



# 2017

GLOBAL PROCUREMENT  
Catalogue

Communications



Security & Surveillance



Cables & Connectors



Power & Lighting



Audio Components



Automotive



Tools & Test Equipment



AV / TV / Sat  
Installation



Service & Repair



Mobile Phone  
Accessories



Data & Computer



Electronic  
Components



t: 02 9797 9866  
f: 02 9716 6015  
e: [sales@wes.net.au](mailto:sales@wes.net.au)  
w: [www.wes.net.au](http://www.wes.net.au)





# Welcome



Dear Customers,

Welcome to our 2017 Global Procurement Catalogue.

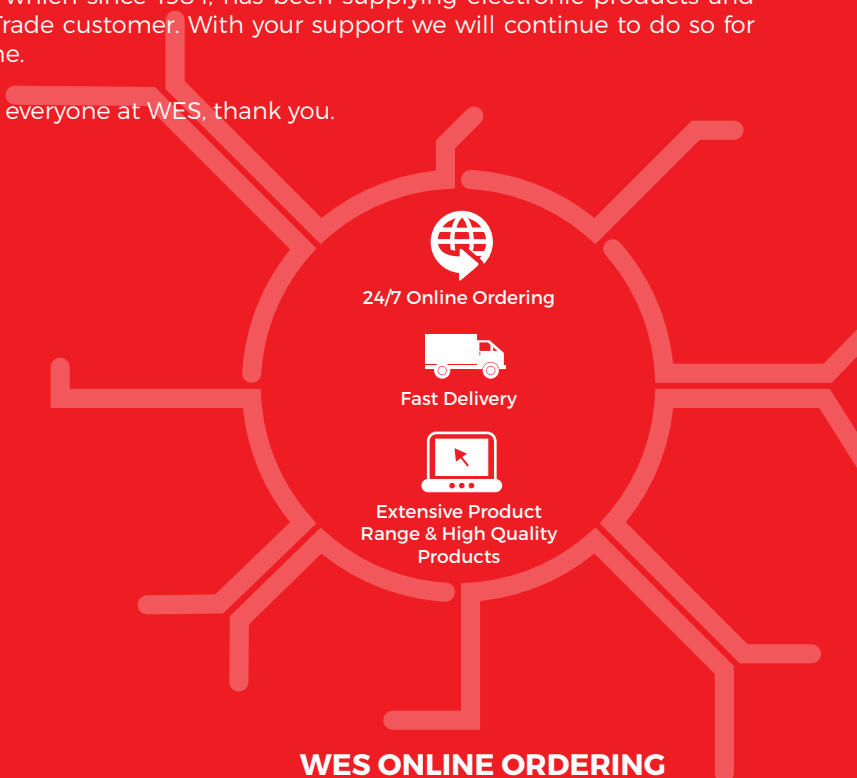
This catalogue is larger than previous versions as we have added hundreds of new items to endeavour to offer you the most extensive product range possible. Please take some time to browse through the sections and familiarise yourself with what is available. We hope you will be impressed with our considerable product range.

You will notice that there are no prices published in this catalogue. The reason for this is that we have many thousands of products which are purchased from hundreds of suppliers both locally and overseas. Unfortunately, prices can change due to currency variations, material and labour cost increases and other unforeseen circumstances out of our control. Therefore, it is impossible to publish prices which will be correct on a long term basis. WES is a trade supplier, not retail, so to keep our prices as competitive as possible we do not have a buffer to absorb price rises from our suppliers. Bearing the above in mind and considering the advances in technology, the most efficient way to keep you updated is via our website. You can log on at any time to obtain current pricing and immediate stock availability and then place your orders. If you do not have login access to our website, please give us a call or send us an email and we will organise access for you.

The management and staff wish to thank you for your custom. WES is a family owned, Australian company, which since 1984, has been supplying electronic products and accessories to the Trade customer. With your support we will continue to do so for many years to come.

Once again, from everyone at WES, thank you.

WES staff



**WES ONLINE ORDERING**  
**www.wes.net.au**



**wes.net.au**



**sales@wes.net.au**



**02 9797 9866**



**02 9716 6015**

**Cellink**  
Mobile Media Products

**HAKKO**

**ceramica**

**DAI-ICHI**

**protec**

**NEUTRIK**

**Amphenol**

**omb**

**optoLINK**

**bullant**

**CLEAN POWER**

**CYP**  
CYPRESS TECHNOLOGY CO., LTD

**Kingray**

**Peerless**

**accento**  
dynamica

**SCANSPEAK**

**Aerpro**  
Prest Electronics

**JAMICON**

**prolink**  
Audio, Visual & Data Integration Products

**FOUNTEK**

**COBY**

**AV-LINK**

**ACOUSTICS**

**IEG-LOCK**

**studioacoustics**  
SPEECH RECOGNITION

**vifa**

*Plus many more...*

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ABN: 64-002-826-995





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- Prepared Interconnect

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- Multi-Room Solutions
- AV Distribution
- Conversion



02



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Or visit us on the web



## General Terms & Conditions

### WES AUSTRALASIA

WES Australasia is an Independent Australian Company dedicated to the Electronics Industry. Our aim is to give you the best possible service at competitive prices. All new website with online ordering and eBook catalogue: <https://www.wes.net.au>

### THE PRODUCTS

Goods supplied are sourced from numerous sources locally and overseas. It is our policy to purchase from reputable suppliers in order to assure that the products are of the highest quality.

### PRICES ARE NOT PUBLISHED

Prices can change due to currency variations, material and labour cost increases and other unforeseen circumstances out of our control. Therefore it is impossible to publish prices which will be correct on a long term basis. WES is a trade supplier, not retail, so to keep our prices as competitive as possible we do not have a buffer to absorb price rises from our suppliers. Bearing the above in mind and considering the advances in technology, the most efficient way to keep you updated is via our website. You can log on at any time to obtain current pricing and immediate stock availability and then place your orders. If you do not have login access to our website, please give us a call or send us an email and we will organise access for you.

### OWNERSHIP OF GOODS

Goods and Services supplied by WES remain the property of WES, in accordance with the retention of title clause, until goods supplied are paid for by the customer.

### LIABILITY

The use of the products purchased is beyond our control or supervision. We therefore cannot accept any liability for losses or consequential damage to any goods or equipment. Although WES does not manufacture the goods sold, we do ensure that the products are of the highest quality however in a rare event of a product being faulty, we will make a claim to our supplier on your behalf. Each supplier have their own policy on returned goods which range from repair to replacement after inspection.

### DANGEROUS GOODS

Orders with goods which are restricted, such as some batteries, aerosols or isopropanol products must be sent by road.

### BACK ORDERS

Goods not in stock will be automatically back ordered and shipped when available with your next order unless otherwise requested.

### GOODS RETURNED

Please, it is essential you obtain a Return Authorisation number ( RA ) before returning any goods. All goods to be returned must be freight prepaid and accompanied with a copy of the original purchase invoice. The RA number must be clearly written on the parcel. Parcels returned without an RA will not be accepted or will be returned. Faulty goods will be returned to our supplier for their determination. Faulty goods will be replaced or repaired only, not credited. Goods purchased incorrectly or no longer required are not able to be returned. For goods that are returned, they must be sent back in the original packaging and same as new condition they were received in; that is no price tags, shipping labels, tape / text marks, physical damage to box, etc. Please ensure that all items are returned including any parts, accessories and instructions that were included with the original product.

### ERRORS / OMISSIONS

Due to the size of this catalogue and the thousands of products it contains, it is possible that mistakes exist. All care has been taken to eliminate errors, but no responsibility can be accepted. Therefore, we recommend that this catalogue be used as a guide only. Please tell us if you discover any discrepancies.

### DELIVERY

Delivery and handling charges apply to all orders. The prices quoted are for deliveries within Australia using our selected transport companies. Customers are welcomed to send their own couriers to pick up the goods. NO delivery or handling charge applies if goods are picked up either in person or with your nominated transport company.

### MAIL

\$8.75 ex GST for parcels under 250 grams, actual or cube, whichever is greater.

### PO BOX DELIVERIES

Must use Australia Post, charges will be calculated based on our cost if over 250 grams

### EXPRESS POST

Will be calculated based on our cost.

### LOCAL DELIVERY

\$8.75 ex GST - Sydney Metropolitan Road Service, this is an overnight service and the maximum payable regardless of the weight of the order or the number of parcels.

### AUSTRALIA WIDE DELIVERY \*

\$10.75 ex GST- Overnight Service, this covers parcels that weigh up to 3kg ( actual or cubic ) only. Where logistics allow, this is usually an overnight service. Parcels over 3kg will be sent by the most economical way, usually by road. Please allow extra time for delivery. If air service is definitely required please contact us and we will provide costing based on your requirements.

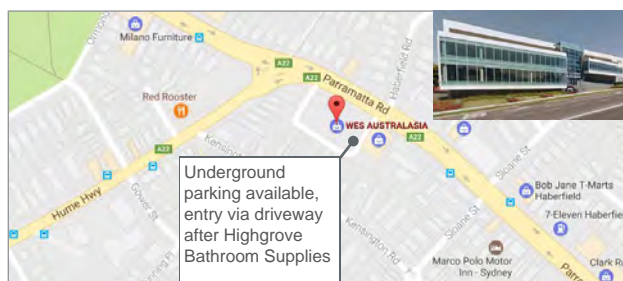
\* Please Note: The above prices are for standard products to standard delivery areas. Bulky Products and delivery to Remote / Special areas will incur additional charges.

### PICK UPS

Goods can be picked up from our premises from 8.30AM to 5.00PM Monday to Friday and from 9AM till 4PM on Saturday. In order to avoid delays it is recommended that you place your order prior to attending to ensure that goods are ready to pick up from our store. If you are picking up on Saturday please place your order on Friday as the WES call centre is closed on Saturday. If you need to contact us on Saturday please call us using the following number: 02-9798-9233.

### 84-90 PARRAMATTA RD SUMMER HILL NSW 2130

We have recently relocated to our new warehouse:



### DROP SHIPMENT

We are able to offer Drop Shipment Services. Please contact us for further information and details if you require this service.

### COMPLETE TERMS & CONDITIONS

Please refer to our web site for full terms and conditions.  
<http://www.wes.com.au/Termsandconditions.aspx>



## Easy Order Methods



### PHONE ORDERS

➤ **02 9797 9866**

Speak to our friendly staff,  
available from 8.30am to 5pm,  
Monday to Friday.



### FAX ORDERS

➤ **02 9716 6015**

FAX your order to us.  
Remember to please include your  
customer number and to always use  
WES codes, plus a brief description  
& required quantity of each.



### EMAIL ORDERS

➤ **sales@wes.net.au**

Type your order directly or  
send as an attachment.  
Remember your customer number  
and to always use WES codes  
plus a brief description & quantity.



### SHOPPING CART

➤ **wes.net.au**

Conventional browse and search,  
then add to your cart to  
complete your online order.



### QUICK ORDER

➤ **wes.net.au**

Directly enter in WES code numbers,  
then a quantity, for a new, fast and  
easy way to order parts from WES.



### DIRECT UPLOAD

➤ **wes.net.au**

Cut-N-Paste your order - Click send.  
Or : Fill in an Excel file and upload.  
Super fast. Super convenient.

## YOUR WES CUSTOMER NUMBER

Please take the time to fill out the customer number application form (on the following page or go online). Once processed it will allow us to quickly access your details when you call or place orders. You will also receive our news letters with new products and Specials, etc. This is a FREE service of obtaining a customer number puts you under NO OBLIGATION whatsoever to make a purchase at anytime.

## PLACING AN ORDER

When placing orders, please always quote your Customer Number and to use WES Code Numbers with a brief description of the item. We have found that following this convention helps speed our response and minimises errors.

## WESNEWS. UPDATES, NEWSLETTERS, ETC.

All customers who have a customer number with us will automatically be allocated newsletters and catalogues as they become available. As a cost saving measure, WESNEWS and Catalogues are sent with your next order when the assigned customer number is used. Please order regularly to receive your WESNEWS updates and if you are missing any, don't hesitate to enquire. Visit: [www.wes.net.au](http://www.wes.net.au), go to the WES NEWS download area for the latest products and specials.

**Thank You, and We Look Forward To Hearing From You Soon!**





# Account Application Form



## Customer Number Application: Cash & Credit Card

Please take the time to fill out the following and return it to us so that we may enter your details into our system. This form is also available for you online at [www.wes.net.au](http://www.wes.net.au). When your company details are entered into our computer you will be assigned a CUSTOMER NUMBER. Please take note of your customer number (as it will appear on your first invoice) and quote it when you order. This helps our staff eliminate mistakes and assists us in speeding up your orders and enquiries. Thank you.

## Customer Details

Contact Name	Date:	
Trading Name		
Address		
Suburb	Post Code	State
Phone No	Fax No	
Mobile No	Email	
Business Owners Full Name		
ABN		
Type Of Business		

## Payment Details

READ ME: Charge your purchases to your credit cards. The transaction is convenient and fast, and there is even an interest free periods on some cards. The bank will send you an itemised statement at the end of each month. This should assist with your accounting book work, etc. We accept Bankcard, Mastercard, Visa and American Express. Please fill in the details below if you want to regularly use credit card ordering. Then you will not have to repeat these details on each occasion. Remember to inform us of new expiry dates.

Card Type	<input type="checkbox"/> AMEX	<input type="checkbox"/> MASTERCARD	<input type="checkbox"/> VISA	<input type="checkbox"/> BANK CARD
Card Number				
Name on Card				
Card ID No	Card Expiry			

Once details above have been filled in please send this form back to us for processing.

Email: [sales@wes.net.au](mailto:sales@wes.net.au)

Fax: 02 9716 6015

Address: LOCKED BAG 4030, Ashfield, NSW, 2131

Create your account via an online secure form at: <https://www.wes.net.au>





Phone: 02 9797 9866  
FAX: 02 9716 6015  
Email: sales@wes.net.au  
84-90 Parramatta Rd, Summer Hill, NSW, 2130

# Order Form



## Invoice: Customer Details

Customer Number		Date	
Contact Name		Order No	
Trading Name			
Address			
Phone No		Fax No	
Mobile No		Email	
Shipping Method <input type="checkbox"/> MAIL <input type="checkbox"/> COURIER <input type="checkbox"/> COUNTER / SHOP PICK UP <input type="checkbox"/> COURIER PICK UP			

## Order Items

WES ORDER CODE ▼	QUANTITY ▼	DESCRIPTION (Assists us to verify product code) ▼

## Payment Details

Card Type <input type="checkbox"/> AMEX <input type="checkbox"/> MASTERCARD <input type="checkbox"/> VISA <input type="checkbox"/> BANK CARD			
Card Number			
Name on Card			
Card Expiry		Card ID No	



## CEDIA

### Member



**CUSTOM  
ELECTRONIC  
DESIGN &  
INSTALLATION  
ASSOCIATION**

Custom Electronic Design & Installation Association - CEDIA is an international trade association of companies that specialise in designing and installing electronic systems for residential environments.

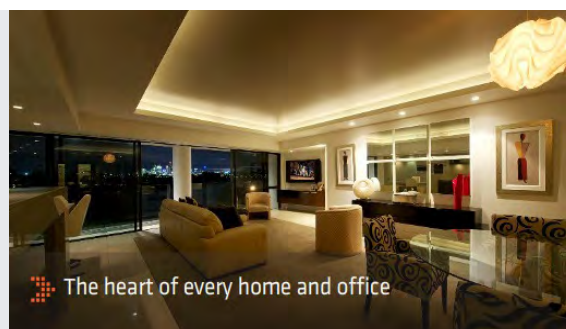
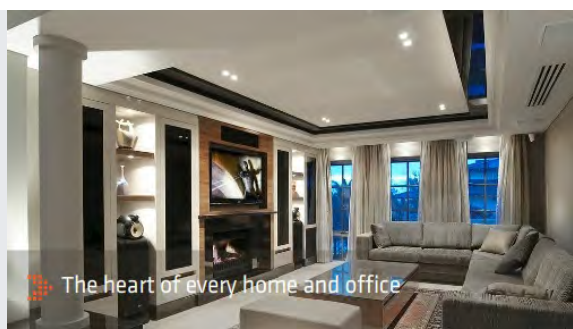
CEDIA certified professionals are proven experts who are committed to a higher standard of education. Custom design and installation is the process by which your home electronics are integrated into one coherent system. This is the cutting edge of a rapidly growing field that is becoming more widely known outside the consumer electronics industry.

Amongst consumers there is a growing awareness of CEDIA, a not-for-profit trade association, which was founded in the USA in 1989 and now has administration offices in the UK & Australia.

CEDIA allows you to obtain referrals to find qualified, reputable and insured design and installation contractors to help you with your project. Hiring a CEDIA Certified professional gives you peace of mind and the finest in custom electronic design and installation.



## About CEDIA



- To develop and encourage high standards of service and conduct of designers and installers of electronic systems for the home.
- To acquire, preserve and distribute data and other valuable business information relative to the business and industry of home electronic systems.
- To promote high standards of integrity, business ethics and professionalism by and among all those engaged in the designing and installation of electronic systems for the home.
- To promote the activities of the industry to architects, interior designers, home builders and ultimately consumers, in order to strengthen and develop the standing and economic health of the industry.
- To promote and expand the educational opportunities available to all levels of the management and employees in the industry, in order to further the professional, business, management and technical design and installation skills of all involved in the industry.
- To promote and improve the communications and exchange of information and assistance between and among all segments of the industry.
- To do all other things necessary or expedient for the administration of the affairs and the attainment of the purposes of the corporation.

Consumers benefit because they can obtain referrals through CEDIA to find qualified, reputable and insured design and installation contractors to counsel them and work in their homes. They also benefit by having CEDIA promote professionalism and honourable business practices in the field of custom installation.

Custom installers benefit in several ways. Consumers, builders, architects, interior designers, etc, recognise them as a professional resource. Through CEDIA education conferences and training programs, CEDIA members can obtain continuing education in both technical and business skills to enhance the growth of their employees and their business. They have access to data, publications and other materials that can enhance their business practices and marketing services. They also have an open line of communication to manufacturers, industry officials and colleagues to address challenges and exchange information. Through CEDIA certification, installers now have a benchmark in their industry against which to measure themselves.



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## □ Casio LED Projectors

### LAMP-FREE PROJECTOR TECHNOLOGY

- LED / LASER HYBRID TECHNOLOGY
- NO LAMP REPLACEMENT - EVER!
- NO AIR FILTER REPLACEMENT
- REDUCED ENERGY REQUIREMENT
- NUMBER ONE SELLER FOR 6+ YEARS
- LOW TOTAL-COST-OWNERSHIP
- MADE IN JAPAN QUALITY
- GENEROUS WARRANTY

# CASIO®



**LampFree**  
GO LAMP FREE AND SAVE

More Info Visit: [www.wes.com.au/info/casio](http://www.wes.com.au/info/casio)

### CASIO ULTRA SHORT THROW PROJECTOR - LAMPFREE

Casio's Ultra Short Throw LampFree® projectors incorporate Laser & LED Technology to produce images of impressive detail and colour. The new technology projectors can produce pictures with a brightness of up to 3500 lumens\* and contrast ratio of 20000:1, which enables them to project vivid and clear images even in a fully lighted room. They have a long lasting lifespan of up to 20,000 hours with reduced electricity consumption and no lamps or air filters to replace. With their Ultra-Short Throw lens, you can project brilliant, crisp, shadow-free images of up to 110 inch (2.8M) diagonal with a full assortment of connectivity and features. The built-in short throw lens and advanced mirror system provides an extremely close throw ratio (0.28:1) and projects an 80 inch (2M) image from just 50cm away. Other new features includes a 7 steps automatically brightness control, horizontal keystone correction and USB display. The projectors include a RJ45 networking port to connect to your LAN. An optional WiFi adaptor (YW-40) is required to connect the XJ-UT351 to a WiFi network. XJ-UT310 includes a bonus WiFi adaptor.

- Short focus lens is capable of projecting a 60-inch screen image from a distance of just 13cm.
- The long life light source provides approximately 20000 hours of illumination.
- The dustproof design reduces degradation of luminance associated with accumulated dust.
- Adoption of the Laser & LED light source has decreased power consumption drastically compared to high pressure mercury lamps.

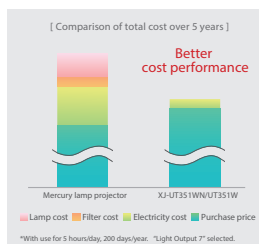
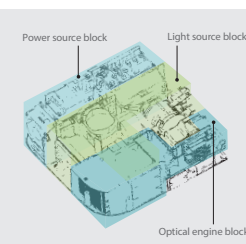
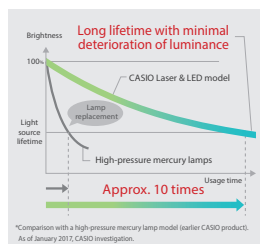
#### INCLUDES WALL MOUNT BRACKET

Lumens	Resolution	USB	LAN	WLAN	Code
3500Lm	WXGA(1280x800)	Yes	Yes	Requires YW-40	XJ-UT351WNBKT
	1.04 Billion Colours			WiFi adaptor	

#### INCLUDES WALL MOUNT BRACKET + BONUS WiFi DONGLE !

Lumens	Resolution	USB	LAN	WLAN	Code
3100lm	WXGA (1280x800)	Yes	Yes	bonus YW-40	XJ-UT310WNBKT
	16 Million Colours			WiFi Included	

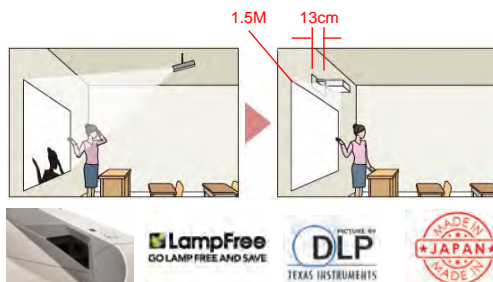
Warranty: 5 years parts and labour or 10,000hrs, whichever occurs first



3500 Lm



# CASIO



### CASIO SLIM SERIES PROJECTORS - LAMPFREE

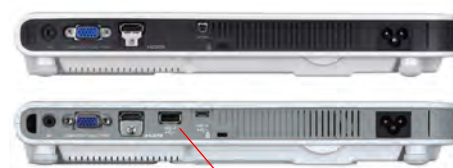
#### A4 SIZED AND ONLY 40MM THICK !

The Slim series projectors are the slimmest projectors in its class. With only 40mm in thickness and 2.3kg weight. These projectors are not only small, but they are packed with competitive features compares to the larger projectors in the market. With pictures up to 2500 to 3000 lumens at WXGA resolution. It is ideal for use in a boardroom or in a classroom. Its light weight and small size enables you to put it into a carry case, and take it to different venues for doing your presentation. These projector models accept RGB and HDMI inputs. The more advance USB models (XJ-A247 and XJ-A257) also include USB display and wireless remote control capabilities. All the models use the advance energy saving Casio LampFree technology for light source which can last up to 20,000 hours.

- Extra slim and Portable, great for mobility and portability
- Wide-angle 2x zoom capability
- Wireless operation for smooth meetings and presentations with C-Assist
- Internal memory for PC-free presentations

Lumens	Resolution	USB	WLAN	Code
2500lm	WXGA (1280 x 800)	No	No	XJ-A242
2500lm	WXGA (1280 x 800)	Yes	WiFi	XJ-A247
3000lm	WXGA (1280 x 800)	No	No	XJ-A252
3000lm	WXGA (1280 x 800)	Yes	WiFi	XJ-A257

Warranty: 5 years parts and labour or 10,000hrs, whichever occurs first



USB & WiFi Optional

# CASIO

**LampFree**  
GO LAMP FREE AND SAVE

PICTURE BY  
**DLP**  
TEXAS INSTRUMENTS



More Info Visit: [www.wes.com.au/info/casio](http://www.wes.com.au/info/casio)





## CASIO ADVANCED SERIES - LAMPFREE

### CASIO ADVANCED FEATURES

The Casio Advanced Series is the next generation in LampFree. Advanced Series Projectors provide high brightness, up to 3500 ANSI lumens in XGA and WXGA resolutions. Two (2) HDMI inputs provide connectivity with all current display technology without the need for switching cables. A high power USB port (DC 5V 2A) provides direct power for USB stick devices and eliminates the need for a separate power supply. All Casio LampFree Projectors are built to last and backed by an "Industry best" 3 year parts and labour warranty plus 5 years or 10,000 hours on the light source out of the box. Network ready models incorporate LAN Connectivity (RJ-45) plus a USB port for PC-Less presentations (USB Thumb drive) and are WiFi ready.

- Two (2) HDMI inputs
- VGA & Composite Video
- Power USB port (DC 5V 2A)
- Instant Light Control – 7 level
- High Power 16 watt speaker
- 1.5 X Manual Zoom/Focus Lens
- DLP® Technology
- Laser & LED Light Source
- Long Life, 20,000 hour
- Low Power Consumption

Lumens	Resolution	USB	WLAN	Code
3000lm	WXGA 1280x800	Yes	Requires YW-40	XJF-200WN
3500lm	WXGA 1280x800	Yes	Requires YW-40	XJF-210WN

### WIFI DONGLE (OPTIONAL)

USB Dongle required for wireless features.

Code  
YW40



# CASIO



## CASIO CORE SERIES WIDE-SCREEN

### WIDE-SCREEN WXGA 1280X800 - 5 YEAR LAMP WARRANTY

The Casio CORE Series incorporates essential features with Casio's Industry Leading LampFree® Technology to create a budget friendly LampFree® projector. The CORE Series is available in XGA and WXGA resolutions and up to 3500 ANSI lumen brightness utilizing a 1.5x manual zoom lens. Compact and lightweight, the CORE Series delivers reliable long term operation, exceptional image quality & connectivity and is ideal for use in classrooms, in the boardroom or on the road. Reliable and built to last, the CORE Series is covered by a 5-year parts and labour warranty plus an industry leading 5 year/10,000 hour light source warranty.

- HDMI input
- Dust Resistant design
- Instant Light Control – 7 level
- 1.5 X Manual Zoom/Focus Lens
- DLP® Technology
- Laser & LED Light Source
- Long Life, 20,000 hour estimated operating life
- No Lamp replacement required
- No Down Time
- Low Power Consumption
- Mercury Free

Lumens	Resolution	USB	WLAN	Code
3000lm	WXGA 1280x800	No	No	XJV-100W
3500lm	WXGA 1280x800	No	No	XJV-110W

XJV-110W  
3500 Lm

# CASIO



## CASIO CORE SERIES PROJECTOR XGA

### 4:3 SCREEN XGA 1280X768 - 5 YEAR LAMP WARRANTY

The core series projector targets customers who are looking for an economical to run projector. With pictures up to 3000 lumens at XGA resolution, it is a sturdy and capable projector for presenting visuals in a classroom or meeting room. This projector also implemented CASIO's hybrid light source lamp-free technology. This substantially reduced the total cost of ownership from having a longer life light source that can last up to 20000 hours which reduce the amount of time and money spend on maintaining the lamp.

- Stylish compact 270x270x90mm
- Incredibly affordable price TCO
- Easy replacement for upgrade
- Dust resistance. Includes remote.

Lumens	Resolution	USB	WLAN	Code
2700lm	XGA (1024x768)	No	No	XJ-V1
3000lm	XGA (1024x768)	No	No	XJ-V2

Warranty: 5 years parts and labour or 10,000hrs, whichever occurs first

# CASIO



More Info Visit: [www.wes.com.au/info/casio](http://www.wes.com.au/info/casio)



## Remote Controls

### Universal

#### 4 IN 1 LEARNING REMOTE CONTROL

##### COMPATIBLE WITH FOXTEL® IQ/IQ2

Universal remote control for operating TV, Satellite, Cable, Foxtel® iQ, iQ2, Freeview set top boxes, DVD, and more. It can be programmed to control up to 4 devices.

Combi Control allows user to control your TV and Set-Top-Box as if they were one, so they can control the TV and your set-top-box without having to switch the remote's control mode

The Ultra Wide Angle IR emitter (up to 160°) enhances IR performance

Compatible with most IR remote control device worldwide

It can also learn functions from your original remote

Dedicated Keys for Digital Viewing

Extra TV guide keys: Guide, Fav, Info, Menu, Exit, 16:9

- Batteries: 4 x AAA (not included)
- Battery life: Approximately 12 months
- Number of keys: 41
- IR range: ~20 metres
- IR frequency: 0-455kHz

Code  
URC7140



SUITS  
ALL  
FOXTEL®  
UNITS

##### CombiControl

Control your TV and set-top box as if they were one. The automatically installed CombiControl button allows you to control the TV volume and your set-top-box channels without having to switch the One For All® remote's control mode, let alone switch between two different remotes.



#### ONE FOR ALL UNIVERSAL REMOTE CONTROL

##### FOXTEL® IQ/IQ2 READY

Control your TV & digital satellite PVR box with one remote. Foxtel® IQ/IQ2 compatible. Supports PVR functions like on demand, pause & replay etc. Quick installation & easy to use.

- Universal remote to control your TV and PVR Box (Satellite/Cable/Freeview)
- Ready to operate your Foxtel iQ
- Works with most brands
- 16:9 key for quick wide screen selection
- Simple instructions ensure a quick and easy set up
- 2x AA batteries included

Code  
URC1669

SUITS  
ALL  
FOXTEL®  
UNITS



#### PRE-PROGRAMMED & LEARNING REMOTE LCD

##### LCD SCREEN FOR EASY SETUP

Features the largest self-contained code library for the Australian market. Fast and easy setup by using the LCD screens instructions, and to select from the brand name and code ID library. Auto search feature if your device is not listed. Suits TV, DVD, DVR, DVB, SAT, Cable TV, VCR, AV Receivers, CD Players, and more. Can also "Learn" commands from the original remote. Code shift allows you to customise key layout as desired. Other features include FAV channel, Sleep times, ALL-OFF button to switch all units off, Macro function, Volume control punch-through, Backlit keypad, device indicator, permanent storage memory and built-in clock. Requires 2x AAA batteries.

Code  
BW-LCD



#### PRE-PROGRAMMED UNIVERSAL REMOTE

##### CONTROLS UP TO 6 DEVICES WITH ONE REMOTE

The Skandia BW600 remote replaces up to 6 remote controls. It has a new code library for the majority of TVs, DVD players, VCRs and digital set top boxes sold in Australia. It also has a dedicated Foxtel button to turn the remote into a Foxtel HD, IQ1 and IQ2 remote. Requires 2x AAA batteries (Not included).

- Setup by device search for automatic scan
- Setup by device code for manual 4 digit code
- Includes updated library for Australian products
- Dedicated Foxtel® button for HD, iQ1, iQ2
- Many items old & new including Apple TV & more

Code  
BW600



#### UNIVERSAL REMOTE CABLE PLUS

##### FOXTEL® iQ/iQ2 COMPATIBLE

4-in-1: Replaces 4 remotes  
Supports TV, DVD, VCR, DVR, Cable/Sat., Audio  
Pre-programmed with thousands of built-in codes  
Full cable functionality Foxtel® Digital iQ & iQ2  
Additional buttons for DVD play back, etc.  
Ergonomic design for comfort and ease of use.  
Sleek glossy black finish with silver trim and rubber back  
200x62x28mm. Requires 2x AAA

Code  
BW8360

SUITS  
ALL  
FOXTEL®  
UNITS







## LEARNING REMOTE CONTROL

### ULTRA SLIM UNIVERSAL REMOTE CONTROL

Program the basic commands, which are regularly used and then store your original remote away. Will learn the local commands like Power, Channel UP-DOWN, Volume UP-DOWN, AV or MUTE. Simple to use. Also ideal for Hotels and Motels. Use the master remote to program as many remotes to give clients as required. Replaces any IR-remote control, programmable with the original remote control. Keeps settings during battery change. Requires 2x AAA Batteries (Not Included).

Code  
SK001



## LEARNING REMOTE CONTROL

### 8X 32 KEY PLUS MACRO

Controls up to 8 devices Uses a mechanical switch to change between devices 32 Clearly labelled buttons Total of 128 functions Macro is a function of putting several keys in the press of one button. eg. Power on DVD and AMP Macro can be assigned to any key from any other keys Requires the original remote to learn from and copy Requires 4x AAA Batteries

Code  
URC108



## COMPACT LEARNING REMOTE CONTROL

### PROGRAMMABLE - 2 DEVICES

This 2 in 1 remote control allows you to control up to 2 devices. Programmable with the old remote control. Designed to have a clear and simple to use interface, and with the extra large buttons, it is easy to use by young children or the elderly. Requires 2x AAA Batteries (Not Included).

Description	Code
8 Button	SK002
18 Button	SK003



## UNIVERSAL AC REMOTE CONTROL

### SUITS 1000 MODELS OF AIR CONDITIONERS

Big LCD install with built in real time clock and timer on/off function. Digital Auto search or manually input code for convenient set-up. ON/OFF timer & fast cooling and fast heating function. 8M operating distance. 2 x AAA (not included). 152 x 50 x 24 mm.

Code  
AIRCO3



## MINI UNIVERSAL REMOTE

### TV ZAPPER BW001

Pre-Programmed replacement Remote for most TV sets Enter in a code from the manual or "Auto-Search".

### NINE BUTTON LAYOUT

Volume Channel Power Mute All buttons are very clear Compact 140x50x18mm Batteries required 2x AAA

Code  
BW001



## UNIVERSAL AC REMOTE CONTROL - DELUXE

### SUITS 2000 MODELS OF AIR CONDITIONERS

This universal remote control for air conditioners is packed with features. Apart from the common functionalities like controlling the temperature functions for the air conditioner remotely, the remote also allows users to set timer for On/Off. The illuminated LCD display is easy to see even when the light is off and you can see the real time from the built-in clock. The setup is very simple and is compatible with over 2000 models of air conditioners. Requires 2x AAA batteries (not included)

Code  
AIRCO4



## TEAR-DROP UNIVERSAL REMOTE

### REMOTE MASTER 820

RM820 (BW7080) Replaces up to two remotes Pay-TV Set-Top-Box as well as the TV Remote Compact, simple minimal eight key arrangement Volume control punch through functions Setup by code-entering from instructions or convenient automatic search function Dimensions: 130x55x30mm Requires 2x AAA Batteries

Code  
RM820



## MEDIA CENTRE REMOTE CONTROL

### REMOTE FOR WINDOWS MEDIA®

Familiar remote control compatible with Windows® Media Centre Software. Popular control buttons and quick-keys included. Eight-way thumb button for pushing the mouse. Includes USB IR Receiver. Requires 2x AAA batteries.

Code  
USB207





## □ HTPC & Smart TV

### KEYBOARD, MOUSE, REMOTE & MHF COMBO

Wireless Mini QWERTY Keyboard & Air Mouse on one side and 8 in 1 learning IR remote on the other. Plus audio chat. With USB receiver. Built-in advanced lithium-ion battery, long life energy-efficient.

You can use it for emails, chat, or to enjoy your favourite games. It is compatible with HTPC, TV BOX running Android systems. It also supports the Sony® Playstation3™. Use it with your HTPC on your Sofa or browse the internet in the most comfortable fashion. 156x50x10mm

- Functions
- Keyboard
- Air Mouse
- IR Remote Control
- Wireless Speaker & Microphone

Code  
KBD93



### BLUETOOTH MULTI-MEDIA REMOTE CONTROL

Bluetooth® Wireless Mini QWERTY Keyboard, Touch Pad & Presenter Combo. It is compatible with desktop computers running Windows® or Linux, but also with handhelds running Android, Windows®, Sony® Playstation3™, etc. Built-in rechargeable lithium-ion battery. Innovative design Navigation keys, Laser Pointer, and has a real notebook Touchpad.

- Wireless (bluetooth®) connection
- Compact 150x60x12.5mm
- Working range up to 10M
- Built-in laser pointer
- Supports PC multimedia
- Supports TV & projector
- Supports conference & Presentation



Colour	Code
Black	KBD92BK
White	KBD92WH



### Mobile System Requirements

You will require a bluetooth® dongle or inbuilt with Google Android System, Microsoft Windows Mobile®

### WIRELESS AIR MOUSE & KEYBOARD

This multifunctional wireless air mouse is a remote control, wireless mouse and keyboard All-In-1. This product features an air mouse with gyroscope, which allows you to control the cursor on a PC, HTPC, Android TV box or Smart TV by simply waving the air mouse through the air. The air mouse is connected to your devices with a 2.4GHz USB wireless receiver that is included with the product. On one side of the air mouse, you can switch between using the controller as a remote control or a mouse. At the other side of the air mouse there is a QWERTY keypad that allows you enter text to your device with ease. It has anti-shake design to make the mouse cursor stable and smooth. Elegant and ergonomic design, light weight and easy to hold and use.

- Elegant design, with keyboard on one side, and mouse/remote-control on the other side.
- Wireless connection to your PC, Android TV box, etc.
- Power by a built-in rechargeable Li-Ion battery.
- USB charging cable included.
- Anti-shake design make the mouse cursor stable and smooth.
- Ergonomic design for better comfort and accuracy.
- 3-axes Gyroscope + 3-axes G-sensor.
- Supports Windows, Mac OS, Android, Linux operating systems

Code  
KBD94



### WIRELESS AIR MOUSE & KEYBOARD

This wireless air mouse is a wireless mouse and keyboard combo. This product features an air mouse with MEMS gyroscope, which allows you to control the cursor on a PC, HTPC, Android TV box by simply holding the mouse control button and waving the air mouse through the air. The air mouse is connected to your devices with a 2.4GHz USB wireless receiver that is included with the product. Apart from using the air mouse to move the cursor, there is a QWERTY keypad that allows you enter text to your device with ease. It has an anti-shake design to make the mouse cursor stable and smooth. Elegant and ergonomic design, light weight and easy to hold and use.

Requires 3x AAA batteries to operate.  
Supports Windows, Android and Linux operation systems.

Code  
KBD95







## □ Home Theatre Components

## □ Digital Media Centres

### LASER eTOUCH 7" TABLET MID740

#### WIFI - ANDROID 4.2 JELLY BEAN

- WiFi - Connect to a wireless network to access the internet.
- Great for everyday use such as email, apps, movies and more.
- Includes the Navig[8]r eStreet pre-loaded street level map directory AU/NZ.
- Network access not necessary for Navig[8]r eStreet software to operate.
- 4GB Onboard storage for content such as apps, files, photos or music.
- Micro SD card supported for expanding storage on your device by up to 32GB.
- 7" Touch screen (5 point touch), 16:9 widescreen (800x480 Pixels) LCD TFT.
- Connect external devices and charging with Mini USB connection.
- Battery 2200mAh up to 5Hrs usage.

Code

TAB740



### BLUEEYE HD MEDIA PLAYER V9T3

#### 1080p HD PLAYBACK AND RECORD

Full HD 1080p Media player with dual digital TV tuners. This modern media device offers an easy way to watch and record TV programs. You can also use it to playback your stored media files and output High Definition 1080p videos to your monitor or HDTV through HDMI, Component or Composite. Dual tuners give you the opportunity to watch and record different channels simultaneously. The media player supports 3D movies, 4K and a wide range of media file formats which can be stored on either an optional internal 3.5" SATA hard drive (up to 4TB) or external USB hard disk or flash devices. Inbuilt WiFi and ethernet gives advanced network functions that allow you to browse the content on your PC, NAS or Internet and play it on your big screen TV.

- Dual DVB-T tuners, EPG, timeshift
- Wifi/Gigabit LAN, NAS, Samba Server
- Premium Apps (Youtube, etc.)
- USB3.0 to external drives
- SD/SDHC card slot
- Front Blue display
- Remote control

Code

V9T3



## BlueEye



Note: Optional Hard Disk Not Included (Supports up to 4Tb)  
This media player does not support videos with Divx codec.

The V9T3 features a new blue LED display screen with functional readout for immediate indication of status, channels, time lapse, etc. Includes remote control.





## NT-D6 BLUE-EYE MEDIA SMART TV ANDROID BOX

Smart-TV Android 4.4 WiFi 8Gb. Handy clip-stand allows it to perch on top of the TV. Designed in compact form factor (80x50x20mm) with built-in Quad Core Processor. Empower your TV with the latest HTML 5 web browser, Adobe Flash, Chrome, Java. Built-in with 802.11b/g/n Wi-Fi, high speed USB ports and Micro SDHC card reader to expand up to 32GB of storage. Support popular Apps through Google Play Store.

- Designed in smart and compact form factor and embedded with the power Quad Core Cortex A5 (1.5Ghz) chipset to allow effective performance and provide power efficient.
- Equipped with a high-performance Mali-450 graphic processor to provide crystal clear image quality, fast and fluid video, and give the ability to decode and support the latest codec H.265.
- Built-in with 802.11b/g/n Wi-Fi, high speed USB ports and Micro SDHC card reader to expand up to 32GB of storage.
- Backed by Google Play Store, allow the device to be installed with popular apps via online or local storage onto the TV.



Code  
NT-D6

# BlueEye



## ANDROID 5.1 SMART-TV MEDIA PLAYER

### WITH AIR-MOUSE KEYBOARD

Transform your TV or monitor into a smart Android 5.1 device with the LASER 4K Smart Media Player. A quad core S812 with DDR3 1Gb RAM, 8Gb of storage and support for 4K Ultra-HD (60fps) ensures clean video playback. Android OS allows for unlimited expansion and USB, HDMI, network LAN, DLNA, Wi-Fi and Bluetooth gives you limitless connectivity options. Turn any TV into a smart device with this multi-purpose entertainment solution that brings APPs, movies, music and more together in one. Pre-loaded with Netflix, Kodi, FreeTV apps, Web Browser and Google Play Store, etc. Wireless Air-Mouse remote control with popular keys on one side and a keyboard on the flip side. Compact 110x90x25mm

- Fast processor and memory designed for video: With a Quad Core CPU, 1GB RAM and 8GB Flash storage, your movies will play smoothly and load faster.
- 4k Ultra HD resolution @ 60FPS: Stunning clarity vivid colour and sharp detail will make the best of new generation UHD TVs. Full HD 1080p also looks great.
- Digital Surround Sound: All sound formats from 2 channel stereo to 5.1 Dolby Digital. Also Flac lossless HD audio is supported.
- 3D ready: Watch eye popping 3D content from files (like BDMV / 3D BD-ISO or streamed 3D movies)
- DLNA: Playback content from your network of DLNA devices
- Miracast ready: Share your tablet or smartphone screen onto your TV for everyone to see (it's like HDMI only wireless)
- Ethernet connection (LAN): With 10/100 ethernet, connect a standard cat 5 cable to a RJ45 network port (like on your router/modem) to get a fast and secure connection.
- Android OS: Android opens a world of limitless possibilities through the Google Play store. Games, video players, APPs utilities and lots more.
- USB Ports & Micro SD Input: Connect USB flash drives, hard drives or input devices like mice, keyboards or webcams or read content from a Micro SD card.
- HDMI or Analogue AV output: Connect to older TV's via composite video and L/R stereo (cable included) or connect to new TVs with HDMI for the ultimate in sound and vision
- Wireless Connectivity: Wi-Fi and Bluetooth on board means that you can connect to wireless networks or connect wireless products to the media player
- Play it all - Multi-source, Multi-Format ready: Whether it is 4K movies from Netflix, Youtube videos online, movies/music from your home network or USB storage drive, KODI ensures playback of media player files.



Code  
MMCP20



\*Technology will update. Specifications may change. Check online for latest.





## TURNTABLE TO DIGITAL RECORDER

### MP3 PLAYER PLUS TURNTABLE DIRECT RECORDING TO USB/SD CARD

This compact turntable can record directly from your vinyl records to a SD card or USB flash drive. You can then listen to your favourite records in digital format on any other digital device from the USB stick or SD card. With the built-in speaker, this turntable also allows you to play from your recorded file, other MP3s, a 3.5mm Auxiliary input or vinyl. LCD display for easy operation. Records MP3 without the need of a computer.

- No PC/software required, save your file straight into a USB drive or SD card
- USB (Max 16GB) / SD (Max 4GB) support for audio recording
- 3-Speed turntable fit for 33, 45, 78 RPM
- Belt-driven and manual play tone arm with auto-off
- Ceramic stereo cartridge with jewel stylus
- Included 45 RPM adaptor
- Stereo speakers built-in
- Removable dust cover
- Size: 310x265x120mm
- Weight: 2.1 kg
- Mains plug 240Vac

**RIP  
RECORDS  
NO PC  
REQUIRED**

Code  
USB223



LP RECORD IS NOT INCLUDED

## PORTABLE TURNTABLE WITH USB TO PC

### RETRO STYLED BRIEFCASE PORTABLE

This retro 60 's suitcase record player blends classic vintage style and modern USB digital conversion technology to allow you to record and preserve your vinyl records. Hand-made suitcase constructed from wood and bound in PU leather and inner lid lined with red matte fabric, this unit reflects elegant workmanship with old-school style.

- Built-in speakers allow you to directly play records
- A Built in 3.5mm headphone jack for earphones
- Connect an 3.5mm music source, iPod®, smart phone, etc.
- Connect RCA to a HiFi system for line level record playing
- Connect USB output (lead inc.) to a Windows®/Mac® PC
- Included Audacity software for digital recording to PC
- Mains powered. 355x295x130mm. 33/45/78rpm

**BUILT-IN  
SPEAKERS**

Code  
USB224



LP RECORD IS NOT INCLUDED





# AV TV SAT Install

## □ DAB+ Digital Audio Broadcast

### DIGITAL FM / DAB+ PORTABLE RADIO

#### COMPACT BATTERY OR MAINS OPERATED PORTABLE RADIO

This digital radio lets you to tune into all of the new digital DAB+ channels (CD quality) as well as your old favourite FM channels. Compact portable (runs on batteries) or mains powered (240v power pack included). It contains a RDS display which shows scrolling broadcast information such as station name, song title, weather, etc. (when available).

- Portable DAB+ Digital Radio and FM radio
- LCD Display with RDS multi-line text
- 10 presets for favourite DAB/FM stations
- Powered by AC mains adaptor (included)
- Optional 4x AA batteries (not included)
- 3.5mm Stereo headphone socket
- 50cm Telescopic antenna
- Size: 135 x 102 x 45mm

Code  
DAB108



## □ Satellite

### HHS242 SATELLITE TV RECEIVER MPEG4

#### DVB-S2 HD MPEG4

- First time installation simplified.
- Sensitive SHARP tuner that delivers stable pictures from weaker Satellite signals.
- Locks low Symbol Rate signals so you can view more programs.
- Compatible with DVB-S2 and DVB-S broadcasts.
- Receives SCPC and MCPC broadcasts on C and Ku bands.
- Decodes MPEG4 (H.264) and MPEG2 signals.
- DiSEqC 1.0, 1.1 and 1.2 switching standards supported.
- Excellent High Definition and Standard Definition 'Wide Horizon' for excellent picture quality.
- Saves up to 4,000 TV and Radio channels.
- Signal Quality and Level bars, colour coded.
- Record and TimeShift live TV on your USB storage device.
- Accepts USB Bus powered Hard Disk Drives. NTFS and FAT32
- Flexible Media Player plays MP3, JPEG, AVI, MKV, DIVX, FLV, H.264MP files.
- Video outputs: HDMI, Composite and Component.
- Audio outputs: Digital Coaxial and Analogue Stereo.
- Flexible and functional OSD Menu options for ease of use.
- Parental Lock program control option.
- Energy efficient, uses less than 0.8W on Standby.
- Robust power supply built for long life and reliability.
- Compact 19cm wide case, fits in minimal space.

Code  
HHS242







## □ Digital Set Top Boxes

### HHT651 DIGITAL TERRESTRIAL RECEIVER MPEG4

#### MPEG-2/4 RECEIVER WITH BUILT-IN USB RECORDER & MEDIA PLAYER

- Excellent HD and SD 'Wide Horizon' picture quality.
- Resolutions: 1920 x 1080i, 1280 x 720p, 720 x 576p or 720 x 576i.
- Centre Cut option: displays 16:9 on 4:3 screens.
- Video Outputs: HDMI and Composite CVBS.
- 7 Day Electronic Program Guide with 8 day cross over.
- Closed Captions: embedded and available on AV outputs.
- Audio Description service (AD) where broadcast.
- Signal intensity and signal quality bars.
- Record and TimeShift live TV with USB storage device.
- Saves program parameters if power fails.
- Power Supply: built for reliability and long life.
- Video outputs: active simultaneously.
- Digital Audio: Coaxial S/PDIF with Dolby Digital where broadcast.
- Parental Lock program control option.
- Flexible Media Player - plays: MP3, OGG, JPG, JPEG, BMP, MPG, MPEG, VOB, AVI, TS, TRP, M2T, M2TS, MP4, MKV, MOV, DIVX, TP, DAT & .FLV.
- Stores up to 400 favourite TV and Radio channels.
- Firmware upgradable via USB 2.0.
- Energy efficient, consumes 0.8W on Standby whilst front panel LED clock continues at low brightness and Antenna Loop Out remains active.
- Compact case dimensions: W 168 x D 90 x H 36mm

#### Code

HHT651



### STB14HD DIGITAL TERRESTRIAL RECEIVER MPEG4

This HD digital set top box can be connected to a conventional TV via one of its many connection options to enjoy crystal clear digital TV. Also conveniently records live TV directly to a flash drive, or external hard drive, and plays back many popular media formats! It also includes an Easy Learning remote that allows you to control the important functions of your TV.

- High Definition Digital TV Tuner supports standards: DVB-T
- Hardware scaling & decoding
- Simultaneous analog & digital output
- Learning Remote Control
- HDMI Output (up to 1080P/60Hz)
- YPbPr/RGB component output (1080p / 1080i / 720p / 570p / 480p / 576i / 480i)
- USB-PVR function: record, timeshift & playback
- EPG & scheduled recording
- USB Record/Playback: (Requires USB Memory Device)
- Display photos, play audio and video file supports FLV, AVI, MPG, DAT, VOB, MOV, MKV, MJPEG, TS, TRP file format)
- MEPS Compliant: Consumes less than 1W in Standby
- Dimensions: 147x220x44mm
- Power Supply: 90~250VAC 50/60Hz

#### Code

STB14HD





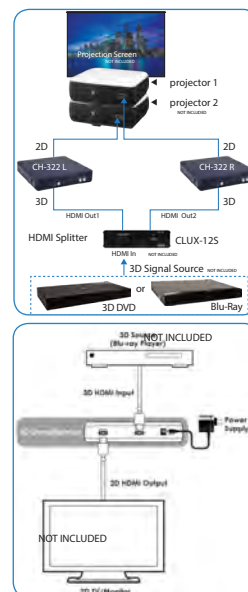
## 3D Converters

### 3D DEMULTIPLEXER

#### EXTRACTS LEFT OR RIGHT EYE IMAGE

Left eye and Right eye demultiplexer makes 3D contents display on your existing equipment or take 3D contents and convert it to 2D. The 3D demultiplexer can split a HDMI 3D content into two HDMI v1.3 content, one for the left eye and one for the right eye and with two 2D projectors to recreate the 3D content on the projection screen. Automatically detects the 3D or 2D content, when demultiplexer it will detect the contents is 3D and the system will check the content if it is Side-by-Side or Frame Packing, the user can push the button from the demultiplexer to select the Left/Right (for Side-by-Side) or Top/Bottom (for Frame Packing) to perform 3D contents.

- Convert 3D to 2D Contents
- Separations for Left/Right (for Side-by-Side) or Top/Bottom (for Frame Packing)
- Automatically detect 2D, or 3D contents
- Automatically detect 3D as Side-by-Side or Frame Packing
- Input resolution support:
  - 2D: 480i/p, 576i/p, 720p@50/60, 1080i@50/60 and 1080p@50/60
  - 3D: 720p@50/60 (Frame Packing and Side-by-Side),
  - 3D: 1080p@24 (Frame Packing)
- Output support 1080p@60Hz only
- One push button to select Left/Right (for Side-by-Side) or Top/Bottom (for Frame Packing) to perform 3D contents



Input	Output	Description	Code
3D x1	2D x2	3D Demultiplexer box	CH-322

### 2D TO 3D CONVERTER BOX

#### WITH 3D SIMULATOR FEATURE

The CH-2D3D Converter Box offers real-time conversion of 2D content. Using this device you can easily create a 3D video using either a 2D or 3D TV/display. Instead of purchasing an expensive 3D display/TV and costly 3D DVDs, this device allows you to convert 2D formats into other 3D formats, for instance 2D content to SBS (Side-by-Side Half).

- Supports 2D to Side-by-Side (half)
- Supports up to 1080p@60Hz and 720p@120Hz 8-bits
- The CH-2D3D has a built in EDID. When the display is either HDMI or HDMI/ DVI the EDID will copy the displays EDID to show content.
- When the display is DVI, the MCU (Micro Control Unit) will modify the EDID so 3D content can be displayed.
- Supports 2D interlace video input bypass but does not support 3D interlace video or the conversion of 2D interlace into 3D
- Easily integrates with existing TVs, monitors and portable DVD players
- Supports HDCP source, but does not support HDCP repeater function.



Input	Output	Description	Code
2D x2	3D x1	2D to 3D media box	CH-2D3D

## TV Wall

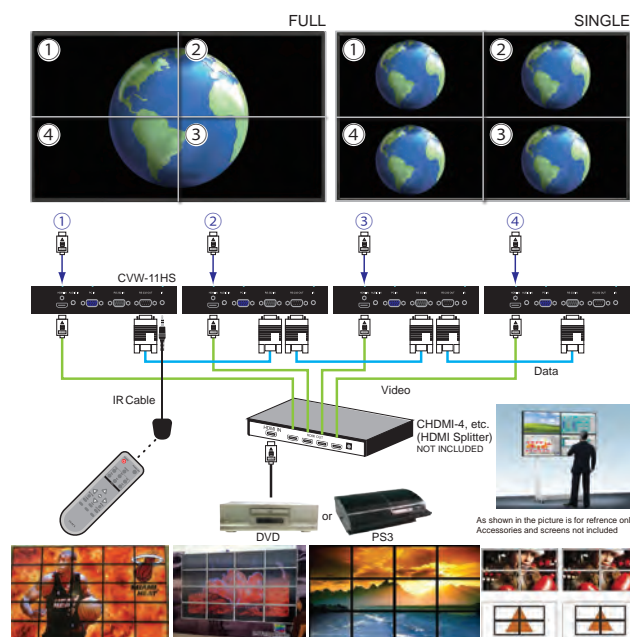
### LCD MULTI-SCREEN VIDEO WALL CONTROL SYSTEM

#### LCD MULTI-SCREEN VIDEO WALL CONTROL SYSTEM

Need to capture the public's attention! Why not get a Multi-Screen Video Wall control system? Ideal for advertising, entertaining and displaying information. This allows users to cascade a HDMI or PC source to multiple LCD panels. By use of the built-in RS-232 control you are able to fully customise each of the LCD panels giving you complete control over multiple screen video walls including colour, brightness trim and gap trim. Resolution is not an issue with the embedded scaler. There is a pair of additional L/R RCA converter for user to output analog audio (extracted from the HDMI source, or routed from the analog audio input) to local speakers. Each monitor will require one CVW-11HS that are then coordinated together by RS232 communication leads (inc.) and OSD menu setup via IR remote. Note: An additional HDMI Splitter (to the number of monitors) and leads, etc. will be required to set up the system.

- Supports six video wall combinations with HDMI
- 2x2 (4), 3x2 (6), 3x3 (9), 4x3 (12) 4x4 (16) 5x5 (25) screens
- Supports both HDMI and PC Sub-D (with 3.5mm audio) input sources
- Resolution supported up to 1080p full HD input
- Use RS-232 cables to cascade over every connected CVW-11HS box
- Supports external IR receiver for IR remote control of CVW-11HS box
- Note: Requires HDMI or PC Sub-D (with 3.5mm audio) signal splitter to distribute video / audio signal to each connected CVW-11HS box.

Input	Output	Scaler	Description	Code
HDMI	4, 9, 16, 25X	TV Wall	Video Wall Control Box	CVW-11HS







## □ TV Wall

### 1x4 HDMI FULL HD SEAMLESS QUAD SPLITTER

"This HDMI Video Wall Controller allows a single HDMI source to be displayed on up to 4 HDMI displays (TV or monitor) and/or cascade to additional units to extend the number of displays in the video wall configuration. The user-friendly PC control application allows full control over single or multiple devices in a Video Wall control system, including picture adjustment and full bezel correction. It supports video resolutions up to WUXGA@60Hz (RB) and 1080p@60Hz, audio formats up to 7.1CH LPCM at 192kHz sampling rate dependent upon the source devices resolution capabilities. All operation and control can be done via IP (Telnet/PC application) and RS-232 commands.

Note: Please always uninstall / remove the old version of TV Wall Set software application, before install the new version."



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x HDMI	4x HDMI	-	-	-	-	Yes (Input)	Yes	-	Yes	Yes	CDPS-14TW

### 4x1 HDMI SEAMLESS QUAD TO SINGLE MONITOR

The CDPS-41SQ is an advanced HDMI switch with integrated Picture-in-Picture (PIP) technology that can be easily configured and controlled. It allows 4 different sources to be selected and arranged on a single display (for quad or single view). Supports video resolutions up to 1080p and audio up to 8CH/192kHz. Preset hot keys, IR and RS-232 / Telnet support allows centralised PC control and switching.

- Integrate 4 HDMI sources to a single display or video wall system
- Seamless switching between channels and windows
- Supports individual channel size and position adjustments
- Zoom, shrink and overlay the source channels
- Supports Fade-In/Fade-Out, Chromakey, Mirror and Rotation (90° left/right and 180° up or down) functions
- Supports Picture-in-Picture (PIP), Picture-out-of-Picture (POP) and multi-window display
- 8 Screen preset hot keys and 4 extra customisable screen setting favourites
- Supports OSD, RS-232, Telnet, Remote and on-panel controls
- Save and recall up to 4 customisable favourite screen arrangements



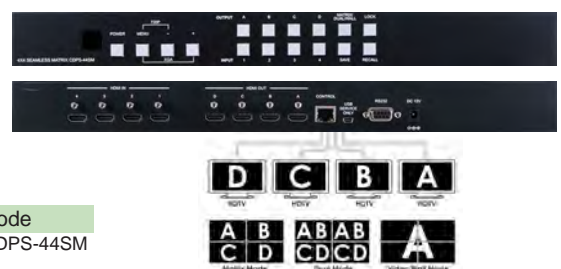
Input	Output	4K	3D	ARC	HEC	HD Audio	Deep Colour	CEC	EDID	HDCP	Code
4x HDMI	1x HDMI	-	-	-	-	Yes	Yes	-	-	Yes	CDPS-41SQ



### 4x4 HDMI SEAMLESS QUAD MATRIX

The 4 by 4 HDMI Seamless Matrix Switcher allows the signal from 4 different input sources to be freely selected and arranged on 4 displays (TV or monitor), providing three output modes (Matrix, Dual and TV Wall) for various applications. Matrix mode routes the source signals to output displays as regular matrix does, Dual mode allows 2 sets of 2 selected sources to show on designate output displays with POP method and TV Wall mode extends a selected source to display on all 4 output displays as one. The device supports video timings up to WUXGA@60RB and 1080p@60Hz, audio format up to 7.1CH LPCM at 192 kHz sampling rate based on input source EDID. For all the operation/ control can be done through IR, remote control, Telnet, RS-232 or front panel buttons.

- HDMI, HDCP1.1 and DVI compliant
- Supports Deep Colour 8/10/12-bit
- Seamless switching of HDMI sources
- Supports three different display modes: Matrix, Dual and Video Wall
- In Matrix Mode: Can seamlessly switch between and output from any 4 sources to any 4 displays, as per a normal matrix switch
- In Dual Mode: Can display a POP (Picture-out-of-Picture) image combined from 2 sources to be presented on the HDMI output ports (Dual A and Dual B)
- In Video Wall Mode: Can split a single source to 4 displays e.g a 2 by 2 Video wall as a full image with adjustable Bezel Correction
- Supports control via On-screen Display (OSD), RS-232, Telnet (IP), IR Remote control and on-panel controls
- Supports Input resolutions of VGA~WUXGA and 480i~1080p
- Supports Output resolutions of 480p~1080p
- Supports different input resolution and output resolution selectable from the OSD menu. The default setting for the output resolution is 720p@60Hz/2CH LPCM
- Supports High definition Audio formats: LPCM 2CH/6CH/8CH, Dolby® Digital, DTS, Dolby® Digital Plus, Dolby® TrueHD and DTS-HD Master Audio



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x HDMI	4x HDMI	-	-	-	-	Yes	Yes	-	Yes	Yes	CDPS-44SM

### RS-232 LEVEL SHIFT BOARD

The CDB-5 is designed to adjust control commands between PCs and control devices, including TV Wall systems. The PC protocol is converted so that it is readable by the control device to ensure it executes the exact command action.

Input	Output	Code
1x RS232	1x RS232	CDB-5







# AV TV SAT Install

## □ Home Automation Control Systems



GET IT ON  
Google Play



Available on the  
App Store



**Use your iPad to control your home**



TABLET NOT INCLUDED



**Professional Installers**



**Home/DIY Enthusiasts**



**Customised PC Software**

Welcome to DemoPad Software, the innovative Graphical User Interface home automation / universal remote system for custom control of audio / visual equipment, lighting, heating, CCTV, gate automation and access control. Use our free PC design software DemoDesigner to create your personalised designs and custom control commands, without being tied to the CLOUD. No programming knowledge required!

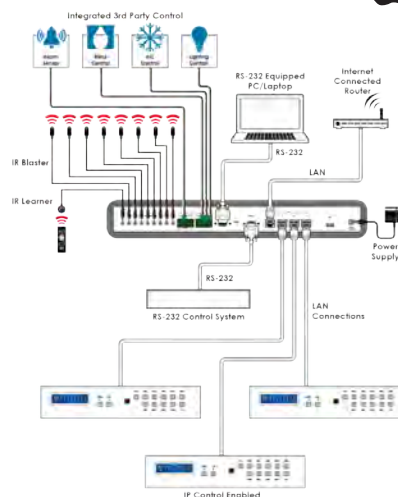


## µCS MICRO CONTROL SYSTEM

### ADVANCED IP CONTROLLED PROGRAMMABLE REAL-WORLD-INTERFACE

By entering into a new era of smart connectivity, it is easier than ever to have complete control of your devices in the palm of your hand. This Control System provides not only direct but also indirect control interfaces for all your connected devices. Supporting traditional direct control systems like IR, Relay and DC and indirect control systems like IR Learning, RS-232, Telnet/Web GUI controls, it allows the user with PC or APP based control systems great flexibility over devices. The operation of the system can be easily managed through software application on PC/NB or APP on mobile devices.

- Supports IR Learning function: allows IR signals to be stored in the system and used for control
- Supports eight Terminal Block inputs with voltage of 0~15V
- Supports 1 IR Learning port, 8 IR outputs, 8 control inputs, 8 Relay outputs, 2 COM ports, and 4 Ethernet ports
- Supports Baud rates up to 115,200bps
- Supports 10/100Mbps Ethernet network connection



TABLET NOT INCLUDED

Ethernet	USB	Infrared Learning Input	Triggers	RS-232	IR Output	Relays	App Installation	Code
4	1	1	8	2	8	8	Yes	CDPS-CS4

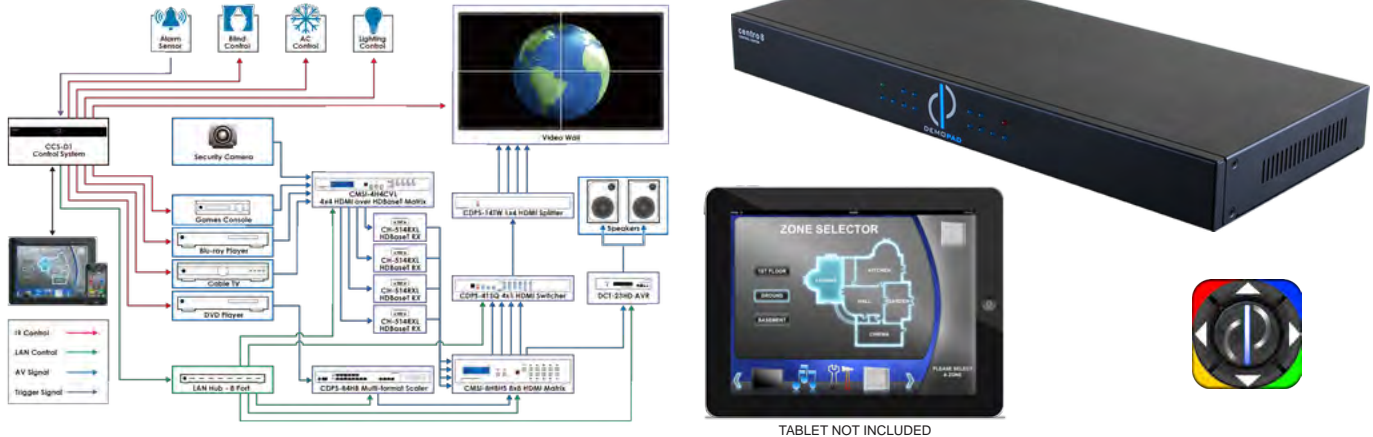




## □ Home Automation Control Systems

### DEMOPAD CENTRO 8 CONTROLLER

#### ADVANCED IP CONTROLLED PROGRAMMABLE REAL-WORLD-INTERFACE



TABLET NOT INCLUDED



The CENTRO 8 controller is a powerful IP based automation processor enabling an installer to create customised commercial or residential control systems. Utilising advanced embedded software, and programmable using DemoPad Designer Software, the CENTRO 8 processor provides centralised control over automated and manual control functions. DemoPad is the fastest and most cost effective solution for controlling audio, video, lighting, HVAC (Heating, Ventilation, Air Conditioning), and security systems (CCTV) etc.. directly from an iPhone®, iPad®, or Android device. The GUI can be user-branded for that finishing touch to any professional or bespoke control system interface. Combines this with the powerful CENTRO 8 controller which has a vast array of connectivity ports (e.g. IR, RS-232, Contact Closures, Low Voltage Relays, HDMI, USB, Audio, and LAN) to communicate with the hardware you want to control. The existing DemoPad software projects can be seamlessly integrated with the controller and delivering the ultimate in flexibility for professionals committed to delivering World class control solutions.



TABLET NOT INCLUDED



- **DemoPad** is proud to announce the launch of our new advanced automation processor, the CENTRO 8
- **The CENTRO 8** represents a quantum leap in home automation, bringing advanced automation capabilities to the masses, with an affordable control processor and state of the art embedded software
- **The CENTRO 8** is the heart of your control system, using iOS / Android devices to enabling advanced logic features and control options
- **Powerful IP Networking Capabilities:** Connect up to 20 simultaneous client devices (iOS/Android), and communicate with many more control devices throughout the network.
- **Astronomically-Aware and Date-Aware Timer Events:** For example, it can be programmed to turn your lights on 25 minutes after sunset, except on weekends and in the summer.
- **Centrally Stored System Variables:** When one user turns a zone On, any other user (including remote ones) also know about it.
- **Programmable Audio Output:** Play a custom doorbell or security alert sound through your audio system when an input triggers, or at certain times.
- **Programmable HDMI Output:** Have another input to your HDMI distribution system to show web pages or a photo frame slideshow, which can be timer-driven.
- **Built-in Web Server:** Store the DemoPad project on the CENTRO 8 and allow communication of any device with a web browser.
- **Advanced Macros:** Uses the same powerful macro generation routines as our control app.
- **Upgrade in the field:** Return to your clients after installation to enable new features and benefits.
- **Local Monitor:** HDMI Resolution Support up to 1080p@60Hz.
- **Local Audio:** Dolby True HD, Dolby Digital Plus and DTS Master Audio Pass-through supported via HDMI

Code  
CCS-D1



### INFRARED LEARNER

- As used by CDPS systems for user programming software control
- Learns/stores control signal for remote IR signal extender feature set
- Learns and transmits an IR signal to confirm successful learning
- Includes software for reading the IR codes as raw data
- Compact USB dongle



Infrared Learning Input	IR Output	App Installation	Code
1	1	Yes	CDPS-IRL





## □ Amplifiers

### 150W MONO OR 75W STEREO POWER AMPLIFIER BLOCK

#### DAYTON AUDIO CLASS A/B POWER AMPLIFIER - STEREO OR BRIDGED

- Sleek modern design looks good in any audio system (WAF) with easy placement
- High current, class A/B, discrete output transistors that run cool and quiet
- Adjustable 50-150 Hz low pass 18dB/Octave crossover with bypass switch
- Gold-plated 5-way binding posts that accept up to 8 AWG speaker wire



Code  
APA150



Power Output: 75W RMS x 2 into 4Ω, 150W RMS x 1 into 8Ω
Total Harmonic Distortion: Less than 0.01% (20-20,000 Hz)
Signal-to-Noise Ratio: >100 dB, unweighted
Crossover: Variable 50-150 Hz, 18 dB/octave
Auto-On Sensitivity: 3 mV, Auto-Off Delay Time: 15 minutes
Dimensions: 142 H x 145 W x 325 D mm, Weight: 5kg

### 40W X 12CH OR 80W X 6CH MULTI-ZONE POWER AMPLIFIER

#### DAYTON AUDIO 40WRMS X12

The Dayton Audio MA1240a is a freestanding, twelve channel amplifier designed for custom multi-room sound distribution. Its intelligently engineered and versatile design integrates easily into high-end whole house audio systems.



- Stable Class AB design delivers superior audiophile sound quality and performance
- Independent (12CH) and bus (2x2CH) inputs provides unparalleled flexibility
- Bridgeable channel outputs provide additional power when needed (6CH)
- Independent channel gain controls allow the output of each speaker to be perfectly matched
- Multi-stage protection circuitry for reliability and easy troubleshooting of audio system
- Temperature controlled cooling fans. Compact 2U design. Rack mountable.
- ENERGY STAR and CE EuP directive compliant, consumes less than 1/2 a watt in standby

Code  
MA1240A



### 120W DAYTON MINI AMPLIFIER

#### STEREO CLASS-T

Provides 60 watts per channel of clean sound from a Class-T digital power amplifier. Patented circuitry offers the audio fidelity of a premium Class-AB amplifier with the efficiency and low heat and size of Class-D. Includes a built-in headphone amplifier, and two stereo inputs to connect all your portable and permanent audio device. Includes power pack and leads.

Watt	60Wrms(4Ω) x2
THD	0.01%
Efficiency	85%
Input	RCA
Power	24Vdc 5A
Size	55x85x140mm
Code	DTA120







## 30W DAYTON MINI AMPLIFIER

### STEREO 15W CLASS-D BRIDGEABLE TO 30W

Choose the Dayton Audio DA30 amplifier for your fixed audio application. Its small chassis fits away neatly for security, while the big sound fills classrooms and conference rooms.

- 2 x 15W power output into 4 ohms or 1 x 30W bridged output into 8 ohms
- Clear, articulate hi-fi sound quality, but built for the tough requirements of commercial duty
- Cool-running Class D circuitry delivers high output while reducing AC line current demands
- Recessed bass, treble and balance controls. Volume and power switch.
- Recessed, tamper-resistant tone controls provide simple sound shaping
- Compact size makes it easy for this amp to fit almost anywhere
- Add a Bluetooth® receiver (sold separately) for even greater control flexibility
- Includes 24V 2A Switchmode power pack. Auto On - Stand-by current is 0.6mA

Watt 15Wrms 4Ω  
Size 41x112x140mm  
Code DA30



## DAYTON MINI AMPLIFIER 15W

### STEREO CLASS-T 15WRMS

This mini amplifier has the heart of a serious performer, in a truly portable package. According to some reviews, the amazing Class-T output chip produces imaging, dynamics, and sound quality that rival esoteric tube amps. This is a new technology that out performs.

- Palm-size Class-T 30 watt stereo amplifier
- Great sounding amp Superior, hi-fi sound quality
- 88% Efficiency. Runs on 8x AA batteries
- AC Power pack included.
- Soft turn-on eliminates annoying speaker pop

Watt 15Wrms (x2)  
Size 50x95x155mm  
Code DTA1



## DAYTON MINI AMPLIFIER WIRELESS

### TRANSMITTER & RECEIVER PAIR

Instantly add wireless audio to your home or office with the Wireless Class T DTA-1W mini audio amplifier system. 3.5 mm inputs on both the transmitter and receiver offer quick connection to smartphones.

- Amplifier efficiency of up to 88% for full 15W x2 stereo
- Compact sized transmitter and amplifier/receiver units
- Up to 20 metre wireless range for portable convenience
- 3.5 mm local input for smartphone or MP3 player connectivity
- Easy expandability with additional DTA-1ARs (sold separately)
- Transmitter and amplifier/receiver can each run off 8 AA batteries

Code DTA1W

### EXTRA RECEIVER AMPS

Code DTA1AR



## DAYTON WIRELESS AUDIO CONNECTION

### USED FOR SUBWOOFERS OR ANY STEREO AUDIO

The Sub-Link™ Wireless Audio transmission system is a quick to set-up solution to connect your home theatre with sub-woofers wirelessly. It allows you to position your subwoofer anywhere in the room without ugly bothersome wires. Ideal for those without the option of permanent in-wall wiring solutions. The unit is subwoofer optimised as it is capable of frequencies down to 15Hz with low distortion, but is also suitable for surround speakers, extension speakers, and other Stereo HiFi audio solutions. Includes full kit of power and RCA connection solutions.

Transmitter / Receiver operating voltage: 5V DC, 1A (Included)  
RF frequency band: 2.404 to 2.467GHz. Modulation: GFSK  
Working distance: 12 metres (line-of-sight)  
15Hz to 20KHz (-3dB), 85dB, 1%THD max. Mono or Stereo.  
700mV Input sensitivity. Delay time: Less than 25ms

Code SUB-LINK





## 7.1 CH AMPLIFIER

### HDMI DSP SURROUND SOUND POWER AMPLIFIER 7X 50Wrms

The traditionally bulk and large amplifier is transforming into a new era with the newly formed light and full functions design. Instead of taking over a size of small TV's space this new amplifier only needs the space of a lunch box. Also, the installation & operation steps are becoming much user friendly with the OSD and remote control. The multi-channel AV amplifier is made with high efficiency design and is compliant with HDMI 1.4's specification of ARC function and supports 3D display, these allows users to enjoy high quality true sound with no delay and real 3D display with true colours.

- Elegant compact design and streamline shape, excellent performance and decoration
- High performance Low THD & High quality audio circuit
- Low heat High power 7x 50W class D amp >80% efficient
- Fast switching on all HDMI input ports in less than 1 second
- Support HDMI CEC bypass and HDCP repeater
- HDMI supports deep colour 36/30/24-bit, HDCP repeater
- HDMI resolution 480i~1080p @24/50/60Hz, VGA~WUXGA
- HDMI 1.4 support.
- Audio Return Channel (ARC).
- Support 3D signal and display
- Audio Type: PCM 2.0, 5.1 & 7.1CH
- Audio Sampling Rate up to 192KHz
- Dolby Digital 2.0 & 5.1, Dolby Pro Logic II
- DSP sound mode: Jazz/music/Speech/Concert/Movie
- Tone Control: Bass/Treble +/- 10dB
- Speaker setting: Size / Level / Distance
- Lip sync (0~100ms)
- Simple IR remote control makes operation friendly
- Friendly OSD overlay with Video Display
- Easy to use big size graphic LCM display
- Requires 7x Passive speaker 4ohm~8ohm
- Supports Subwoofer Line Level Output
- 280(W) x 162(D) x 49(H)mm plus feet



Input	Output	Description	Code
4x HDMI / 1x Coaxial / 1x 7.1 Analog / 4x RCA R/L	1x HDMI / 1x Sub / 7x Speaker Jack	Audio Surround Sound Amplifier	CPRO-AVR1

## INTEGRATED ZONE AMPLIFIER

The DCT-23 accepts analogue and digital stereo audio signals via RCA, 3.5mm mini-jack, optical and coaxial digital, and HDMI with an additional microphone input. As well as speaker outputs, it boasts line level output, optical and digital outputs, and HDMI outputs for wider systems integration. Suitable for use at musical events, sound presentation and sound amplification. With audio sampling rate support up to 48 kHz and I/O data rate support up to 24-bit, it provides a high quality sound reproduction.

- 30 watts per channel Digital Stereo Amplifier
- Supports Digital to Analogue audio Conversion (DAC) and Analogue to Digital audio Conversion (ADC)
- HDMI Audio Embedding and de-embedding
- Supports input sampling rates up to 96kHz and output at 48kHz
- Dedicated XLR microphone input with independent volume control
- Supports microphone sound being embedded into audio output
- Simultaneous output of sound on both digital and Analogue
- Supports control via IR (Remote and IR Receiver input), RS-232 or IP (Telnet)
- Analogue line output selectable to be either fixed or variable
- Note: Does not support the decoding of Dolby Digital signals
- Half-Rack width (9½") 1RU. 215W x 172D x 46Hmm.



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
2xHDMI, 1xCOAX, 1xTOSLINK, 1x3.5mm Jack, 2xRCA, 1xMIC	1xHDMI, 1xCOAX, 1xTOSLINK, 2xRCA	Compressed 2~5.1CH, LPCM 2CH, Analogue 2CH	Compressed (Bypass), LPCM (Bypass), Analogue 2CH	32-192kHz	32-192kHz	DCT-23



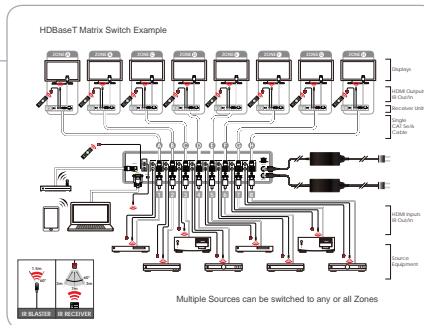
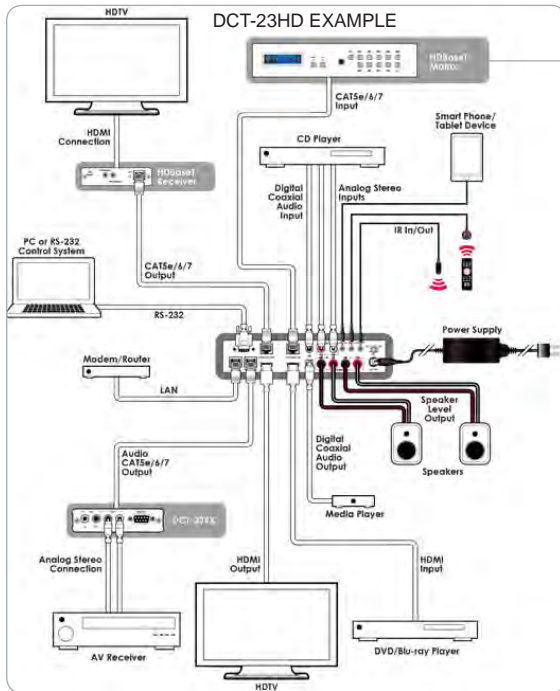


## HDBaseT PRODUCTS FROM CYPRESS TAIWAN

### HDBaseT MULTI-MEDIA NETWORKING SYSTEM STANDARD

HDBaseT technology runs over standard Cat5e/6 cable and implements 5Play; an unrivaled feature-set that converges full uncompressed HD video, audio, 100BaseT Ethernet, and various control signals plus up to 100W of Power-Over-Ethernet - that's enough to drive a 37-inch TV. And it can extend up to 100 metres passively. HDBaseT has the bandwidth to support the highest video resolutions such as full HD 1080p as well as 3D and 2Kx4K formats. HDBaseT is the first to provide all-in-one connectivity, making it possible for a single-connector TV to receive power, video/audio, Internet and control signals from the one cable.

What makes HDBaseT so impressive is that it is sending more info than HDMI can, over a set of 8 wires within a standard Cat5e or Cat6 cable. How can it do this? Well, it uses much lower frequency modulated packets. These are not IP packets like you find in Gigabit Ethernet. Since they run on such low frequency, they are not subjected to typical EM (electromagnetic) interference. That means you can sit the cables in front of microwave or a cell phone and there are no problems with signal degradation.



HDBaseT is a consumer electronic and commercial connectivity standard for transmission of uncompressed high-definition video, audio, power, home networking, Ethernet, USB, and some control signals, over a common category cable with a standard connector.

### 5Play: HDBaseT's Protocol:

HDBaseT's Protocol allows you to literally NETWORK your AV sources and displays just like you would your home data network. Called 5Play. Want to watch your living room Blu-ray in your bedroom? Check. How about your bedroom's cable box in your theatre room? Check. Theatre room's Xbox 360 in your children's room? Check? How about allowing three televisions to watch the grand-final from your single Dish Network set top box at the same time? Check. Check! HDBaseT enables a network of sources - such as digital video recorders (DVR), Blu-ray disc players, game consoles, PCs and mobile devices to be connected directly to displays in multiple locations. It allows users an independent yet fully compatible experience. HDBaseT LAN-based technology makes it possible to cut out the assortment of cables for audio, video, connecting CE devices. IR, networking... it's all there. Send three different sources to three different displays and switch them at will using an HDBaseT hub, easy.

## INTEGRATED ZONE AMPLIFIER WITH HDBase-T SUPPORT

The Integrated Zone Amplifier is a compact 2 channel digital receiver that is perfect for integrating local sources and remote HDBaseT™ inputs. It features multiple audio and video input and output options including HDMI, HDBaseT, Digital and Analogue Audio inputs and HDMI, HDBaseT and speaker level outputs and includes Analogue to Digital and Digital to Analogue conversion (DAC/ADC) and supports audio sampling rates up to 24-bit/96kHz and sound amplification 30W per channel. The system also supports HDBaseT features which include the transmission of High-definition Video and Audio, bidirectional IR control, RS-232 pass-through, Power over Ethernet (PoE) and LAN serving to compatible HDBaseT receivers over a single industry standard CAT5e/6/7 cable (for each output) up to 100 metres and can be used to create an additional HDBaseT zone or to repeat the signal to another HDBaseT Integrated Zone Amplifier.

- Supports Digital to Analogue audio Conversion (DAC) and Analogue to Digital audio Conversion (ADC)
- Supports input sampling rate up to 96kHz and LPCM 5.1CH
- 30W per channel digital stereo amplifier class D
- Simultaneous audio output on both digital and Analogue outputs
- Supports HDTV resolutions up to 4K2K (3840x2160 @24/25/30 Hz and 4096x2160 @30Hz)
- Supports distances up to 100 metres through CAT5e/6/7 cables
- Full 5Play™ convergence: Video, Audio, LAN serving, Power over Ethernet (PoE) and Control (IR & RS-232 bypass)
- Supports control via RS-232, IR remote control, on-panel buttons and IP Control (Telnet & Web GUI)
- Half-Rack width (9½") 1RU. 215W x 172D x 46Hmm.



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1xHDMI, 1xCAT5e/6/7, 1xCOAX, 1xTOSLINK, 1x3.5mm Jack, 2xRCA	1xHDMI, 1xCAT5e/6/7, 1xSpeaker Jack	Compressed 2~5.1CH, LPCM 2CH, Analogue 2CH	Compressed (Bypass), LPCM (Bypass), Analogue 2CH	32~192kHz	32~96kHz	DCT-23HD



## □ Audio Converters

### USB TO ANALOGUE AUDIO CENTRE

The USB Audio Centre allows multiple audio sources to be controlled, switched and outputted to a variety of audio equipment. With 3 audio inputs (USB, Line-level RCA and 3.5mm mini-jack) and 2 audio outputs (Line-level RCA and 6.3mm headphone output) you can integrate and convert USB or analogue stereo audio sources to Line-level output and 6.3mm headphone simultaneously.

- Supports Digital to Analog audio Conversion (DAC)
- Supports USB sampling rate up to 192 kHz
- Simultaneous output on both Line out and 6.3mm headphone output
- Supports RS-232 control
- Total Harmonic Distortion (THD): Less than 100 dB (~20dBFs)
- Volume control of analog and headphone outputs
- Direct power ON/OFF and mute button on unit
- Headphone output fades in after system is muted
- 6.3 mm headphone output (3.5 mm mini-jack adaptor supplied)
- Compact design and easy to use



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1x3.5mm Jack, 2xRCA, 1xUSB	1x6.3mm Jack, 2xRCA	LPCM 2CH, Analogue 2CH	Analogue 2CH	32-192kHz	-	DCT-24

### HIGH DEFINITION AUDIO CENTRE

#### STEREO ADC/DAC WITH UPSCALER 24BIT 196KHZ

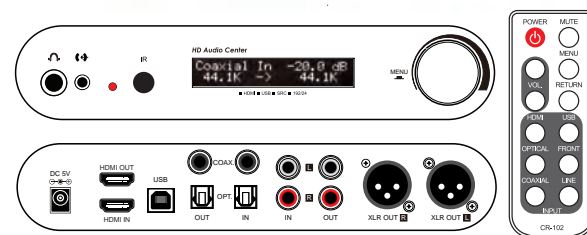
The HD Audio Centre is designed to allow multiple audio sources to be controlled, switched and output to a variety of audio equipment. With its 6 audio inputs (including an HDMI input) and 6 audio outputs (including a 6.3mm headphone output) you can integrate and convert any digital or analog audio source to any type of amplifier or active speakers.

This device has a built-in sampling rate converter which can upscale audio signals between 44.1 kHz to 192 kHz (24-bit). With HDMI connectivity, it allows the user to embed or de-embed audio within the HDMI signal path.

For professionals, the Ti TPA6120A2 headphone amplifier, XLR (Low-noise Professional Balanced output) and 6.3mm headphone jack (3.5 mini-jack adaptor supplied) offer unparalleled audio quality. With a highly accurate PLL and low jitter reduction clock system, and with an OLED display and IR remote for controlling the device the HD Audio Centre is an incredibly useful tool for getting the most out of your audio devices.

- Multiple input/output Audio Centre
- Audio format and sampling rate conversion
- Professional audio system integration with XLR balanced outputs
- Mac/PC USB audio output support
- Analog to digital or digital to analog audio conversion
- HDMI audio embedding or de-embedding

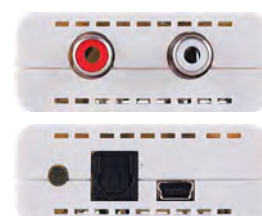
Code DCT-21



### OPTICAL DIGITAL TO ANALOGUE AUDIO CONVERTER

The Optical to Analogue Audio Converter (DAC) provides the ideal solution for converting an Optical digital audio signal to analogue stereo audio. With support for audio sampling rates up to 192 kHz/24-bit, it provides high quality sound conversion. This unit is perfect for use in, computer audio systems or digital mixing consoles and can be powered from any spare USB port allowing it to be used with USB equipped HDTVs, Blu-ray players or computers without the need for a separate power supply.

- Supports optical digital audio signal input and conversion into Analogue stereo audio output
- Supports uncompressed digital LPCM stereo audio input
- Supports LPCM 2CH audio sampling rates up to 192 kHz
- Supports S/PDIF bitstream 24-bit of data for the left and right channels



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1xTOSLINK	2xRCA	LPCM 2CH	Analogue 2CH	32-192kHz	-	DCT-1

#### WITH DOLBY DIGITAL DECODER

Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1xTOSLINK	2xRCA	Compressed 2-5.1CH, LPCM 2CH	Analogue 2CH	32-96kHz	-	DCT-1D





## STEREO ANALOGUE TO OPTICAL PCM

### CYPRESS FORMAT CONVERTER

Compact unit with stereo audio in and converts it to 16 bit PCM (Digital) output to Toslink Optical and RCA PCM connections. Compatible with Digital home-theatre and receivers or other digital items, etc. Sampling rate 48KHz LPCM Linear Pulse Code Modulation



Input	Output	Description	Code
L&R	Optical/Coaxial	Analog to Digital Audio Converter	DCT-4
L&R	Optical/Coaxial	Analog to Digital Audio Converter with Audio Delay(150ms)	DCT-4T

## OPTICAL PCM TO STEREO ANALOGUE

### CYPRESS DIGITAL DECODER

Compact unit with stereo audio output converted from Standard 16 bit PCM (Digital) Input is Toslink Optical or RCA PCM connections. Compatible with DCT4 and LPCM Stereo CD players. Accepts sampling frequencies 32KHz, 44.1KHz, 48KHz, 96KHz. White 42x40x22mm compact



Input	Output	Description	Code
Optical/ Coaxial	L&R	Coaxial / Optical to R&L audio 96Kbps/16bit	DCT-3

## DIGITAL AUDIO TO HEADPHONE WITH VOLUME

Converts Coaxial or Optical audio signals into a headphone amp. Auto digital input signal select on active connection. Supporting PCM 2CH, 192k/24 bit digital audio input (Coaxial/Optical) with a 44.1 KHz, 48 KHz, 96 KHz, 192K sampling rate this compact is a simple, yet useful tool for audio professionals.



Input	Output	Code
Optical/Coaxial	3.5mm Headphone Jack	DCT-3HP

## TOSLINK/COAXIAL CONVERTER REPEATER

### VICE-VERSA

Converts Coaxial (S/PDIF) to Toslink or Toslink to Coaxial and repeater, Accepts S/PDIF audio signal input through either Coaxial cable or Toslink cable, and passes the signal (as is) to both its coaxial and Toslink output ports. With its built-in amplification feature, can also serves as a repeater to extend (double) the cable transferring distance.



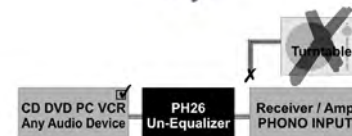
Input	Output	Description	Code
Optical/Coaxial	Optical/Coaxial	Coaxial / Toslink Audio Converter	DCT-2

## LINE LEVEL TO PHONO INPUT

### USE THE SPARE PHONO INPUT

If you require an extra input to your amplifier here is an option to use that old phono input! Your turntable is gathering dust, so why not use its' input for that new device. Fully shielded in a metal box, premium quality components, gold plated plugs and sockets. The circuitry re-equalises the signal to counteract the RIAA eq. low level (MM) input. Passive (No power required).

Code  
PH26



## PHONO PREAMPLIFIER

This additional amp stage, allowing direct connection of a turntable. Update modern equipment with auxiliary RCA input to accept MM turntable. Also suitable for computer sound card's line input so you can make CD-Rs & MP3. Battery operated. 9V battery included.

Code  
PA005



## PHONO PREAMP TO USB

### OUTPUTS AUDIO & USB DIGITAL

Any kind of audio grabbing program can be used to record audio from your turntable or any Audio in and convert to any kind of audio format.

Code  
UPA100



Plug-and-Play with Microsoft® or Mac® OS default drivers
Phono in for RIAA pre-amplifier circuit with Line Level 3.5mm out.
Up to 48KHz sampling rates for 2CH recording to digital via USB.
USB powered via data cable (MiniUSB-USB 1.2M Included).
MM (Moving Magnet) or MC (Moving Coil) switched input.
Line level 3.5mm stereo input for recording any audio source.



## 24BIT 192KHZ DAC

### COAXIAL & OPTICAL INPUT TO STEREO ANALOGUE OUT

- Digital audio input (Coaxial/Optical) and analog audio output (R/L)
- Integrated digital interpolator filter and Digital to Analog Converter
- Supports SPDIF 192K/24 bits of data for the left and right channel
- Supports LPCM & non-compression digital stereo audio input
- Compact size and easy to install. 5V power pack included

Code

DCT-3A



## USB / OPTICAL TO OPTICAL ANALOG CONVERTER

USB / Optical input converts to Analog RCA R/L and Optical output. Ideal for connecting your computer your amplifier / sound system that has SPDIF inputs. R/L output jacks can be linked to a display or to speakers simultaneously for Stereo Analog Audio output.



Input	Output	Code
USB/Optical	Optical/L&R	DCT-15

## HDMI 7.1CH AUDIO DECODER

### LPCM 7.1 ANALOGUE OUT

HDMI V1.3 Repeater/Extender  
Transfers deep Colour 12Bit  
High bandwidth up to 225MHz  
Audio output is Analogue 7.1  
4x Stereo 3.5mm for 8 Channel

Compatible with Bitstream:  
Dolby, Dolby TrueHD,  
DTS-HD. LPCM 7.1 5.1 or  
2 Channels See web for  
further details Compact  
metal box 100x150x25mm



www.cypress.com.tw

Input	Output	Description	Code
HDMI	HDMI x1 / 3.5mm x4 / Optical	HDMI to 7.1CH Audio decoder	CLUX-11SA

## UNIVERSAL DIGITAL / ANALOG AUDIO

Selectable Optical / Coaxial / RCA  
L/R both IN and multi-format Out  
audio converter. This device can  
convert Analogue Audio Signal  
and convert it to Digital Audio Out  
or convert Digital Audio Signal  
into Analogue Audio Out and also  
convert Digital coaxial to Toslink  
and Toslink to coaxial.



Input	Output	Code
Optical/Coaxial/L&R	Optical/Coaxial/L&R	DCT-9

### WITH DOLBY DECODER

Input	Output	Code
1xCOAX, 1xTOSLINK, 2xRCA	1xCOAX, 1xTOSLINK, 2xRCA	DCT-9DN

## HDMI 2.0CH AUDIO DECODER / EXTRACTOR

Solution for extracting audio from HDMI digital. The HDMI signal is unaffected. Toslink Optical and Coax digital audio out is switchable from forced 2CH digital or pass through multi-channel. Stereo analogue audio output via 3.5mm socket. Includes 5Vdc power-pack. 118x60x26mm



Code

HA110SA



## USB TO OPTICAL & AUDIO CONVERTER

ASIO (Audio Streaming Input Output) is a USB 2.0 Interface standard for async data transfer designed for professional grade audiophile digital audio. Pro USB Audio Converter is able to accept multi-channel high resolution digital audio up to 192K and a high bit rate of 24-bits without introducing jitter.

This professional grade audiophile async digital audio device allows PC audio signals to be output via USB 2.0 to Toslink Digital Audio or to an analogue amplifier, active speakers or headphones for users to enjoy the original true sound quality.



Input	Output	Code
USB2.0 ASIO	Optical/Coaxial/L&R/6.3mm-Headphone	DCT-16

## AUDIO SYNCHRONISATION CORRECTOR

### LIP SYNC CORRECTOR

The L/R In-Out Lip SYNC Corrector is a compact device that corrects audio delays between audio and video. Adjust the audio delay from 0~300 ms so you can perfectly synchronize your audio and video.



Input	Output	Description	Code
L&R	L&R	L/R In-Out Lip SYNC Corrector - Audio Delay (0~300ms)	DCT-18
L&R	Optical/Coaxial	Analog to Digital Audio Converter with Audio Delay(150ms)	DCT-4T

## AUTOMATIC VOLUME LEVELLER

### SRS TruVolume

Regulates audio volume to the most comfortable listening level. Preventing disturbing fluctuations while you channel surf, as well as taming those obnoxious commercials, while you could still hear every detailed sound in quieter passages. Helps the hearing impaired by compressing the dynamic range to a constant level. Boosts low and high-frequency dynamically over 20-bands with psychoacoustic modelling. Bypass switched.



Input	Output	Description	Code
RCA	RCA	Analog SRS TruVolume Audio Leveller	DCT-6S
SCART	SCART/ RCA	SCART SRS TruVolume Audio Leveller	DCT-11S
HDMI	HDMI	HDMI SRS TruVolume Audio Leveller	DCT-8S

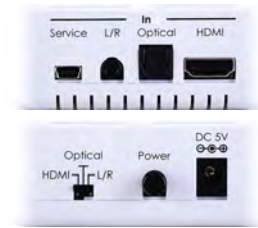




## □ Audio Inserter and Extractor

### HDMI AUDIO INSERTER WITH 4K UHD

The CPRO-11SI allows an external audio signal to be inserted into your HDMI or DVI (with an HDMI to DVI adaptor) signal path. The unit allows you to insert analogue stereo or multichannel surround sound (via the digital optical input) giving you the flexibility to add your choice of audio to the video while extending your HDMI signal. It also has the added benefit of 4K2K and 3D support, allowing full resolution video and eliminating the need to downscale the image. Supports 4K2K resolution and 3D signals. Compliant with HDMI, HDCP 1.2.



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1xHDMI, 1xTOSLINK, 1x3.5mm Jack	1xHDMI	Compressed 2~7.1CH, LPCM 2~7.1CH, Analogue 2CH	Compressed (Bypass), LPCM (Bypass), Analogue 2CH	32-192kHz	32-192kHz	CPRO-11SI

### HDMI AUDIO EXTRACTOR WITH 4K UHD

The CPRO-11SE2 and CPRO-11SE8 allows you to de-embed the audio signal from an HDMI source. With this Audio Extractor you can take your original HDMI audio signal and convert it to digital optical or analogue stereo (L/R) audio, allowing you to output your audio signal to an external audio system or to extend your audio signal pathway. It also has the added benefit of 4K2K and 3D support, allowing full resolution video and eliminating the need to downscale the image.



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1xHDMI	1xHDMI, 1xTOSLINK, 1x3.5mm Jack	Compressed 2~7.1CH, LPCM 2~7.1CH	Compressed (Bypass), LPCM (Bypass), Analogue 2CH	32-192kHz	32-192kHz	CPRO-11SE2
1xHDMI	1xHDMI, 1xTOSLINK, 4x3.5mm Jack	Compressed 2~7.1CH, LPCM 2~7.1CH	Compressed (Bypass), LPCM (Bypass), Analogue 8CH	32-192kHz	32-192kHz	CPRO-11SE8

### HDMI AUDIO INSERTER

The CLUX-11CA is a device that lets you insert an external audio signal into your HDMI/DVI source. The device allows you to insert stereo and multi-channel surround sound signals to give users the capability to select their favourite audio formats while extending your audio signal, then the HDMI Audio Inserter is the perfect choice.

- Supports HDMI Sample Rates up to 192kHz
- Supports Optical Sample Rate up to 48kHz
- Supports TMDS clock frequency rate 225MHz
- Supports high-bit-rate (HBR) audio
- HDMI cable distance test with 1080p 8/12-bit resolution, the input & output can run up to 10 metres
- Supports 3D signal



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1xHDMI, 1xTOSLINK, 2xRCA	1xHDMI	Compressed 2~7.1CH, LPCM 2~7.1CH, Analogue 2CH	Compressed 2~7.1CH, LPCM 2~7.1CH, Analogue 2CH	HDMI: 32~192kHz, TOSLINK: 32~48kHz	32-192kHz	CLUX-11CA

### HDMI AUDIO EXTRACTOR

The CLUX-11CD allows you to extract audio signals from your HDMI source. When connecting to a TV or display you don't always get the best audio, or in the case of a PC monitor, no audio at all. So with this Audio Extractor you can take your original HDMI audio signal and convert it to digital optical or analogue Stereo (L/R) audio. This means that you can output your audio signal to external speakers or extend your audio signal pathway.

- Supports HDMI sampling rates up to 192kHz
- Supports Optical sampling rates up to 48kHz
- Supports TMDS clock frequency rate 225MHz
- Supports high-bit-rate (HBR) audio
- No HDMI output connection is required to receive audio at the analog and optical outputs
- Supports built-in audio EDID switching among LPCM 2CH, TV (external) EDID and Bitstream audio
- Supports 3D signal



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1xHDMI	1xHDMI, 1xTOSLINK, 2xRCA	Compressed 2~7.1CH, LPCM 2~7.1CH	Compressed 2~7.1CH, LPCM 2~7.1CH, Analogue 2CH	32-192kHz	HDMI: 32~192kHz, TOSLINK: 32~48kHz	CLUX-11CD



## □ Audio Splitters / Switches

### 4x10 COAXIAL AND OPTICAL DIGITAL AUDIO SWITCHING SPLITTER

This Coaxial and Optical Switching Splitter allows the switching and distribution of 8 digital audio inputs (4 coaxial and 4 optical) to 20 digital audio outputs (10 coaxial and 10 optical). It supports sampling rates up to 192kHz and formats up to 5.1 multi-channel audio. This easy to use device can provide high quality audio expansion and distribution ideal for any installation.

- Supports 4 Coaxial and 4 Optical (S/PDIF) digital audio inputs
- Supports 10 Coaxial and 10 Optical (S/PDIF) digital audio outputs
- Supports LPCM 2CH audio signal
- Supports sampling rates up to 192kHz

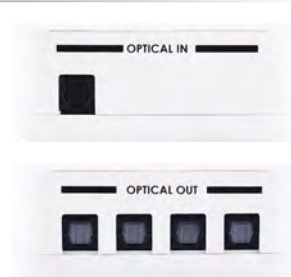


Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
4xCOAX, 4xTOSLINK	10xCOAX, 10xTOSLINK	Compressed 2-5.1CH, LPCM 2CH	Compressed (Bypass), LPCM (Bypass)	32-192kHz	32-192kHz	DCT-31

### 1x4 OPTICAL DIGITAL AUDIO SPLITTER

The DCT-28 can split and distribute a single optical digital audio input to up to four simultaneous optical digital outputs, allowing users to share one optical source to up to four optical sound systems. It's a simple and easy to use tool for distributing a single optical signal to multiple areas or devices.

- Supports one optical input and four optical outputs
- Supports LPCM 2CH audio signal and sampling rates up to 192 kHz
- Supports Dolby Digital and DTS 2/5.1CH audio signals bypass
- Supports S/PDIF sampling rates of 32 kHz to 192 kHz
- Low power consumption



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1x TOSLINK	4x TOSLINK	Compressed 2-5.1CH, LPCM 2CH	Compressed (Bypass), LPCM (Bypass)	32-192kHz	32-192kHz	DCT-28

### AUDIO TO HDMI BRIDGE

The CLUX-11HB is designed to convert analogue or digital audio signals into an HDMI output, allowing easy integration of audio only sources with HDMI distribution systems. This device adds a 'blue-screen' video feed with a simple Onscreen Display (OSD) that shows the current audio input so that any HDMI AV Receiver, display or matrix will accept the audio signal. It supports digital audio sampling rates up to 192 kHz and analogue stereo audio digitalized to sampling rate of 48 kHz.

- Supports Analogue to Digital audio Conversion (ADC)
- Supports optical digital audio sampling rates of 32 kHz to 192 kHz and audio format of LPCM 2CH
- Converts analogue stereo (L/R) audio to digital format with sampling rate of 48 kHz



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1x TOSLINK, 2x RCA	1x HDMI	Compressed 2-5.1CH, Analogue 2CH	Compressed (Bypass), LPCM 2CH	32-192kHz	32-192kHz	CLUX-11HB

### HDMI-ARC TO ANALOGUE AUDIO CONVERTER

The DCT-25 is designed to extract the audio signal from an HDTV's HDMI ARC (Audio Return Channel) connection and convert it to an analogue stereo signal, allowing the connection of an HDTV with HDMI-only output to non-HDMI equipped amplifiers, AV receivers or active speakers. It supports HDMI audio sampling rates up to 192 kHz and analogue stereo (2-CH) audio output.

- Supports Digital to Analogue audio Conversion (DAC)
- Extracts the HDMI audio signal from an HDTV's ARC connection and converts it to an Line-level analogue stereo output
- Supports HDMI audio sampling rates up to 192 kHz
- Supports volume control from the TV's remote control via CEC function



Input	Output	Input Audio Formats	Output Audio Formats	Input Sampling Rates	Output Sampling Rates	Code
1x HDMI	2x RCA	LPCM 2CH	Analogue 2CH	32-192kHz	-	DCT-25





## Audio/Video Selectors

### AV SWITCH BOX WITH REMOTE - YUV

#### STEREO AUDIO & DIGITAL AUDIO

Source select box with four AV inputs. Full bandwidth high definition analogue component YUV video. Stereo audio L/R plus Coax Digital Audio. Front panel cycle switch selects one of four sources. Boosted signals. Includes IR remote control for direct selection. 9V power pack. Attractive black cabinet. Front panel LED Indicators. 235x165x45mm

Code  
YUV411RL



### AV SWITCH BOX WITH AUTO SELECT - CV & SV & YUV

#### AUTOMATIC DELTA SELECT FEATURE COMPOSITE or S-VIDEO or COMPONENT [YUV]

Allows up to 4 A/V signal sources to be connected to one visual device (HDTV). RCA stereo audio and video switching; Composite (1xRCA) Video & S-Video or Component RGB/YUV (\*but not between). Up to High Def TV 1080i resolution. The unique feature to this switch is on sensing a new signal source on any of the 4 inputs, it will switch to that source automatically (Delta Select). Thus it is not necessary for an extra remote control or manual selection.

Code  
YUV100

Not a format or media converter.



### CYPRESS HDTV A/V SWITCH - 4 WAY

#### REMOTE CONTROLLED PROFESSIONAL GRADE

Simply pressing a button on remote control you can select your desired HD/SD source for display on the High-Definition monitor Component(YUV) 3x RCA Analogue switcher. Also switches stereo Audio & Coax Digital. Ideal for home theatre or presentations, etc. High bandwidth performance 650MHz at -3dB Includes IR remote control for direct select. Front panel buttons with LED select indicators. RS-232 interface for control from a distant device. Supports HDTV high resolutions up to 1080p Supports audio S/PDIF (Digital) and L/R (analog). 292(w)x176(d)x48(h) mm Black metal cabinet Professional reliability from www.cypress.com.tw

Code  
CHDD-41AR





## DIGITAL OPTICAL AUDIO SPLITTER x2

### DIGITAL OPTICAL AUDIO SPLITTER

Digital Optical Audio Splitter is designed for the audio signal distribution from one digital optical input to two outputs, using TosLink (Optical Fibre) cables. The Optical Fibre cables connected to both ends of the unit can run up to a range of 5 metres while still able to provide reliable and lossless audio signal transmission. The product is compact and easy to install, which makes it a very handy gadget, recommended for either home or professional audio distribution.



Input	Output	Description	Code
Optical x 1	Optical x 2	Digital Optical Audio Splitter	DT-12

## DIGITAL OPTICAL AUDIO SWITCHER x4

### DIGITAL OPTICAL AUDIO SWITCHER

Digital Optical Audio Switcher box is designed for the audio signal selection from two digital optical inputs to one output, using TosLink (Optical Fibre) cables. The Optical Fibre cables connected to both ends of the unit can run up to 5 metres while still provide reliable and lossless audio signal transmission. The product is compact and easy to install, which makes it a very handy gadget recommended for either home or professional audio switching.



Input	Output	Description	Code
Optical x 2	Optical x 1	2 by 1 Digital Optical Audio Switcher	DT-21
Optical x 4	Optical x 1	4 by 1 Optical Audio Switcher with IR Remote	DCT-17

## MECHANICAL OPTICAL CABLE SELECTOR x3

### TOSLINK SPDIF

Select between three sources. Bi-directional fibre optics link. Positive click selection wheel. All done with mirrors (Passive).

Code  
OPTO-SW3



## STEREO AV SWITCH - LOOSE STYLE

### VIDEO & STEREO AUDIO

Select switch between Three/Four A/V sources quickly and easily. Loose style for direct in-line connections. CVBS+SV has a single S-Video Connection. Includes 3x RCA 1.2M Cable.

Switch	Type	Code
3 Way	CVBS	TP168
3 Way	CVBS+SV	AV31HS
4 Way	CVBS+SV	TP178



## STEREO AV SWITCH BOX 2-WAY

### 2-INPUT & 1-OUTPUT

Two-Way selector switch is a compact, time saving control centre for home entertainment system. Connect two stereo audio/video sources to TV or VCR. RCA phono jack inputs and outputs. Size 135x52x35mm.

Type	Code
2 Ways	AVS2



## STEREO AV SWITCH BOX 4-WAY

### BUILT-IN COMPOSITE & S-VIDEO CONVERSION CIRCUIT

S-Video Compatible 4-Way selector switch. A compact, time saving control centre for home entertainment system. Connect 4 stereo audio/video sources to TV or VCR. RCA phono jack inputs. Outputs RCA phono jack with S-Video sockets. Size 200x110x45mm

Type	Code
4 Ways	AVS4



## STEREO AV SWITCH BOX 4-WAY

### DUAL MONITOR OUT (PASSIVE SPLITTER)

Conveniently adds extra inputs to your TV and/or stereo system. Includes two outputs and also S-Video & CVBS conversion for maximum versatility. Front connections for quick access. Mechanical push button select. 195x50x120mm

Type	Code
4 Way	AV421S







## COMPONENT 4x2 MATRIX

### COMPONENT 4x2 MATRIX

Cypress CCMX-42 is a high performance Component + L/R Audio Matrix with remote control. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources and displays to connect together. Each of the four HDTV audio/video sources can be directed to any one of the two outputs, so two displays can show 2 identical or 2 different sources at the same time. CCMX-42 provides a maximum of 8 possible connection scenarios between sources and displays.

- Provides 4 by 2 matrix input/output of Component (YPbPr/YCbCr) video and L/R audio signal.
- Buffered video and audio output.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Supports high resolution input/output: HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Supports analog stereo L/R audio input and output.
- IR remote control.
- RS-232 control.



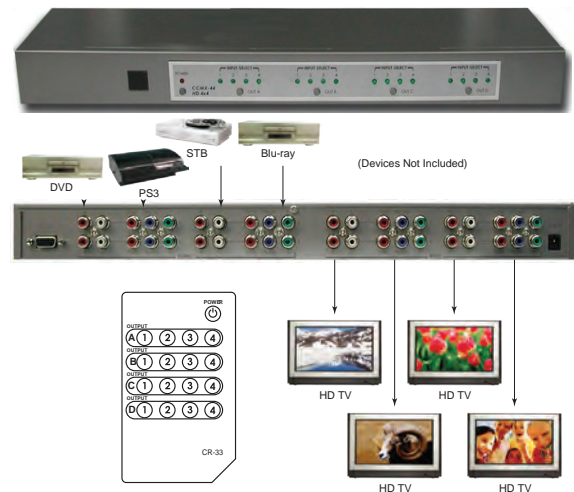
Interface	Compliance	3D	Input	Output	CEC	EDID	Cascade	Max Res.	Chassis.	Description	Code
Component	-	-	4x Component Video	2x Component Video	-	-	-	UXGA/1080p	Metal	Matrix 4x2	CCMX-42

## COMPONENT 4x4 MATRIX

### COMPONENT 4x4 MATRIX

Cypress CCMX-44 is a high performance Component + L/R Audio Matrix with remote control. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources and displays to connect together. Each of the four HDTV audio/video sources can be directed to any one of the four outputs, so four displays can show 4 identical or 4 different sources at the same time. CCMX-44 provides a maximum of 16 possible connection scenarios between sources and displays.

- Provides 4 by 4 matrix input/output of Component (YPbPr/YCbCr) video and L/R audio signal.
- Buffered video and audio output.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Supports high resolution input/output: HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Supports analog stereo L/R audio input and output.
- IR remote control.
- RS-232 control.



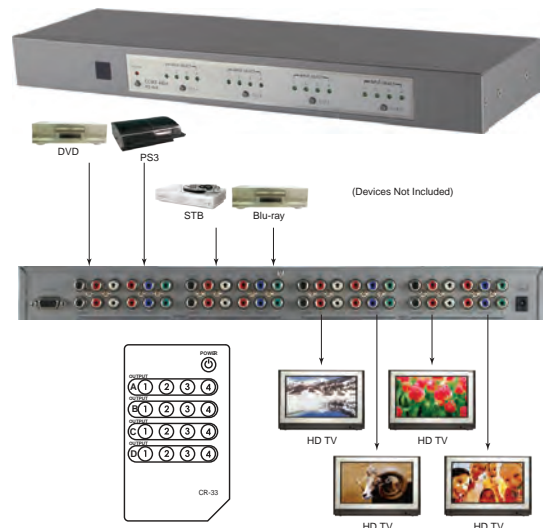
Interface	Compliance	3D	Input	Output	CEC	EDID	Cascade	Max Res.	Chassis.	Description	Code
Component	-	-	4x Component Video	4x Component Video	-	-	-	UXGA/1080p	Metal	Matrix 4x4	CCMX-44

## COMPONENT 4x4 MATRIX WITH DIGITAL AUDIO

### COMPONENT 4x4 MATRIX WITH DIGITAL AUDIO

High performance Component of Digital/Analog Audio with Video Matrix. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources to display. Each of the four HDTV audio/video sources can be directed to any one of the four outputs and or all four displays can show one identical output sources at the same time. It provides a variety of choices on where to play your image with remote controller. Each input can be direct to any/all output. Audio format of Digital or Analog both acceptable.

- Provides 4 by 4 matrix input/output of Component (YPbPr/YCbCr) video and L/R & Coaxial digital audio signal.
- Buffered video and audio output.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Supports high resolution input/output.
- HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Supports analog stereo L/R audio input and output.
- Support Coaxial audio input and output.
- IR remote control.
- RS-232 control.



Interface	Compliance	3D	Input	Output	CEC	EDID	Cascade	Max Res.	Chassis.	Description	Code
Component	-	-	4x Component Video	4x Component Video	-	-	-	UXGA/1080p	Metal	Matrix 4x4 Digital Audio	CCMX-44A



## AV Distribution Splitters

### COMPOSITE VIDEO & AUDIO X4 SPLITTER

#### INPUT

1X Composite Video (RCA)  
1Vpp 75Ω PAL/NTSC/etc.  
Stereo Audio (L&R RCA)

#### OUTPUT

4X Composite (RCA) 1Vpp  
75Ω Buffered 4X Stereo (L&R)

#### SPECIFICATIONS

Video 10MHz Bandwidth 40  
x 125 x 96mm Includes a  
3xRCA Lead Includes 12Vdc  
500mA Full metal enclosure.  
Professional. Reliable

Code

SB3714

### Composite Video & Stereo Audio In



### FOUR X OUT



### S-VIDEO & AUDIO X4 SPLITTER

#### INPUT S-Video (Y/C)

+Stereo Audio (L&R RCA)

OUTPUT is same x4

Buffered for full bandwidth

Connection indicators

Includes power pack.

Code

SB3716



#### Rear Panel



#### Installing:



### COMPONENT HDTV VIDEO & AUDIO SPLITTER X3 WITH DIGITAL & ANALOG AUDIO

6 RCA INPUTS Use either Component, RGsB, RGB/HV\* or  
Composite Video. 3x3 output for composite video (3 different inputs  
with 3 outputs for each input) Analogue RCA\* R/L and Coaxial Digital  
audio. Includes RGB, Composite, Audio R/L RCA cables and Power

#### VIDEO IN/OUT

Component x 1

RGsB x 1

RGBHV x 1

Composite x 3

#### AUDIO IN/OUT

Coaxial x 1

RCA R/L x 1

Description

1x3 HD  
+ Digital  
(Coaxial) +  
Analog (LR)  
Audio

Max Res.

UXGA/1080p

Code

CHDD-3C



### COMPOSITE VIDEO & AUDIO X8 SPLITTER

#### INPUT

1X Composite Video (RCAx1)  
1Vpp 75Ω PAL/NTSC/etc.  
Stereo Audio (L&R RCA)

#### OUTPUT

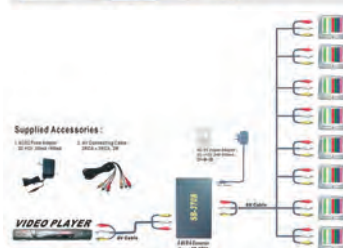
8X Composite (RCA) 1Vpp  
75Ω Buffered 8X Stereo (L&R)

#### SPECIFICATIONS

Video 10MHz Bandwidth 240  
x 140 x 50mm LED display  
indicates which outputs are  
connected! Excellent for  
diagnostics making installing  
easy.

Code

SB3708



### S-VIDEO & AUDIO X8 SPLITTER

INPUT S-Video (Y/C) +Stereo Audio (L&R RCA) OUTPUT is same x8  
Buffered for full bandwidth Connection indicators Includes power pack.

Code

SB3709



### COMPONENT HDTV VIDEO & AUDIO SPLITTER X8 WITH DIGITAL & ANALOG AUDIO

6 RCA INPUTS Use either Component, RGsB, RGB/HV\* or  
Composite Video. 3x3 output for composite video (3 different inputs  
with 3 outputs for each input) Analogue RCA\* R/L and Coaxial Digital  
audio. Includes RGB, Composite, Audio R/L RCA cables and Power

Description

1x8 HD + Digital  
(Coaxial) + Analog  
(LR) Audio

Max Res.

UXGA/1080p

Code

CHDD-8C

#### VIDEO IN/OUT

Component x 1

RGsB x 1

RGBHV x 1

Composite x 3

#### AUDIO IN/OUT

Coaxial x 1

RCA R/L x 1







## SmartView

### VGA SOURCE SELECTOR SWITCH SMARTVIEW

**300MHz 1920x1440px**

Single output VGA Monitor Intelligent video source selector switch with unit connection indication. (Shows if PC is active) Push-button direct select. Quality metal box. 1U High. Supports DDC2AB, 300MHz XUGA 1920x1440, 60Hz All HD15 Female Sockets Requires connection leads



Switch	Code
2 Way	SMV1502
4 Way	SMV1504



### VGA SPLITTER SMARTVIEW

**300MHz 1920x1440px**

Maintains optimum signal quantity. Extends runs up to 65M Wide bandwidth 300MHz Supports DDC2B XGA, 1920x1440 60Hz Male to Female HD15 Includes power pack. Requires cables

Split	Code
1 Way	SMV1101
2 Way	SMV1102
4 Way	SMV1104
8 Way	SMV1108
16 Way	SMV1116



### VGA SELECTOR WITH REMOTE CONTROL

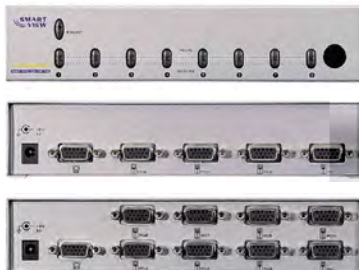
**300MHz 1920x1440px**

Single output VGA Monitor Intelligent video source selector switch with a mini remote control, OSD and auto-cycle features. Front panel LEDs show what is connected and what is selected. Quality metal box. Supports DDC2AB, 300MHz XUGA 1920x1440, 60Hz All HD15 Female Sockets Requires connection leads



**DIRECT SELECT  
AUTO CYCLE  
ON-SCREEN-DISPLAY**

Switch	Code
4 Way	SMV1604
8 way	VRM718R



### VGA SPLITTER - WITH AUDIO SMARTVIEW

**400MHz 2048x1536px**

With 3.5mm Stereo Audio. Premium grade SmartView for optimum VGA quality. Extends runs up to 65M Wide bandwidth 400MHz UXGA, 2048x1536 60Hz Male to Female HD15 + Audio or earphone, etc. Socket to Socket 3.5mm Requires cables.

Split	Code
2 Way	SMV1202
4 Way	SMV1204
8 Way	SMV1208



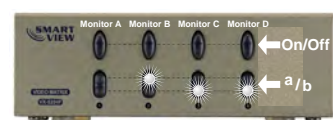
### VGA SELECTOR MATRIX SMARTVIEW

**2 INPUTS / MULTIPLE OUTPUTS**

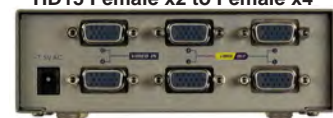
Multiple Sources & Monitors! Each output can be switched between either of two inputs for Intelligent functionality UXGA 1920x1440, 60Hz, 300MHz All HD15 Sockets. Up to 65M. Intuitive front panel push-button & display of selected. Metal cabinet 1U high.



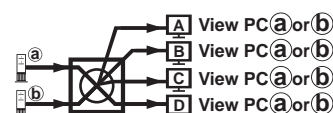
**2/4/8 WAY**



**HD15 Female x2 to Female x4**



Matrix	Code
In(2)Out(2)	SMV1402
In(2)Out(4)	SMV1404
In(2)Out(8)	VX8208
In(2)Out(16)	SMV1416



### VGA SPLITTER 400MHz SWITCHABLE SMARTVIEW

**TURN OUTPUTS ON/OFF**

Front panel indicators show connection signal Each output can be switched on or off. Premium grade analogue for optimum quality. Extends runs up to 65M Wide bandwidth 400MHz UXGA, 2048x1536 60Hz Male to Female HD15 Requires cables

Split	Code
2 Way	SMV1302
4 Way	SMV1304



**400 MHz**



## SmartView

### SMARTVIEW UXGA BOOSTER 65M

Male to Female HD15 250MHz  
UXGA 1920/60Hz

Code  
SMV1101



### SXGA EXTENDER CAT5 SMARTVIEW

This VGA to Cat5 extender set contains one transmitter and one receiver.  
Used for sending VGA signals over Cat5 cable up to 180M.  
Max resolution is 1280 x 1024 @ 60Hz.  
RX/TX Pair with Power supplies included.

Length	Code
180M	SMV101
300M	SMV102



### STEREO 2-WAY AUDIO OVER CAT5 SMARTVIEW

Send/Return for PCs Microphone/Speakers  
This Audio-CAT5 extender set contains one transmitter and one receiver.  
Used for sending stereo audio (line) and mic signals over Cat5 cable up to 180M.  
Supports dynamic or condenser microphones.  
RX/TX Pair with Power supply included.

Length	Code
300M	SMV300



### DVI SELECTOR SWITCH SMARTVIEW

#### SMARTVIEW DVI-I

Resolution to 1280x1024 LED Fascia indicator for connection confirmation and another for selection Push-button direct select DDC-2 for EDID thru-put DVI-I is DVI-D & DVI-A Digital & Analogue boost Standard Cable = 10M Max. All DVI Sockets (Female) SmartView AVlink Silver

Switch	Code
4 Way	SMV4204



### HDMI AV SWITCH AVLINK

#### PUSH BUTTON SELECTOR

HDMI HDCP AVLINK  
480p/720p/1080i All Female  
Sockets Quality, low noise  
Metal cabinet with mechanical  
push switch from A to B. Low  
profile 130x113x30mm box No  
power required

Type	Code
2 WAY	AVS12



### HDMI AV SWITCH AVLINK

#### MECHANICAL SELECTOR

HDMI HDCP AVLINK  
480p/720p/1080i All Female  
Sockets Quality, low noise  
Metal cabinet with mechanical  
rotary switch from A to B.

Type	Code
2 WAY	AVS22
4 WAY	AVS24







## AV Splitters

### CYPRESS SPLITTERS QUICK GUIDE

Input	Output	Compliance	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1xComponent Video	3xComponent Video	-	-	-	-	-	-	-	-	-	-	CHDD-3C
1xComponent Video	8xComponent Video	-	-	-	-	-	-	-	-	-	-	CHDD-8C
1x VGA	3x VGA	-	-	-	-	-	-	-	-	-	-	CPCD-3A
1x SV, 1x CV	3x SV, 3x CV	-	-	-	-	-	-	-	-	-	-	CVSD-3A
1x DVI	2x DVI	V1.0	-	Yes	Yes	-	-	-	-	15M	Yes	CDVI-2S
1x DVI	4x DVI	V1.0	-	Yes	Yes	-	-	-	-	15M	Yes	CDVI-4S
1x DVI	8x DVI	V1.0	-	Yes	Yes	-	-	-	-	15M	Yes	CDVI-8S
1x DVI-DL	2x DVI-DL	-	Yes	Yes	Yes	-	-	-	-	-	Yes	CDVI-2DDS
1x DVI-DL	4x DVI-DL	-	Yes	Yes	Yes	-	-	-	-	-	Yes	CDVI-4DDS
1x DisplayPort	4x DisplayPort	V1.1a	-	-	-	-	-	-	-	-	Yes	CDP-14C
1x DisplayPort	3x DisplayPort	V1.1a	-	-	-	-	-	-	-	-	Yes	CDP-13DPI
1x mDP	3x mDP	V1.1a	-	-	-	-	-	-	-	-	Yes	CMDP-13MDPI
1x SDI	4x SDI	3G	-	-	-	-	-	-	-	100-300M	-	CSDI-14
4x SDI	2x SDI	3G	-	-	-	-	-	-	-	100-300M	-	CSDI-42
4x SDI	4x SDI	3G	-	-	-	-	-	-	-	100-300M	-	CSDI-44
1x HDMI	4x HDMI	V1.2	-	-	Yes	-	-	-	-	25M	Yes	CHDMI-14C
1x HDMI	8x HDMI	V1.2	-	-	Yes	-	-	-	-	25M	Yes	CHDMI-18C
1x HDMI	2x HDMI	V1.2	-	-	Yes	-	-	-	-	15M	Yes	CHDMI-2
1x HDMI	4x HDMI	V1.2	-	-	Yes	-	-	-	-	15M	Yes	CHDMI-4
1x HDMI	8x HDMI	V1.2	-	-	Yes	-	-	-	-	15M	Yes	CHDMI-8
1x HDMI	8x HDMI	V1.2	-	-	Yes	-	-	-	-	25M	Yes	CHDMI-8M
1x HDMI	8x HDMI	V1.2	-	-	Yes	-	-	-	-	15M	Yes	EHD-8
1x HDMI	2x HDMI	V1.3	-	-	Yes	-	-	-	-	6-10M	Yes	CLUX-12CEC
1x HDMI	4x HDMI	V1.3	-	Yes	Yes	-	-	-	-	6-10M	Yes	CLUX-14CEC
1x HDMI	8x HDMI	V1.3	-	Yes	Yes	-	-	-	-	6-10M	Yes	CLUX-18CEC
1x HDMI	4x HDMI	V1.3	-	Yes	Yes	-	-	-	-	-	Yes	CLUX-14EP
1x HDMI	2x HDMI	V1.3	-	Yes	Yes	-	-	-	-	30M	Yes	CLUX-12S
1x HDMI	4x HDMI	V1.3	-	Yes	Yes	-	-	-	-	30M	Yes	CLUX-14S
1x HDMI	8x HDMI	V1.3	-	Yes	Yes	-	-	-	-	30M	Yes	CLUX-18S
1x HDMI	4x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-4
1x HDMI	4x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-4M
1x HDMI	8x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-8
1x HDMI	8x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-8M
1x HDMI	8x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-18EU
1x HDMI	2x HDMI	V1.3	-	-	Yes	-	-	-	-	10-15M	Yes	CLUX12E
1x HDMI	4x HDMI	V1.3	-	-	Yes	-	-	-	-	10-15M	Yes	CLUX-14E
1x HDMI	16x HDMI	V1.3	-	-	Yes	-	-	-	-	10M	Yes	CLUX-16E
1x HDMI	8x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-18E
1x HDMI	4x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10M	Yes	CLUX-14W
1x HDMI	8x HDMI	V1.3	-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-18W
1x HDMI	HDMI x8 / Ethernet x1 / ARC x1	V1.4	-	Yes	Yes	-	-	-	-	-	Yes	CPRO-8MCEC
1x HDMI	2x HDMI	-	Yes	Yes	Yes	-	-	-	-	10M	Yes	CPRO-2E
1x HDMI	4x HDMI	-	Yes	Yes	Yes	-	-	-	-	10M	Yes	CPRO-4E
1x HDMI	8x HDMI	-	Yes	Yes	Yes	-	-	-	-	10M	Yes	CPRO-8E
1x HDMI	16x HDMI	-	Yes	Yes	Yes	-	-	-	-	10M	Yes	CPRO-16E
1x HDMI	4x HDMI	-	Yes	Yes	Yes	-	-	-	-	15M	Yes	CPRO-4ER
1x HDMI	8x HDMI	-	Yes	Yes	Yes	-	-	-	-	15M	Yes	CPRO-8ER
1x HDMI	4x HDMI	-	-	Yes	-	Yes	Yes	-	-	-	Yes	CDPS-14TW
1x HDMI	8x HDMI	-	Yes	Yes	-	-	-	-	-	10-15M	Yes	CLUX-8M3D
1x HDMI	3x HDMI	-	Yes	Yes	-	-	-	-	-	15M	Yes	CLUX-3D12S1A
2x HDMI	10x HDMI	HDMI V1.3	-	Yes	Yes	-	Yes	-	-	30M	Yes	CLUX-210S
1x HDMI	2x HDMI	HDMI V1.4 UHD 9Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	Yes	CPRO-U2T
1x HDMI	4x HDMI	HDMI V1.4 UHD 9Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	Yes	CPRO-U4T
1x HDMI	8x HDMI	HDMI V1.4 UHD 9Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	Yes	CPRO-U8T
1x HDMI	2x HDMI	HDMI V1.4 UHD 9Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	V2.2	CDPS-UA1H2HS
1x HDMI	4x HDMI	HDMI V1.4 UHD 9Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	V2.2	CDPS-UA1H4HS
1x HDMI	2x HDMI	HDMI V1.4 UHD+ 18Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	Yes	CPLUS-V2E
1x HDMI	4x HDMI	HDMI V1.4 UHD+ 18Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	Yes	CPLUS-V4E
1x HDMI	8x HDMI	HDMI V1.4 UHD+ 18Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	Yes	CPLUS-V8E
1x HDMI	10x HDMI	HDMI V1.4 UHD+ 18Gbps	Yes	Yes	Yes	-	-	-	-	5M (4K)	Yes	CPLUS-V10E



Input	Output	Compliance	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	8x CAT6	HDMI V1.3 / DVI 1.0	-	Yes	Yes	-	-	-	-	-	Yes	CLUX-8MCAT
1x HDMI	3x Twin Cat-6 / 1x HDMI	HDMI V1.3 / DVI 1.0	-	Yes	Yes	-	-	-	-	45M	Yes	CLUX-1H4CAT
1x HDMI	7x Twin Cat-6 / 1x HDMI	HDMI V1.3 / DVI 1.0	-	Yes	Yes	-	-	-	-	45M	Yes	CLUX-1H8CAT
1x HDMI, 1x dual CAT6/7	1x HDMI, 1x dual CAT6/7		-	Yes	Yes	-	-	-	-	10-15M	Yes	CLUX-22HC
1x HDMI	1x HDMI, 1x CAT5e/6/7		Yes	Yes	Yes	Yes	Yes	-	-	60M	Yes	CHDBT-1H1CL
1x HDMI	1x HDMI, 1x CAT5e/6/7		Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CHDBT-1H1CPL
1x HDMI	1x HDMI, 3x CAT5e/6/7		Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H3CL
1x HDMI	1x HDMI, 3x CAT5e/6/7		Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H3CPL
1x HDMI	1x HDMI, 7x CAT5e/6/7		Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H7CL
1x HDMI	1x HDMI, 7x CAT5e/6/7		Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H7CPL
1x HDMI	1x HDMI, 1x CAT5e/6/7		Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H1CE
1x HDMI	1x HDMI, 2x CAT5e/6/7		Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H2CE
1x HDMI	1x HDMI, 3x CAT5e/6/7		Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H3CE
1x HDMI	1x HDMI, 7x CAT5e/6/7		Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H7CE
2x HDMI	1x HDMI, 8x CAT5e/6/7		Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-2H8CE
1x dual CAT6/7	1x dual CAT6/7, 3x HDMI		-	Yes	Yes	Yes	Yes	-	-	15M	Yes	CLUX-1CAT4H
1x dual CAT6/7	1x dual CAT6/7, 7x HDMI		-	Yes	Yes	Yes	-	-	-	40M	Yes	CLUX-1CAT8H

## DVI Splitters

### DVI SPLITTERS

#### DVI-D MULTIPLE REPEATER

It accepts DVI signal from a computer or video equipment and splits up to two, identical and buffered outputs. Each of the output can run up to 15 metres using standard DVI cable. It also supports a wide range of input resolution (25~165MHz) from VGA to UXGA. Can be cascaded up to 3 tiers.

- HDCP compliant.
- Universal EDID built-in.
- Supports DVI-D (29-pin) standard connectors.
- DVI DDC (Display Data Channel) link between each output and display is independent.
- LED indicators.
- Supports high resolution input:
- PC: VGA, SVGA, XGA, SXGA and UXGA, &
- HDTV: 480p, 576p, 720p, 1080i and 1080p@60Hz



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
DVI	V1.0	1x DVI	2x DVI	Yes	-	-	Yes	Up to 3	UXGA/1080p	Metal	CDVI-2S
DVI	V1.0	1x DVI	4x DVI	Yes	-	-	Yes	Up to 3	UXGA/1080p	Metal	CDVI-4S
DVI	V1.0	1x DVI	8x DVI	Yes	-	-	Yes	Up to 3	UXGA/1080p	Metal	CDVI-8S

#### 1x2/1x4 DUAL-LINK DVI SPLITTER

The Dual-Link DVI splitter allows a single DVI-D signal to be split into multiple DVI outputs. Supports video resolutions up to WQXGA with Dual-Link DVI or WUXGA with Single-Link DVI. Built-in adaptive equalizer provides long cable support. Intelligent individual control of hot plug detection.

- Supports video resolutions up to WQXGA with Dual-Link DVI or WUXGA with Single-Link DVI
- Built-in adaptive equalizer provides long cable support
- Support EDID function
- Individual control of hot plug detect



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x DVI-DL	2x DVI-DL	Yes	Yes	-	-	Yes	Yes	-	-	Yes	CDVI-2DDS
1x DVI-DL	4x DVI-DL	Yes	Yes	-	-	Yes	Yes	-	-	Yes	CDVI-4DDS





## □ Analogue Splitters

### COMPONENT HDTV DISTRIBUTOR UP TO 1080P/UXGA

#### HDTV DISTRIBUTOR UP TO 1080P/UXGA

CHDD-3C and CHDD-8C are capable of distributing video in 3 different formats and are ideal for use in any analogue video entertainment distribution system.

- Component/composite or RGB distribution amplifier.
- SD video (Composite, YCbCr) and HDTV (YPbPr, RGsB) Input signal.
- Accepts one component input and split the input to 3/8 identical and buffered outputs via RCA connectors.
- When input is composite video, it can connect up to 3 different video sources and output 3/8 identical and buffered signal for each video input.
- It can be used for presentation and home theatre application.
- High bandwidth performance-480MHZ bandwidth at-3dB.
- Worldwide power supply.

Interface	Input	Output	Max Res.	Code
Component	1xComponent Video	3xComponent Video	UXGA/1080p	CHDD-3C
Component	1xComponent Video	8xComponent Video	UXGA/1080p	CHDD-8C



### 1x3 VGA SPLITTER WITH 3.5MM ANALOG AUDIO

Cypress CPCD-3A is a high performance PC/Component distributor with stereo audio. It is designed to connect one PC or HDTV signal source with audio to 3 PC or HDTV displays.

- Supports either PC (RGB) or HDTV (YPbPr) input signal
- Accepts one PC or HD component input and split it into 3 buffered and identical outputs
- Supports stereo audio input and split it to 3 identical outputs via 3.5mm mini-stereo connector
- High video signal bandwidth (480MHz/-3dB) supports PC/HDTV resolution up to UXGA/1080p
- Ideal for presentation and home theatre application
- Plug and play, easy to install



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x VGA	3x VGA	-	-	-	-	-	-	-	-	-	CPCD-3A

### 1x3 SV/CV SPLITTER WITH 2-RCA ANALOG AUDIO

The CVSD-3A is the combination of a 1x3 CV and 1x3 SV Distribution amplifier with stereo. It accepts one CV and one SV input at the same time and delivers 3 buffered and isolated outputs for each of the CV and SV input. When the CV and SV come from the same source, the CVSD-3A becomes a 1-in 6-out distributor.

- Connects up to 3 Composite Video or S-Video displays
- Bandwidth supports 10MHz (-3dB)
- LED power indicator
- Worldwide power supply



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x SV, 1x CV	3x SV, 3x CV	-	-	-	-	-	-	-	-	-	CVSD-3A



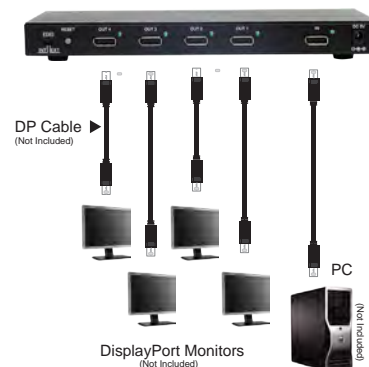
## □ DisplayPort Splitters

### 1 BY 4 DISPLAYPORT

#### 4 WAY SPLITTER

The DisplayPort (DP) 1 by 4 splitter allows single DP source to be display on four DP input monitors simultaneously. It supports video resolution up to 2560 x 1600 and audio up to PCM 7.1 switch provides a fast switch between source and display and save EDID's reading sink time to allow image display properly. The DP 1 by 4 splitter is an ideal device for your DP source to multi display.

- Supports resolution up to 2560 x 1600.
- Supports audio up to PCM 7.1
- Supports EDID switch and setting.



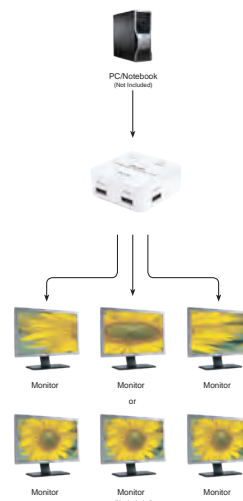
Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
DisplayPort	V1.1a	1x DisplayPort	4x DisplayPort	-	-	Yes	Yes	-	2560x1600	Metal	CDP-14C

### 1 BY 3 DISPLAYPORT DIVIDER / SPLITTER

#### 1 IMAGE DIVIDED OVER 2 OR 3 MONITORS OR THE SAME IMAGE OVER 2 OR 3 MONITORS

For those who want to display large content the 1x3 DisplayPort Extender Splitter is for you. Able to extend an image onto 2 or 3 displays, this device is perfect for multi-tasking, but can also split an image so the same image is repeated on up to three connected displays. This 1 by 3 DisplayPort Extender Splitter allows users to enjoy images or video in HD resolution up to 1920 x 1200 on multiple monitors from a single digital output port. The 1 by 3 DisplayPort Extender Splitter is a useful device for extending displays and splitting images.

- Supports DisplayPort v1.1a, VESA DDM Standard,
- HDCP v1.3 and EDID v1.4
- Supports link rates of 2.7Gbps (HBR) and 1.62Gbps (RBR) from the source.
- Fully HD compatible and provides full display performance with zero lag and no display application limitations
- Does not require software updates.
- Quality Lab (WHQL) testing/qualification.
- Supports output resolutions up to 1920 x 1200.
- Works with any computers which have a DisplayPort output port.
- Provides exceptional Secured Content Protection with HDCP 1.3 for digital content including video and audio.
- Plug and Play.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
DisplayPort	V1.1a	1x DisplayPort	3x DisplayPort	-	-	Yes	Yes	-	1920 x 1200	Plastic	CDP-13DPI
DisplayPort Mini	V1.1a	1x mDP	3x mDP	-	-	Yes	Yes	-	1920 x 1200	Plastic	CMDDP-13MDPI

## □ 3G-SDI Splitters

### 1x4 3G-SDI SPLITTER

The 3G-SDI splitters and switchers allows SD-SDI, HD-SDI and 3G-SDI signals to be split from a single SDI source to up four simultaneous SDI outputs while ensuring high bit rates of 2.970 Gbit/s to give you high bandwidth signal transmission without signal loss over long distances.

- Split one 3G-SDI input source to four 3G-SDI displays simultaneously
- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Provides equalized and re-clocked transmission
- Supports signal input and output distances of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals



Input	Output	Code
1x SDI	4x SDI	CSDI-14
4x SDI	2x SDI	CSDI-42
4x SDI	4x SDI	CSDI-44





## HDMI Splitters

### HDMI V1.2 DISTRIBUTION AMPLIFIER EDID HDCP

#### PROFESSIONAL GRADE FOR HIGH QUALITY AND LONG CABLE RUNS

Cypress CHDMI-14C is a high performance HDMI distribution amplifier, Full HD 1080p supported with 25m output range. It allows one HDMI source to connect up to 4 HDMI displays simultaneously.

- Built-in EDID simulator and HDCP keyset allows each output to work independently in connecting to a HDMI display.
- Splits a HDMI source up to 4 outputs without signal loss.
- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480p to 1080p. Maximum resolution bandwidth is 165MHz.
- Multi-channel I2S digital audio output, with sampling rate up to 192KHz.
- Support both compressed and uncompressed multi-channel audio.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.2	1x HDMI	4x HDMI	-	-	Yes	Yes	-	UXGA/1080p	Metal	CHDMI-14C
HDMI	V1.2	1x HDMI	8x HDMI	-	-	-	Yes	-	UXGA/1080p	Metal	CHDMI-18C

### HDMI V1.2 SPLITTER

#### HDCP KEYSET & CASCADABLE

Cypress CHDMI-2 is a high performance HDMI distribution amplifier. It allows one HDMI source to connect up to 2/4/8 HDMI displays simultaneously.

- Built-in EDID simulator and HDCP keyset allows each output to work independently when connecting to a HDMI display.
- Splits a HDMI source up to 2/4/8 outputs without signal loss.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480p to 1080p. Maximum resolution bandwidth 165MHz.
- Cascaded up to 3 layers, or more depending on your cable quality.
- Each of the buffered output can run up to 15 Metres @1600x1200.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.2	1x HDMI	2x HDMI	-	-	-	Yes	Up to 3	UXGA/1080p	Metal	CHDMI-2
HDMI	V1.2	1x HDMI	4x HDMI	-	-	-	Yes	Up to 3	UXGA/1080p	Metal	CHDMI-4
HDMI	V1.2	1x HDMI	8x HDMI	-	-	-	Yes	Up to 3	UXGA/1080p	Metal	CHDMI-8
HDMI	V1.2	1x HDMI	8x HDMI	-	Yes	Yes	Yes	Up to 3	UXGA/1080p	Metal	CHDMI-8M

### HDMI V1.2 SPLITTER AMPLIFIER

High performance HDMI distribution amplifier. It allows one HDMI source to connect up to 4 HDMI displays simultaneously.

- Solid and durable metal housing with all connectors lined up in one side.
- Built-in HDCP keysets allows each output to work independently.
- Splits a HDMI source up to 4 outputs at 1080p without signal loss.
- Supports DVI source and DVI display by using adaptor cable.
- Supports a wide range of PC and HDTV resolutions, from VGA to UXGA and 480p to 1080p. Maximum resolution bandwidth-165MHz.
- Can be cascaded for more outputs.
- Each of the buffered output can run up to 15M @ 1600x1200, or 1080p.
- Support multi-channel compressed & uncompressed HDMI audio.
- Full HDCP compliant.
- Enhance function for signal pre-emphasis.
- Fast handshaking reduces pre-picture blackout time to 5 seconds.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.2	1x HDMI	8x HDMI	-	-	-	Yes	-	UXGA/1080p	Metal	EHD-8



## HDMI V1.3 SPLITTER

### HDMI V1.3 SPLITTER

From a single HDMI source you can transfer Deep Colour (10-bit and 12-bit) video and new lossless compressed digital audio with high bandwidth up to 225MHz (6.75Gbps) to 2/4/8 HDMI outputs. Besides splitting and distributing, it also does signal amplification and equalization, providing high I/O performance on both audio and video.

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- Deep colour video up to 12bit, 1080p@ (24/60)Hz.
- Simultaneously displays one HDMI source onto eight HDMI displays.
- HDCP keysets allow each output to work independently.
- Supports DVI source/display via HDMI to/from DVI adaptor cable.
- LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus, DTS-HD Audio.
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- 1080p/8bits resolution: the Input/Output source up to 10/10 metres.
- Supports EDID bypass, xvYCC and CEC bypass.
- CEC function support.
- System standby will be activated when last TV is switched to standby.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.3	1x HDMI	2x HDMI	-	Yes	-	Yes	-	UXGA/1080p	Plastic	CLUX-12CEC
HDMI	V1.3	1x HDMI	4x HDMI	Yes	Yes	Yes	Yes	-	UXGA/1080p	Metal	CLUX-14CEC
HDMI	V1.3	1x HDMI	8x HDMI	Yes	Yes	-	Yes	-	UXGA/1080p	Metal	CLUX-18CEC

## HDMI V1.3 SPLITTER

### 4 WAY SPLITTER WITH 2CH / MULTI-CH EDID SELECT SWITCH

This HDMI Splitter is the most advanced solution to HDMI signal distribution. Each product in this series is compliant with HDMI v1.3 and HDCP v 1.1 specifications. It allows one HDMI source to connect up to four HDMI displays simultaneously.

- HDCP1.3 and DVI1.0 compliant.
- Splits a HDMI source up to four outputs at 1080p without signal loss.
- Supports DVI source and DVI display by using an adaptor lead.
- PC and HDTV resolutions, from VGA to UXGA and 480p to 1080p.
- Supports Deep colour video 10bit, 1080p@60Hz.
- Signal Enhancement feature allows you to improve signal quality after long distance transmission.
- Support multi-channel compressed and uncompressed HDMI audio.
- Enhanced function for signal pre-emphasis.
- Audio EDID button for 2 channels and multi channels supports.
- In cases where the sources are supports multi channels and displays only supports 2 channels. Switch the audio EDID to 2 channels.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.3	1x HDMI	4x HDMI	Yes	-	-	Yes	-	UXGA/1080p	Plastic	CLUX-14EP

## HDMI 1.3 SPLITTER HDCP

### HDCP KEYSETS - LONG DISTANCE RUNS 30M - CASCADABLE

The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep Colour (10-bit and 12-bit ) video and new lossless compressed (Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video. Each of the buffered output can run up to 30 metres and can be cascaded.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant Receiver.
- Deep colour video up to 12 bit, 1080p@60Hz.
- One HDMI source to connect to one HDMI display simultaneously.
- HDCP keysets allows each output to work independently when connecting to a HDMI display.
- Split a HDMI source to one output without signal loss.
- Supports DVI source and DVI display by using adaptor cable.
- Dolby® Digital, DTS digital audio transmission (32-192 kHz).
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance test with 1080p resolution.
- Input/Output source can run up to 30M.
- Full HDCP Compliant.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.3	1x HDMI	2x HDMI	Yes	Through	-	Yes	-	UXGA/1080p	Metal	CLUX-12S
HDMI	V1.3	1x HDMI	4x HDMI	Yes	Through	Yes	Yes	-	UXGA/1080p	Metal	CLUX-14S
HDMI	V1.3	1x HDMI	8x HDMI	Yes	Through	Yes	Yes	-	UXGA/1080p	Metal	CLUX-18S





## HDMI 1.3 SPLITTER 2 OR 4 WAY

### BUILT-IN EDID TO SOLVE DISPLAY RESOLUTION PROBLEMS

The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible with HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep Colour (10-bit and 12-bit) video and new lossless compressed (Dolby®, True HD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also amplifies signal, provides high performance I/O of audio and video.

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant
- Supports Deep colour video up to 12bit, 1080p@ (24/60)Hz.
- One HDMI source to connect up to four HDMI displays simultaneously.
- HDCP keysets allows each output to work independently.
- Splits a HDMI source up to four outputs without signal loss.
- Supports DVI source and DVI display by using adaptor cables.
- LPCM 7.1CH, Dolby®, True HD, Dolby® Digital Plus and DTS-HD Master Audio
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance test with 1080p/8bits resolution the, Input/Output can run up to 15/15 metres. 1080p/12bits the Input/Output can run 10/15 metres.
- Selects EDID from TV mode or STD mode (this splitter).
- Supports CEC bypass.



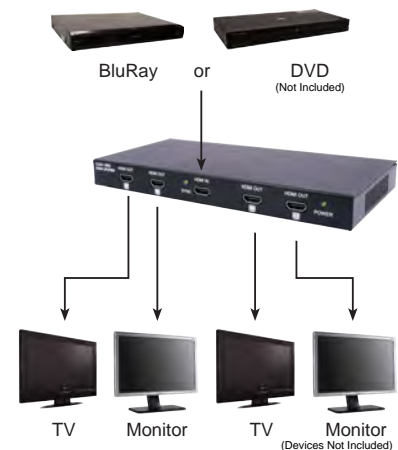
Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.3	1x HDMI	4x HDMI	Yes	Through	Yes	Yes	-	UXGA/1080p	Metal	CLUX-4
HDMI	V1.3	1x HDMI	4x HDMI	Yes	Yes	Yes	Yes	-	UXGA/1080p	Metal	CLUX-4M
HDMI	V1.3	1x HDMI	8x HDMI	Yes	Through	Yes	Yes	-	UXGA/1080p	Metal	CLUX-8
HDMI	V1.3	1x HDMI	8x HDMI	Yes	Yes	Yes	Yes	-	UXGA/1080p	Metal	CLUX-8M

## HDMI V1.3 SPLITTER 8 WAY

### EXCELLENCE IN SIMPLICITY - FULLY AUTOMATIC & COMPLIANT - 3D COMPATIBLE

Compatible with HDMI v1.3 which defines the ability to transfer 3D content, Deep Colour video and new lossless compressed digital audio, this device also amplifies and equalises your signals to provide high performance I/O of audio and video distribution. Cascade up to 10 layers to extend and distribute the HD 1080p in 8 bit colour signal without loss or delay. (Higher colour definitions will restrict cable lengths & cascade depths).

- HDMI v1.3, HDCP1.1 and DVI1.0 compliant receiver.
- Deep colour video up to 12bits, 1080p@24/60Hz.
- Allows one HDMI source to simultaneously connect with up to eight HDMI displays.
- HDCP keysets allows each output to work independently and quickly.
- Transmits an HDMI source to eight outputs without any signal loss.
- Supports DVI source/display by using and HDMI/DVI adaptor cable.
- LPCM 7.1CH, Dolby®, True HD, Dolby Digital Plus and DTS-HD master audio.
- Supports PC and HDTV resolutions from VGA to WUGA and 480i to 1080p.
- HDMI cable distance testing showed that with 1080p/8 bits resolution, the input source can be 15 metres away and with 1080p/12 bits it can be 10 metres away.
- HDMI cable distance testing showed that with 1080p/8 bits resolution, the output source can be 15 metres away, and with 1080p/12 bits it can be 15 metres away.



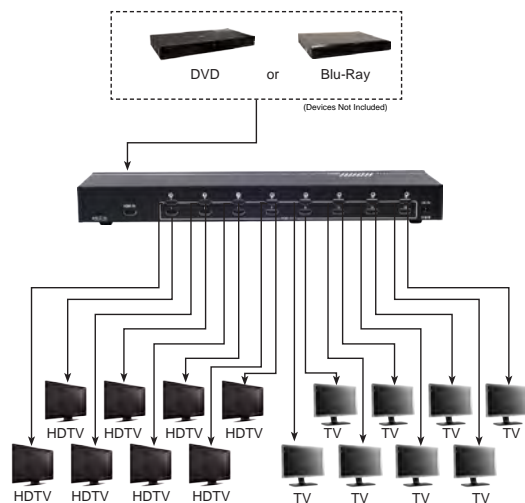
Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.3	1x HDMI	8x HDMI	Yes	Yes	Yes	Yes	Yes	1080p	Metal	CLUX-18EU

## HDMI V1.3 SPLITTER 4 / 8 OR 16 WAY

### HDMI V1.3 DISTRIBUTION

The HDMI splitter is capable of handling HDMI v1.3 and with support for Deep Colour video and new lossless compressed digital audio. It also amplifies and equalised your signals offering unparalleled I/O of audio and video. With extra features like EDID and CEC, this splitter is able to handle all your HDMI splitting needs.

- Compliant with HDMI 1.3, HDCP 1.1 and DVI 1.0
- Deep Colour Video up to 12bits, 1080p@ (24/60)Hz.
- One HDMI source connect up to sixteen HDMI display simultaneously.
- HDCP keysets allows each output to work independently.
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.
- LPCM 7.1Ch, Dolby®, True HD, Dolby® Digital Plus and DTS-HD Master Audio.
- Supports PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance tested with 1080p/8 bits resolution the I/O source can up run up to 15M/15M. If 1080p/12 bits the I/O source can run up to 15M/10M.
- Supports EDID functionality. The unit will detect the first HDMI/DVI output source's EDID and record in the unit. If the first detected output source is empty it will pass to next source, until the first HDMI/DVI been detected. When user reconnect all the output sources or re-plug the power, the system will automatically recover the EDID.
- Support xvYCC. Support CEC bypass.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.3	1x HDMI	2x HDMI	-	Bypass	Yes	Yes	-	1080p	-	CLUX12E
HDMI	V1.3	1x HDMI	4x HDMI	-	Yes	Yes	Yes	-	1080p	Metal	CLUX-14E
HDMI	V1.3	1x HDMI	16x HDMI	-	Yes	Yes	Yes	-	1080p	Metal	CLUX-16E
HDMI	V1.3	1x HDMI	8x HDMI	Yes	-	-	Yes	-	UXGA/1080p	Metal	CLUX-18E



## HDMI V1.3 SPLITTER (WALL MOUNT)

### HDMI V1.3 SPLITTER (WALL MOUNT)

The HDMI v1.3 Splitter is an advanced solution for HDMI signal distribution. This device supports deep colour (10 & 12-bit) video with new lossless compressed (Dolby®, True HD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides just splitting and distributing, this device also amplifies and equalises your signal to provide high performance I/O of audio and video. With great features like EDID, CEC and system reset this device will fully support your HDMI splitting needs.

- HDMI v1.3, HDCP1.1 and DVI1.0 compliant .
- Supports Deep Colour video up to 12bit, 1080p(24/60Hz).
- One HDMI source can simultaneously connect with four HDMI displays.
- HDCP keysets allow each output to work independently
- Splits an HDMI source on up to four outputs without any signal loss.
- Supports DVI source by using an HDMI to/from DVI adaptor cable.
- LPCM 7.1CH, Dolby® True HD, Dolby® Digital Plus, DTS-HD Master
- Audio transmission (32-192kHz Fs sample rate).
- PC and HDTV resolutions from VGA to WUXGA and 480i to 1080p.
- HDMI cable distance testing showed that with 1080p/8bit resolution, the input distance is 15 M. If 1080p/12bit, the input distance is 10 M.
- HDMI cable with 1080p/8bit resolution, output distance up to 10M
- If 1080p/12bit, the output distance can be up to 15 metres.
- EDID function. This unit is designed to detect the first HDMI/DVI output display's EDID and record it in the unit. If the first detected output is empty it will pass on to the next output until the first HDMI/DVI display has been detected. When users re-plug the power, the system will automatically recover the EDID.
- Supports xvYCC and CEC bypass.
- Switch Reset button on to restore the system every 8-10mins.
- Buttons for EDID settings allow for fast recognition between source and display.



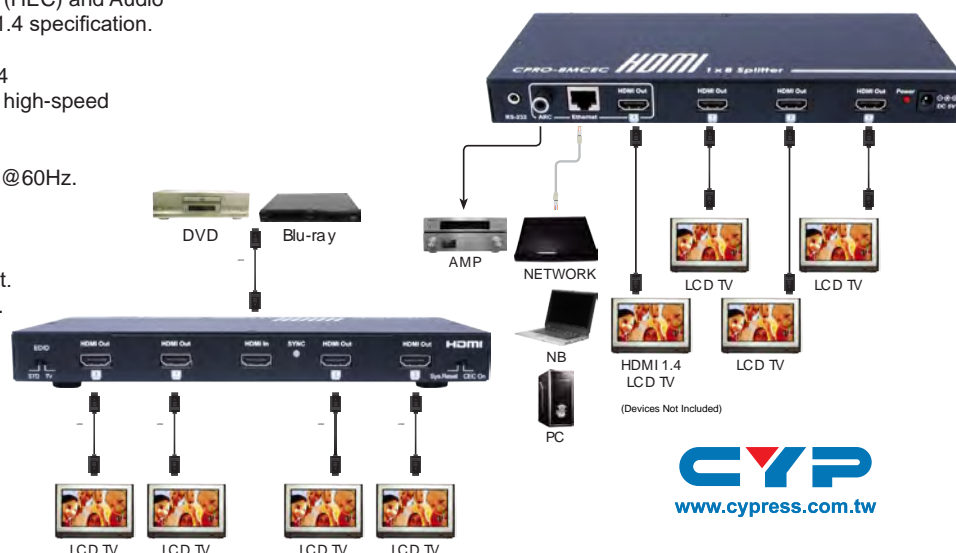
Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.3	1x HDMI	4x HDMI	Yes	Yes	Yes	Yes	-	WUXGA/1080p	Wall/Metal	CLUX-14W
HDMI	V1.3	1x HDMI	8x HDMI	Yes	Yes	Yes	Yes	-	UXGA/1080p	Wall/Metal	CLUX-18W

## HDMI SPLITTER WITH ETHERNET INJECT & CEC FUNCTIONS

### HDMI ETHERNET CHANNEL (HEC) - 3D - CONSUMER ELECTRONICS CONTROL (CEC) - AUDIO RETURN CHANNEL (ARC)

This is a high performance one input & eight outputs HDMI splitter that supports 3D and individual CEC control functions. One out of the eight outputs port supports Audio Return Channel (ARC) and HDMI Ethernet Channel (HEC). The ARC provides an S/PDIF link from an HDMI™ sink and output through ARC port to AVR to get true audio from the sink. The HEC feature adds a connection to the HDMI link that is capable of carrying the same data as a full duplex, 100Mbps Ethernet connection. Using an HDMI with HEAC cable allowing for convenient integration of Digital Televisions (DTVs) into the end user's home network system.

- Support multiplexed HDMI 1-input and 8-output.
- Output port 4 supports Ethernet Channel (HEC) and Audio Return Channel (ARC) follow by HDMI v1.4 specification.
- HDMI 1.4 support.
- Audio Return Channel (ARC) 3D, CEC1.4
- HDMI Ethernet Channel (HEC), enabling high-speed networking.
- HDCP repeater support.
- Deep Colour support 36/30/24-bit, 1080p@60Hz.
- EDID can selected standard or TV EDID.
- Support System reset or CEC on switch.
- Audio support: HDMI 1.4 compatible
- Dolby®. True HD, DTS-HD Master Audio.
- Full audio input and output support.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	V1.4	1x HDMI	HDMI x8 / Ethernet x1 / ARC x1	Yes	Yes	Yes	Yes	-	1080p	Metal	CPRO-8MCEC





## 1x2/1x4/1x8/1x16 4K UHD HDMI SPLITTER

The CPRO-16E/CPRO-8E/CPRO-4E/CPRO-2E distributes one HDMI input to up to sixteen simultaneous HDMI outputs and supports 4K2K, 3D, 12-bit Deep Colour as well as High Definition Lossless Audio. With its 3Gbps bandwidth it supports the latest HDMI standards.

- HDMI and DVI compatible
- Fully HDCP compliant
- Supports 3D
- Supports HDTV resolutions up to 4K2K@30 Hz
- Supports PC Resolutions of VGA to WUXGA
- Supports 1080p@60 Hz, Deep Colour 12-bit
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports HDMI cable distances of up to 10m input and 10m output (8/12-bit)



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x HDMI	2x HDMI	Yes	Yes	-	-	Yes	Yes	Bypass	Yes	Yes	CPRO-2E
1x HDMI	4x HDMI	Yes	Yes	-	-	Yes	Yes	Bypass	Yes	Yes	CPRO-4E
1x HDMI	8x HDMI	Yes	Yes	-	-	Yes	Yes	Bypass	Yes	Yes	CPRO-8E
1x HDMI	16x HDMI	Yes	Yes	-	-	Yes	Yes	Bypass	Yes	Yes	CPRO-16E

## PREMIUM 1x4/1x8 4K UHD HDMI SPLITTER

4K professional HDMI splitter for distributing a single HDMI input to multiple simultaneous HDMI outputs. Supports 4K , 3D, 12-bit 'Deep colour' video as well as High Definition Lossless Audio. 9Gbps bandwidth.

- Supports HDTV resolutions up to 4K2K@30 Hz
- HDMI and DVI compatible
- Supports 1080p@60Hz, Deep Colour 12-bit
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports 3D signals
- Supports CEC System Reset and EDID selection functions



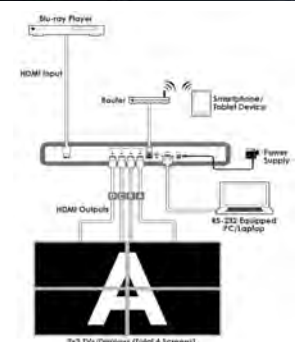
Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x HDMI	4x HDMI	Yes	Yes	-	-	Yes	Yes	System Reset	Yes	Yes	CPRO-4ER
1x HDMI	8x HDMI	Yes	Yes	-	-	Yes	Yes	System Reset	Yes	Yes	CPRO-8ER

## 1x4 HDMI FULL HD SEAMLESS QUAD SPLITTER

"This HDMI Video Wall Controller allows a single HDMI source to be displayed on up to 4 HDMI displays (TV or monitor) and/or cascade to additional units to extend the number of displays in the video wall configuration. The user-friendly PC control application allows full control over single or multiple devices in a Video Wall control system, including picture adjustment and full bezel correction. It supports video resolutions up to WUXGA@60Hz (RB) and 1080p@60Hz, audio formats up to 7.1CH LPCM at 192kHz sampling rate dependent upon the source devices resolution capabilities. All operation and control can be done via IP (Telnet/PC application) and RS-232 commands.

Note: Please always uninstall / remove the old version of TV Wall Set software application, before install the new version."

- HDMI, HDCP1.1 and DVI compliant
- Output a single source image to 4 displays (in a 2 by 2 Video Wall configuration) with adjustable Bezel Correction
- Cascade/Bypass the HDMI signal up to as many units as required, increasing the number of displays in the MxN Video Wall
- Supports Input resolutions of VGA~WUXGA and 480i~1080p
- Supports IP (Telnet/PC Application) and RS-232 control
- Supports Output resolutions 720p@50/60Hz, 1080p@50/60Hz and several PC timings
- Supports different input resolutions and output resolutions selectable using PC application (Factory default settings of the output signal are 720p@60Hz video and LPCM 2CH audio)
- Supports pass-through of audio formats: LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH, Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x HDMI	4x HDMI	-	-	-	-	Yes (Input)	Yes	-	Yes	Yes	CDPS-14TW



## 1x8 HDMI 3D SPLITTER

With eight HDMI outputs and capable of distributing 3D content the HDMI 1 by 8 splitter is a forward looking device that helps you handle futuristic technology today. Compatible with HDMI which defines the ability to transfer 3D content, Deep Colour (10-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, this device doesn't merely handle splitting and distributing, far from it, it also amplifies and equalizes your signals to provide high performance I/O of audio and video.

- Supports 3D content with an LED indicator to indicate if the video is in standard definition or 3D
- Allows one HDMI source to simultaneously connect with up to eight HDMI displays
- HDCP keysets allows each output to work independently when connected to an HDMI display
- Transmits an HDMI source to eight outputs without any signal loss
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA and 480i to 1080p
- HDMI input/output cable distance supports 15/15m at 1080p/8-bit, 10/15m at 1080p/12-bit



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x HDMI	8x HDMI	-	Yes	-	-	Yes	Yes	System Reset	Yes	Yes	CLUX-8M3D

## 1x2 HDMI 3D SPLITTER WITH HDMI OUTPUT FULL HD + 1x AUDIO-ONLY

The 1 by 2 HDMI Splitter with integrated audio is fully compliant with HDMI and allows the output from any HDMI equipped device to be split allowing connection to up to two HDTV displays e.g. an LCD TV and a projector in the same room. The third HDMI output is an audio with blue screen output, which means it can be connected to an AV Receiver that does not support 3D signals.

- Deep Colour video up to 12-bit, 1080p@24/60 Hz
- One HDMI source to connect up to two HDMI displays simultaneously
- One audio-only HDMI output connected to an AVR
- Splits an HDMI source to two outputs without signal loss
- Supports LPCM 7.1CH, Dolby Digital and Dolby Digital Plus Audio transmission (32–192 kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA and 480i to 1080p
- HDMI cable distance supports up to 15m at 1080p/8-bit or 12-bit resolution
- Detects the video's EDID information based on HDMI OUT 1 and the audio's EDID based on HDMI OUT 3



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x HDMI	3x HDMI	-	Yes	-	-	Yes	Yes	Bypass	-	Yes	CLUX-3D12S1A

## □ HDMI Over CAT6 Splitter

### 1x4/1x8 DUAL CAT6/7 TO HDMI SPLITTER

This 1 by 4 and 1 by 8 CAT6/7 to HDMI splitter allow users to distribute an HDMI source to multiple HDMI displays located in a distance location through the DEMI output ports, and providing a way to send a single source to multiple screens. Furthermore, it can also connect to another CAT6/7 splitter through the CAT6/7 output port to allow you to reach more displays. Long distances transmission over CAT6/7. The CAT6/7 to HDMI splitter also incorporates additional functions like EDID, System Reset, Deep colour and IR systems, etc.

- Deep colour video 12-bit, 1080p@60 Hz
- HDCP keysets allows each output to work independently
- LPCM 7.1CH, Dolby True HD, Dolby Digital Plus and DTS-HD Master Audio
- Supports PC and HDTV resolution from VGA to UXGA and 480i to 1080p
- Selects EDID from TV mode or STD mode
- CEC Bypass
- IR remote control extender



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x dual CAT6/7	1x dual CAT6/7, 3x HDMI	-	Yes	-	-	Yes	Yes	Bypass	Yes	Yes	CLUX-1CAT4H
1x dual CAT6/7	1x dual CAT6/7, 7x HDMI	-	Yes	-	-	Yes	Yes	Bypass	Yes	Yes	CLUX-1CAT8H





## HDMI OVER CAT6 TRANSMITTER SPLITTER

### SINGLE HDMI SOURCE TO 8X CAT6

1 by 8 HDMI v1.3 to single CAT6 Splitter can simultaneously distribute a single HDMI source to eight displays when connecting with a CAT6 to HDMI receiver. Efficient and cost effective way to link your displays, distribute HDMI signal at their full strength and at great distances. Supports 3D signals with 3D LED indicator.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Deep colour video up to 12 bits, 1080p@60Hz.
- One HDMI source to eight CAT6 output allows users to simultaneously link eight displays with eight CAT6 to HDMI receivers.
- Transmit a single HDMI source through eight outputs no signal loss.
- LPCM 7.1Ch, Dolby True HD, Dolby Digital Plus and DTS-HD.
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA (1920 x 1200) and 480i to 1080p.
- Selectable EDID from either the TV or STD mode.
- Deep colour setting of 8 bits or 12 bits.
- Supports 3D signals with an LED indicator.



Description	Interface	Compliance	Input	Output	CEC	EDID	HDCP	Max.	Code
1 by 8 HDMI Over 1x CAT6 Splitter	TX x8 Out	HDMI V1.3 / DVI 1.0	1x HDMI	8x CAT6	-	Yes	Yes	45M (8bit)	CLUX-8MCAT

## HDMI TO TWIN CAT6 TRANSMITTER - CAT6 SPLITTER

### HDMI IN TO MULTIPLE TWIN CAT6 OUT

HDMI to CAT6 1.3 splitter when used with CAT6 to HDMI receivers it will allow user to distribute a HDMI over CAT6 cables up to 45 metres. This solution provides a direct input of one HDMI to a looped output of HDMI and 3/7 CAT6 outputs - a smart way to link and display a single source to 4/8 different screens simultaneously. Alternatively, the HDMI output can also be treated as an extender to connect to another HDMI splitter or cascade with other unit in multiple layers. This unit allows user to transmit HDMI signal via CAT6 without compression over long distance. The HDMI to CAT6 splitter also incorporates functions like EDID, System Reset, Deep colour and IR systems.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant. Deep colour video up to 12 bit, 1080p@60Hz.
- Allows users to link up to four or eight displays.
- HDCP keysets allows each output to work independently connected to a HDMI display.
- Supports both DVI source/display by using HDMI to/from DVI adaptor cable.
- LPCM 7.1CH, Dolby True HD, Dolby Digital Plus and DTS-HD Master Audio.
- Supports PC and HDTV resolutions from VGA to SXGA and 480i to 1080p.
- Selects EDID from TV mode or STD mode
- IR remote control extender
- IR receiver and transmitter included
- CEC Bypass.



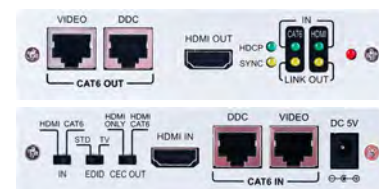
Includes remote control receiver and transmitter units. Use with CH106, CH1106, CLUX22HC, CLUX-4/8H1CAT.

Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	3x Twin Cat-6 / 1x HDMI	-	Yes	Yes	-	-	-	-	45M	Yes	CLUX-1H4CAT
1x HDMI	7x Twin Cat-6 / 1x HDMI	-	Yes	Yes	-	-	-	-	45M	Yes	CLUX-1H8CAT

## HDMI AND DUAL CAT6/7 SWITCHING SPLITTER

The HDMI/CAT6 to HDMI/CAT6 Splitter is the most advanced solution for HDMI and Video/DDC signal distribution. This CAT6 output port can be easily connected to an HDMI receivers CAT6 input port to allow a stable connection between an HDMI source and any compatible display. Each product in this series is compatible to HDMI which defines and supports the transfer of Deep Colour (10bit and 12bit) video and a new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio signal, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the Video/DDC CAT6 output also does signal amplification and equalization which provide high performance I/O of audio and video.

- Deep colour video 12 bit 1080p@60Hz
- Simultaneously 1x HDMI & TWIN CAT6 source to 1x HDMI & TWIN CAT6 output
- HDCP keysets allows each output to work independently
- Supports LPCM7.1CH, Dolby True HD, Dolby Digital Plus and DTS-HD Master Audio
- Supports PC and HDTV resolutions from VGA to WUXGA
- and 480i to 1080p



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
1x HDMI, 1x dual CAT6/7	1x HDMI, 1x dual CAT6/7	-	Yes	-	-	Yes	Yes	Bypass	Yes	Yes	CLUX-22HC



## □ HDBaseT Splitters

### 1x2 HDMI OVER HDMI AND CAT5e/6/7 SPLITTER

The CHDBT-1H1CL can split and distribute a single HDMI input and 2-way IR or RS-232 control to a single CAT5e/6/7 output and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4K2K timing, 3D and multi-channel digital audio formats (such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD). The HDMI bypass output can be connected to a local HDMI display or cascaded to another splitter. The CAT5e/6/7 output can be connected to a CAT5e/6/7 to an HDMI receiver to extend the operating distance up to 60 metres. Additionally, the CHDBT-1H1CPL supports Power over Cable (PoC) function can power compatible receivers, providing greater flexibility in installations.



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	-	60M	Yes	CHDBT-1H1CL
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CHDBT-1H1CPL

### 1x4 HDMI OVER HDMI AND CAT5e/6/7 SPLITTER

The CHDBT-1H3CL can split and distribute a single HDMI input and 2-way IR control to up to three CAT5e/6/7 outputs and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4K2K timing, 3D and multichannel digital audio formats (such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD). The HDMI bypass output can be connected to an HDMI display or cascaded to another splitter. The three CAT5e/6/7 outputs can be connected to CAT5e/6/7 to HDMI receivers to extend the operating distance up to 60 metres. Additionally, the CHDBT-1H3CPL supports Power over Cable (PoC) function can power compatible receivers, providing greater flexibility in installations.

- HDMI with 4K2K resolution and 3D support, HDCP and DVI compliant
- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports data rate from 300 Mbps up to 3 Gbps
- Supports a wide range of PC resolutions from VGA to WUXGA (RB) and HDTV resolutions up to 4K2K (3840x2160@30 Hz and 4096x2160@24 Hz)
- Supports transmission of High Definition audio: LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio (32 kHz~192 kHz sample rate)
- Supports distances up to 70 metres over CAT5e/6/7 cables
- Supports selection of Standard or TV EDID settings
- Supports control of devices via 2-way IR
- 3D signal display is dependent on the TV/Display's EDID settings



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H3CL
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H3CPL

### 1x8 HDMI OVER HDMI AND CAT5e/6/7 SPLITTER

The CHDBT-1H7CL can split and distribute a single HDMI input, and 2-way IR control to up to seven CAT5e/6/7 outputs and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4K2K timing, 3D and multichannel digital audio formats (such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD). The HDMI bypass output can be connected to an HDMI display or cascaded to another splitter. The CAT5e/6/7 outputs can be connected to CAT5e/6/7 to HDMI receivers to extend the operating distance up to 60 metres. Additionally, the CHDBT-1H7CPL supports Power over Cable (PoC) function can power compatible receivers, providing greater flexibility in installations.

- HDMI with 3D and 4K2K supported, HDCP and DVI compliant
- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports one HDTV and seven CAT5e/6/7 outputs
- Supports data rate from 250Mbps up to 3Gbps
- Supports wide range of PC resolutions from VGA to WUXGA and HDTV resolutions up to 4K2K (3840x2160@30Hz and 4096x2160@24 Hz)
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission (32-192 kHz sample rate)
- Supports distances up to 60 metres through CAT5e/6/7 cables
- Supports selection of Standard or TV EDID settings
- Supports USB service port
- Supports Bi-directional IR control
- The 3D signal display follow by display TV's EDID



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H7CL
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H7CPL





## 1x2 HDMI OVER HDMI AND CAT5e/6/7 SPLITTER WITH LAN SERVING

The HDMI over HDMI and CAT5e/6/7 Splitter can split and distribute a single HDMI input, 2-way IR or RS-232 control and LAN serving to a single CAT5e/6/7 output and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4Kx2K timing, 3D and multi-channel digital audio formats (such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD). The HDMI bypass output can be connected to an HDMI display or cascaded to another splitter. The CAT5e/6/7 outputs can be connected to a CAT5e/6/7 to HDMI receiver to extend the operating distance up to 100 metres. Additionally, the LAN connectivity will allow a 100BaseT network to be served to smart TVs or games consoles. The Power over Ethernet (PoE) function can power compatible receivers, providing greater flexibility in installations.

- HDMI with 4K2K resolution and 3D support, HDCP and DVI compliant
- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports data rate from 250 Mbps up to 3 Gbps
- Supports a wide range of PC resolutions from VGA to WUXGA (RB) and HDTV resolutions up to 4K2K (3840x2160@30 Hz and 4096x2160@24 Hz)
- Supports transmission of High Definition audio: LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio (32 kHz~192 kHz sample rate)
- Supports distances up to 100 metres through CAT5e/6/7 cables
- Supports Ethernet network rates up to 100 Mbps
- Supports selection of Standard or TV EDID settings
- Supports USB service port
- Provides 24V DC power to or received from compatible PoC Receiver through CAT5e/6/7 cable
- Supports control of devices via 2-way IR
- Supports RS-232 function
- 3D signal display is dependent on the TV/Display's EDID settings

**CHDBT™**



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H1CE

## 1x3 HDMI OVER HDMI AND CAT5e/6/7 SPLITTER WITH LAN SERVING

The HDMI Splitter over HDMI and CAT5e/6/7 supports resolutions up to 1080p Full HD, Deep Colour, 4Kx2K, 3D and multi-channel digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD from Hi-Def sources to an HDMI and 2 CAT5e/6/7 outputs. This splitter has the ability to provide you with simultaneous HDMI and 2 CAT5e/6/7 outputs where the HDMI output can be connected to display or cascaded with another splitter. The CAT5e/6/7 outputs can be connected to CAT5e/6/7 to HDMI receivers to extend the operating distance up to 100 metres. The LAN connectivity will allow a 100BaseT network to be served to both CAT outputs.

- HDMI with 4K2K resolution and 3D support, HDCP and DVI compliant
- Simultaneous output of the same source through HDMI and CAT5e/6/7 outputs
- Supports Deep Colour up to 1080p/36-bit
- Supports wide range of PC resolutions from VGA to WUXGA (RB) and HDTV resolutions up to 4K2K
- Supports transmission of High Definition audio: LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio (32 kHz~192 kHz sample rate)
- Supports distances up to 100 metres over CAT5e/6/7 cables
- HDBaseT™ 5PlayT™ convergence: uncompressed high definition Video and Audio, LAN serving, Power over Ethernet and RS-232/IR control
- 3D signal display is dependent on the TV/Display's EDID settings

**CHDBT™**



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 2x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H2CE

## 1x4 HDMI OVER HDMI AND CAT5e/6/7 SPLITTER WITH LAN SERVING

The HDMI over HDMI and CAT5e/6/7 Splitter can split and distribute a single HDMI input, 2-way IR control and LAN serving to up to three CAT5e/6/7 outputs and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4Kx2K timing, 3D and multichannel digital audio formats (such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD). The HDMI bypass output can be connected to an HDMI display or cascaded to another splitter. The three CAT5e/6/7 outputs can be connected to CAT5e/6/7 to HDMI receivers to extend the operating distance up to 100 metres. Additionally, the LAN connectivity will allow a 100BaseT network to be served to smart TVs or games consoles. The Power over Ethernet (PoE) function can power compatible receivers, providing greater flexibility in installations.

- HDMI with 4K2K resolution and 3D support, HDCP and DVI compliant
- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports data rate from 300 Mbps up to 3 Gbps
- Supports a wide range of PC resolutions from VGA to WUXGA (RB) and HDTV resolutions up to 4K2K (3840x2160@30 Hz and 4096x2160@24 Hz)
- Supports transmission of High Definition audio: LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio (32 kHz~192 kHz sample rate)
- Supports distances up to 100 metres over CAT5e/6/7 cables
- Supports Ethernet network rates up to 100 Mbps
- Supports selection of Standard or TV EDID settings
- Supports PoC with compatible receiver units
- Supports control of devices via 2-way IR
- 3D signal display is dependent on the TV/Display's EDID settings



**CHDBT™**

Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H3CE



## 1x8 HDMI OVER HDMI AND CAT5e/6/7 SPLITTER WITH LAN SERVING

The HDMI over HDMI CAT5e/6/7 Splitter can split and distribute a single HDMI input, 2-way IR control and LAN serving to up to seven CAT5e/6/7 outputs and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4Kx2K timing, 3D and multichannel digital audio formats (such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD). The HDMI bypass output can be connected to an HDMI display or cascaded to another splitter. The CAT5e/6/7 outputs can be connected to CAT5e/6/7 to HDMI receivers to extend the operating distance up to 100 metres. Additionally, the LAN connectivity will allow a 100BaseT network to be served to smart TVs or games consoles. The Power over Ethernet (PoE) function can power compatible receivers, providing greater flexibility in installations.

- HDMI with 4K2K resolution and 3D support, HDCP and DVI compliant
- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports one HDTV and seven CAT5e/6/7 outputs
- Supports data rate from 300 Mbps up to 3 Gbps
- Supports a wide range of PC resolutions from VGA to WUXGA (RB) and HDTV resolutions up to 4K2K (3840x2160@30 Hz and 4096x2160@24 Hz)
- Supports transmission of High Definition audio: LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio (32 kHz-192 kHz sample rate)
- Supports distances up to 100 metres over CAT5e/6/7 cables
- Supports Ethernet network rates up to 100Mbps
- Supports PoC with compatible Receiver units
- Supports selection of Standard or TV EDID settings
- Supports control of devices via 2-way IR
- 3D signal display is dependent on the TV/Display's EDID settings



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H7CE

## 2x9 HDMI/AUDIO TO CAT5e/6/7 SPLITTER

This 4K2K capable HDBaseT™ HDMI to HDMI and CAT5e/6/7 Transmitter supports the transmission of video (resolutions up to 1080p/4K2K) and multi-channel digital audio to eight remote HDBaseT CAT5e/6/7 outputs, plus an additional HDMI output which can be connected to a local HDMI display for monitoring.

The HDBaseT outputs can be connected to compatible Receivers for distances up to 100 metres over a single CAT5e/6/7 cable (for each output) and can transmit High-definition Video and Audio, bi-directional IR control, RS-232 pass-through, Power over Ethernet (PoE) that can power receivers and LAN serving that allows all connected devices to share a network. For additional flexibility, there is an Audio De-Embedding function which allows audio integration into a wider AV system or direct connection to an AV Receiver. Audio outputs are via a digital optical connection or an analogue stereo output (2 RCA).

- HDMI with 3D and 4K2K supported, HDCP and DVI compliant
- Simultaneous display of the selected source through the HDBaseT and HDMI outputs
- Features one HDMI and eight HDBaseT outputs
- Supports data rates from 250Mbps up to 3Gbps
- Supports a wide range of PC resolutions from VGA to WUXGA and HDTV resolutions up to 4K2K (3840x2160@24/25/30Hz and 4096x2160@24Hz)
- Supports High-definition Audio: LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission (32kHz to 192kHz sample rate)
- Supports distances of up to 100 metres over industry standard CAT5e/6/7 cables
- Supports Ethernet transmission rates up to 100Mbps
- Supports selection of Standard (Fixed) or TV (Downstream) EDID settings
- Supports HDMI 3D features for compatible sources and displays
- Supports Power over Cable (PoC) with compatible Receiver units
- Supports bi-directional IR pass-through from the source and display locations



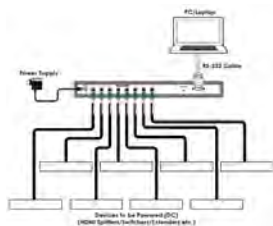
Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
2x HDMI	1x HDMI, 8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-2H8CE

## □ Power Supply Equipment

### 8-WAY ADJUSTABLE DC POWER SUPPLY

The CPOWER-80W is an 8-way DC power splitter which can distribute electrical power up to 8 devices (10.2 volt/3.2 amp each port) with overall power consumption of 80 watts over Terminal Block (3.5 mm, 2 poles). Ideal for professional applications, this device provides smart control over each individual port and supports adjustable voltage control and On/Off switching functions. It can be controlled through on panel buttons or via RS-232 commands. It also comes with an OLED display which can show the status of all ports or data for a single port.

- Power management system that can provide voltage controlled current on each port, with the ability to show real-time measurement results on the built-in OLED screen
- PC software application with the capability of collecting voltage current variation data in time and using RS-232 protocols it can create tables and charts of historic data
- Supports adjustment of voltage and current to allow the maximum usage on each channel
- Supports 12 V/6.67 A power input
- Supports overall power consumption up to 80 watts
- Supports up to 8 power outputs with professional pluggable 2-pole 3.5mm Terminal Blocks



Input	Output	Power management	Code
1x RS-232	8x Terminal Block	Yes	CPOWER-80W





## AV Switches

### CYPRESS SWITCHES QUICK GUIDE

Description	Input	Output	Compliance	4K	3D	CEC	EDID	HDCP	Code
Digital /Analog Audio	4x Component Video	1x Component Video	-	-	-	-	-	-	CHDD-41AR
VGA/Component	4x VGA	1x VGA	-	-	-	-	-	-	CPCD-41AR
S-Video/Composite	4x S-Video, 4x Composite	1x S-Video, 1x Composite	-	-	-	-	-	-	CVSD-41ARN
Signal Enhance	3x DVI SL	1x DVI SL	1.0	-	-	-	-	Yes	CDVI-31
Signal Enhance	4x DVI SL	1x DVI SL	1.0	-	-	-	-	Yes	CDVI-41
Signal Enhance	6x DVI SL	1x DVI SL	1.0	-	-	-	-	Yes	CDVI-61
Signal Enhance	8x DVI SL	1x DVI SL	1.0	-	-	-	-	Yes	CDVI-81
Signal Enhance	3x HDMI	1x HDMI	1.2	-	-	-	-	Yes	CHDMI-31
Signal Enhance	4x HDMI	1x HDMI	1.2	-	-	-	-	Yes	CHDMI-41
Independent Audio	4x HDMI	1x HDMI	1.2	-	-	-	-	Yes	CHDMI-41AT
Signal Enhance	6x HDMI	1x HDMI	1.2	-	-	-	-	Yes	CHDMI-61
Signal Enhance	2x HDMI	1x HDMI	1.3	-	-	-	-	Yes	CLUX-21N
Signal Enhance	3x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-31N
Signal Enhance	4x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-41N
Signal Enhance	3x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-31SY
Signal Enhance	4x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-41SY
Signal Enhance	3x HDMI	1x HDMI	1.3	-	Yes	Yes	-	Yes	CLUX-31GAME
Signal Enhance	4x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-41AP
Independent Audio	4x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-41AT
Signal Enhance	6x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-61
Signal Enhance	8x HDMI	1x HDMI	1.3	-	Yes	-	-	Yes	CLUX-81
Signal Enhance	4x HDMI	1x HDMI	1.3	-	Yes	Yes	-	Yes	CLUX-C41C
Signal Enhance	6x HDMI	1x HDMI	1.3	-	Yes	Yes	-	Yes	CLUX-C61C
Signal Enhance	8x HDMI	1x HDMI	1.3	-	Yes	Yes	-	Yes	CLUX-C81C
Wall Mount	4x HDMI	1x HDMI	1.3	-	Yes	Yes	-	Yes	CLUX-41W
Digital /Analog Audio	4x HDMI	1x HDMI	1.4	-	Yes	Yes	Yes	Yes	CPRO-41W
Plastic Housing	4x HDMI	1x HDMI	1.4	-	Yes	Yes	Yes	Yes	CPRO-3D41GAME
Ultra HD Resolution	4x HDMI	1x HDMI	1.3	Yes	Yes	-	Yes	Yes	CPRO-U4H1HFS
Multi-Picture PnP	4x HDMI	1x HDMI	1.3	-	-	-	-	Yes	CDPS-41SQ

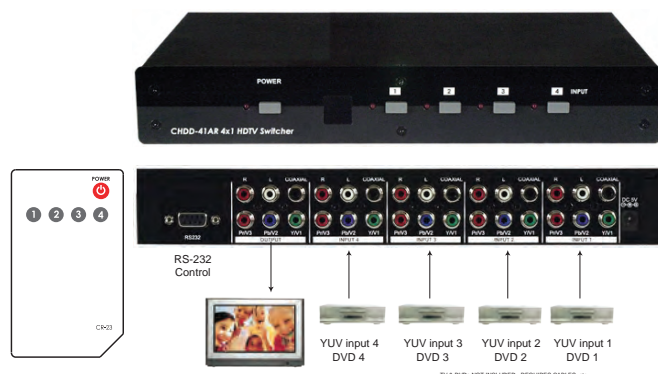
## Analogue Video Switches

### 4 WAY COMPONENT VIDEO SWITCH WITH RS232

#### YUV/RGB - STEREO AUDIO - DIGITAL AUDIO

Component video switch is designed for selecting various HD and SD sources for viewing on an analogue TV display. Simply pressing a button on the remote control can select your desired HD/SD source.

- Component Video & Stereo Audio switcher.
- Ideal for home theatre and presentation application.
- High bandwidth performance 650MHz at -3dB.
- Easy to install and operate-plug and play solution.
- Can be controlled either by input selection button on the front panel or using included infrared remote control.
- RS-232 interface allows control from a distant device.
- HDTV resolution: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p.
- Support audio formats: S/PDIF (Digital) and L/R (analog).



Interface	Input	Output	Max Res.	Chassis.	Description	Code
Component	4x Component Video	1x Component Video	1080p	Metal	Digital /Analog Audio	CHDD-41AR

### 4x1 COMPOSITE VIDEO / S-VIDEO SWITCHER

The CVSD-41ARN is designed for switching between video & S-video sources. Such as VCR,DVD player, etc. to share one TV display. Supports standard video sources: 480i, 576i. IR remote control included. Controls can be either through the input selection buttons on the front panel or using included infrared remote control. RS-232 interface also allows control from a distant device.

- IR remote control
- Supports standard video sources: 480i, 576i.
- Controls either through input selection button on the front panel or using included infrared remote control
- RS-232 interface allows control from a distant device
- Support audio format: L/R (analog) or PC AMP speaker system (option)



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x S-Video, 4x Composite	1x S-Video, 1x Composite	-	-	-	-	-	-	-	-	-	CVSD-41ARN



## Analogue Video Switches

### 4x1 VGA/COMPONENT VIDEO SWITCHER

The CPCD-41AR is perfect solution for switching between various PC/HDTV sources such as PCs, DVD to share one display monitor, TV or projector with resolution up to WUXGA/1080p. Supports high resolution PC input: VGA, SVGA, XGA, SXGA, UXGA (1600x 1200) and WUXGA (1920x1200). Supports high resolution HDTV input: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p. Plug and play, easy to install and operate. IR remote control included. RS-232 interface allows control from a distant device.

- IR remote control
- Supports high resolution PC input: VGA, SVGA, XGA, SXGA, UXGA (1600x 1200) and WUXGA (1920x1200)
- Supports high resolution HDTV input: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- Bandwidth supports 650 MHz
- Plug and play, easy to install and operate
- Built-in advance circuit ensures a smooth transition when switching from one PC/HD source into another
- RS-232 interface allows control from a distant device
- Ideal for presentation and large shop integration
- Audio format: L/R analogue



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x VGA	1x VGA	-	-	-	-	-	-	-	-	-	CPCD-41AR

## DVI Switches

### DVI SWITCHER

#### MULTIPLE INPUT - SINGLE OUTPUT - WITH REMOTE CONTROL

This DVI Switcher series are high performance components with remote. Place between your various DVI input sources and a DVI display monitor. Simply pressing a button on the front panel or directly on the remote you can select your desired DVI source for display on the DVI monitor output.

- HDCP 1.1 and DVI1.0 compliant.
- Signal enhancer to improve image quality compensates cable losses.
- LED source selected indicators.
- Supports high resolution input:
- PC: VGA, SVGA, XGA, SXGA, and UXGA (1600x1200)
- HDTV: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p @60Hz.
- Remote control included.
- Easy to install and operate.



Interface	Compliance	Input	Output	HDCP	Chassis.	Description	Code
DVI	1.0	3x DVI SL	1x DVI SL	Yes	Metal	Signal Enhance	CDVI-31
DVI	1.0	4x DVI SL	1x DVI SL	Yes	Metal	Signal Enhance	CDVI-41
DVI	1.0	6x DVI SL	1x DVI SL	Yes	Metal	Signal Enhance	CDVI-61
DVI	1.0	8x DVI SL	1x DVI SL	Yes	Metal	Signal Enhance	CDVI-81

## HDMI Switches

### HDMI V1.3 COMPACT SWITCHER

#### 3 INPUT TO 1 OUTPUT MANUAL OR AUTO SWITCHED

Extra compact, Three input and one HDMI switcher. CEC & EDID bypass allows the ability to turn both source and display on or off with a simple touch. Auto-switching feature, every time a new source is plugged into the unit or a source thats already connected is powered on the input selection will automatically be set to the activated source. Last input memory, the unit will remember the last selected input port before being powered off, and will set to the same number the next time it is turned on. Powered by Mini-USB for connection to any USB device for power.

- HDMI v1.3, HDCP 1.1 and DVI 1.0 compliant.
- Supports 30/36 bits colour depth display.
- Supports High Definition audio – Dolby® Digital, True HD and DTS-HD.
- An Automatic Enhancement feature to improve signal quality if required.
- Push-Button-Switching and Auto-Switching Source Select Function.
- LED indicators for input selection.
- Connects your game consoles with your home entertainment system.
- CEC and EDID bypass.
- Supports high resolution input.
- PC: VGA, SVGA, XGA, SXGA, UXGA up to 1920 x 1200px.
- HDTV: 480i, 480p, 576i, 576p, 720p, 1080i and 1080p.
- Requires power from Mini-USB source (CL960) or power pack BAC1010 or SMP1000-5P.
- Extra compact 100x70x20mm.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.3	3x HDMI	1x HDMI	Yes	Yes	-	Yes	WUXGA/1080p	Plastic	Signal Enhance	CLUX-31GAME



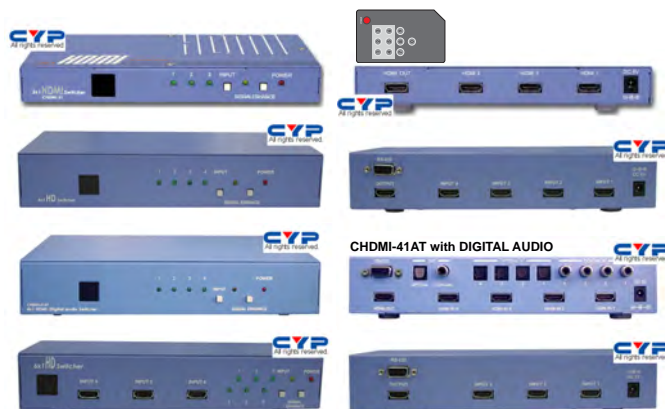


## HDMI V1.2 SWITCH

### HDMI SWITCH OPTIONAL DIGITAL AUDIO CONNECTIONS

A high performance HDMI V1.2 select switch with remote control. It is to be placed between your various HDMI sources and HDTV display. Simply pressing a button on the front or the remote can select your desired HDMI source for display on the HDTV.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- The unit has the function of Signal Enhancer to improve signal quality after long distance transmission or poor cable quality, etc.
- LED indicators of source selected.
- Ideal for home theatre integration.
- Supports high resolution input:
- PC: VGA, SVGA, XGA, SXGA, and UXGA (1600x1200) &
- HDTV: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p @60Hz.
- Direct Source Select Remote control included with all models.
- CHDMI41AT Includes Separate Coax & Optical Audio Switch.
- CHDMI41, CHDMI41AT, CHDMI61 Include RS232 Control Port.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.2	3x HDMI	1x HDMI	-	-	-	Yes	UXGA/1080p	Metal	Signal Enhance	CHDMI-31
HDMI	1.2	4x HDMI	1x HDMI	-	-	-	Yes	UXGA/1080p	Metal	Signal Enhance	CHDMI-41
HDMI	1.2	4x HDMI	1x HDMI	-	-	-	Yes	UXGA/1080p	Metal	Independent Audio	CHDMI-41AT
HDMI	1.2	6x HDMI	1x HDMI	-	-	-	Yes	UXGA/1080p	Metal	Signal Enhance	CHDMI-61

## HDMI V1.3 SWITCHER

### SELECT BETWEEN MULTIPLE HDMI SOURCE TO ONE OUTPUT

A high performance HDMI switcher. It allows 2/3/4 HDMI sources to share on one HDTV display. Simply pressing the input button on the front or the remote to select your desired HDMI source.

- HDMI 1.3, 3D, HDCP 1.1 and DVI 1.0 compliant. EDID Bypass.
- Support High Definition audio-Dolby® Digital True HD and DTS-HD.
- Auto Signal Enhancement feature can improve signal quality after long distance transmission.
- LED indicators.
- Ideal for home theatre integration.
- Supports high resolution input.
- PC: VGA, SVGA, XGA, SXGA, WUXGA, up to 1920x1200px.
- HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p.
- Easy to install and simple to operate.
- Includes remote control (CLUX-41N Only)



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Code
HDMI	1.3	2x HDMI	1x HDMI	-	-	-	Yes	WUXGA/1080p	CLUX-21N
HDMI	1.3	3x HDMI	1x HDMI	Yes	-	-	Yes	WUXGA/1080p	CLUX-31N
HDMI	1.3	4x HDMI	1x HDMI	Yes	-	-	Yes	WUXGA/1080p	CLUX-41N

## 3x1/4X1 HDMI SWITCHER

A high performance HDMI switcher. It allows 3/4 HDMI sources to share on one HDTV display. Simply pressing the input button on the front or the remote to select your desired HDMI source. Supports resolution up to 1080p. Auto Signal Enhancement feature improves signal quality after long distance transmission

- Support High Definition audio-Dolby® Digital True HD and DTS-HD
- Auto Signal Enhancement feature can improve signal quality after long distance transmission
- Supports PC resolution input VGA, SVGA, XGA, SXGA, UXGA (1600 x 1200) and 1920 x 1200 and HDTV 480i, 480p, 576i, 576p, 720p, 1080i and 1080p
- Includes remote control



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
3x HDMI	1x HDMI	-	Yes	-	-	Yes	Yes	-	-	Yes	CLUX-31SY
4x HDMI	1x HDMI	-	Yes	-	-	Yes	Yes	-	-	Yes	CLUX-41SY



## HDMI V1.3 SWITCH

### HDMI SWITCH OPTIONAL DIGITAL AUDIO CONNECTIONS

A high performance HDMI v1.3 Switcher with a remote control. It allows your various HDMI sources to share one HDTV display. Simply press a button to select your desired HDMI source to be displayed on the HDTV.

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant.
- Supports 30/36 bit colour depth display.
- Supports High Definition audio-Dolby® Digital, True HD and DTS-HD.
- Signal enhancement feature allows you to improve signal quality after long distance transmission.
- Supports high resolution input:
- PC: VGA, SVGA, XGA, SXGA, UXGA and 1920 x 1200.
- HDTV: 480i, 480p, 576i, 576p, 720p, 1080i and 1080p.
- Remote control.
- Ideal for home theatre integration.
- Easy to install and to operate.



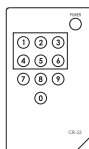
Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.3	4x HDMI	1x HDMI	Yes	-	-	Yes	WUXGA/1080p	Plastic	Signal Enhance	CLUX-41AP
HDMI	1.3	4x HDMI	1x HDMI	Yes	-	-	Yes	WUXGA/1080p	Metal	Independent Audio	CLUX-41AT

## HDMI V1.3 SWITCHER

### SIGNAL ENHANCE OPTION

High performance HDMI switcher with remote control. Allows your various HDMI sources to share one HDTV display. Simply pressing one button to cycle through to your desired HDMI source or select each directly via the included remote control.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Signal Enhancement feature allows you to improve signal quality after long distance transmission or poor cables.
- LED indicators.
- Ideal for home theatre integration.
- Supports high resolution input.
- PC: VGA, SVGA, XGA, SXGA, and UXGA (1600 x 1200).
- HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p.
- Remote control.
- Easy to install and simple to operate.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.3	6x HDMI	1x HDMI	Yes	-	-	Yes	UXGA/1080p	Metal	Signal Enhance	CLUX-61
HDMI	1.3	8x HDMI	1x HDMI	Yes	-	-	Yes	UXGA/1080p	Metal	Signal Enhance	CLUX-81

## HDMI V1.3 SWITCHER WITH CEC

### CONSUMER ELECTRONICS CONTROL (CEC) CONTROL FUNCTION

This is a high performance HDMI switcher that allows for various HDMI sources to share one HDTV display. Features CEC control functions and supports deep colour, xvYCC and RS232 control. Simply press one button select your desired HDMI source to display on the HDTV or use remote control to control your sources from a distance. Switching from one HDMI input source to another will no longer be an inconvenience.

- HDMI 1.3 and HDCP 1.1 compliant.
- Supports deep colour display RGB/YCbCr 4:4:4 24/30/36 bits.
- Supports colour space YCbCr 4:2:2 16/20/24 bits.
- Supports high definition audio – Dolby® Digital True HD® and DTS-HD
- Signal Enhancement feature allows signal quality improvement after long distance transmission.
- HDMI cable distance test with 1080p/8-bit resolution, the input/output can reach up to 15/15 metres. If running at 1080p/12-bit, the input/output can reach at up to 15/6 metres.
- Resolution supports: VGA, SVGA, XGA, SXGA, UXGA (1600 x 1200).
- HD resolution supports: 480i ~1080p 50/60 and 1080p.
- With remote control function.
- Supports RS232 operation.
- Supports CEC control function.
- Supports xvYCC.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.3	4x HDMI	1x HDMI	Yes	Yes	-	Yes	UXGA/1080p	Metal	Signal Enhance	CLUX-C41C
HDMI	1.3	6x HDMI	1x HDMI	Yes	Yes	-	Yes	UXGA/1080p	Metal	Signal Enhance	CLUX-C61C
HDMI	1.3	8x HDMI	1x HDMI	Yes	Yes	-	Yes	UXGA/1080p	Metal	Signal Enhance	CLUX-C81C





## HDMI V1.3 SWITCHER WALL MOUNT

### 4 INPUT BY 1 OUTPUT HDMI V1.3 SWITCHER FOR PROFESSIONAL MULTIMEDIA INSTALLATIONS

This is a high performance HDMI v1.3 Switcher with remote control allows various HDMI sources to share a HDTV display. Simply press the button on the unit or direct select on the remote control your desire HDMI source for display on the HDTV. Wall mount for specific installations.

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant.
- Deep colour video up to 12bit, 1080p@60Hz.
- Four HDMI sources to connect up to a HDMI display simultaneously.
- Supports DVI source and DVI display by using adaptor cables.
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission (32-192kHz Fs sample rate).
- Supports a wide range of PC monitor and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Full HDCP Compliant.
- HDMI cable distance test:
- 1080p/8bit resolution, input/output source can run up to 15M/15M
- 1080p/12bit, the input/output source can run up to 10M/15M
- Support xvYCC.
- Support CEC bypass.
- Support Sys. Reset function with hot key switch to reset the system within 8~10 minutes into factory mode.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.3	4x HDMI	1x HDMI	Yes	Yes	-	Yes	UXGA/1080p	Wall	Wall Mount	CLUX-41W

## HDMI 4 BY 1 V1.4 SWITCHER

### PROFESSIONAL GRADE WALL MOUNT HDMI SOLUTION - SUITS HOME AUTOMATION, etc.

This is a high performance four-input & one-output HDMI v1.4 switcher with digital audio inputs and outputs. It supports an HDCP repeater function and fast switching between any of the four HDMI input ports. The system supports all 3D TV formats in addition to all HDTV formats up to 1080p 12-bit Deep Colour. Wall mounted design for specific installations. Premium professional grade unit includes HDCP repeater, Sink EDID, Audio Return Port, Info frame, On Screen Display control, Remote control, RS-232 computer control.

- HDMI 1.4, HDCP 1.4 and CEC1.4 compliant.
- Audio Return Channel (ARC).
- 3D TV support. CEC1.4
- HDCP repeater support.
- Fast switching on all HDMI input ports.
- Character and icon based On-Screen Display (OSD).
- Sink EDID & Source info frame.
- HDMI input Audio & Audio Return selection.
- Deep Colour support 36/30/24-bit, 1080p@60Hz.
- HDMI cable distance tested with 1080p 8/12 bits resolution, the input & output distance can run up to 10 & 15 metres.
- Dolby® TrueHD & DTS-HD Master Audio 7.1CH, etc.
- RS-232 control connection.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.4	4x HDMI	1x HDMI	Yes	Yes	Yes	Yes	WUXGA/1080p	Wall	Digital /Analog Audio	CPRO-41W

## HDMI V1.4 COMPACT SWITCHER

### HDMI 4 INPUT TO 1 OUTPUT SELECT SWITCH WITH DIGITAL AUDIO OUT

This is a high performance four-input & one-output High-Definition Multimedia Interface (HDMI) v1.4 switcher with digital audio coax output. Supports HDCP repeater functions and fast switching between any of the four of HDMI input ports. The system supports all 3D TV formats in addition to all HDTV formats up to 1080p 12-bit Deep Colour. Furthermore, the remote control gives uses complete control over the selection of sources and makes the device incredibly user friendly by use of an on screen display for Sink EDID, Info frame and Audio Return.

- Support multiplexed HDMI 4-input and 1-output.
- HDMI 1.4, HDCP 1.4 and CEC 1.4 compliant.
- Audio Return Channel (ARC).
- Dedicated, flexible audio input/output port.
- 3D TV support. CEC 1.4 Sink EDID.
- Fast switching on all HDMI input ports.
- 10 Button Remote control.
- Source info frame.
- HDMI input Audio & Audio Return selection.
- HDCP repeater support.
- Deep Colour support 36/30/24-bit, 1080p@60Hz.
- Character and icon based On-Screen Display (OSD).
- Input & output cable distance can be up to 10 & 15 metres.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Chassis.	Description	Code
HDMI	1.4	4x HDMI	1x HDMI	Yes	Yes	Yes	Yes	WUXGA/1080p	Plastic	Plastic Housing	CPRO-3D41GAME



## 4x1 HDMI 4K SWITCHER WITH FAST SWITCHING

This 4 by 1 HDMI Switch enables the switching of four HDMI sources to a single HDMI output, allowing a display or AV Receiver to select between four devices. It supports the latest HDMI features such as 4K2K Ultra HD resolutions, 3D Content, 36-bit Deep Colour and High-definition lossless audio formats. It has the added benefit of control via IR remote control, RS-232, IP/Telnet and Web GUI.

- HDMI (with 3D & 4K2K support) and HDCP compliant
- Select any one of four HDMI sources and display on a HDTV display with fast switching between sources
- Supports pass-through of 3D signals
- Supports HDTV resolutions up to 4K2K (3840x2160@24/25/30, 50/60 Y420 and 4096x2160@24, 50/60 Y420)
- Supports HDMI data rates from 300Mbps to 3Gbps and 'Deep Colour' up to 1080p/36-bit
- Supports selection of Standard (Fixed) or TV (Downstream) EDID settings
- Supports Audio pass-through of High-definition Audio formats (LPCM 2/5.1/7.1CH, Dolby® Digital 2~5.1CH, DTS 2~5.1CH, Dolby® TrueHD and DTS-HD Master Audio)
- HDMI inputs support 'Standard' and 'Apple®' HDCP modes
- Supports Telnet and Web GUI control



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x HDMI	1x HDMI	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CPRO-U4H1HFS

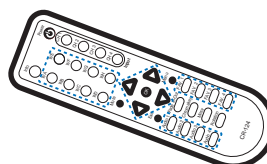
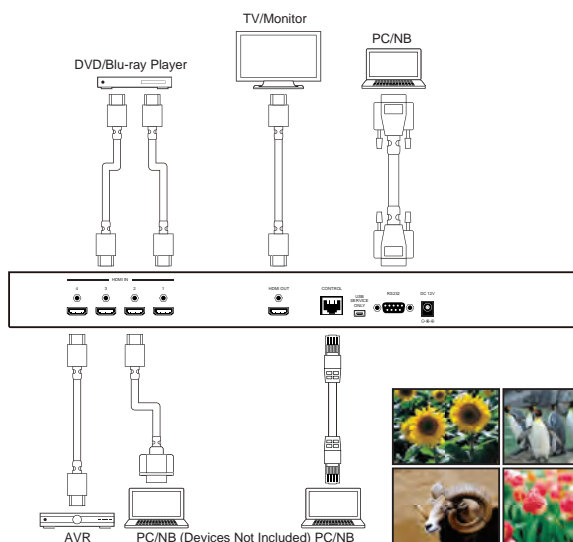
## 4x1 HDMI SEAMLESS QUAD TO SINGLE MONITOR

The CDPS-41SQ is an advanced HDMI switch with integrated Picture-in-Picture (PIP) technology that can be easily configured and controlled. It allows 4 different sources to be selected and arranged on a single display (for quad or single view). Supports video resolutions up to 1080p and audio up to 8CH/192kHz. Preset hot keys, IR and RS-232 / Telnet support allows centralised PC control and switching.

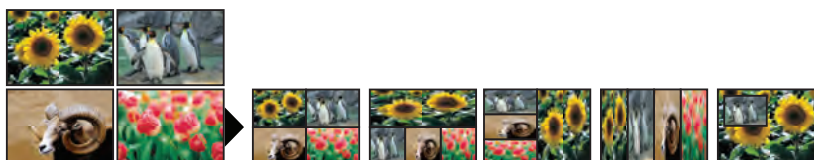
- Integrate 4 HDMI sources to a single display or video wall system
- Seamless switching between channels and windows
- Supports individual channel size and position adjustments
- Zoom, shrink and overlay the source channels
- Supports Fade-In/Fade-Out, Chromakey, Mirror and Rotation (90° left/right and 180° up or down) functions
- Supports Picture-in-Picture (PIP), Picture-out-of-Picture (POP) and multi-window display
- 8 Screen preset hot keys and 4 extra customisable screen setting favourites
- Supports OSD, RS-232, Telnet, Remote and on-panel controls
- Save and recall up to 4 customisable favourite screen arrangements



Input	Output	4K	3D	ARC	HEC	HD Audio	Deep Colour	CEC	EDID	HDCP	Code
4x HDMI	1x HDMI	-	-	-	-	Yes	Yes	-	-	Yes	CDPS-41SQ



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## □ HDMI Switches - Pro2 & Prolink

### HDMI SWITCH - 3 WAY

HDMI Switch box with HDMI cable plug output.  
Push button manual select and/or auto switches to an active input.  
1080p HDTV 3D High Speed.

Length	Code
1.5M	MP1201



### 3 INPUT HDMI SWITCH BOX

This 3 port HDMI switch is suitable to connect your HDMI sources to a HDMI display. Select source at unit, by remote, or automatically switches to active input. Supports 1080P resolution, 7.1CH DTS-HD, Dolby true HD loss less compressed digital audio. HDCP compliant. 225MHz bandwidth. Compact 115x70x22mm white. Powered by 5V supply, included.

Code
HDMI-313R



### 3 WAY HDMI SWITCHER - PRO2

The 3 WAY HDMI mechanical switcher is a compact, time-saving control centre for HDTV source switching using a single high definition display such as a Plasma or LCD TV. A simple and reliable solution, this 3 way HDMI selector links any 3 HDTV sources such as DVD players, HD set top boxes, Blu-ray players etc. to one HDTV display. Simply select which source you want to view using the control push buttons located at the front. Full HDMI resolutions and bandwidth.

- 3x HDMI input
- 1x HDMI outputs
- 115(W)x120(D)x25(H)mm

Code
PRO1185



**Pro.2**  
Providing AV Solutions

### 3 WAY HDMI SWITCHER - PRO2

Switch between 3 HDMI inputs to 1 HDMI output  
Supports Resolutions up to 1080p/24fps  
Supports Deep Colour, xVCC and 3D Video  
Support High Definition Audio: Dolby TrueHD / DTS-HD Master Audio  
HDMI / HDCP 1.2 Compliant  
Change input source with IR Remote Control or Input Button on unit  
Will automatically select the next input when no signal is detected  
Supports switching DVI signal when DVI-HDMI cable or adaptor is used  
Auto Signal Boosting improves signal quality after long distance transmission  
Booster option requires power supply optional (SMP5V-2A-21P not included)

HDMI Input	HDMI Output	Code
3x HDMI	1x HDMI	HDMI3SM



### 5 WAY HDMI SWITCHER - PRO2

Switch between multiple HDMI inputs to 1 HDMI output  
Supports Resolutions up to 1080p/24fps  
Supports Deep Colour, xVCC and 3D Video  
Support High Definition Audio: Dolby TrueHD / DTS-HD Master Audio  
HDMI / HDCP 1.2 Compliant  
Change input source with IR Remote Control or Input Button on unit  
Will automatically select the next input when no signal is detected  
Supports switching DVI signal when DVI-HDMI cable or adaptor is used  
Use of power supply optional, Includes power supply  
Auto Signal Boosting improves signal quality after long distance transmission

HDMI Input	HDMI Output	Code
5x HDMI	1x HDMI	HDMI5SM





## AV Switching Splitters

### CYPRESS SWITCHING SPLITTERS QUICK GUIDE

Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.3	Yes	2x HDMI	10x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CLUX-210S
HDMI	1.2	-	2x HDMI	10x HDMI	-	Yes	Yes	-	UXGA/1080p	Metal	CHDMI-210T
HDMI	1.2	-	3x HDMI	8x HDMI	-	Sim.	Yes	-	UXGA/1080p	Metal	CHDMI-38C
HDMI	1.4	Yes	4x HDMI	2x HDMI	Yes	Yes	Yes	-	UXGA/1080p	Metal	CPRO-3D42S
HDMI	1.2	-	4x HDMI	2x HDMI	-	-	Yes	-	UXGA/1080p	Metal	CHDMI-42E
HDMI	1.3	Yes	4x HDMI	2x HDMI	-	-	Yes	-	UXGA/1080p	Metal	CLUX-42S
HDMI	1.3	Yes	4x HDMI	2x HDMI	-	-	Yes	-	UXGA/1080p	Metal	CLUX-42E
HDMI	1.3	Yes	4x HDMI	2x HDMI	Bypass	-	Yes	-	UXGA/1080p	Metal	CLUX-4S2
HDMI	1.3	Yes	4x HDMI + Stereo Audio	2x HDMI	-	-	Yes	-	UXGA/1080p	Metal	CLUX-42SA
SDI	3G	-	4x SDI	4x SDI	-	-	-	-	UXGA/1080p	Metal	CSDI-44
SDI	3G	-	4x SDI	2x SDI	-	-	-	-	UXGA/1080p	Metal	CSDI-42

## HDMI Switching Splitters

### 4 IN x 2 OUT HDMI V1.2 SWITCH & SPLITTER

Cypress CHDMI-42E is a high performance 4-input dual outputs HDMI switcher with remote control. It allows you to connect up to 4 HDMI Sources so they can share two HDMI displays. Two HDMI outputs are identical. Simply pressing one button you can select your desired HDMI source for display on two HDMI TVs simultaneously.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Signal Enhancement feature allow you to improve signal quality after long distance transmission.
- Ideal for home theatre integration, conference room and retail stores.
- Supports high resolution input:
- PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) &
- HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Remote control.



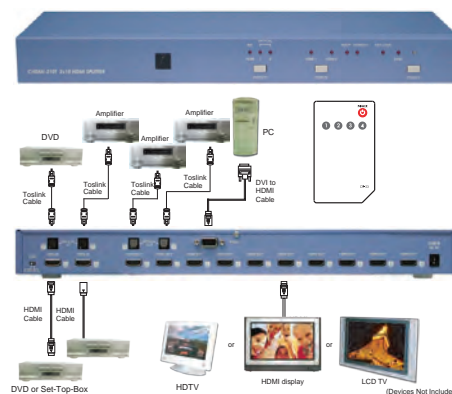
Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.2	-	4x HDMI	2x HDMI	-	-	Yes	-	UXGA/1080p	Metal	CHDMI-42E

### 2 IN x 10 OUT HDMI V1.2 SWITCH & SPLITTER

#### HDCP KEYSETS

Cypress CHDMI-210T is a high performance 2 input-10 output HDMI splitter with separate optical audio and remote control. It allows you to connect up to 2 HDMI source and 10 HDMI displays. The 10 HDMI outputs are identical.

- Two HDMI sources to connect up to 10 HDMI displays simultaneously.
- HDCP keysets allows each output to work independently when connecting HDMI
- Splits a HDMI source up to 10 outputs without signal loss.
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480p to 1080p. Maximum resolution bandwidth 165MHz.
- Can be cascaded for more outputs.
- Each of the buffered output can run up to 20 metres @ 1600x1200.
- Supports multi channel audio.
- Full HDCP Compliant.
- Separate toslink output.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.2	-	2x HDMI	10x HDMI	-	Yes	Yes	-	UXGA/1080p	Metal	CHDMI-210T

### 3 IN x 8 OUT HDMI V1.2 SWITCH & SPLITTER

#### SWITCH BETWEEN THREE INPUTS

Cypress CHDMI-38C is a high performance 3-in 8-out HDMI Switcher with remote control. It allows you to connect up to 3 HDMI sources and 8 HDMI displays. The eight HDMI outputs are identical and each supports up to 1080p. Simply pressing one button you can select your desired HDMI source for display on eight HDMI TV simultaneously.

- Built-in EDID simulator and HDCP keyset allows each output to work independently in connecting to a HDMI display.
- Splits 3 HDMI sources up to 8 outputs without signal loss.
- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480p to 1080p. Maximum resolution bandwidth is 165MHz.
- Provides multi-channel digital audio support with sampling rates up to 192KHz.
- Supports both compressed and uncompressed multi-channel audio.
- Remote control.
- Full HD 1080p supported.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.2	-	3x HDMI	8x HDMI	-	Sim.	Yes	-	UXGA/1080p	Metal	CHDMI-38C





## 4 IN x 2 OUT HDMI V1.4 SWITCH & SPLITTER

### ETHERNET INJECTOR [HEC] - SPDIF EXTRACTOR - AUDIO RETURN

This is a high performance four-input & two-output HDMI Switcher with 3D support. It supports HDCP repeater functions and all standard 3D TV formats in addition to all HDTV formats up to 1080p 12-bit Deep Colour. Furthermore, the remote control allows you to easily control the selection of your desired source and also makes the device more user friendly.

- Supports multiplexed 4 HDMI inputs and 2-outputs.
- HDCP 1.4 and CEC1.4 compliant.
- HDMI 1.4
- Audio Return Channel (ARC).
- 3D
- CEC1.4
- HDMI Ethernet Channel (HEC).
- Supports HDCP repeater.
- Deep Colour supports 36/30/24-bit, 1080p@60Hz.
- HDMI 1.4 compatible audio interface.
- Dedicated, flexible audio input/output port.
- Dolby® True HD.
- DTS-HD Master Audio.
- Full audio input and output support.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.4	Yes	4x HDMI	2x HDMI	Yes	Yes	Yes	-	UXGA/1080p	Metal	CPRO-3D42S

## 4 IN x 2 OUT HDMI V1.3 SWITCH & SPLITTER

### 4 INPUT TO 2 OUTPUT - OPTIONAL ANALOGUE STEREO INPUT

High performance 4 Way HDMI v1.3 Switcher with dual HDMI splitter output to two monitors. Quality metal cased unit with remote control. rs optional Stereo Analogue (L/R) Inputs converted to digital audio and inserted into the HDMI line if required.

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- Deep colour video up to 12bit, 1080p@60Hz.
- Four HDMI sources to connect up to two HDMI displays View
- One source simultaneously on two monitors.
- Supports DVI source and DVI display by using adaptor cable.
- Dolby® Digital, DTS digital audio transmission (32-192kHz).
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance test with 1080p resolution: Input/Output source can run up to 30M/30M
- Full HDCP Compliant.
- CLUX-42SA Optional Stereo L/R Inputs to HDMI out.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.3	Yes	4x HDMI	2x HDMI	-	-	Yes	-	UXGA/1080p	Metal	CLUX-42S
HDMI	1.3	Yes	4x HDMI + Stereo Audio	2x HDMI	-	-	Yes	-	UXGA/1080p	Metal	CLUX-42SA

## 2 IN x 10 OUT HDMI V1.3 SWITCH & SPLITTER

### 2 INPUT SWITCHED TO 10 OUTPUT SPLITTER

The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep Colour (10-bit and 12-bit) video and new lossless compressed (Dolby®, True HD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video. Each of the buffered output can run up to 30 metres and can be cascaded.

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- Deep colour video up to 12bit, 1080p@60Hz.
- HDCP keysets allows each output to work independently when connecting to a HDMI display.
- Split a HDMI source to 10 output without signal loss.
- Supports DVI source and DVI display by using adaptor cable.
- Dolby® Digital, DTS digital audio transmission (32-192 kHz).
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable 1080p resolution: Input/Output source can run 30M/30M.
- Full HDCP Compliant.
- RS-232 Control Port
- Remote Control for source select.
- EDID Select or bypass switch
- Metal Cabinet 436x160x44mm



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.3	Yes	2x HDMI	10x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CLUX-210S



## 4x2 HDMI SWITCHER

This is a high performance HDMI Distributor with Switcher for HDMI source to view on two HDTV displays. It is compatible to HDMI specifications that can transfer Deep Colour (10-bit and 12-bit) video and new lossless compressed (LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). It also does signal amplification and equalization, so as to provide high performance I/O of audio and video.

- HDMI, HDCP1.1 and DVI1.0 compliant
- Deep colour video up to 12bit, 1080p@ (24/60) Hz
- Four HDMI sources to connect up to two HDMI displays simultaneously
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission (32-192kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p
- Supports signal amplification and equalization before transmitting
- Support xvYCC
- Support CEC bypass
- HDMI cable distance test with 1080p/8bits resolution the Input/Output source can run up to 20/15 metres. If 1080p/12bits the Input/Output source can run up to 20/15 metres
- Supports EDID functionality. The unit will detect the first HDMI/DVI output source's EDID and record in the unit. If the first detected output source is empty it will pass to next source, until the first HDMI/DVI been detected
- When user reconnected ALL the output sources or re-plug the power, the system will automatically recover the EDID



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x HDMI	2x HDMI	-	Yes	-	-	Yes	Yes	-	-	Yes	CLUX-42E

## 4x2 HDMI SWITCHER

- Supports HDMI with Deep Colour Video at up to 36 bits (12bits/colour) and a new lossless compressed (Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio
- Equalizes and recovers incoming TMDS data before re-transmitting it with perfect quality regardless of the incoming signal
- Supports high definition input/output at up to 1080p@60Hz
- Supports CEC function

The 4x2 HDMI switch allows four HDMI sources such as DVD/BLU-Ray players to send audio/video signals to two HDMI displays. A remote control is included so you no longer have to manually control your various gadgets, all you have to do is plug them into the CLUX-4S2 and using the remote decide which source goes to which display. Helping you switch between various HDMI devices with ease, the CLUX-4S2 HDMI switch is a sleek and stylish device that solves your HDMI switching needs. Support 1080p input and output.



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x HDMI	2x HDMI	-	Yes	-	-	Yes	Yes	Bypass	-	Yes	CLUX-4S2

## SDI Switching Splitter

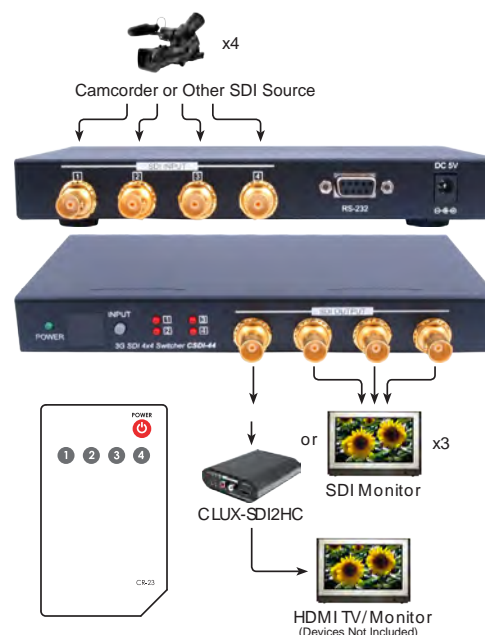
### SDI 4 IN x 4 OUT SPLITTER

#### 3G-SDI SERIAL DIGITAL INTERFACE FOR VIDEO DISTRIBUTION 2.970Gbs

The 3G-SDI 4 by 2 and 4 by 4 Switcher allow SD-SDI, HD-SDI and 3G-SDI signals to be shown on SDI displays while ensuring high bit rates of 2.970 Gbit/s to give you fast signal transmission without any loss. Designed for professionals, this product makes it easier to switch between four SDI sources and split them to four SDI displays. With a maximum range of up to 300 metres, this switcher is a fine companion to those who work with SDI sources and displays.

- Four 3G-SDI input sources can be selected as the source and split to four 3G-SDI displays simultaneously
- Operation at 2.970 Gb/s, 2.970/1.001 Gb/s, 1.485 Gb/s, 1.485/1.001 Gb/s and 270 Mb/s
- Supports SMPTE 425 M (Level A and Level B), SMPTE 424 M, SMPTE 292 M, SMPTE 259 M-C
- Supports resolutions up to 1080p Full HD at 60 Hz
- The signal is equalized and re-clocked prior to transmission
- IR remote controlled source and destination control
- Supports a maximum input and output distance of up to 300 M for SD signals, 200 M for HD signals and 100 M for 3G signals.
- Note: Cable tested with Belden 1694A. Operating distances may vary if used with another type of cable.
- Multiple source Switch to Splitter. (Not a Matrix Type Switch.)

Input	Output	Code
4x SDI	4x SDI	CSDI-44
4x SDI	2x SDI	CSDI-42







## AV Matrix Switches

### CYPRESS MATRIX QUICK GUIDE

Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
IR	IR	-	(4+1) xIR Extender	(4+1) xIR Blaster	-	-	-	Yes	-	Metal	CMIR-44
IR	-	-	(8+8+1) xIR Extender	(8+8+1) xIR Blaster	-	-	-	-	-	Metal	CMIR-882
Component	-	-	4x Component Video	2x Component Video	-	-	-	-	UXGA/1080p	Metal	CCMX-42
Component	-	-	4x Component Video	4x Component Video	-	-	-	-	UXGA/1080p	Metal	CCMX-44
Component	-	-	4x Component Video	4x Component Video	-	-	-	-	UXGA/1080p	Metal	CCMX-44DA
HDMI	1.2	-	2x HDMI	2x HDMI	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-22
HDMI	1.2	-	2	2	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-22AS
HDMI	1.2	-	2x HDMI	4x HDMI	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-24
HDMI	1.2	-	4	2	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-42
HDMI	1.2	-	4x HDMI	4x HDMI	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-44
HDMI	1.3	-	2x HDMI	2x HDMI	-	Yes	Yes	-	1080p	Metal	CMLUX-22S
HDMI	1.3	Yes	2x HDMI	4x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-24S
HDMI	1.3	Yes	4x HDMI	2x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-42S
HDMI	1.3	Yes	4x HDMI	4x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-44S
HDMI	1.3	Yes	8x HDMI	8x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-88S
HDMI	1.3	Yes	4x HDMI	4x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-44E
HDMI	-	-	4x HDMI	4x HDMI	-	Yes	Yes	-	-	-	CDPS-44SM
HDMI	-	Yes	8x HDMI	8x HDMI	-	Yes	Yes	-	-	-	CMSI-8H8HS
HDMI	-	Yes	4x HDMI	2x HDMI	-	Yes	Yes	-	-	-	CMPRO-4H2H
HDMI	-	Yes	4x HDMI	4x HDMI	-	Yes	Yes	-	-	-	CMPRO-4H4H
HDMI	-	Yes	4x HDMI	4x HDMI	-	Yes	Yes	-	-	-	CDPS-U4H4HSA
HDMI	-	Yes	6x HDMI	2x HDMI	-	Yes	Yes	-	-	-	CDPS-6H2HFS
HDMI/CAT	1.3	Yes	4x HDMI	4x Dual Cat-6	-	Yes	Yes	-	UXGA/1080p	-	CMLUX-4H4CAT
HDMI/CAT	-	Yes	8x HDMI	8x HDMI	-	Yes	Yes	-	-	-	CMSI-8H8HC
DVI	-	Yes	8x DVI	8x DVI	-	Yes	Yes	-	-	-	CMSI-8D8DSA
DVI	-	Yes	8x DVI	8x DVI	-	Yes	Yes	-	-	-	CMSI-8D8DS

### HDBASE-T MATRIX QUICK GUIDE

Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
4x HDMI	4x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	-	60M	Yes	CMSI-4H4CVL
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	-	60M	Yes	CMSI-8H8CVL
4x HDMI	4x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	Yes	100M	Yes	CMSI-4H4CV
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	Yes	100M	Yes	CMSI-8H8CV
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-18H8CVC
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-8H8CVC
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMSI-46PL
4x HDMI	4x CAT5e/6/7, 4x HDMI	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-48E
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	-	-	100M	Yes	CMSI-424L
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-424E
4x HDMI	4x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMPRO-U4H4CVPL
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMPRO-U8H8CVPL
4x HDMI	4x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMPRO-U4H4CVC
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMPRO-U8H8CVC

### HDBASE-T HYBRID MODULARISED MATRIX GUIDE

Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8xHDMI or DVI or CAT5e/6/7 or VGA	8xHDMI or DVI or CAT5e/6/7	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-88
16xHDMI or DVI or CAT5e/6/7 or VGA	16xHDMI or DVI or CAT5e/6/7	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-1616
32xHDMI or DVI or CAT5e/6/7 or VGA	32xHDMI or DVI or CAT5e/6/7	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-3232

### INPUT/OUTPUT MODULES FOR HYBRID MODULARISED MATRIX GUIDE

Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8x CAT5e/6/7	-	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8CV-5PLAY
8x DVI	-	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8DS
8x HDMI	-	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8HS
8x HDMI	-	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8HS4K
8x VGA	-	-	-	-	-	-	-	-	Yes	-	CIN-8VGA
-	8x RJ45	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8CV-4PLAY
-	8x RJ45	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8CV-5PLAY
-	8x RJ45	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8CVL-3PLAY
-	8x DVI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8DS
-	8x HDMI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8HS
-	8x HDMI	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8HS4K



## 3G-SDI MATRIX & MODULES GUIDE

Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
16x SDI	16x SDI	-	-	-	-	-	-	-	-	-	CMSDI-1616S
4x Optical fibre	-	-	-	-	-	-	-	-	-	-	CIN-4OF
4x SDI	-	-	-	-	-	-	-	-	-	-	CIN-4S
-	2x HDMI, 2x SDI	-	-	-	-	-	-	-	-	-	COUT-2H2S
-	4x Optical fibre	-	-	-	-	-	-	-	-	-	COUT-4OF
-	4x SDI	-	-	-	-	-	-	-	-	-	COUT-4S
4x SDI	4x SDI	-	-	-	-	-	-	-	-	-	CMSDI-44
8x SDI	8x SDI	-	-	-	-	-	-	-	-	-	CMSDI-84
12x SDI	12x SDI	-	-	-	-	-	-	-	-	-	CMSDI-124
16x SDI	16x SDI	-	-	-	-	-	-	-	-	-	CMSDI-164

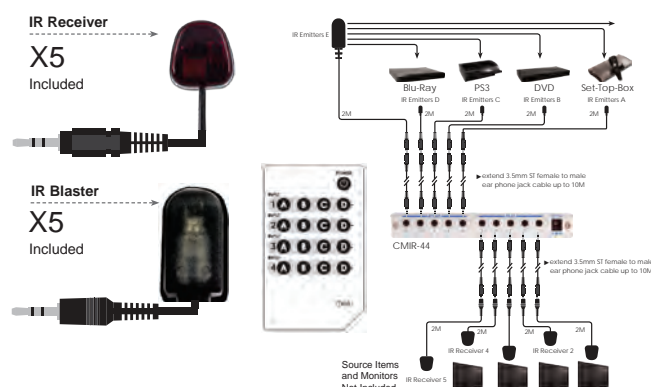
## IR Matrix

### 4x4 INFRARED MATRIX

#### CONTROL COMMON OR SEPARATED IR DEVICES

The Infrared 4 by 4 Matrix is designed to control your source devices from beside your display/receiver. Using the original remote, you can control DVD/Blu Ray players, satellite and set-top-boxes and with a cross matrix design this device gives anyone the ability to send infrared signals from anywhere, any place. When used with an HDMI/converter matrix, this brilliant product will allow you to freely manage your sources and displays. Ideal for common equipment to different viewers. Plus, a 5th receiver transmits to all and a 5th transmitter receives from all so as to share common equipment. Very versatile solution. Simply place the IR receiver near the display and put the IR blaster in a position so that all devices will be able to function properly, even when they are hidden in a cabinet or placed far away.

- Supports independent IR receiver & IR blaster selection and control
- This device does not send audio/video signals, it only transmits and receives infra-red signals to control equipment that is far away, using IR extender cables.
- Supports a frequency of 20KHz ~ 70KHz.
- Use your existing remote controls.
- Includes 5 Receivers and 5 Sender modules.
- Includes its own remote control



Interface	Input	Output	Code
IR	(4+1) xIR Extender	(4+1) xIR Blaster	CMIR-44

### 8x8 BI-DIRECTIONAL INFRARED MATRIX

The 8 by 8 Bi-directional Infrared Matrix is designed to work alongside the 8 by 8 HDMI matrix, providing control of up to 8 source devices from up to 8 display locations. Using the original or programmable remote controls, source devices such as DVD/Blu-ray players or satellite/set-top boxes can be controlled from any location.

- Supports independent IR input and output selection and control
- Supports an IR frequency range of 30 kHz~50 kHz
- Use your existing remote controls or programmable/universal remote controls
- Supports bi-directional IR from input and output locations
- Supports RS-232 control, IR remote control and on-panel control
- 1U size design
- Note: This device does not support the sending of audio/video signals, it only transmits and receives infra-red signals.



Input	Output	Code
(8+8+1) xIR Extender	(8+8+1) xIR Blaster	CMIR-882





## □ Component Matrix

### COMPONENT 4 IN x 2 OUT MATRIX SWITCH

#### RGB/YUV + L/R AUDIO-VIDEO SWITCHING SOLUTION

Cypress CCMX-42 is a high performance Component + L/R Audio Matrix with remote control. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources and displays to connect together. Each of the four HDTV audio/video sources can be directed to any one of the two outputs, so two displays can show 2 identical or 2 different sources at the same time. CCMX-42 provides a maximum of 8 possible connection scenarios between sources and displays.

- Provides 4 by 2 matrix input/output of Component (YPbPr/YCbCr) video and L/R audio signal.
- Buffered video and audio output.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Supports high resolution input/output: HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Supports analog stereo L/R audio input and output.
- IR remote control.
- RS-232 control.



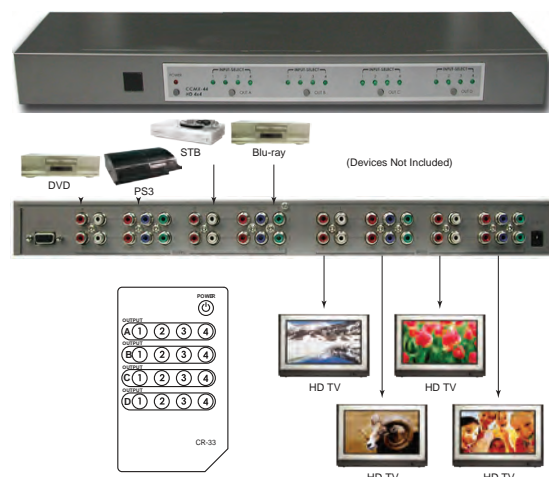
Interface	Compliance	3D	Input	Output	CEC	EDID	Cascade	Max Res.	Chassis	Code
Component	-	-	4x Component Video	2x Component Video	-	-	-	UXGA/1080p	Metal	CCMX-42

### COMPONENT 4 IN x 4 OUT MATRIX SWITCH

#### RGB/YUV + L/R AUDIO-VIDEO SWITCHING SOLUTION

Cypress CCMX-44 is a high performance Component + L/R Audio Matrix with remote control. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources and displays to connect together. Each of the four HDTV audio/video sources can be directed to any one of the four outputs, so four displays can show 4 identical or 4 different sources at the same time. CCMX-44 provides a maximum of 16 possible connection scenarios between sources and displays.

- Provides 4 by 4 matrix input/output of Component (YPbPr/YCbCr) video and L/R audio signal.
- Buffered video and audio output.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Supports high resolution input/output: HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Supports analog stereo L/R audio input and output.
- IR remote control.
- RS-232 control.



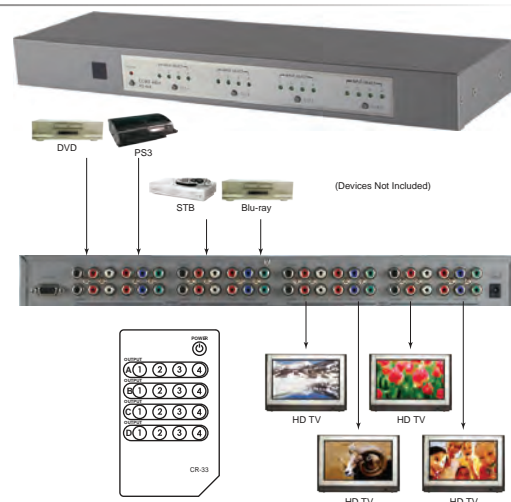
Interface	Compliance	3D	Input	Output	CEC	EDID	Cascade	Max Res.	Chassis	Code
Component	-	-	4x Component Video	4x Component Video	-	-	-	UXGA/1080p	Metal	CCMX-44

### COMPONENT 4 IN x 4 OUT MATRIX SWITCH WITH DIGITAL AUDIO

#### RGB/YUV + L/R PLUS DIGITAL AUDIO

High performance Component of Digital/Analog Audio with Video Matrix. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources to display. Each of the four HDTV audio/video sources can be directed to any one of the four outputs and or all four displays can show one identical output sources at the same time. It provides a variety of choices on where to play your image with remote controller. Each input can be direct to any/all output. Audio format of Digital or Analog both acceptable.

- Provides 4 by 4 matrix input/output of Component (YPbPr/YCbCr) video and L/R & Coaxial digital audio signal.
- Buffered video and audio output.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Supports high resolution input/output.
- HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Supports analog stereo L/R audio input and output.
- Support Coaxial audio input and output.
- IR remote control.
- RS-232 control.



Interface	Compliance	3D	Input	Output	CEC	EDID	Cascade	Max Res.	Chassis	Code
Component	-	-	4x Component Video	4x Component Video	-	-	-	UXGA/1080p	Metal	CCMX-44A

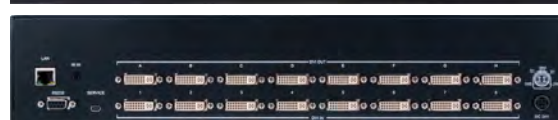
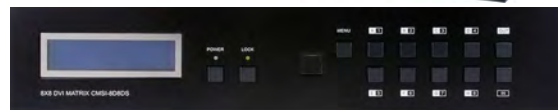


## □ DVI Matrix

### 8x8 DVI MATRIX

The 8 by 8 DVI Matrix is the perfect choice for the switching and distribution of DVI sources. Connect up to eight DVI sources to eight DVI displays allowing any source to be independently displayed on any monitor. The Matrix can be controlled via its front panel, IR, RS-232 or Telnet and Web GUI over IP. The matrix supports a full range of PC and HDTV timings up to WUXGA and 1080p, 2.25 Gbps bandwidth, 12-bit Deep Colour, and 3D.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D feature (with HDMI to DVI adaptor cable)
- Supports resolutions to VGA ~ WUXGA and 480i~1080p dependent upon the output display's EDID settings
- Supports 3D signal dependent upon the output display's EDID settings
- Supports IR extension
- Supports RS-232, remote control, on-panel control and IP Control (Telnet)
- 2U size design

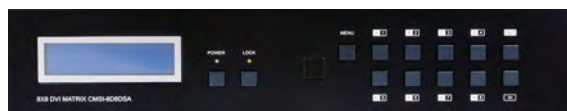


Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8x DVI	8x DVI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-8D8DS

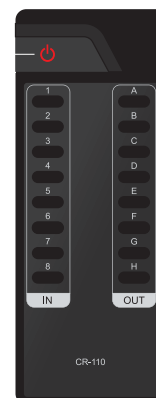
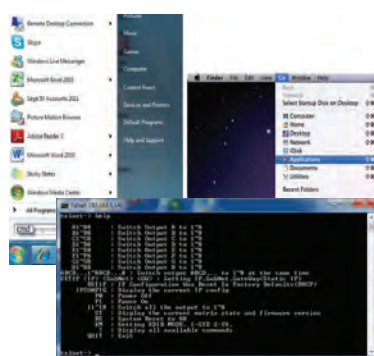
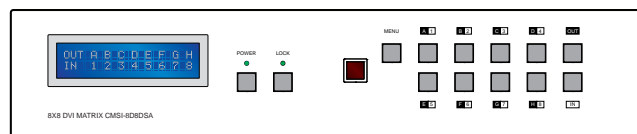
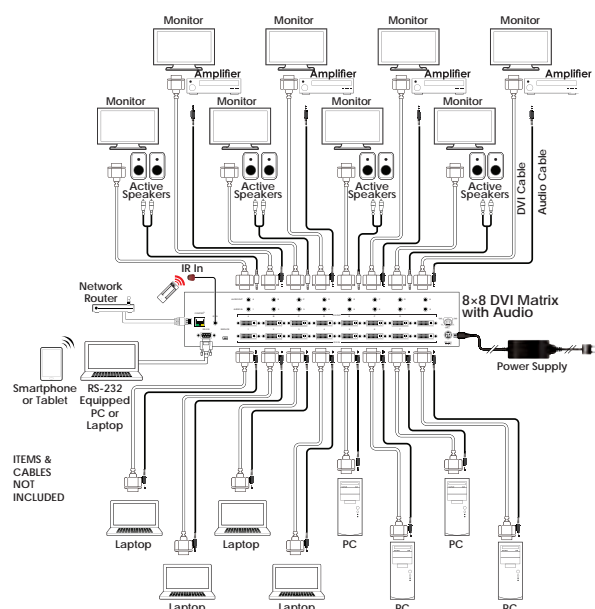
### 8x8 DVI MATRIX WITH 3.5MM ANALOG AUDIO

The 8 by 8 DVI Matrix with Audio is the perfect choice for the switching and distribution of DVI sources. Connect up to eight DVI sources to eight DVI displays allowing any source to be independently displayed on any monitor. Each DVI input and output has a corresponding 3.5mm mini-jack connection allowing for analogue audio to be distributed. The Matrix can be controlled via its front panel, IR, RS-232 or Telnet and Web GUI over IP. The matrix supports a full range of PC and HDTV timings up to WUXGA and 1080p, 2.25Gbps bandwidth, 12-bit Deep Colour, and 3D.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D feature (with HDMI to DVI adaptor cable)
- Supports resolutions to VGA ~ WUXGA and 480i~1080p dependent upon the output display's EDID settings
- Supports stereo audio input and output via 3.5mm minijack cables
- Supports 3D signal dependent upon the output display's EDID settings
- Supports IR extension
- Supports RS-232, remote control, on-panel control and IP Control (Telnet)
- 2U size design



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8x DVI	8x DVI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-8D8DSA







## □ HDMI Matrix

### HDMI V1.2 MATRIX 2X2 EXTERNAL IR & RS232

#### 2 INPUT X 2 OUTPUT WITH REMOTE CONTROL & RS232 PORT

Cypress CHMX-22 is a high performance HDMI Matrix with remote control. It offers you maximum convenience in HDMI signal distribution when you have two HDMI sources and displays to connect together. Each of the two HDMI sources can be directed to any one of the two HDMI displays so each can show different sources. When HDMI signal progresses through CHMX-22, it is re-timed, and level-compensated, so the output is a regenerated HDMI signal that can travel for another 25 metres. It can also be cascaded to multiple tiers.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Compatible with all HDMI sources and displays.
- Supports high resolution input/output.
- PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) &
- HDTV: 480i, 576i, 480p, 576p, 1080i and 1080p.
- RS-232 control.
- IR remote control.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.2	-	2x HDMI	2x HDMI	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-22

### HDMI V1.2 MATRIX 2X2

#### 2 INPUT X 2 OUTPUT WITH REMOTE CONTROL

Cypress CHMX-22AS is a high performance HDMI Matrix with remote control. It offers you maximum convenience in HDMI signal distribution when you have multiple HDMI sources and displays to connect together. Each of the two HDMI sources can be directed to any one of the two outputs, so two displays can show 2 identical or 2 different sources at the same time. CHMX-22AS provides maximum of 4 possible connection scenarios between sources and displays. When HDMI signal progresses through CHMX-22AS, it is re-timed, and level-compensated, so the output is a regenerated brand new HDMI signal that can run for another 25 metres and can be cascaded.

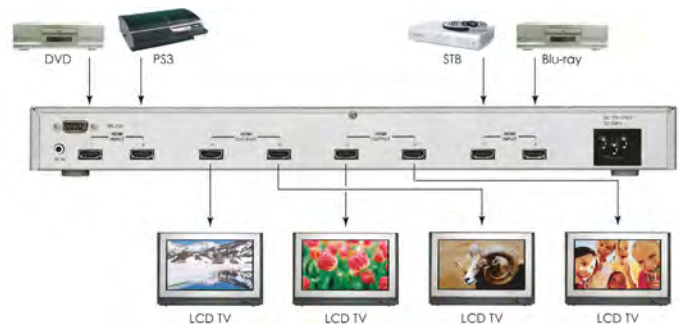
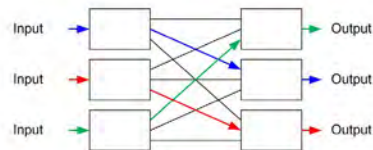
- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a well tuned standard HDMI signal.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Compatible with all HDMI sources and displays.
- Supports high resolution input/output.
- PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) &
- HDTV: 480i, 576i, 480p, 576p, 1080i and 1080p.
- IR remote control.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.2	-	2	2	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-22AS

### MATRIX EXAMPLE

CHMX-44 Shown here...





## HDMI V1.2 MATRIX 2X4

### 2X HDMI INPUT - 4X HDMI OUTPUT WITH REMOTE CONTROL

Cypress CHMX-24 is a high performance HDMI Matrix with remote control. It offers you maximum convenience in HDMI signal distribution when you have multiple HDMI sources and displays to connect together. Each of the two HDMI sources can be directed to any one of the four outputs so four displays can show identical or two pairs of different sources at the same time. CHMX-24 provides maximum of 8 possible connection scenarios between sources and displays. When HDMI signal progresses through CHMX-24, it is re-timed, and level-compensated, so the output is a regenerated brand new HDMI signal that can run for another 25 metres and can be cascaded.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a well tuned standard HDMI signal.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Compatible with all HDMI sources and displays.
- Supports high resolution input/output.
- PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) &
- HDTV: 480i, 576i, 480p, 576p, 1080i and 1080p.
- RS-232 control.
- IR remote control.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
HDMI	1.2	-	2x HDMI	4x HDMI	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-24

## HDMI V1.2 MATRIX 4X2

### 4X HDMI INPUT - 2X HDMI OUTPUT WITH REMOTE CONTROL

High performance HDMI Matrix with remote control offers you maximum convenience in HDMI signal distribution when you have multiple HDMI sources and displays to connect together. Each of the four HDMI sources can be directed to any one of the two outputs, so two displays can show 2 identical or different sources at the same time. When HDMI signal progresses through CHMX-42, it is re-timed, and level-compensated, so the output is a regenerated brand new HDMI signal that can run for another 25 metres and can also be cascaded. Excellent quality, full bandwidth HDMI switching solution from Cypress.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a well tuned standard HDMI signal.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Compatible with all HDMI sources and displays.
- Supports high resolution input/output.
- PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) &
- HDTV: 480i, 576i, 480p, 576p, 1080i and 1080p.
- RS-232 control.
- IR remote control.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
HDMI	1.2	-	4	2	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-42

## HDMI V1.2 MATRIX 4X4

### 4X HDMI INPUT - 4X HDMI OUTPUT WITH REMOTE CONTROL

Cypress CHMX-44 is a high performance HDMI Matrix with remote control. It offers you maximum convenience in HDMI signal distribution when you have multiple HDMI sources and displays to connect together. Each of the four HDMI sources can be directed to any one of the four HDMI displays so each can show different sources. When HDMI signal progresses through CHMX-44, it is re-timed, and level-compensated, so the output is a regenerated HDMI signal that can travel for another 25 metres. It can also be cascaded to multiple tiers.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Input source LED indicators on each output select.
- Ideal for home theatre integration, conference room and retail stores.
- Compatible with all HDMI sources and displays.
- Supports high resolution input/output.
- PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) &
- HDTV: 480i, 576i, 480p, 576p, 1080i and 1080p.
- RS-232 control.
- IR remote control.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
HDMI	1.2	-	4x HDMI	4x HDMI	-	-	Yes	Yes	UXGA/1080p	Metal	CHMX-44





## HDMI V1.3 MATRIX 2X2

### 2 INPUT X 2 OUTPUT WITH REMOTE CONTROL & RS232 PORT

With HDMI products gaining in popularity consumers are beginning to look for a way to connect their various devices. The HDMI V1.3 Matrix is a great solution for connecting your HDMI devices and sources together, making it more convenient for you to access your content, and thanks to the remote control it's a flexible device that gives you many options of when and where to play your media. Furthermore, the HDMI V1.3 Matrix can transfer Deep Colour video and bit stream digital audio with maximum performance and it supports HDMI 1.3, HDCP 1.1 and DVI 1.0.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Deep Colour 12 bit and new lossless compressed digital audio.
- The HDMI input is compensated, clock phase adjusted, and jitter free so the output signal is as good as a standard HDMI signal.
- Supports input source LED indicators on each output.
- Compatible with all HDMI sources and displays.
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Supports RS-232 control.
- Supports IR remote control and IR extender.
- HDMI cable distance 12-bit input/output distance up to 15M/15M.
- Switchable EDID for choosing the desired resolution to display.
- Define HDCP. The LED indicates the input source's format.
- When an HDMI signal progresses through the system, it is re-timed, and level-compensated.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
HDMI	1.3	-	2x HDMI	2x HDMI	-	Yes	Yes	-	1080p	Metal	CMLUX-22S

## HDMI V1.3 MATRIX 2X4

### 2X HDMI INPUT - 4X HDMI OUTPUT WITH REMOTE CONTROL

The HDMI V1.3 Matrix is an excellent solution for connecting all of your HDMI devices and sources together and with an excellent remote control to switch between the devices and sources this system is also easy to use. Furthermore, the HDMI V1.3 Matrix can transfer Deep Colour video and bit stream digital audio, it also supports HDMI 1.3, HDCP 1.1 and DVI 1.0. High performance HDMI 1.3 Matrix with two inputs and four outputs and a remote control allowing you to link your favourite HDMI devices in order to enjoy movies, music, or games at the same time. Each of the two HDMI sources can be directed to any of the four HDMI displays or one source can be directed to all of the displays. When an HDMI signal progresses through the system, it is re-timed, and level-compensated. Define HDCP, HDMI and DVI source. The LED light will turn on to define the input sources format. Switchable EDID function for choosing the native resolution to display.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Supports digital video formats in 12 bit Deep Colour.
- Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Audio.
- The HDMI input is compensated, clock / phase adjusted and jitter free so the output is a brand new, standard HDMI signal.
- Supports input source. LED indicators on each output select.
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Supports RS-232 control.
- Supports IR remote control and IR extender.
- LPCM7.1 channels output from each independent HDMI ports.
- HDMI cable distance with 1080p/12 bit the Input distance is 10M.
- HDMI cable distance output 8bit 10M / 12 bit 6M.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
HDMI	1.3	Yes	2x HDMI	4x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-24S

## HDMI V1.3 MATRIX 4X2

### 4 INPUT BY 2 OUTPUT HDMI V1.3 MATRIX SWITCH WITH REMOTE CONTROL & RS232 PORT

The HDMI V1.3 Matrix is the ideal solution for connecting all your HDMI devices, and thanks to the included remote this system gives you complete control over your media environment. Furthermore, the HDMI V1.3 Matrix can transfer Deep Colour video and bit stream digital audio with maximum performance and supports HDMI 1.3, HDCP 1.1 and DVI 1.0. Please follow this manual to begin enjoying the benefits of your HDMI 1.3 Matrix. We suggest keeping it in a safe place for future reference. High performance HDMI 1.3 Matrix of four input and two output with a remote control for you to link your favourite HDMI devices allowing you to enjoy movies, music, or games whenever you want to. When an HDMI signal goes through the system, it is re-timed, and level-compensated. The LED light will turn on to define what the input sources format is either HDCP, HDMI or DVI. RS232 Port for professional home installations.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Deep Colour 12 bit and a new lossless compressed digital audio.
- The HDMI input is compensated, clock/phase adjusted, and jitter Free so the output is a high quality HDMI signal.
- Has input source LED indicators for each output option.
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Supports RS-232 control.
- Supports IR remote control and IR extender.
- Dolby® Digital, DTS digital audio transmission (32-192 kHz).
- LPCM7.1 channels output from each independent HDMI ports.
- HDMI cable distance with 1080p/12 bit the Input distance is 10M.
- HDMI cable distance output 8 bit 10M / 12 bit 6M.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
HDMI	1.3	Yes	4x HDMI	2x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-42S



## HDMI V1.3 MATRIX 4X4

### 4 INPUT BY 4 OUTPUT HDMI V1.3 MATRIX SWITCH WITH REMOTE CONTROL & RS232 PORT

HDMI V1.3 Matrix provides the excellent solution for connecting all the devices and sources together for your convenience use, it also provides you a variety of choices on where to play your images with remote controller. Further, HDMI V1.3 matrix can transfer Deep Colour video and bit stream digital audio with maximum performance and it supports HDMI 1.3, HDCP 1.1 and DVI 1.0. High performance HDMI 1.3 Matrix of four input and four output with remote control for you to link with your favourite HDMI devices to enjoying movies, music, or games at once. When HDMI signal progresses through the system, it is re-timed, and level-compensated. Define HDCP, HDMI and DVI source. The LED light will light up to define the input sources format. Switchable EDID function for choosing the native resolution to display.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Deep Colour 12 bit and new lossless compressed digital audio.
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Supports input source LED indicators on each output select.
- Compatible with all HDMI sources and displays.
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Supports RS-232 control.
- Supports IR remote control and IR extender.
- HDMI cable distance test with 1080p/8 bit resolution, the Input/Output source can run up to 15/15 metres. with 1080p/12 bit the Input/Output source can run up to 15/6 metres.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.3	Yes	4x HDMI	4x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-44S

## HDMI V1.3 MATRIX 8X8

### 8 INPUT BY 8 OUTPUT HDMI V1.3 MATRIX SWITCH WITH REMOTE CONTROL & RS232 PORT

The popularity of HDMI products has been increasing for several years and is now commonly seen in residential and commercial settings. As people become accustomed to HDMI and use it more often, they acquire multiple devices and then find that they need something to help them link them together. So the need for an HDMI matrix that can interconnect multiple sources and different inputs has become an obsession for some. Well no need to worry because our "HDMI V1.3 Matrix" is a powerful tool that you can use to handle all of your HDMI needs. Furthermore the matrix supports HDMI 1.3, HDCP 1.1 and DVI 1.0, and can transfer Deep Colour video and bit stream digital audio with fantastic performance. Lastly the input EDID is independent allowing each input to switch between TV or the built-in EDID.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Deep Colour 10 bits and new lossless compressed digital audio.
- The HDMI input is compensated, clock/phase adjusted and jitter free for a high quality HDMI signal and improved picture in distribution.
- Supports recall, memory and key lock function.
- Compatible with all HDMI sources and displays.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Supports RS-232 control and firmware upgrading through USB port.
- Supports IR remote control and IR extender.
- Dolby® Digital, DTS digital audio transmission (32-192kHz).
- Supports LPCM 7.1 channel output from each of the independent HDMI ports.
- HDMI cable testing showed that with a resolution 1080p/8 bits & 10 bits the Input/Output source can be 10/15M (8bit) and 10/10M away.
- Independent switchable EDID function for choosing which resolution to display for quicker initial screen.
- High performance HDMI 1.3 Matrix with eight inputs and eight outputs with a remote control in order to link multiple HDMI sources, such as movies, music and games, all at the same time.
- Supports 38KHz IR extender.
- 4U's rack design for easy installation.
- Useful hot keys for quick set up.
- Strong build quality and an intelligent design allow the HDMI V1.3 Matrix to breathe properly and not overheat.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis.	Code
HDMI	1.3	Yes	8x HDMI	8x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-88S





## HDMI V1.3 MATRIX 4X4

### 4 INPUT BY 4 OUTPUT HDMI V1.3 MATRIX SWITCH WITH REMOTE CONTROL & RS232 PORT

While HDMI products are getting more and more popular people are now starting to have more than one HDMI device. The HDMI V1.3 Matrix is the ideal solution for connecting all your HDMI devices, and thanks to the included remote this system gives you complete control over your media environment. Furthermore, the HDMI V1.3 Matrix can transfer Deep Colour video and bit stream digital audio with maximum performance and also supports HDMI 1.3, HDCP 1.1 and DVI 1.0

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Deep Colour Mode and a new lossless compressed digital audio.
- Has LED input source indicators for each output option.
- PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Has RS-232 control.
- IR remote controller and IR extender.
- Dolby® Digital, DTS digital audio transmission (32-192 kHz)
- HDMI cable distance 1080p 12-bit I/O up to 15/15 metres away.
- High performance Matrix with four inputs and four outputs.
- When the HDMI signal passes through the system it is Re-timed and level compensated to preserve signal.
- Switchable EDID function for choosing EDID to display.



Interface	Compliance	3D	Input	Output	CEC	EDID	HDCP	Cascade	Max Res.	Chassis	Code
HDMI	1.3	Yes	4x HDMI	4x HDMI	-	Yes	Yes	Yes	UXGA/1080p	Metal	CMLUX-44E

### 4x4 HDMI SEAMLESS QUAD MATRIX

The 4 by 4 HDMI Seamless Matrix Switcher allows the signal from 4 different input sources to be freely selected and arranged on 4 displays (TV or monitor), providing three output modes (Matrix, Dual and TV Wall) for various applications. Matrix mode routes the source signals to output displays as regular matrix does, Dual mode allows 2 sets of 2 selected sources to show on designate output displays with POP method and TV Wall mode extends a selected source to display on all 4 output displays as one. The device supports video timings up to WUXGA@60RB and 1080p@60Hz, audio format up to 7.1CH LPCM at 192 kHz sampling rate based on input source EDID. For all the operation/ control can be done through IR, remote control, Telnet, RS-232 or front panel buttons.

- HDMI, HDCP1.1 and DVI compliant
- Supports Deep Colour 8/10/12-bit
- Seamless switching of HDMI sources
- Supports three different display modes: Matrix, Dual and Video Wall
- In Matrix Mode: Can seamlessly switch between and output from any 4 sources to any 4 displays, as per a normal matrix switch
- In Dual Mode: Can display a POP (Picture-out-of-Picture) image combined from 2 sources to be presented on the HDMI output ports (Dual A and Dual B)
- In Video Wall Mode: Can split a single source to 4 displays e.g a 2 by 2 Video wall as a full image with adjustable Bezel Correction
- Supports control via On-screen Display (OSD), RS-232, Telnet (IP), IR Remote control and on-panel controls
- Supports Input resolutions of VGA~WUXGA and 480i~1080p
- Supports Output resolutions of 480p~1080p
- Supports different input resolution and output resolution selectable from the OSD menu. The default setting for the output resolution is 720p@60Hz/2CH LPCM
- Supports High definition Audio formats: LPCM 2CH/6CH/8CH, Dolby® Digital, DTS, Dolby® Digital Plus, Dolby® TrueHD and DTS-HD Master Audio

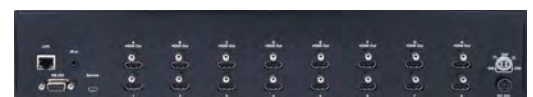


Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x HDMI	4x HDMI	-	-	-	-	Yes	Yes	-	Yes	Yes	CDPS-44SM

### 8x8 HDMI MATRIX

The 8 by 8 HDMI™ Matrix supports the transmission of video signals (up to 1080p Full HD / 1920x1200@60Hz) with multi-channel digital audio from up to eight high definition sources to up to eight HDMI outputs, allowing any source to be independently displayed on any monitor. Also, the unit can be controlled via IR, RS-232, Telnet, Web GUI or from the front panel buttons.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI features including 3D
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- Supports resolutions VGA~WUXGA and 480i~1080p dependent upon the output display's EDID settings
- Supports 3D signal display dependent upon the output display's EDID settings
- Supports HDMI input up to 15 metres at 8-bit resolution or 10 metres at 12-bit resolution and HDMI output up to 15 metres at 8-bit/12-bit
- Supports IR extension
- Supports RS-232, remote control, on-panel control and IP Control (Telnet)
- 2U size design



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8x HDMI	8x HDMI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-8H8HS





## 4x2 / 4x4 4K UHD HDMI MATRIX

The CMPRO-4H4H/CMPRO-4H2H Matrixes are 4 by 4 and 4 by 2 HDMI Matrixes which allow HDMI signal from any of their four sources to be routed to and displayed on any of four/two connected HDMI displays simultaneously. With fast switching technology the device can greatly eliminate the time required by swapping or turning on/off the connected displays. It supports 3D, 3Gbps bandwidth, 12-bit Deep Colour, Hi-Def lossless audio and other features defined by HDMI specifications. The management of source/sink scenarios can be operated easily through on-panel buttons, IR remote controller, RS-232 or Web GUI control.

- Supports HDTV resolutions up to 4K2K@30 Hz
- Supports LPCM 7.1CH, Dolby® TrueHD, and DTS-HD Master Audio
- Supports 1080p@60 Hz, Deep Colour 48/36/30/24-bit
- Supports Internal/External EDID
- Supports IR, RS-232, and Web GUI controls



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x HDMI	2x HDMI	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMPRO-4H2H
4x HDMI	4x HDMI	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMPRO-4H4H

## 4x4 HDMI UHD AND AUDIO MATRIX WITH FAST SWITCHING

The 4 by 4 HDMI UHD and Audio Matrix allows HDMI and audio signals to be routed to and simultaneously displayed on any of its four connected HDMI displays and/or audio output equipment. The addition of audio selection and extension features allows users to utilize both video and audio more efficiently. Fast Switching technology can greatly reduce the time required to swap between inputs. It supports the latest HDMI features such as 4K2K, 3D, 36-bit Deep Colour. All operation and control can be done via on-panel buttons, IR remote control, RS-232 or Ethernet protocol.

- HDMI (with 3D & 4K2K support), HDCP and DVI compliant
- Supports four HDMI inputs and four HDMI outputs
- Supports external audio inputs and outputs for HDMI outputs selection and additional audio extension up to 300m
- Displays any of four High-Definition sources on four HDTV displays simultaneously with Fast Switching technology
- Supports 3D signals
- Supports HDTV resolutions up to 4K2K (3840x2160@24/25/30/50/60Hz@YUV420 & 4096x2160@24/50/60Hz@YUV420)
- Supports data rates up to 340Mbps/10.2Gbps and 'Deep Colour' up to 1080p 36-bit resolution
- EDID setting can be applied individually or globally on the input ports
- Supports LPCM 2CH, Dolby® Digital 2~5.1CH and DTS 2~5.1CH
- HDMI inputs support 'Standard' and 'Apple®' HDCP modes
- Supports MUTE function of Video and/or audio on each output port



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
4x HDMI	4x HDMI	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CDPS-U4H4HSA

## 6x2 4K UHD HDMI MATRIX WITH FAST SWITCHING

The 6 by 2 HDMI matrix which allows HDMI signal from any of its six sources to be routed to and displayed on any of its two connected HDMI displays simultaneously with View All Mode and Picture-in picture (PIP) supported. With fast switching technology the device can greatly eliminate the time required by swapping or turning ON/OFF the connected displays. It supports 4Kx2K, 3D, 36-bit Deep Colour, Hi-Def lossless audio and other features defined by HDMI specifications. The management of source/sink scenarios can be operated easily through on-panel buttons, IR remote control, RS-232 or Ethernet protocol.

- HDMI, HDCP 1.1, DVI compliant
- Resolutions supported: HDTV - 480i to 1080p plus 1080p24fps, and 4K2K; PC - VGA to WUXGA
- High Definition audio supported: Dolby® True-HD, Dolby® Digital Plus, DTS-HD Master Audio + 7.1 Channel LPCM
- RS-232, Telnet or IP Control, IR Remote Control (supplied), Web GUI Control
- Supports audio extraction from HDMI input to Optical output, input audio sampling rate up to 192 kHz
- Ability to switch between any two sources within 1 second
- Built-in EDID Management
- Supports 3D and 4K signals
- Cutting edge Picture in Picture preview function:
  - When in Preview mode, the system will be treated as a Switcher (two simultaneous HDMI outputs)
  - In Preview mode, the unit supports 'View All' (1 Main video source and 5 Sub video sources) and 'PIP' (1 Main video source and 1 Sub video source). 3D and 4Kx2K sources inputs are not supported for subwindows
- Note: View All is TDM (Time Division Multiplexing display)



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
6x HDMI	2x HDMI	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CDPS-6H2HFS





## □ CAT 6 Matrix Switches

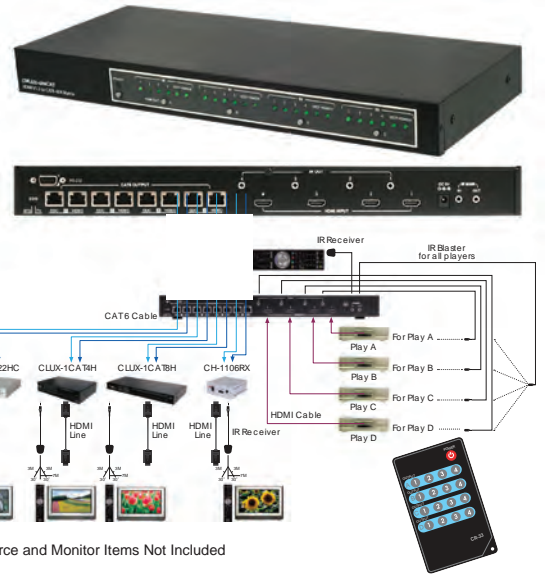
### TWIN CAT6 AND HDMI EXTENDER MATRIX

#### REMOTE CONTROLLED - HIGH PERFORMANCE

4 x 4 HDMI over TWIN CAT6 Matrix that is a high performance device, boasting features such as a remote control, IR blaster and IR receiver. Compatible with Deep Colour Video and high definition digital audio, this device has the ability to direct any of its four HDMI sources to any of the four HDMI displays, with each display showing a different source. CAT 6 cables for long operating distance (50M at 1080p 8 bits). Four individual output IR blasters for controlling input sources.

- HDCP 1.1 and DVI 1.0 compliant.
- Deep Colour Video of up to 36 bits (12 bits/colour) and high definition.
- Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Audio)
- When the HDMI signal passes through this device it is compensated, clock/phase adjusted and jitter free.
- Supports PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Has RS-232 control.
- Supports IR remote control with an IR extender and blaster.
- Dolby® Digital, DTS digital audio transmission (32-192 kHz Fs sample rate).
- Indicates whether the source is HDCP, HDMI or DVI via an LED light.
- Cable testing showed that at 1080p/8 or 12 bits resolution up to 50M and the input & output source(s) can be up to 15 metres away.

Includes remote control receiver and transmitter units.  
Use with CH106, CH1106, CLUX22HC, CLUX-1H4/8CAT

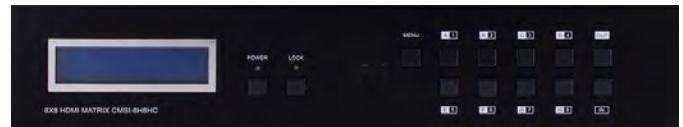
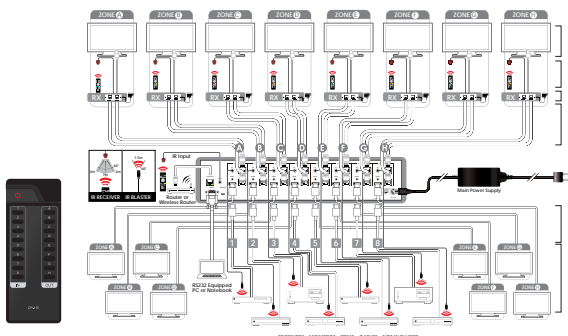


Compliance	Input	Output	3D	CEC	EDID	HDCP	Max.	Code
1.3	4x HDMI	4x Dual Cat-6	Yes	-	Yes	Yes	45M/8Bit or 10M/12Bit	CMLUX-4H4CAT

### 8x8 HDMI MATRIX WITH SIMULTANEOUS HDMI AND DUAL CAT6 OUTPUTS

The 8 by 8 HDMI™ Matrix with simultaneous HDMI and CAT6 outputs connects eight HDMI sources to up to 16 displays. This matrix features 8 HDMI outputs and each HDMI output is mirrored to provide a Dual CAT6 output which runs simultaneously. Connect a CH-1106RX Receiver to each of the Dual CAT6 outputs to extend the HDMI signal up to 45m for multi-room connectivity. This matrix switcher can be controlled via the supplied IR Remote Control, RS-232, Telnet, Web GUI or by using the selection buttons on the front panel. This device supports 'Deep Colour', High Definition Audio, and 3D signal compatibility.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D pass-through
- Supports resolutions from VGA~WUXGA@60RB and HD resolutions from 480i~1080p dependent upon the display's EDID settings
- Supports transmission distances up to 45 metres through Dual CAT6 cables
- Supports 3D signal display dependent upon the display's EDID settings
- Supports simultaneous HDMI and CAT6 outputs
- Supports HDMI input up to 15 metres at 8-bit resolution or 10 metres at 12-bit resolution; CAT6 output up to 45 metres at 8-bit resolution
- Supports IR pass-back through CAT6 for source control
- Supports RS-232, remote control, on-panel control and IP Control (Telnet & Web GUI)
- 2U size design
- Supports external and internal EDID settings
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission



Input	Output	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8x HDMI	8x HDMI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-8H8HC



## □ HDBaseT Extenders

### 4x4/8x8 HDMI OVER CAT5E/6/7 MATRIX WITH LAN SERVING

The HDBaseT™ 4 by 4 and 8 by 8 HDMI Matrix over CAT5e/6/7 supports the transmission of video (resolutions 1080p Full HD up to 1920x1200@60Hz), multi-channel digital audio and control via IR, RS-232 or Telnet and Web GUI from eight high definition sources to eight outputs over a single CAT5e/6/7 cable (up to 60m) for each output. It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio as well as 3D content can be displayed when connecting a 3DTV and 3D source.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D and 4Kx2K features
- Supports resolutions VGA~WUXGA and 480i~1080p
- Supports distances up to 70 metres through CAT6/7 cables
- Supports HDMI input up to 15M at 8-bit or 10M at 12-bit resolution
- Supports bi-directional IR from input and output locations
- RS-232, remote IR, on-panel control and IP Control (Telnet & Web GUI)
- Supports external and internal EDID settings
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
4x HDMI	4x CAT5e/6/7	Yes	Yes	-	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-4H4CVL
8x HDMI	8x CAT5e/6/7	Yes	Yes	-	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-8H8CVL

### HDMI OVER CAT5E/6/7 MATRIX

The HDBaseT™ 4 by 4 or 8 by 8 HDMI Matrix over CAT5e/6/7 supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio and control via IR, RS-232, Telnet or Web GUI from four or eight high definition sources to four or eight outputs over a single CAT5e/6/7 cable (up to 100m) for each output. It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio as well as 3D content that can be displayed when connecting a 3DTV and 3D source. Power over Ethernet (PoE) support means that compatible receivers do not need their own power supplies, allowing for greater flexibility in installations.

- HDMI, HDCP1.1 and DVI compliant
- Supports HDMI 3D and 4Kx2K features
- VGA~WUXGA and 480i~1080p dependent upon the output display's EDID settings
- Supports distances up to 100 metres through CAT6/7 cables and 80m for CAT5e
- Supports 3D signal display dependent upon the output display EDID settings
- Supports PoE (Power over Ethernet) on compatible receivers only
- Supports HDMI input up to 15M at 8-bit or 10M at 12-bit resolution
- Supports bi-directional IR from input and output locations
- Supports RS-232, remote control, on-panel control and IP Control (Telnet & Web GUI)
- 2U size design for rack mounting
- Supports external and internal EDID settings
- LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus, DTS-HD Master Audio transmission



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
4x HDMI	4x CAT5e/6/7	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-4H4CV
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-8H8CV

### 4x8 HDMI OVER HDMI & CAT5e/6/7 MATRIX

This HDBaseT™ 4 by 8 Matrix enables the switching and distribution of four HDMI sources, allowing independent routing to any of its eight outputs. This model features 4 HDMI inputs and equipped with 4 HDMI outputs and 4 HDBaseT CAT5e/6/7 outputs. It enables the transmission of HD Video and Audio. It can be controlled via the bi-directional IR control, RS-232 pass-through, Power over Ethernet (PoE) and LAN serving to the compatible HDBaseT receivers. The system status is displayed on a LCD display at the front of the unit.

- Supports PC resolutions of VGA to WUXGA and HDTV resolutions of 480i to 1080p dependent upon the output display's resolution capabilities
- Supports distances of up to 100m for industry standard CAT5e/6/7 cables
- Supports bi-directional IR pass-through from the source and display locations
- Supports selection of Standard (Fixed) or TV (Downstream) EDID settings
- Supports HDMI 3D features for compatible sources and displays
- Supports transmission of High Definition audio: LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports control of the matrix via RS-232, IR remote control, on panel buttons and IP Control (Telnet & WebGUI)
- Supports Power over Cable (PoC) to compatible HDBaseT receiver units
- Supports LAN serving to all compatible HDBaseT receivers



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
4x HDMI	4x CAT5e/6/7, 4x HDMI	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-48E





## 8x8 HDMI OVER CAT5E/6/7 MATRIX WITH 48V POE AND LAN SERVING

The CMSI-18H8CVE is a HDBaseT Matrix which supports the transmission of Full HD video and digital audio over a single CAT5e/6/7 cable (up to 100m) for each output. It also supports high resolution digital audio formats, 3D content, Power over Ethernet (PoE) and LAN serving.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D features for compatible sources and displays
- Supports PC resolutions of VGA to WUXGA and HDTV resolutions of 480i to 1080p dependent upon the output display's resolution capabilities
- Supports distances of up to 100m for industry standard CAT5e/6/7 cables
- Supports PoE (Power over Ethernet) on compatible receivers only
- Supports HDMI input up to 15 metres at 8-bit or 10 metres at 12-bit resolution
- Supports bi-directional IR passthrough from the source and display locations
- Supports control of the matrix via RS-232, IR remote control, on-panel buttons and IP Control (Telnet/Web GUI)
- Supports LAN serving to all compatible HDBaseT Receiver
- Supports selection of Standard (Fixed) or TV (Downstream) EDID settings
- Supports pass-through of High-definition Audio: LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission



Input	Output	4K 3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-18H8CVE

## 8x8 HDMI OVER CAT5E/6/7 MATRIX WITH LAN SERVING

The HDBaseT™ 8 by 8 HDMI Matrix over CAT5e/6/7 supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio and control via IR, RS-232 or Telnet and Web GUI from eight high definition sources to eight outputs over a single CAT5e/6/7 cable (up to 100m) for each output. It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio as well as 3D content that can be displayed when connecting a 3DTV and 3D source. Power over Ethernet (PoE) support means that compatible receivers do not need their own power supplies allowing for greater flexibility in installations and Ethernet support allows devices such as Smart TVs to be connected to the network.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D and 4Kx2K features
- Supports resolutions VGA~WUXGA and 480i~1080p
- Supports distances up to 100 metres through CAT6/7 cables
- Supports PoE (Power over Ethernet) on compatible receivers only
- 5Play™ convergence
- Supports HDMI input up to 15M at 8-bit or 10M at 12-bit
- Supports bi-directional IR from input and output locations
- RS-232, remote IR, on-panel, IP Control (Telnet & Web GUI)
- Supports LAN serving function through the LAN/CONTROL port
- 2U size design 438x255x93mm
- Supports external and internal EDID settings
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus, DTS-HD



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CMSI-8H8CVE

## 4x6 HDMI OVER HDMI AND CAT5E/6/7 MATRIX WITH 24V PoC

The CMSI-46PL is a 4 x 6 Matrix suited for HDMI signal. The matrix includes 4 HDMI inputs, 2 local HDMI and 4 CAT5e/6/7 outputs. The CAT5e/6/7 outputs are based on HDBaseT™ technology and it allows the transmission of HDMI, bidirectional IR, RS-232 and PoE over 60m. The matrix can be managed through its front-panel buttons, IR remote control, RS-232, Telnet and IP (GUI) Control, with all information including system status presented on its LCM display.

- Supports PC resolutions of VGA to WUXGA and HDTV resolutions of 480i to 1080p dependent upon the output display's resolution capabilities
- Supports distances up to 70 metres through CAT6/7 cables and 70m for CAT5e cables
- Supports HDMI 3D features for compatible sources and displays
- Supports bi-directional IR pass-through from the source and display locations
- Supports selection of Standard (Fixed) or TV (Downstream) EDID settings
- Supports transmission of high-definition audio: LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports Power over Cable (PoC) to compatible HDBaseT receiver units



Input	Output	4K 3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	-	Yes	60M	Yes	CMSI-46PL



## 4x4 HDMI OVER CAT5E/6/7 MATRIX WITH LAN SERVING

The 4x4 HDMI Matrix over 4 CAT5e/6/7 with 2 HDMI outputs supports resolutions up to 1080p Full HD and 1920x1200@60Hz with multichannel digital audio from up to four high definition sources to up to four CAT5e/6/7 output and 2 HDMI synchronized with 2 CAT5e/6/7 output ports. It supports digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio. Also, 3D content can be displayed when connecting a 3DTV and 3D source. The Matrix allows the connection of source equipment to output displays, over distances of up to 100 or 60 metres along with IR and RS-232 (includes telnet) control and PoE features. Further, it allows all outputs with access of Ethernet function through the single LAN port's active connection on the device.

- HDMI, HDCP1.1 and DVI compliant
- Supports HDMI 3D and 4Kx2K features
- VGA ~ WUXGA and 480i~1080p by output display's EDID settings
- Supports extension up to 100 or 60 metres through CAT5e/6/7
- Simultaneous HDMI output display on A and C CAT5e/6/7 output
- CMSI-424E has 5Play™ convergence
- Supports PoE (Power over Ethernet) on compatible receivers only
- Supports HDMI input up to 15M with 8bits or 10M with 12bits
- Supports IR in/out from input and output locations
- Supports RS-232 (include Telnet), remote control and front panel
- 1U size design
- LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
4x HDMI	4x CAT5e/6/7, 2x HDMI	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CMSI-424E
4x HDMI	4x CAT5e/6/7, 2x HDMI	No	Yes	-	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-424L

## 4x4/8x8 4K UHD HDMI OVER CAT5e/6/7 MATRIX WITH 24V PoE

The 4x4/8x8 HDMI Matrix over CAT5e/6/7 supports transmission of video up to 4K2K, 3D contents, multi-channel digital audio and controls signals like IR flows and RS-232. The matrix supports high resolution digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio. The matrix uses HDBaseT technology which allows a transfer distance of around 60m using CAT5e/6/7 cables. The matrix can be controlled by the integrated keypad, by IR Control, by RS232 and by GUI and Telnet. The Power over cable (PoE) feature can power compatible receivers, providing greater flexibility in installations.

- HDMI, HDCP1.1 and DVI compliant
- Supports PC resolutions of VGA to WUXGA and HDTV resolutions up to 4K2K dependent upon the output display's resolution
- Supports HDMI 3D features for compatible sources and displays
- Supports distances of up to 70 metres for industry standard CAT5e/6/7 cables
- Supports HDMI cable input length up to 15 metres at 8-bit colour depth or 10 metres at 12-bit colour depth
- Supports bi-directional IR pass-through from the source and display locations
- Supports control of the matrix via RS-232, IR remote control, on-panel buttons and IP Control (Telnet & Web GUI)
- Supports selection of Standard (Fixed) or TV (Downstream) EDID settings
- Supports transmission of High-definition Audio: LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
4x HDMI	4x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMPRO-U4H4CVPL
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMPRO-U8H8CVPL

## 4x4/8x8 HDMI 4K UHD OVER CAT5e/6/7 MATRIX

These HDBase-T matrixes support the transmission of high quality video with resolution up to 1080p/4K and digital audio. They support control from IR or a RS-232 pass-through. A LAN serving port allows a network connection to smart TVs or game console.

- HDMI, HDCP 1.1 and DVI compliant
- Supports resolutions VGA~WUXGA and 480i~1080p/4K2K dependent upon the output display's EDID settings
- Supports 3D signal display dependent upon the output display EDID settings
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- Supports distances up to 100 metres through CAT6/7 cables
- Supports HDMI input up to 15 metres at 8-bit or 10 metres at 12-bit resolution
- Supports LAN serving function through the LAN port
- Supports PoC (Power over Cable) on compatible receivers only
- Supports bi-directional IR from input and output locations
- Supports RS-232, remote control, on-panel control and IP Control (Telnet & Web GUI)
- Supports external and internal EDID settings



Input	Output	4K	3D	HD Audio	IR Extension	RS232 Extension	Ethernet	PoE	Cable Length	HDCP	Code
4x HDMI	4x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMPRO-U4H4CVE
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes			Yes	Yes	100M	Yes	CMPRO-U8H8CVE





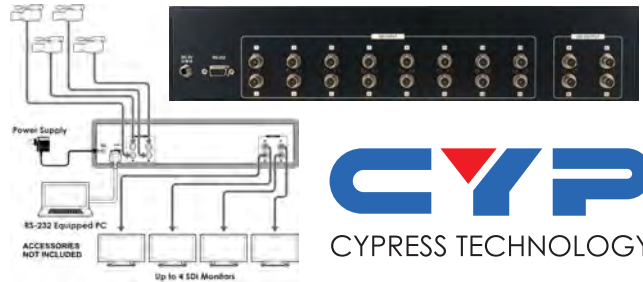
## □ SDI Switching Splitter

### 16x4 / 12x4 / 8x4 / 4x4 3G-SDI MATRIX

The 3G-SDI Matrix series allows SD-SDI, HD-SDI and 3G-SDI signals to be shown on SDI displays while ensuring high bit rates of 2.970 Gbps to give you fast signal transmission without signal loss. For professionals, this means that it is now easier to switch multiple 3G-SDI signals and split display of them on up to four SDI-equipped displays simultaneously. Additionally, these units can be controlled with the supplied IR remote, the front panel keys or RS-232 control functions.

- 3G-SDI input sources can be selected and split or switched to four 3G-SDI displays simultaneously
- Operation at 2.970 Gbps, 2.970/1.001 Gbps, 1.485 Gbps, 1.485/1.001 Gbps and 270 Mbps
- Supports SMPTE 425M (Level A and Level B), SMPTE424M, SMPTE 292M, SMPTE 259M-C
- Connect using other units to extend your signal over long distances
- Signal is equalized and re-clocked
- Supports signal input and output distances of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals

Input	Output	Code
4x SDI	4x SDI	CMSDI-44
8x SDI	8x SDI	CMSDI-84
12x SDI	12x SDI	CMSDI-124
16x SDI	16x SDI	CMSDI-164



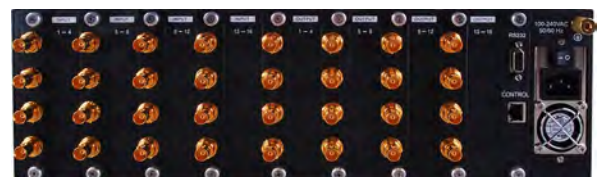
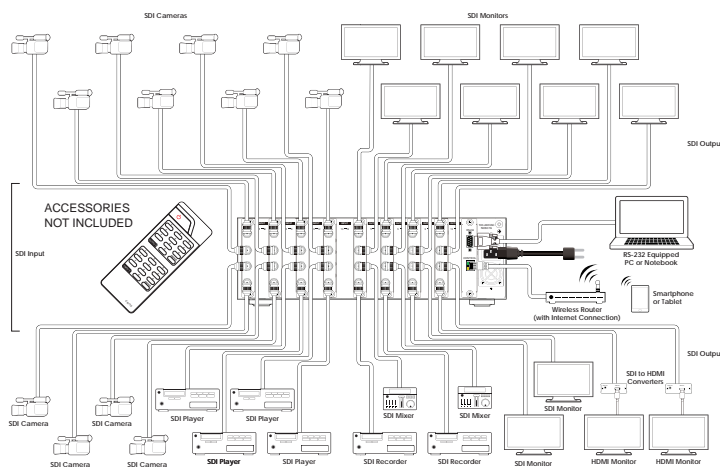
**CYP**  
CYPRESS TECHNOLOGY

### 16x16 3G-SDI MODULARIZED MATRIX

This 16x16 3G-SDI Hybrid Modular Matrix can switch and distribute up to sixteen SDI sources to a combination of up to sixteen SDI sinks, providing bandwidth up to 2.970Gb/s for 3G-SDI video support. In addition, this matrix also features IP control allowing users to access and control the matrix remotely.

- Supports SDI input/output video formats: SD-SDI, HD-SDI and 3G-SDI
  - SD-SDI (SMPTE 259M-C, at bitrates of 270 Mbit/s)
  - HD-SDI (SMPTE 292M, at bitrates of 1.485Gbit/s and 1.485/1.001 Gbit/s)
  - 3G-SDI (SMPTE 424M/425M-A and B, at bitrates of 2.970Gbit/s and 2.970/1.001 Gbit/s)
- Signal equalized and re-clocked to improve signal transmission distances
- Supports signal input and output distances of up to 250m for SD-SDI signals, 200m for HD-SDI signals and 100m for 3GSDI signals
- Supports audio sampling rate at 48 kHz
- Connects with other units to extend your signal over longer distances
- 3U rack mountable design

Input	Output	Code
16x SDI	16x SDI	CMSDI-1616S



### INPUT/OUTPUT MODULES FOR 3G-SDI MODULARISED MATRIX

Optional modules for 3G-SDI modularised matrix

Description	Input	Output	Code
4x Optical Fibre inputs module for SDI matrix	4x Optical fibre	-	CIN-4OF
4x SDI inputs module for SDI matrix	4x SDI	-	CIN-4S
2x SDI and 2x HDMI outputs module for SDI matrix	-	2x HDMI, 2x SDI	COUT-2H2S
4x Optical Fibre outputs module for SDI matrix	-	4x Optical fibre	COUT-4OF
4x SDI outputs module for SDI matrix	-	4x SDI	COUT-4S



## □ Modularised Matrix

### 8/16/32 MODULARISED HYBRID MATRIX

The 32 by 32 / 16 by 16 / 8 by 8 Modularised Matrix provides a professional way to route up to 32 sources to 32 displays over different formats, currently it supports inputs of HDMI, DVI-D and VGA, and outputs of HDMI, DVI-D and HDBaseT™ of different specs. This grand matrix, with its modularisation design, provides ultimate flexibility by allowing the use of any combination of HDMI, DVI-D, and HDBaseT output cards in any of its four output slots. So besides functioning as a matrix, CMSI-3232 can be a converter or an extender. Controls via front-panel buttons, IR remote control, RS-232, Telnet and IP Control, with all information including system status presented on its LCM display.

- HDMI, HDCP 1.1 and DVI 1.0 compliant
- Changeable input and output boards
- Input and output module types can be mixed and added in increment of 8 from 8x8 up to 32x32 with HDMI, DVI, CAT5e/6/7 and VGA interfaces
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA and 480i to 1080p or 4K2K
- Supports RS-232, Telnet and Web GUI controls
- Supports redundant power supply
- HDMI cable length with a resolution 1080p/8-bit and 12-bit the Input/Output source can be 15m/15m (8-bit) and 10/10m (12-bit) away
- CAT5e/6/7 cable length with a resolution 1080p/8-bit and 12-bit the Input/Output source can be 100m/100m away
- EDID modes support: Standard mode: Factory default, Automatic mode: Takes EDID from the lowest output, Manual mode: Assigns any output to any input port
- HDBaseT 5Play™ convergence: Video, Audio, PoE, Ethernet & Control (IR & RS-232)



Inputs	Outputs	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8xHDMI or DVI or CAT5e/6/7 or VGA	8xHDMI or DVI or CAT5e/6/7	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-88
8xHDMI or DVI or CAT5e/6/7 or VGA	8xHDMI or DVI or CAT5e/6/7	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-1616
8xHDMI or DVI or CAT5e/6/7 or VGA	8xHDMI or DVI or CAT5e/6/7	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CMSI-3232

### INPUT/OUTPUT MODULES FOR HYBRID MODULARISED MATRIX

The 32 by 32 / 16 by 16 / 8 by 8 Modularised Matrix provides a professional way to route multiple sources to multiple displays over different formats, currently it supports inputs of HDMI, DVI-D, VGA, HDBaseT™ and outputs of HDMI, DVI-D and HDBaseT™ of different specs. This grand matrix, with its modularisation design, provides ultimate flexibility by allowing the use of any combination of HDMI, DVI-D, and HDBaseT output cards in any of its four output slots. (Note: Customers should notify the type of input and output configuration when ordering)



Inputs	Outputs	4K	3D	ARC	HEC	Deep Colour	HD Audio	CEC	EDID	HDCP	Code
8xCAT5e/6/7	-	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8CV-5PLAY
8xDVI	-	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8DS
8xHDMI	-	-	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8HS
8xHDMI	-	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	CIN-8HS4K
8xVGA	-	-	-	-	-	-	-	-	Yes	-	CIN-8VGA
-	8xRJ45	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8CV-4PLAY
-	8xRJ45	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8CV-5PLAY
-	8xRJ45	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8CV-3PLAY
-	8xDVI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8DS
-	8xHDMI	-	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8HS
-	8xHDMI	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	COUT-8HS4K





## □ AV Extenders

## □ Extenders X-Ref

### CYPRESS AV EXTENDERS QUICK GUIDE

#### VIDEO OVER HDBaseT

Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
HDBaseT HDMI/VGA Transmitter over CAT5/6/7 with Video scaling	1x HDMI, 1xVGA	1x CAT5e/6/7	-	-	1080p	100M (@ 1080p)	CH-520TXAHS
HDBaseT HDMI Receiver over CAT5/6/7 with Video scaling	1x HDMI, 1x CAT5e/6/7	1x HDMI	-	-	1080p	100M (@ 1080p)	CH-521RXHS
HDBaseT VGA/CV Transmitter over CAT5/6/7 with Video scaling	1x VGA, 1x CV	1x CAT5e/6/7	-	-	1080p	100M (@ 1080p)	CH-516TXAS
HDBaseT HDMI Receiver over CAT5/6/7 with Video scaling	1x CAT5e/6/7	1x HDMI	-	-	1080p	100M (@ 1080p)	CH-517RXHS
HDBaseT HDMI Transmitter over CAT5/6/7 with 48V PoE	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1601TX
HDBaseT HDMI Receiver over CAT5/6/7 with 48V PoE	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1601RX
HDBaseT HDMI Transmitter over CAT5/6/7 with 48V PoE	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1527TX
HDBaseT HDMI Receiver over CAT5/6/7 with 48V PoE	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1527RX
HDBaseT HDMI Transmitter over CAT5/6/7 with 48V PoE	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1507TX
HDBaseT HDMI Receiver over CAT5/6/7 with 48V PoE	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1507RX
HDBaseT HDMI Transmitter over CAT5/6/7 with 48V PoE	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-2507TX
HDBaseT HDMI Receiver over CAT5/6/7 with 48V PoE	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-2507RX
HDBaseT HDMI Transmitter over CAT5/6/7 with 6 LAN ports	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1109TXC
HDBaseT HDMI Receiver over CAT5/6/7 with 6 LAN ports	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-1109RXC
HDBaseT HDMI Transmitter over CAT5/6/7 with bidirectional PoE	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-507TXBD
HDBaseT HDMI Receiver over CAT5/6/7 with bidirectional PoE	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-507RXBD
HDBaseT HDMI Transmitter over CAT5/6/7 with PoE	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-507TX
HDBaseT HDMI Receiver over CAT5/6/7 with PoE	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-507RX
HDBaseT HDMI Transmitter over CAT5/6/7 with RS-232	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-506TX
HDBaseT HDMI Receiver over CAT5/6/7 with RS-232	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-506RX
HDBaseT HDMI Transmitter over CAT5/6/7 with RS-232	1x HDMI	1x CAT5e/6/7	Yes	Yes	1080p**	100M (@ 1080p)	CH-501TX
HDBaseT HDMI Receiver over CAT5/6/7 with RS-232	1x CAT5e/6/7	1x HDMI	Yes	Yes	1080p**	100M (@ 1080p)	CH-501RX
HDBaseT DVI Transmitter with 4 LAN ports	1x DVI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CDVI-1109TXC
HDBaseT DVI Receiver with 4 LAN ports	1x DVI	1x DVI	Yes	Yes	4Kx2K	100M (@ 1080p)	CDVI-1109RXC
HDBaseT 8 WAY HDMI point to point Transmitter with 8x8 IR Matrix	8x HDMI	8x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CSI-8H8CV2IR
HDBaseT 8 WAY HDMI point to point Transmitter over CAT5/6/7	8x HDMI	8x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@ 1080p)	CSI-8H8CVTX
HDBaseT HDMI/Audio Receiver with Bidirectional PoE	1x CAT5e/6/7	2x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-526RX
HDBaseT HDMI Receiver with Bidirectional LAN serving	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CH-515RXPT
HDBaseT Dual HDMI Output Receiver with Bidirectional PoE	1x CAT5e/6/7	2x HDMI	Yes	Yes	4Kx2K	100M (@ 1080p)	CHDBR-2HE
HDBaseT HDMI/Audio Receiver with Bidirectional PoE	1x CAT5e/6/7	2x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-526RXPL
HDBaseT HDMI Transmitter with Bidirectional PoE	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-506TXPLBD
HDBaseT HDMI Receiver with Bidirectional PoE	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-506RXPLBD
HDBaseT HDMI over CAT5/6/7 Transmitter with PoE	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-506TXPL
HDBaseT HDMI over CAT5/6/7 Receiver with PoE	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-506RXPL
HDBaseT HDMI over CAT5/6/7 Transmitter with RS-232	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-506TXL
HDBaseT HDMI over CAT5/6/7 Receiver with RS-232	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-506RXL
HDBaseT HDMI over CAT5/6/7 Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-514TXL
HDBaseT HDMI over CAT5/6/7 Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-514RXL
HDBaseT HDMI over CAT5/6/7 Transmitter	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-514TXLN



## CYPRESS AV EXTENDERS QUICK GUIDE - Continued...

### VIDEO OVER HDBaseT

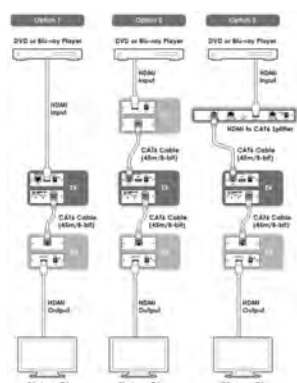
Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
HDBaseT HDMI over CAT5/6/7 Receiver	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-514RXLN
HDBaseT HDMI over CAT5/6/7 Transmitter with RS-232	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-513TXL
HDBaseT HDMI over CAT5/6/7 Receiver with RS-232	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-513RXL
HDBaseT HDMI over CAT5/6/7 Transmitter with RS-232	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-513TXLN
HDBaseT HDMI over CAT5/6/7 Receiver with RS-232	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	60M (@ 1080p)	CH-513RXLN
HDBaseT DVI over CAT5/6/7 Transmitter	1x DVI	1x CAT5e/6/7	Yes	Yes	4Kx2K	60M (@ 1080p)	CDVI-513TXL
HDBaseT DVI over CAT5/6/7 Receiver	1x CAT5e/6/7	1x DVI	Yes	Yes	4Kx2K	60M (@ 1080p)	CDVI-513RXL

### HDMI WALL-PLATE EXTENDER

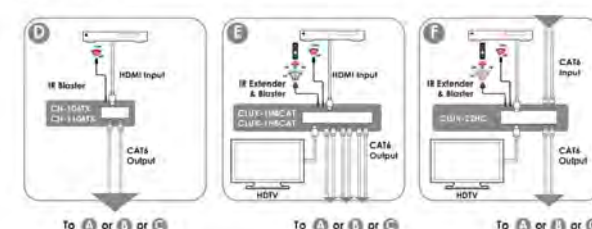
Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
HDBaseT HDMI Transmitter wall plate over CAT5/6/7	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	100M (@1080p)	CH-507TXWPBD
HDBaseT HDMI Receiver wall plate over CAT5/6/7	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	100M (@1080p)	CH-507RXWPBD
HDBaseT HDMI Transmitter wall plate over CAT5e/6/7	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	100M (@1080p)	CH-507TXWPUS
HDBaseT HDMI Receiver wall plate over CAT5e/6/7	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	100M (@1080p)	CH-507RXWPUS
HDBaseT HDMI Receiver wall plate over CAT5e/6/7 with CAT5e/6/7 input	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@1080p)	CH-507RXWP
HDBaseT HDMI Transmitter wall plate over CAT5e/6/7	1x HDMI	1x CAT5e/6/7	Yes	Yes	4Kx2K	100M (@1080p)	CH-506TXWP
HDBaseT HDMI Receiver wall plate over CAT5e/6/7	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	100M (@1080p)	CH-506RXWP
HDBaseT HDMI Receiver wall plate over CAT5e/6/7 (70M)	1x CAT5e/6/7	1x HDMI	Yes	Yes	4Kx2K	60M (@1080p)	CH-514RXWPL

### HDMI OVER CAT 5/6/7 EXTENDERS

Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
HDMI Over 1x CAT6 Transmitter EDID	1x HDMI	1x CAT6	-	Yes	1080p	45M @ 8-bit, 10M @ 12-bit	CH-1107TX
HDMI Over 1x CAT6 Receiver	1x CAT6	1x HDMI	-	Yes	1080p	45M @ 8-bit, 10M @ 12-bit	CH-107RXN
HDMI Over 1x CAT6 Extender	1x CAT6 / 1x HDMI	1x CAT6	-	Yes	1080p	45M @ 8-bit, 10M @ 12-bit	CH-1107EX
HDMI over Single CAT6 Transmitter with IR Control	1x HDMI	1xCAT6	-	Yes	1080p	45M @ 8-bit, 10M @ 12-bit	CH-110TX
HDMI over Single CAT6 Receiver with IR Control	1xCAT6	1x HDMI	-	Yes	1080p	45M @ 8-bit, 10M @ 12-bit	CH-110RX
HDMI over Dual CAT5e/6/7 Transmitter	1x HDMI	Dual CAT6	-	Yes	1080p	45M @ 8-bit, 20M @ 12-bit	CH-1106TX
HDMI over Dual CAT5e/6/7 Receiver	Dual CAT6	1x HDMI	-	Yes	1080p	45M @ 8-bit, 20M @ 12-bit	CH-1106RXN
HDMI over Dual CAT5e/6/7 Transmitter with IR	1x HDMI	Dual CAT6	-	Yes	1080p	45M @ 8-bit, 20M @ 12-bit	CH-106TXN
HDMI over Dual CAT5e/6/7 Receiver with IR	Dual CAT6	1x HDMI	-	Yes	1080p	45M @ 8-bit, 20M @ 12-bit	CH-106RXN
HDMI over Dual CAT6/7 Transmitter	1x HDMI	1xCAT6	-	Yes	1080p	45M @ 8-bit, 15M @ 12-bit	CH-1103TX
HDMI over Dual CAT6/7 Receiver	1xCAT6	1x HDMI	-	Yes	1080p	45M @ 8-bit, 15M @ 12-bit	CH-1103RX
HDMI Over 2x CAT5 Transmitter	HDMI	Twin CAT5	-	-	1080p	Depends on receiver used	CA-HDMIAT
HDMI Over 2x CAT5 Receiver 50M	Twin CAT5	HDMI	-	-	1080p	50M	CA-HDMI50R
HDMI Over 2x CAT5 Receiver 100M	Twin CAT5	HDMI	-	-	1080p	100M	CA-HDMI100R
HDMI Over 2x CAT5 Receiver 150M	Twin CAT5	HDMI	-	-	1080p	150M	CA-HDMI150R
HDMI Over 2x CAT5 Receiver 250M	Twin CAT5	HDMI	-	-	1080p	250M	CA-HDMI250R
HDMI to CAT6 Transmitter	HDMI	Twin CAT6	-	-	1080p	45M @ 8-bit, 15M @ 12-bit	CH-103TX
CAT6 to HDMI Receiver	Twin CAT6	HDMI	-	-	1080p	45M @ 8-bit, 15M @ 12-bit	CH-103RX
HDMI to Twin CAT6 Transmitter with IR	1x HDMI	Dual CAT6	-	-	1080p	45M @ 8-bit	CH-106TX
HDMI to Twin CAT6 Receiver with IR	1x Twin CAT6 / 1x IR	1x HDMI / 1x IR	-	-	1080p	45M @ 8-bit	CH-106RX



Input Connection Examples:







## CYPRESS AV EXTENDERS QUICK GUIDE - Continued...

### HDMI OVER OPTICAL FIBRE

Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
HDMI to Optical FO - Transmitter	1x HDMI	2x LC	-	-	1080p	300M	COH-TX1
HDMI to Optical FO - Receiver	2x LC	1x HDMI	-	-	1080p	300M	COH-RX1
HDMI over Optical Fibre Transmitter	1x HDMI	1x Optical	Yes	Yes	4K	300M	COH-TX2
HDMI over Optical Fibre Receiver	1x Optical	1x HDMI	Yes	Yes	4K	300M	COH-RX2
HDMI over Optical Fibre Transmitter	1x HDMI	1x Optical	-	-	1080p	300M	COHTX
HDMI over Optical Fibre Receiver	1x Optical	1x HDMI	-	-	1080p	300M	COHRX
3G-SDI over Optical Fibre Transmitter	1x SDI	1x LC	-	-	-	10km	CLUX-SDI2OF
3G-SDI over Optical Fibre Receiver	1x LC	1x SDI	-	-	-	10km	CLUX-OF2SDI

### HDMI OVER COAX

Description	Input	Output	4K	3D	Max Res.	Cable	Cable Length	Code
HDMI Over Coax Transmitter	HDMI	RGBHV Coax x5	-	-	1080p	5 Coax cables	100M	CAC-TXA
HDMI Over Coax Receiver	RGBHV Coax x5	HDMI	-	-	1080p	5 Coax cables	100M	CAC-RXA
HDMI Over Coax TX/RX Kit	HDMI / RGBHV Coax x5	HDMI / RGBHV Coax x5	-	-	1080p	5 Coax cables	100M	CAC-TXARXA

### DVI OVER CAT-5

Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
DVI over CAT5 Transmitter	DVI	2x CAT5	-	-	1080P/UXGA	Depends on the receiver	CA-DVIAT
DVI over CAT5 Receiver Box 100M	Twin CAT5	DVI	-	-	1080P/UXGA	100M	CA-DVI100R

### USB EXTENDERS OVER CAT 5

Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
HDMI/USB Over Cat5e/6 Transmitter	1xHDMI, 1xUSB, RS232, IR	1x Cat-5e/6	-	-	1080p	100M	CA-USBHUT
HDMI/USB Over Cat5e/6 Receiver	1x Cat-5e/6	1xHDMI, 4xUSB, RS232, IR	-	-	1080p	100M	CA-USBHU100R
PC Multi-Monitor Extender USB/ETHERNET to 4x HDMI	Ethernet / USB	HDMI x4	-	-	1080p	100M	CETH-4HDI
USB over Single CAT5e/6/7 Transmitter	1x USB	1x Cat-5/6	-	-	-	100M	CA-USBST
USB over Single CAT5e/6/7 Receiver 4 USB outputs	1x Cat-5/6	4x USB	-	-	-	100M	CA-USBS100R
USB over Single CAT5e/6/7 Transmitter	1x USB-B	1x Cat-5/6	-	-	-	100M	CA-USBAT
USB over Single CAT5e/6/7 Receiver 4 USB outputs	Cat-5e/6	4x USB	-	-	-	100M	CA-USB100R
USB over Single CAT5e/6/7 Transmitter (60M)	1x USB-B	1x CAT5/6	-	-	-	60M	CA-USBLT
USB over Single CAT5e/6/7 Receiver (60M)	1x CAT5/6	4x USB-A	-	-	-	60M	CA-USBL70R
USB/ETHERNET to USB HUB	1xRJ45, 1xUSB	4xUSB	-	-	-	100M	CETH-4USB

### CV/COMPONENT OVER CAT 5

Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
PC/Component over CAT5 Transmitter	D-Sub 15pin / 3.5mm & Toslink Audio	CAT5	-	-	UXGA / 1080p	Depends on the receiver	CA-COMPAT
PC/Component over CAT5 Receiver at 50 Metres	CAT5	D-Sub 15pin / 3.5mm & Toslink Audio	-	-	UXGA / 1080p	50M	CA-COMP50R
PC/Component over CAT5 Receiver at 100 Metres	CAT5	D-Sub 15pin / 3.5mm & Toslink Audio	-	-	UXGA / 1080p	100M	CA-COMP100R
SXGA & Audio over CAT5 TX/RX Pair [Not Cypress]	HD15 Male / 3.5mm +CAT5 Out	HD15 Female / 3.5mm +CAT5 In	-	-	1280x1024px		VGA300

### IR / RS-232 / ETHERNET / HDMI OVER CAT 5

Description	Input	Output	Cable Length	Code
RS232 Over Cat-5 Extender - Transmitter	1x RS232	1x Cat5/6/7	250M**	CRS-232TX
RS232 Over Cat-5 Extender - Receiver	1x Cat5/6/7	1x RS232	250M**	CRS-232RX
RS232 Over Cat-5 Extender - TX/RX Kit	1x RS232	1x RS232	250M**	CRS-232TXRX
Infrared Repeater	1xIR	2x IR, 1x RJ45	250M**	CIR-12
Infrared Extender	1x RJ45	3x IR	250M**	CIR-03
Matrix 4 by 4 Infrared	(4+1) xIR Extender	(4+1) xIR Blaster		CMIR-44





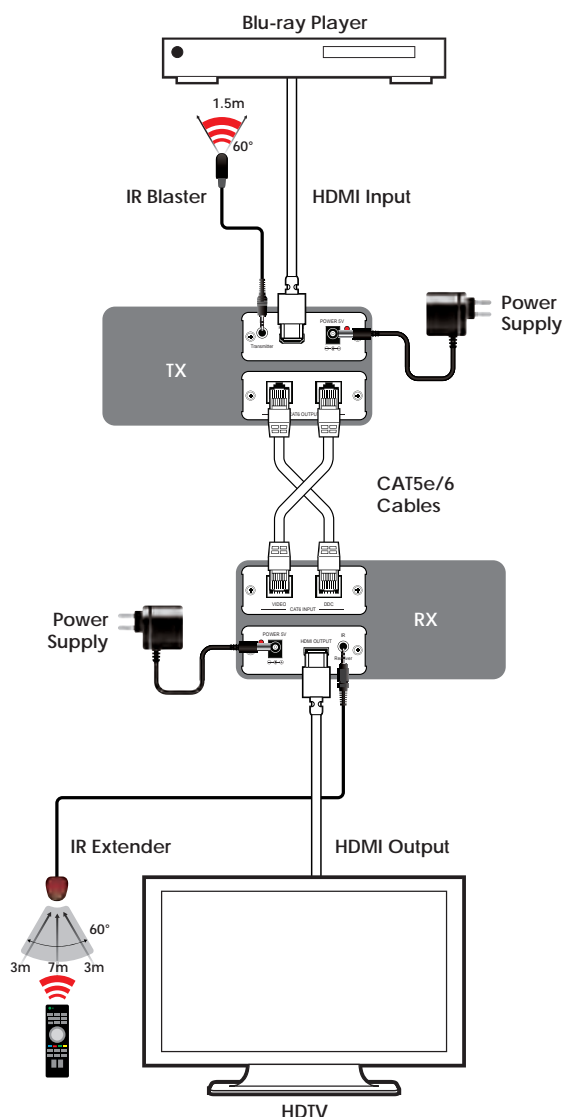
## CYPRESS AV EXTENDERS QUICK GUIDE - *Continued...*

### AUDIO EXTENDERS OVER CAT 5

Description	Input	Output	Cable Length	Code
Digital Audio over Single CAT5e/6/7 Kit	1x Coax/Optical	1x Coax/Optical	150M	CH304TXRX
Digital Audio over Single CAT5e/6/7 Transmitter	1x Coax/Optical	1x CAT5/6/7	150M	CH-304TX
Digital Audio over Single CAT5e/6/7 Receiver	1x CAT5/6/7	1x Coax/Optical	150M	CH-304RX
Digital Audio/RS-232 over CAT5e/6/7 Transmitter	2x TOSLINK I/O + RS232	2x CAT5/6/7	300M	DCT-30TX
Digital Audio/RS-232 over CAT5e/6/7 Receiver	2x CAT5/6/7	2x TOSLINK I/O + RS232	300M	DCT-30RX
Analogue Audio/RS-232 over CAT5e/6/7 Transmitter	2+2 RCA / RS232	CAT5/6	300M	DCT-32TX
Analogue Audio/RS-232 over CAT5e/6/7 Receiver	CAT5/6	2+2 RCA / RS232	300M	DCT-32RX

### REPEATERS

Description	Input	Output	4K	3D	Max Res.	Cable Length	Code
CAT5e/6/7 Repeater with HDMI Bypass Output (100M)	1x CAT5e/6/7	ETHERNET	Yes	Yes	4Kx2K	100M (@1080p)	CHDBX-1H1CE
CAT5e/6/7 Repeater (100m)	CAT5e/6/7	CAT5e/6/7	Yes	Yes	4Kx2K	100M (@1080p)	CHDBX-1C
CAT5e/6/7 Repeater with HDMI Bypass Output (60M)	1x CAT5e/6/7	1x HDMI, 1x CAT5e/6/7	Yes	Yes	4Kx2K	60M (@1080p)	CHDBX-1H1CPL
CAT5e/6/7 Repeater (60m)	CAT5e/6/7	CAT5e/6/7	Yes	Yes	4Kx2K	60M (@1080p)	CHDBX-1CL
HDMI 4K UHD Repeater	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	10M (In/Out) (@1080p)	CPRO-11SR
HDMI 4K UHD Enhancer	1x HDMI	1x HDMI	Yes	Yes	4Kx2K	15M (In/Out) (@1080p)	CPRO-UHH
HDMI Enhancer	HDMI	HDMI	-	Yes	1080p	15M (In/Out) (@1080p)	CS-HH
HDMI Repeater	HDMI	HDMI	-	-	1080p	40M In/10M Out (@1080p)	CP-1269HM
HDMI Extender/Repeater up to 15M	HDMI	HDMI	-	-	1080p	15M In/10M Out (@1080p)	CH-101
HDMI Repeater	1xHDMI	1xHDMI	-	-	1080p	12M (In/Out) (@1080p)	CP263H
DVI Repeater	1x DVI	1x DVI	-	-	1080p	12M (In/Out) (@1080p)	CP263D
Dual CAT6 Repeater	Twin CAT6	Twin CAT6	-	Yes	1080p	45M @ 8-bit, 15M @ 12-bit (In/Out) (@1080p)	CH-108



**CYP**  
CYPRESS TECHNOLOGY

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NEW VIDEO NETWORKING  
FOLLOWING PAGES...







## □ HDMI Over Optical Fibre

### COH-TX1 & COH-RX1 HDMI TO OPTICAL TRANSMITTER AND RECEIVER

#### COH-TX1 & COH-RX1 HDMI TO OPTICAL TRANSMITTER AND RECEIVER

HDMI over fibre provides maximum quality presentation with longer transmit distances of up to 300 metres or more and a thinner lighter cable for easy installation and placement. The HDMI signal is not compressed and is fully compatible with HDMI and HDCP. The nature of the fibre which provides high speed of data transmission and low power consumption that enhance it to be green product for the green world we're achieving.

- HDMI v1.2, HDCP and DVI compliance.
- Long distance transmission up to 300 metres or more.
- Thinner and lighter cable for better looking and easy installation.
- Faster speed of data transmission.
- Less power consumption and cost effective on cable.
- FPGA-based solution.
- Supports EDID reading and CEC function.
- Supports 720p/60, 1080i/60, 1080p/30 and 1080p/60 display resolutions.
- Support VGA/60, SVGA/60, XGA/60, SXGA/60, UXGA/60 Reduce Blanking, WUXGA60 Reduce Blanking.
- RS-232, IR Control.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Code
Transmitter	HDMI V1.2	1x HDMI	2x LC	-	Yes	Yes	Yes	1080p	COH-TX1
Receiver	HDMI V1.2	2x LC	1x HDMI	-	Yes	Yes	Yes	1080p	COH-RX1

### HDMI OVER OPTICAL FIBRE TRANSMITTER AND RECEIVER

With HDMI becoming more and more popular around the world, many consumers have been searching for a way to transmit HDMI signals over very long distances. The HDMI to Optical Transmitter and Receiver set which uses fibre optical cables will give you longer transmission distances (up to 300m) while also providing you with thinner, lighter cables for easier installation. With this system the HDMI signal is not compressed and is fully compliant with HDMI 1.2 and HDCP. Long transmission distances - up to 300m or more. Lower power consumption.

- HDMI v1.2, HDCP and DVI compliance
- Long transmission distances - up to 300m or more
- Thinner and lighter cables for easier, more discreet installations
- Faster data transmission
- Lower power consumption
- Support the reading of EDID information



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x HDMI	1x Optical	Duplex Optical Fibre	300M	-	-	-	-	-	Yes	COHTX
1x Optical	1x HDMI	Duplex Optical Fibre	300M	-	-	-	-	-	Yes	COHRX

### 4K HDMI OVER OPTICAL FIBRE TRANSMITTER AND RECEIVER

The 4K2K HDMI to Optical Transmitter and Receiver set uses fibre optic cables to give you longer transmission distances (up to 300m) utilizing thinner, lighter cables for greater flexibility in installations. With this system the HDMI signal is uncompressed and is fully compliant with HDMI and HDCP. Long transmission distances – up to 300m with OM3 50/125um cable (SC-SC connector).

- HDMI, HDCP and DVI compliance
- Supports 3D, 4K2K resolutions
- Long transmission distances – up to 300m with OM3 50/125um cable (SC-SC connector)
- Thinner and lighter cables for easier and more flexible installations
- Faster data transmission
- Lower power consumption
- Supports the reading of EDID information



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x HDMI	1x Optical	Duplex Optical Fibre	300M	-	Yes	Yes	Yes	Yes	Yes	COH-TX2
1x Optical	1x HDMI	Duplex Optical Fibre	300M	-	Yes	Yes	Yes	Yes	Yes	COH-RX2

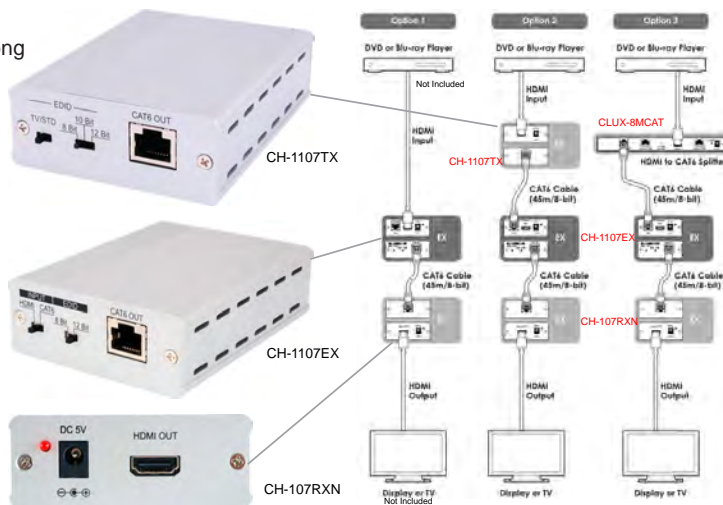


### HDMI V1.3 OVER CAT6 EXTENDER SYSTEM

#### SINGLE CAT 6 UP TO 45M

The HDMI 1.3 CAT 6 is allows for displaying HDMI content at long distances, instead of using expensive & noisy HDMI cables.

- Compliant with HDMI 1.3, HDCP 1.1 and DVI 1.1 standards.
- Deep Colour Mode at up to 36 bits (12 bits/colour).
- Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Digital audio.
- Supports one CAT-6 cable for data/DDC transmission.
- Equalises and recovers incoming TMDS data before re-transmitting it in optimal quality regardless of the incoming signal quality.
- Cable testing showed that with 1080p 8 bit resolution the HDMI input/output source can be 15 metres away.
- Cable testing showed that with 1080p 8 bit resolution the CAT6 input/output device can be 45M away (1080p 12 bit is 15 metres away).
- Support xvYCC.



Interface	Compliance	Input	Output	CEC	EDID	HDCP	Code
Transmitter	HDMI V1.3	1x HDMI	1x CAT6	-	Yes	Yes	CH-1107TX
Extender	HDMI V1.3	1x CAT6 / 1x HDMI	1x CAT6	-	Yes	Yes	CH-1107EX
Receiver	HDMI V1.3	1x CAT6	1x HDMI	-	-	Yes	CH-107RXN

### HDMI OVER CAT6 TRANSMITTER SPLITTER

#### SINGLE HDMI SOURCE TO 8X CAT6

1 by 8 HDMI v1.3 to single CAT6 Splitter can simultaneously distribute a single HDMI source to eight displays when connecting with a CAT6 to HDMI receiver. Efficient and cost effective way to link your displays, distribute HDMI signal at their full strength and at great distances. Supports 3D signals with 3D LED indicator.

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Deep colour video up to 12 bits, 1080p@60Hz.
- One HDMI source to eight CAT6 output allows users to simultaneously link eight displays with eight CAT6 to HDMI receivers.
- Transmit a single HDMI source through eight outputs no signal loss.
- LPCM 7.1Ch, Dolby® True HD, Dolby® Digital Plus and DTS-HD.
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA (1920 x 1200) and 480i to 1080p.
- Selectable EDID from either the TV or STD mode.
- Deep colour setting of 8 bits or 12 bits.
- Supports 3D signals with an LED indicator.



Description	Interface	Compliance	Input	Output	CEC	EDID	HDCP	Max.	Code
1 by 8 HDMI Over 1x CAT6 Splitter	TX x8 Out	HDMI V1.3 / DVI 1.0	1x HDMI	8x CAT6	-	Yes	Yes	45M (8bit)	CLUX-8MCAT

### HDMI OVER SINGLE CAT5e/6/7 TRANSMITTER AND RECEIVER WITH IR

The HDMI over Single CAT6 Transmitter and Receiver set can extend an HDMI and IR signals over long distances to a compatible display. A cost effective alternative to expensive HDMI cables, your existing CAT6 infrastructure can be utilized to transfer High-definition Video (up to 1080p/8-bit) and new lossless compressed digital audio formats (Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio) along with the ability to control the source device via IR from the display location.

- HDMI, HDCP and DVI compliant
- Supports digital video formats 1080p up to 24-bit (8-bit/colour) including 3D
- Supports LPCM 7.1Ch, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- Uses a single CAT6 cable for all data/DDC transmission
- Equalizes and recovers incoming TMDS data before retransmitting it in optimal quality
- Supports cable distances up to 45 metres through CAT6 cable at 1080p/8-bit resolution
- Supports HDMI input cable lengths up to 10 metres and output cable lengths up to 15 metres (at 1080p/8-bit resolution)
- Supports x.v.YCC



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x HDMI	1xCAT6	Single CAT5e/6/7	45M @ 8-bit, 10M @ 12-bit	-	-	Yes	Yes	Yes	Yes	CH-1107TX
1xCAT6	1x HDMI	Single CAT5e/6/7	45M @ 8-bit, 10M @ 12-bit	-	-	Yes	Yes	Yes	Yes	CH-1107RX





## HDMI V1.3 TWIN CAT6 EXTENDER WITH IR

### WITH IR REMOTE CONTROL RETURN

The HDMI 1.3 transmitter and receiver is the right way to send your HDMI signal over long distances. Instead of using noisy HDMI cables, this device lets you use CAT 6 cables pair allowing the same functions like transferring Deep Colour (12 bits/colour) video and new lossless compressed (Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio, all with a bandwidth up to 225MHz. Also allows you to use your existing remote to control your device. If your looking for a way to extend an HDMI signal, then the HDMI 1.3 Transmitter and Receiver is what you have been searching for.

- Compliant with HDMI 1.3, HDCP 1.1 and DVI 1.0 standards.
- Deep Colour Mode at up to 36 bits (12 bits/colour).
- Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Digital audio.
- Supports CAT-6 cables for data/DDC transmission.
- Equalises and recovers incoming TMDS data before re-transmitting it in high quality.
- Supports CEC bypass and xvYCC.
- CH-106: Cable distance 1080p/8 bits resolution Input/Output up to 30/45 metres away.
- With 1080p/12 bits resolution the I/O source can run up to 15/15 metres.
- CH-1106: HDMI cable testing with 1080p/8 bits & 12 bits the Input/Output distance can reach up to 15/15M. With CAT6 cable, distance test with 1080p/8 bits & 12 bits resolution the I/O source can run up to 45/20M.



Includes IR Receiver/Transmitter LED modules.

Interface	Compliance	Input	Output	IR	CEC	EDID	HDCP	Max.	Code
Transmitter	HDMI V1.3 / DVI	1x HDMI	Dual CAT6	Yes	Yes	-	Yes	45M	CH-106TX
Transmitter	HDMI V1.3	1x HDMI	Dual CAT6	Yes	Yes	-	Yes	45M/8Bit or 10M/12Bit	CH-106TXN
Receiver	HDMI V1.3	Dual CAT6	1x HDMI	Yes	Yes	-	Yes	45M/8Bit or 10M/12Bit	CH-106RXN
Transmitter	HDMI V1.3	1x HDMI	Dual CAT6	Yes	Yes	-	Yes	45M/8Bit or 10M/12Bit	CH-1106TX
Receiver	HDMI V1.3	Dual CAT6	1x HDMI	Yes	Yes	-	Yes	45M/8Bit or 10M/12Bit	CH-1106RXN

## HDMI OVER DUAL CAT6/7 TRANSMITTER AND RECEIVER

This HDMI to CAT6 transmitter (Tx) and receiver (Rx) kit can extend HDMI digital signal through CAT-6 cables. This is compatible to HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep Colour (12 bits/colour) video and new lossless compressed (Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio) Digital audio, with a bandwidth up to 225MHz. The installation of HDMI to CAT6 is easy and quick, simply place transmitter side next to your HDTV source such as a DVD player, then place the receiver side next to your CAT 6 to CAT6 repeater unit and get all necessary cables connected and enjoy. Supports Deep Colour Mode at up to 36-bit.

- Supports Deep Colour Mode at up to 36-bit
- Supports CAT-6 cables for data/DDC transmission
- Supports equalize and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality
- Connect to our HDMI series product, the unit will no need of power supply
- Support CEC bypass and xvYCC



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x HDMI	1xCAT6	Dual CAT6/7	45M @ 8-bit, 15M @ 12-bit	-	-	Yes	Yes	Yes	Yes	CH-1103TX
1xCAT6	1x HDMI	Dual CAT6/7	45M @ 8-bit, 15M @ 12-bit	-	-	Yes	Yes	Yes	Yes	CH-1103RX



## HDMI OVER TWIN CAT5e

### REQUIRES TRANSMITTER AND ONE DISTANCE RECEIVER

Cypress CA-HDMIAT is the transmitter (Tx) unit of a HDMI over CAT5 Tx/Rx solution. Depending on the type of receiver (Rx) unit used, CA-HDMIAT can extend HDMI signal through CAT-5 cables for a distance of 50/100/150/250 metres. The installation of Cypress HDMI Over CAT5 is easy and quick, simply place CAHDMIAT next to your HDTV source such as a DVD player, then place the receiver unit (CA-HDMI50R / CA-HDMI100R / CA-HDMI150R / CA-HDMI250R) next to your display, and get all necessary cables connected to complete.

- Compliant with HDMI 1.2, and DVI 1.0 specifications
- Supports CAT5/CAT5e/CAT6 cables of variable types
- Supports high definition input up to 1080p, output resolution follows input
- Easy to install and simple to operate
- Not compatible with HDCP Source

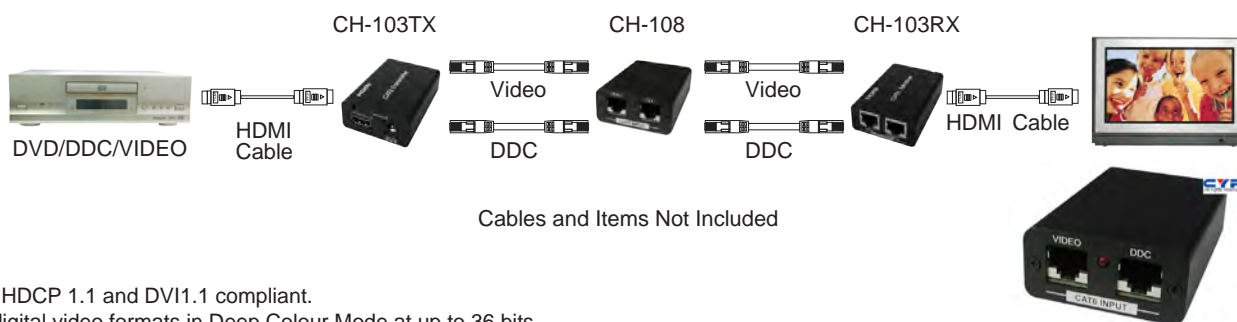


Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max.	Code
Transmitter	HDMI V1.2	HDMI	Twin CAT5	-	Yes	Yes	-		CA-HDMIAT
Receiver	HDMI V1.2	Twin CAT5	HDMI	-	Yes	Yes	-	50M	CA-HDMI50R
Receiver	HDMI V1.2	Twin CAT5	HDMI	-	Yes	Yes	-	100M	CA-HDMI100R
Receiver	HDMI V1.2	Twin CAT5	HDMI	-	Yes	Yes	-	150M	CA-HDMI150R
Receiver	HDMI V1.2	Twin CAT5	HDMI	-	Yes	Yes	-	250M	CA-HDMI250R

## HDMI V1.3 TWIN CAT6 EXTENDER

### TRANSMITTER & RECEIVER

HDMI to CAT6 Solution that can extend HDMI digital signal through CAT-6 cables. This is compatible to HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep Colour (12 bits/ colour) video and new lossless compressed (Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Audio) Digital audio, with a bandwidth up to 225MHz. The installation of HDMI to CAT6 is easy and quick, simply place transmitter side next to your HDTV source such as a DVD player, then place the receiver side next to your Monitor/TV. Extra lengths are achievable with CAT 6 to CAT6 repeater unit for additional distance.



- HDMI 1.3, HDCP 1.1 and DVI1.1 compliant.
- Supports digital video formats in Deep Colour Mode at up to 36 bits.
- Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Digital audio.
- Supports equalization and recovers incoming TMDS data before re-transmitting.
- 1080p/8 bits resolution the Input/Output source can run up to 45/15 metres.
- 1080p/12 bits resolution the Input/Output source can run up to 15/15 metres.
- Supports CEC bypass. Supports xvYCC.

Interface	Compliance	Input	Output	CEC	EDID	HDCP	Max.	Code
Transmitter	HDMI V1.3 / DVI 1.1	HDMI	Twin CAT6	Yes	-	Yes	45M	CH-103TX
Receiver	HDMI V1.3 / DVI 1.1	Twin CAT6	HDMI	Yes	-	Yes	15M	CH-103RX
Repeater	HDMI V1.3 / DVI 1.1	Twin CAT6	Twin CAT6	Yes	-	Yes	45M	CH-108





## □ Optical Fibre Extender

### 3G-SDI OVER OPTICAL FIBRE TRANSMITTER AND RECEIVER

The SDI to Optical Fibre Extender set is designed to extend your SDI signals over Optical Fibre for long distance transmission up to 10km. Signals from 50 Mb/s to 3 Gb/s bandwidth can be sent without loss or compression with thinner, lighter cables for easy installations. Supports SDI input and output modes: SD-SDI (SMPTE 259M-C, at bitrates of 270 Mbit/s), HD-SDI (SMPTE 292M, at bitrates of 1.485 Gbit/s and 1.485/1.001 Gbit/s), 3G-SDI (SMPTE 424M/425M-AB, at bitrates of 2.970 Gbit/s and 2.970/1.001 Gbit/s). Bypass integrated SDI audio up to max. 16 channels of 48kHz audio. Auto video mode detection (3G/HD/SD).

- SMPTE 287-2006 compliant
- Robust error free transmission of signals from 50Mb/s to 3Gb/s over at least 10km single-mode fibre but it will depend on the fibre module used
- Supports SDI input and output modes: (SD-SDI, HD-SDI, 3G-SDI)
- SD-SDI (SMPTE 259M-C, at bitrates of 270 Mbit/s)
- HD-SDI (SMPTE 292M, at bitrates of 1.485 Gbit/s and 1.485/1.001 Gbit/s)
- 3G-SDI (SMPTE 424M/425M-AB, at bitrates of 2.970 Gbit/s and 2.970/1.001 Gbit/s)
- Bypass integrated SDI audio up to max. 16 channels of 48kHz audio
- Auto video mode detection (3G/HD/SD)

Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x SDI	1x LC	Optical Fibre	10km	-	-	-	-	-	-	CLUX-SDI2OF
1x LC	1x SDI	Optical Fibre	10km	-	-	-	-	-	-	CLUX-OF2SDI



## □ HDMI Over Coax

### HDMI OVER COAX x5

#### 75Ω COAXIAL RGBHV

Active Connect Multimedia Transmitter and Receiver set allows distance up to 100M at 1080p/8 bit, up to 65M 12 bit, HDMI V1.3 specification. Designed to supports long distance HDMI application. Enable high bandwidth communication over loss media. Also designed to equalise and restore signals receiver over 75Ω coaxial cable. Simply connected the source to the Transmitter unit and over RGBHV coaxial cable to the Receiver unit, then HDMI output to the display.

- HDMI 1.3 and DVI 1.1 Compliant.
- New and improved colour gamut (i.e. deep colour xvYCC).
- HD audio (8 channel audio supports).
- High Resolutions from PC (640~480) to WUXGA (1920 x 1200).
- HDTV resolutions from 480i~1080P/12 bit.
- Built in Consumer electronics control (CEC).
- Supports Deep Colour.
- The RG6 type 75 Ω coaxial cables can run up to 100m.
- HDMI 5 COAX RX power setting (externally/internally).
- Supports seamless for VESA DDC, CEC and Hot Plug Detect (HPD).
- Supports xvYCC.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max.	Max Res.	Code
Transmitter	HDMI V1.3 / DVI 1.1	HDMI	RGBHV Coax x5	-	Yes	-	-	100M	1080p	CAC-TXA
Receiver	HDMI V1.3 / DVI 1.1	RGBHV Coax x5	HDMI	-	Yes	-	-	100M	1080p	CAC-RXA
TX/RX Kit	HDMI V1.3 / DVI 1.1	HDMI / RGBHV Coax x5	HDMI / RGBHV Coax x5	-	Yes	-	-	100M	1080p	CAC-TXARXA

## □ DVI Over Cat-5/6

### DVI TWIN CAT5 EXTENDER

#### DIGITAL COAX & ANALOGUE AUDIO 3.5mm

DVI transmitter and receiver over CAT5 is an extender for DVI signal - up to 100 or 250 metres long. Not only can this device transfer the HD image signal but also the analog/digital audio signal with coaxial and L/R audio 3.5mm. Through the DDC cable the device can also support HDCP and CEC.

- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications.
- Equalizer, Gain, CTI (Colour Transient Improvement) adjustment.
- Supports high definition up to 1080P/UXGA, output resolution follows input.
- Easy to install and simple to operate.
- Supports DDC/HDCP signal transferring through DDC cable.
- Build-in EDID at transmitter.
- Support both external Coaxial and Stereo Sound.



Interface	Compliance	Input	Output	3D	CEC	EDID	HDCP	Max Res.	Max.	Code
Transmitter	DVI-D 1.0	DVI	2x CAT5	-	Yes	Yes	Yes	1080P/UXGA	-	CA-DVIAT
Receiver	DVI-D 1.0	Twin CAT5	DVI	-	Yes	Yes	Yes	1080P/UXGA	100M	CA-DVI100R

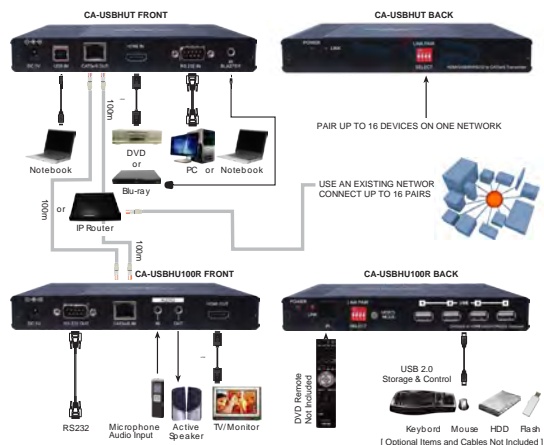


### HDMI & USB OVER IP

#### ETHERNET MULTI-MEDIA KVM TX/RX

Multi-Media LAN Transmitter and Receiver allow HDMI and/or USB host device to send and save data while offering four USB ports for other tasks. Includes extra functions such as IR, line-out and a microphone for users to enjoy controlling devices from far away and for sending audio/sound from your favourite audio devices. Connect to another device from the same family you can extend the transmission distance as far as you want without any signal loss / delay or connect with multiple pairs of the extender to set up a Local Area Network of up to 16 units/devices for data sharing among the connected sources and displays. The HDMI & USB over a CAT5e/6 transmitter and receiver box are the ideal choice for your HDMI & USB extension, data sharing and multimedia sharing needs.

- Supports data sharing over LAN cable (TCP/IP).
- HDMI v1.3, HDCP v1.1 and DVI v1.0 compliant.
- Support USB 2.0 and USB 1.1 devices.
- Operate with USB host controllers.
- True plug and play without any driver installation.
- Display and control host device and source equipment.
- Save and share data into a separate room.
- CAT5 cable distance tested up to 100 metres, connect with other units from the same family to operate over long distances or link up to 16 devices for data sharing.
- Digital display output up to 1920 x 1080@60Hz.
- Adopt visually lossless video compression algorithm.
- Automatic display mode detection.
- DDC synchronization.
- Simple set up with easy to use.
- LED indicators for easy viewing.
- Total transmission frequency 1GHz.



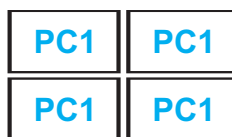
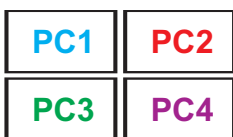
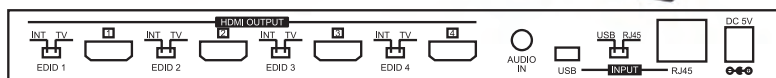
Interface	Compliance	Input	Output	CEC	EDID	HDCP	Max.	Max Res.	Code
Transmitter	HDMI v1.3 / USB 2.0 / 1.1 / DVI V1.0	1xHDMI, 1xUSB, RS232, IR	1x Cat-5e/6	-	-	-		1080p	CA-USBHUT
Receiver	USB 2.0/1.1	Cat-5e/6	4x USB	-	-	-	100M	-	CA-USB100R
Receiver	HDMI v1.3 / USB	1x Cat-5e/6	1xHDMI, 4xUSB, RS232, IR	-	-	-	100M	1080p	CA-USBHUT100R

### 4 PORT HDMI MULTI-DISPLAY OVER ETHERNET/USB

#### ETHERNET/USB TO 4 PORT HDMI CONVERTER

Ethernet/USB to 4 Port HDMI Converter is a networked HDMI system that allows you to display PC/ Laptop content on up to four HDMI displays. Three operation modes: LAN Mode, USB Mode and Extender Mode. The LAN Mode is useful for offices with existing networks as it allows any user who is connected to the LAN (Local Area Network) to display content on any of the four HDMI displays. The USB Mode lets a user with a PC or Laptop to display media on any of the four displays through one USB Cable. Lastly, the Extender Mode is a convenient option in any integration / installation setup by giving users the ability to extend the operating distance of a signal by up to 100 metres, over a single RJ45 cable. Selectable USB or Ethernet input. Display the same content on each output, different content on each output or you can extend an image to cover all four HDMI displays.

- Displaying content on up to 4 HDMI displays from through a networked system or directly from PC/Laptop with USB cable.
- HD resolution up to 1920 x 1080 for each HDMI output.
- Individual EDID selection for output display control.
- USB 2.0 (Hi-speed) compliant.
- Support Giga Ethernet TCP/IP protocols.
- Supports HDMI output audio with 3.5mm phone jack input.
- Extend or mirror video up to 4 HDMI displays.
- Share an HDMI display with multiple users through an existing network.



Input	Output	Code
Ethernet / USB	HDMI x4	CETH-4HDI





## □ IR / USB / RS-232 / Ethernet / HDMI Extenders

### USB OVER SINGLE CAT5e/6/7 TRANSMITTER AND RECEIVER (100m)

The CA-USBST and CA-USBS100R allow most of the USB host to send data bidirectional within a 100-metre distance while offering up to 4 USB outputs, giving this product the ability to act like a USB hub. In addition, this product can also access data from the output port devices even when there's 100 metres separating the devices or using a powered Ethernet hub in between to extend the distance double up to 200 metres. Supports USB 2.0 devices. Supports all major operating systems including Windows®, MAC® and Linux.

- Supports USB 2.0 devices
- Operates at USB 2.0 host controllers
- True plug and play without any driver installation
- LED indicators for easy viewing
- Supports all major operating systems including Windows®, MAC® and Linux
- CAT5e/6 cable distance tested up to 100m
- LED indicators for easy viewing
- Each USB output carries 500 mA of power



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x USB	1x Cat-5/6	Single CAT5e/6/7	100M	-	-	-	-	-	-	CA-USBST
1x Cat-5/6	4x USB	Single CAT5e/6/7	100M	-	-	-	-	-	-	CA-USBS100R

### USB OVER SINGLE CAT5e/6/7 TRANSMITTER AND RECEIVER (70m)

The USB over CAT5e/6/7 Transmitter and Receiver set allows a USB host to exchange data with multiple USB devices, up to 70 metres using a single CAT5e/6/7 cable. Perfect for home or commercial use, it allows the connection of up to 4 USB devices, giving this product the ability to act as remote USB hub. With true driverless plug and play operation supporting all major operating systems, it makes this device an ideal solution for USB extension. Supports USB 2.0 high-speed and USB 1.1 (full-speed, low-speed) devices and host controllers. True plug and play operation without the need to install drivers. Supports all major operating systems including Windows®, MAC OS X®, and Linux.

- Supports USB 2.0 high-speed and USB 1.1 (full-speed, low-speed) devices and host controllers
- True plug and play operation without the need to install drivers
- Supports all major operating systems including Windows®, MAC OS-X®, and Linux
- CAT5e/6/7 cable distance tested up to 70 metres without lag
- Each USB output port provides 500mA of power
- Simple set up and operation



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x USB-B	1x CAT5/6	Single CAT5e/6/7	60M	-	-	-	-	-	-	CA-USBLT
1x CAT5/6	4x USB-A	Single CAT5e/6/7	60M	-	-	-	-	-	-	CA-USBL70R

### USB OVER CAT5

#### 4 WAY USB HUB OUTPUT

With USB being the standard connection for consumer electronic products, there has long been a need for something to let us operate our many devices over long distances. The USB over CAT5/6 transmitter and receiver boxes developed for this purpose. These devices allow any USB host to send data within a 100 metre distance while offering up to 4 USB outputs, giving this product the ability to act like a USB hub.

- Supports USB 2.0 high-speed and USB 1.1 (full-speed, low-speed) devices.
- Simple set up and operation. True plug and play without the need to install drivers.
- Supports all major operating systems including Windows®, MAC OS®, and Linux.
- Display or control the host device.
- CAT5 cable distance tested up to 100 metres without lag.
- Each USB output port contains 500 mA of power.
- Total transmission frequency 1GHz.

Interface	Input	Output	Max.	Code
Transmitter	1x USB-B	1x Cat-5/6	100M	CA-USBAT
Receiver	Cat-5e/6	4x USB	100M	CA-USB100R





## RS232 OVER CAT5

### UP TO 250 METRES

With regular RS-232 protocol devices you are limited to an immediate area of control. The CAT5 RS-232 extender extends control to over 250 metres and gives you a tremendous amount of flexibility in how and where you control your devices. The RS-232 extender also provides full duplex transmission and hardware handshake signals, without the need for any complicated set-up procedures.

- Extends any compatible RS232 device up to 250 metres from the source to the display.
- Only one CAT5 cable.
- Perfect for digital signage.
- Simple and easy installation.
- Has a Baud Rate of: 110~921600.
- Data bit: 8 bit.



Interface	Compliance	Input	Output	Max.	Code
Transmitter	RS232	1x RS232	1x Cat5/6/7	250M	CRS-232TX
Receiver	RS232	1x Cat5/6/7	1x RS232	250M	CRS-232RX
TX/RX Kit	RS232	1x RS232	1x RS232	250M	CRS-232TXRX

## IR OVER CAT5

### REMOTE CONTROL EXTENDER

Control source equipment over long distance using CAT5 cable to extend/repeat IR signal. Users will be able to control up to five different source devices at the same time over distance of 250 metres with existing remote controls. If users only wish to control the sources within a room area then just the IR Repeater Box will be enough to control up to 2 sources, say hidden in a cabinet, etc. While the additional IR Extender Box is design for long distance IR transmission over CAT5 and extra sources control over IR Repeater Box.

- Support five(5) outputs (3 from CIR-03, 2 from CIR-12).
- Control source equipment anywhere within 250 metres.
- Transmits infrared signals only.
- It allows the use of existing remote controls.
- Only one IR Receiver is needed.
- IR Receiver's frequency is at 20~60 KHz.

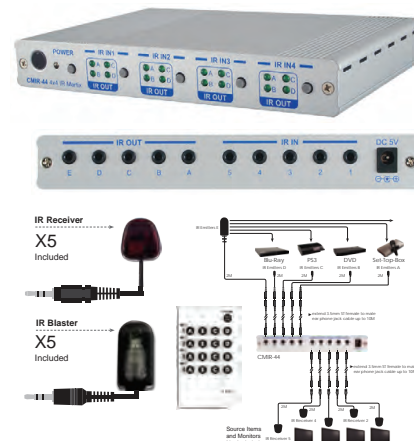


Interface	Compliance	Input	Output	Max.	Code
IR Repeater	IR	1xIR	2x IR, 1x RJ45	250M	CIR-12
IR Extender	IR	1x RJ45	3x IR	250M	CIR-03

## 4 X 4 INFRARED MATRIX SWITCHER

### EG. CONTROL FOUR SEPARATE FOXTEL BOXES FROM FOUR SOURCES - SWITCHABLE

Using the original remote, you can control DVD / Blu-ray players, satellite and set-top-boxes and with a cross matrix design this device gives anyone the ability to send infrared signals from anywhere, any place. When used with an HDMI/converter matrix, this brilliant product will allow you to freely manage your sources and displays. Simply place the IR receiver near the display and put the IR blaster in a position so that all devices will be able to function properly, even when they are hidden in a cabinet or placed far away. See [www.cypress.com.tw](http://www.cypress.com.tw) for more information.



Interface	Input	Output	Cascade	Chassis	Description	Code
IR	(4+1) xIR Extender	(4+1) xIR Blaster	Yes	Metal	Matrix 4 by 4 Infrared	CMIR-44





## USB OVER ETHERNET / IP 4-PORT EXTENDER

### 480Mbps HIGH-SPEED USB 2.0 SERVER

USB over Ethernet 4-Port Extender hub. Three different operation modes of operation: LAN Mode, Extender mode and a HUB Mode. The LAN Mode is useful for homes or offices with existing network infrastructure. Users connect to the LAN (Local Area Network) to access four USB devices. The Extender Mode is a convenient option in any integration / installation setup by giving users the ability to extend the operating distance of a USB signal by up to 100 metres over a single RJ45 cable. The HUB Mode lets consumers, when no signal extension is needed to use the 1-In-4-OUT USB HUB. For LAN mode / Extender Mode to function certain software applications and drivers (both are provided in the CD bundled) are required to be installed on the connected PCs / Laptops for them to identify and hook up with CETH-4USB unit in the same network using TCP/IP protocol. All three modes support the USB 2.0 and 1.1 protocols.

- Control up to 4 four USB devices.
- Can handle high-speed (480Mbps), full-speed (12Mbps) and low-speed (1.5Mbps) transaction (speed in the LAN Mode might be limited by the bandwidth of the network).
- Works up to 100M away (in the Extender Mode).
- Connect with existing Ethernet cable or directly to PC with RJ-45 cable.
- Compliant with USB 1.1/USB 2.0 (Hi-speed) specification.
- Support Ethernet protocols TCP/IP.
- Support 10/100/1000Mbps Ethernet speed.



Input	Output	Max.	Code
1xRJ45, 1xUSB	4xUSB	100M	CETH-4USB

## □ Component & VGA Extenders

### COMPONENT & VGA OVER CAT5

#### TRANSMITTER REQUIRES RECEIVER

PC/HD Audio over CAT5 extends PC/HD & Audio signal quick and easily. Two receiver units available providing a range of up to 50 and 100 metres. Plug and Play solution.

- Supports PC/RGB and HD/YCbCr/YPbPr format input.
- Supports CAT-5/CAT-5E/CAT-6 cable.
- Supports high definition (HD) input source up to 1080P.
- Supports PC output source up to UXGA.
- Supports Dolby® AC3/PCM 2CH Toslink output audio.
- Supports Dolby® AC3/PCM 2CH Toslink input audio.
- Easy to install and simple to operate.



Interface	Compliance	Input	Output	Max.	Max Res.	Code
Transmitter	RGB/YUV	D-Sub 15pin / 3.5mm & Toslink Audio	CAT5	-	UXGA / 1080p	CA-COMPAT
Receiver	RGB/YUV	CAT5	D-Sub 15pin / 3.5mm & Toslink Audio	50M	UXGA / 1080p	CA-COMP50R
Receiver	RGB/YUV	CAT5	D-Sub 15pin / 3.5mm & Toslink Audio	100M	UXGA / 1080p	CA-COMP100R

### VGA EXTENDER CAT5

#### AUDIO & VIDEO \*NOT A CYPRESS PRODUCT\*

Easy CAT5 wiring solution SXGA 1280X1024, 60Hz. Used in pairs transfer audio and video up to 300M. Video image brightness/sharpness adjustment gives you high quality video effect. VGA, SVGA & SXGA compatible with super interference suppression, built in surge protection and anti-ground potential difference. HD15 male input. HD15 female output, With an extra HD15 output on each transmitter and receiver end to connect extra display unit. 2x Power packs, 1.5M VGA male to male cable, 1.5M 3.5mm male to male stereo cable supplied Requires CAT5 cable.



Description	Compliance	Input	Output	Max.	Max Res.	Code
SXGA & Audio over CAT5 TX/RX Pair [Not Cypress]	VGA	HD15 Male / 3.5mm +CAT5 Out	HD15 Female / 3.5mm +CAT5 In	100M	1280x1024px	VGA300



## □ Audio Extenders

### DIGITAL AUDIO OVER SINGLE CAT5e/6/7 TRANSMITTER AND RECEIVER

The Digital Audio Extender is useful for sending the digital audio signal up to 150m away at high quality. The units can switch between Coaxial and Optical digital signals and can be powered by either USB or power adaptor allowing users flexibility of choice between power sources. With its elegant and compact design, user friendly operation and easy installation, the Digital Audio Repeaters are ideal tool for extending digital audio from one location to another. Supports digital audio of 2CH LPCM, 2~5.1CH of Dolby® Digital and DTS.

- Supports Coaxial or Optical digital audio S/PDIF signal
- Supports digital audio of 2CH LPCM, 2~5.1CH of Dolby® Digital and DTS
- Supports industry standard Category 5/5e/6 cable
- Digital audio S/PDIF performance sampling rate 96 kHz
- Supports single Coaxial input to Coaxial signal output
- Supports single Optical input to Optical signal output



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x Coax/Optical	1x CAT5/6/7	Single CAT5e/6/7	150M	-	-	-	-	-	-	CH-304TX
1x CAT5/6/7	1x Coax/Optical	Single CAT5e/6/7	150M	-	-	-	-	-	-	CH-304RX

### DIGITAL AUDIO/RS-232 OVER SINGLE CAT5e/6/7 TRANSMITTER AND RECEIVER

The Optical Digital Audio with RS-232 Transmitter and Receiver set can send and receive digital audio (S/PDIF) signals over a single run of CAT5e/6 cable up to 300m. It has the added benefit of RS-232 pass-through allowing control of devices and the bi-directional Power over Cable (PoC) function eliminates the need for a second power supply, providing greater flexibility in installations. Supports pass-through of digital audio formats: LPCM 2CH, Dolby® Digital (up to 5.1CH), DTS (up to 5.1CH). Supports bi-directional Power over Cable (PoC).

- Supports bi-directional transmission (in/out) of Optical (S/PDIF) digital audio and RS-232 pass-through
- Supports Optical S/PDIF audio sampling rates up to 192kHz
- Supports CAT5e/6/7 cable distances of 100m (328ft) at 192kHz sampling rate, 150m (492ft) at 96kHz sampling rate and 300m (984ft) at 48kHz sampling rate
- Supports pass-through of digital audio formats: LPCM 2CH, Dolby® Digital (up to 5.1CH), DTS (up to 5.1CH)
- Supports bi-directional Power over Cable (PoE)
- Bi-directional RS-232 control



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
2x TOSLINK I/O + RS232	2x CAT5/6/7	Single CAT5e/6/7	300M	-	-	-	-	-	-	DCT-30TX
2x CAT5/6/7	2x TOSLINK I/O + RS232	Single CAT5e/6/7	300M	-	-	-	-	-	-	DCT-30RX

### ANALOGUE AUDIO/RS-232 OVER SINGLE CAT5e/6/7 TRANSMITTER AND RECEIVER

The Analogue Stereo over CAT5e/6/7 Extender set can send and receive analogue audio signals over a single run of CAT5e/6 cable up to 300m. It has the added benefit of RS-232 pass-through allowing control of devices and the Power over Cable (PoC) function can power the receiver unit eliminating the need for a second power supply, providing greater flexibility in installations. Supports bi-directional transmission (in/out) of analogue audio and RS-232 pass-through. Supports Power over Cable (PoE) to the Receiver unit. Bi-directional RS-232 control.

- Supports bi-directional transmission (in/out) of analogue audio and RS-232 pass-through
- Supports Power over Cable (PoE) to the Receiver unit
- Bi-directional RS-232 control



Input	Output	Cable	Cable Length	Ethernet	4K	3D	Deep Colour	HD Audio	HDCP	Code
2+2 RCA / RS232	CAT5/6	Single CAT5e/6/7	300M	-	-	-	-	-	-	DCT-32TX
CAT5/6	2+2 RCA / RS232	Single CAT5e/6/7	300M	-	-	-	-	-	-	DCT-32RX





## □ HDBaseT Repeaters

### CAT5e/6/7 REPEATER WITH HDMI BYPASS OUTPUT (100m)

The CAT5e/6/7 over HDMI and CAT5e/6/7 Splitter can convert a single CAT5e/6/7 input, 2-way IR control and LAN serving to a single CAT5e/6/7 output and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4Kx2K timing, 3D and multichannel digital audio formats (such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD). The HDMI output can be connected to an HDMI display or cascaded to another splitter. The CAT5e/6/7 output can be connected to a CAT5e/6/7 to HDMI Receiver to extend the operating distance up to 100 metres. Additionally, the LAN connectivity will allow a 100BaseT network to be served to smart TVs or games consoles.

- HDMI with 3D & 4K2K supported, HDCP and DVI compliant
- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports data rate from 250Mbps up to 3Gbps
- Supports wide range of PC resolutions from VGA to WUXGA and HDTV resolutions up to 4K2K (3840x2160@24/25/30Hz, 4096x2160@24Hz and 4K2K@60 YUV\_420)
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission (32-192kHz sample rate)
- Supports distances up to 100 metres through CAT5e/6/7 cables
- Supports Ethernet network rate up to 100Mbps
- Can select EDID
- Supports USB service port
- Supports control of devices via 2-way IR
- The 3D signal display follow by display TV's EDID



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	Ethernet, HDMI, IR-I/O	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@1080p)	Yes	CHDBX-1H1CE

### CAT5e/6/7 REPEATER WITH HDMI BYPASS OUTPUT (60m)

The CAT5e/6/7 over HDMI and CAT5e/6/7 Splitter can convert a single CAT5e/6/7 input and 2-way IR control to a single CAT5e/6/7 output and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4Kx2K timing, 3D and multi-channel digital audio formats (such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD). The HDMI output can be connected to an HDMI display or cascaded to another splitter. The CAT5e/6/7 output can be connected to a CAT5e/6/7 to HDMI Receiver to extend the operating distance up to 60 metres.

- HDMI with 3D & 4K2K supported, HDCP and DVI compliant
- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports data rate from 250Mbps up to 3Gbps
- Supports wide range of PC resolutions from VGA to WUXGA and HDTV resolutions up to 4K2K (3840x2160@24/25/30Hz, 4096x2160@24Hz and 4K2K@60 YUV\_420)
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission (32-192kHz sample rate)
- Supports distances up to 70 metres through CAT5e/6/7 cables
- Can select EDID
- Supports USB service port
- Supports control of devices via 2-way IR
- The 3D signal display follow by display TV's EDID



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M (@1080p)	Yes	CHDBX-1H1CPL

### HDBaseT REPEATER (UP TO 100 METRES)

The CAT5e/6/7 Repeater is an economical and stable device for extending and cascade your HDBaseT signal. Supporting the highest quality of uncompressed high-definition HD video of 4Kx2K, uncompressed multi-channels audio up to 8CH, bi-directional control systems, PoE and Ethernet a complete functions of HDBaseT 5Play™ with just a simple connection over single CAT5e/6/7.

- Compatible with HDCP and DVI
- Supports HDMI 3D, CEC Bypass, and 4Kx2K features
- Supports distance up to 200 metres through CAT5e/6/7 cable
- Supports HD resolutions up to 1080p@60 Hz/36-bit
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- HDBaseT 5Play™ convergence support
- Supports RS-232 and IR controls
- Power over Ethernet (PoE) supports through compatible transmitter



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1C



## HDBaseT-LITE REPEATER (UP TO 60 METRES)

The CAT5e/6/7 Repeater is an economical and stable device for extending and cascade your HDBaseTTM signal. Supporting the highest quality of uncompressed high-definition HD video of 4Kx2K, uncompressed multi-channels audio up to 8CH , bi-directional control systems, PoE with just a simple connection over single CAT5e/6/7.

- Compatible with HDCP and DVI
- Supports HDMI 3D, CEC Bypass, and 4Kx2K features
- Supports distance up to 120 metres through CAT5e/6/7 cable
- Supports HD resolutions up to 1080p@60 Hz/36-bit
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS- HD Master Audio transmission
- Supports RS-232 and IR controls
- Power over Ethernet (PoE) supports through compatible transmitter



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1CL

## □ HDMI Repeaters

### HDMI 4K UHD REPEATER

The HDMI 4K Repeater is an advanced solution for extending an HDMI signal. It amplifies and equalizes the HDMI signal to provide high quality audio and video allowing you to extend the HDMI cable distance a further 15 metres at 1080p@60Hz/8-bit resolution. Supports maximum input and output HDMI cable lengths of up to 15 metres each at 1080p/8-bit resolution or 10 metres each at 1080p/12-bit or 4Kx2K resolution.

- Compliant with HDMI, HDCP 1.2 and DVI 1.0
- Supports HDMI audio sampling rates up to 192 kHz
- HDMI supports high-bit-rate (HBR) audio
- Supports maximum input and output HDMI cable lengths of up to 15 metres each at 1080p/8-bit resolution or 10 metres each at 1080p/12-bit or 4Kx2K resolution
- Supports the equalization and recovery of incoming TMDS data before re-transmission with optimal signal quality
- Fully HDCP compliant
- Supports DVI conversion with HDMI to DVI adaptor
- Supports CEC bypass function
- Supports 4K2K resolution and 3D signals



Input	Output	Input Cable Length	Output Cable Length	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x HDMI	1x HDMI	10M	10M	Yes	Yes	Yes	Yes	Yes	CPRO-11SR

### HDMI 4K UHD ENHANCER

This HDMI UHD Enhancer is an advanced solution for extending or cascading an HDMI signal, increasing its operating distance. It amplifies and equalizes the signal, providing high quality audio and video through an HDMI cable for distances up to 15 metres at Ultra HD resolution (4K2K@60Hz/YUV420). It can be cascaded up to 5 times (with additional power supply) and is capable of receiving and transmitting up to 9Gbps bandwidth rate with CDR (Clock Data Recovery), ensuring no loss of data. This unit can be powered by the HDMI output of suitability equipped source equipment (eliminating the need for a separate power supply) or, if the HDMI source does not provide a suitable power supply, an HDMI Power Insertor can be used.

- HDMI, HDCP 2.2 and DVI 1.1 compliant
- Built-in TMDS equalization and CDR (Clock Data Recovery) for extended HDMI cable operating distance
- Supports resolutions up to 4K2K@50/60Hz (YUV420) and 21:9 aspect ratio
- Supports HDMI Input/Output cable lengths up to 15m at 4K2K@50/60Hz (YUV420)
- Cascade an HDMI signal up to 5 layers or more (with additional power supply)
- Supports being powered by compatible source devices over the HDMI cable



Input	Output	Input Cable Length	Output Cable Length	4K	3D	Deep Colour	HD Audio	HDCP	Code
1x HDMI	1x HDMI	15M	15M	Yes	Yes	Yes	Yes	Yes	CPRO-UHH

### HDMI V1.3 EQUALISER / BOOSTER

The CS-HH HDMI CDR with Equaliser can re-transmit a video signal without any loss. An extremely compact device, this system has a built-in CDR (Clock Data Recovery) equaliser that allows for long-range video transmission of Deep Colour Video. The CS-HH can also serve as an interim booster in complicated installations where dozens of devices are connected and weak signal points can occur due to the cascading of multiple layers of video. Designed to receive power from input equipment.

- Support TMDS equaliser and CDR (Clock Data Recovery) for long distance transmission
- Supports video resolutions up to 1080p@60Hz
- No power supply is required



HDMI LINE POWERED

Compliance	Input	Output	3D	CEC	EDID	HDCP	Max.	Max Res.	Code
HDMI V1.3 / DVI V1.0	HDMI	HDMI	Yes	Yes	Yes	Yes	6M/15M	1080p	CS-HH





## HDMI V1.2 REPEATER

### UXGA/1080p

High performance cable equaliser allows HDMI/DVI cable runs up to 50 metres. It corrects digital error and automatically provides equalisation up to 40dB to compensate for cable transmission loss, it will eliminate digital noise (sparkles) to ensure you to receive perfect HDTV picture after long cable transmission.

- Fully automatic equalisation up to 40 dB at 825 MHz (1.65Gbps), no system control required.
- Extend cable runs up to 40 - 50 metres from the source to the equaliser plus 10 metres from the equaliser to the projector, TV / monitor.
- Maintains high HDMI single link video resolution up to UXGA/1080p.
- Can be powered directly from the cable. However, it's recommended to use external power adaptor for long cable application (Included).
- HDCP compliant, HDMI is backward compatible with DVI.
- Plug and play, easy to install.



Compliance	Input	Output	3D	CEC	EDID	HDCP	Max.	Max Res.	Code
HDMI V1.2 / DVI	HDMI	HDMI	-	No	-	Yes	40M/10M	1080p	CP-1269HM

## HDMI V1.3 BOOSTER

### 10M CASCADEABLE

Compatible with HDMI v1.3 specifications, a cutting-edge technology which defines the supports to transfer Deep Colour (12 bits/colour) video and new lossless compressed (Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz. Amplifies signal and equalisation, so as to provide high performance I/O of audio and video through HDMI cables for a maximum distance up to 15 metres each side at 1080p@60Hz(8bit).

- HDMI 1.3, HDCP 1.1 and DVI1.1 Compliant.
- Supports digital video formats in Deep Colour Mode at up to 36 bits (12 bits/colour) and new lossless compressed (Dolby® True HD, Dolby® Digital Plus and DTS-HD Master Audio) digital audio.
- Supports equalise and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality.
- Supports high definition input up to 1080p@60Hz, output resolution follows input.
- Full HDCP Compliant.
- HDMI cable distance tested with 1080p/8 bits resolution the I/O source can run up to 15/10 metres. If 1080p/12 bits the I/O source can run up to 10/10 metres.
- Supports CEC function.



Compliance	Input	Output	3D	CEC	HDCP	EDID	Max.	Max Res.	Code
HDMI V1.3 / DVI 1.1	HDMI	HDMI	-	Yes	Yes	-	15M/15M*	1080p	CH-101

## DUAL CAT6 REPEATER

- HDMI 1.3, HDCP 1.1 and DVI 1.1 compliant
- Serial data rate at up to 2.25Gbps, capable of supporting the following digital video formats in Deep Colour Mode at up to 36 bits (12bits/colour)
- DTV resolutions: 480i, 576i, 480p, 576p, 720p, 1080i to 1080p
- Supports CAT-6 cables for data/DDC transmission
- Supports equalize and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality
- Supports high definition resolution, the cable distance test with 1080p/8bits resolution the Input/Output source can run up to 45/45 metres
- Supports high definition resolution, the cable distance test with 1080p/12bits resolution the Input/Output source can run up to 15/15 metres
- Supports CEC bypass
- Supports xvYCC



Input	Output	Input Cable Length	Output Cable Length	4K	3D	Deep Colour	HD Audio	HDCP	Code
Twin CAT6	Twin CAT6	45M @ 8-bit, 15M @ 12-bit	45M @ 8-bit, 15M @ 12-bit	-	Yes	Yes	Yes	Yes	CH-108

## HDMI POWER INSERTER

The CS-PM allows users to add extra power to HDMI connections. When cascading video over long distances, or when the source device (such as a DVD/Blu-ray player or Set-top Box) cannot provide enough power, you are often left with a degraded signal because, without enough power, your video signal will not be stable and you cannot increase your operating distance. The HDMI Power Inserter can solve this by providing up to 5 V/2 A of power to HDMI devices like scalers, splitters or it can power an HDMI Enhancer (with built-in HDMI CDR and equalizer) to stabilize the signal and help to solve HDMI power issues.

- Provides extra power to an HDMI output while safely disconnecting the original power supply from the HDMI input without interrupting the original HDMI signal
- Supports up to 5 V/2 A
- Over current protection
- Maximum total input and output cable lengths supported are 16 metre at 8-bit and 10 metre at 12-bit colour depth

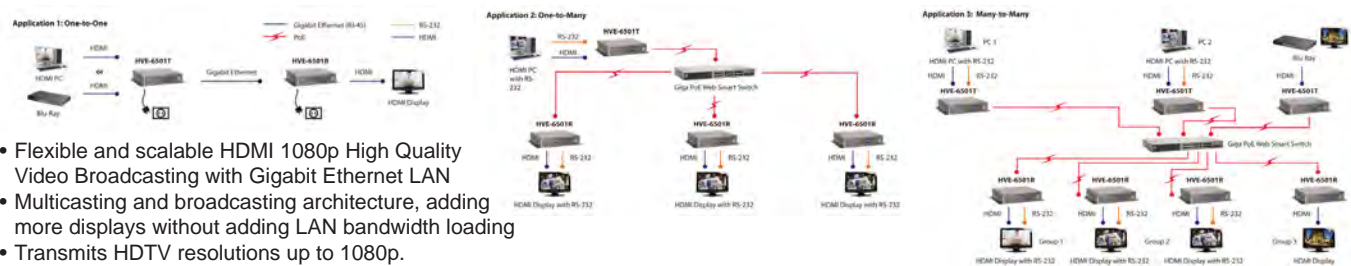


Input	Output	Power management	Code
1x HDMI	1x HDMI	Yes	CS-PM



## □ HDMI Over IP

### HDMI OVER IP PoE



- Flexible and scalable HDMI 1080p High Quality Video Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, adding more displays without adding LAN bandwidth loading
- Transmits HDTV resolutions up to 1080p.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP compliant

### HDMI OVER IP PoE TRANSMITTER

#### HDMI OVER IP

The LevelOne HVE-650 Series is an innovative HDMI-over-IP Distribution Solution. Designed with transmitting units (HVE-6501T) and receiving units (HVE-6501R), it offers scalable digital signage distribution, supporting HDMI 1.3 with 1080p video resolution and simultaneous audio broadcast. The HVE-650 Series enriches HDMI signal broadcasting connectivity options from small scaled home theatres, retail stores, up to large scaled public premises such as transportation hubs, leisure educational facilities, corporate premises and more.

Code  
HVE-6501T



### HDMI OVER IP PoE RECEIVER

#### HDMI OVER IP

The LevelOne HVE-650 Series is an innovative HDMI-over-IP Distribution Solution. Designed with transmitting units (HVE-6501T) and receiving units (HVE-6501R), it offers scalable digital signage distribution, supporting HDMI 1.3 with 1080p video resolution and simultaneous audio broadcast. The HVE-650 Series enriches HDMI signal broadcasting connectivity options from small scaled home theatres, retail stores, up to large scaled public premises such as transportation hubs, leisure educational facilities, corporate premises and more.

Code  
HVE-6501R



### HDMI VIDEO WALL OVER IP PoE TRANSMITTER

#### HDMI OVER IP

The LevelOne HVE-660 Series is an innovative HDMI-over-IP Video Wall Distribution Solution. Designed with transmitting units (HVE-6601T) and receiving units (HVE-6601R), it is exceptionally scalable, offering any combination up to 8 x 8 matrix video wall arrangement. The HVE-660 Series enriches video wall connectivity options to public premises such as sports bars, cinemas, train stations, or high demand monitoring sites such as emergency response centres, security organisations, or traffic monitoring units.

Code  
HVE-6601T



### HDMI VIDEO WALL OVER IP PoE RECEIVER

#### HDMI OVER IP

The LevelOne HVE-660 Series is an innovative HDMI-over-IP Video Wall Distribution Solution. Designed with transmitting units (HVE-6601T) and receiving units (HVE-6601R), it is exceptionally scalable, offering any combination up to 8 x 8 matrix video wall arrangement. The HVE-660 Series enriches video wall connectivity options to public premises such as sports bars, cinemas, train stations, or high demand monitoring sites such as emergency response centres, security organisations, or traffic monitoring units.

Code  
HVE-6601R







## □ HDMI Extenders Level1

### HDSPIDER HDMI OVER CAT5 RECEIVER

#### LONG RANGE HDMI over CAT5/5e/6 RECEIVER

The HDSpider™ Series is a collection of HDMI Cat.5 senders and receivers, offering a full range of HDMI extender solutions. Choose from Level1 HDSpider extenders to build a flexible network to send your high-quality HDMI signals to greater distances, and at a reduced cost using dedicated common CAT5/6 cables..

- Works with Cat.5, Cat.5e or Cat.6 Ethernet type cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Higher speed-6.75Gbps
- HDMI 1.3 Enables display with more natural and vivid colours
- HDMI 1.3c compliant

Code  
HVE-9000



### HDSPIDER HDMI OVER CAT5 TRANSMITTER

#### HDMI OVER CAT5/5e/6 TRANSMITTER

The HDSpider™ Series is a collection of HDMI Cat.5 senders and receivers, offering a full range of HDMI extender solutions. The HVE-9001 transmitter is designed to work with the HVE-9000 receiver to transfer full HD 1080p quality signal at up to 40M. Compatible with Cat5/5e/6 cable. Easy to setup.

- Works with Cat.5, Cat.5e, Cat.6 Ethernet type cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep colour enables display with more natural and vivid colours
- HDMI 1.3c compliant

Code  
HVE-9001



### HDSPIDER HDMI & AUDIO OVER CAT5 TRANSMITTER

#### HDMI OVER CAT5/5e/6 WITH HDMI OUTPUT

The HDSpider™ series is a collection of HDMI Cat.5 senders and receivers, offering a full range of HDMI extender solutions. The HVE-9002 transmitter has a local HDMI output, the user can connect the box to a local monitor while sending AV to a distant receiver through a CAT5 cable. It can transfer full HD 1080p quality signal at up to 40M. Compatible with Cat5/5e/6 cable. Easy to setup.

- Works with Cat.5, Cat.5e, Cat.6 Ethernet type cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep colour enables display with more natural and vivid colours
- HDMI 1.3c compliant

Code  
HVE-9002



### HDSPIDER HDMI & AUDIO OVER CAT5 TRANSCIEVER CASCADABLE

#### CASCADABLE HDMI OVER CAT5/5e/6 TRANSMITTER

The HDSpider™ Series is a collection of HDMI Cat.5 senders and receivers, offering a full range of HDMI extender solutions. The HVE-9003 transmitter is cascable which means it can accept a signal from a source and send it out to another unit and repeat this a number of times. The unit can transfer full HD 1080p quality signal at up to 40M. Compatible with Cat5/5e/6 cable. Easy to setup.

- Works with Cat.5, Cat.5e, Cat.6 Ethernet type cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep colour enables display with more natural and vivid colours
- HDMI 1.3c compliant

Code  
HVE-9003





## HDSPIDER 4-PORT HDMI OVER CAT5 TRANSMITTER

### HDMI OVER CAT5/5e/6

The HDSpider™ Series is a collection of HDMI Cat.5 senders and receivers, offering a full range of HDMI extender solutions. The HVE-9004 4 port transmitter can transfer AV data from the source to 4 different receivers, it works with the HVE-9000 receiver to transfer full HD 1080p quality signal at up to 40M. Compatible with Cat5/5e/6 cable. Easy to setup.

- Works with Cat.5, Cat.5e or Cat.6 Ethernet type cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep colour enables display with more natural and vivid colours
- HDMI 1.3c compliant

Code  
HVE-9004



## HDSPIDER 8-PORT HDMI OVER CAT5 TRANSMITTER

### HDMI OVER CAT5/5e/6

The HDSpider™ Series is a collection of HDMI Cat.5 senders and receivers, offering a full range of HDMI extender solutions. The HVE-9008 8 port transmitter can transfer AV data from a HDMI source to 8 different receivers, it works with the HVE-9000 receiver to transfer full HD 1080p quality signal at up to 40M. Compatible with Cat5/5e/6 cable. Easy to setup.

- Works with Cat.5, Cat.5e or Cat.6 Ethernet type cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep colour enables display with more natural and vivid colours
- HDMI 1.3c compliant

Code  
HVE-9008



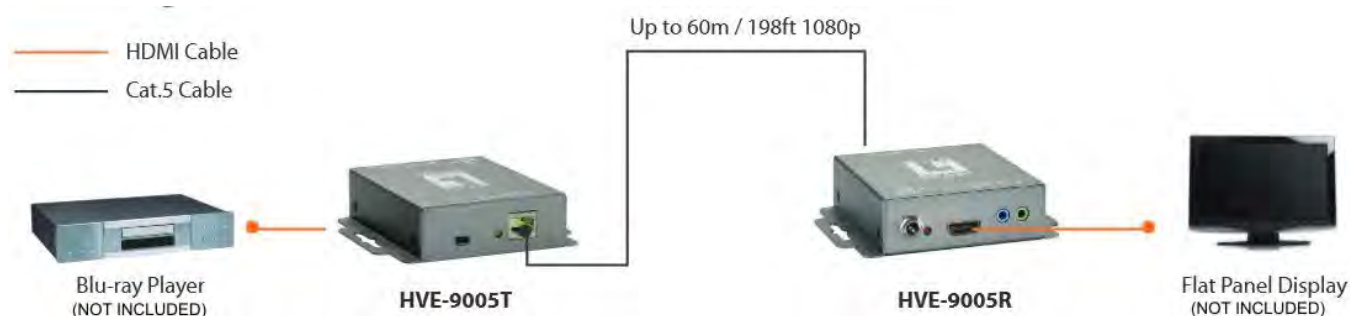
## HDMI OVER CAT5 EXTENDER KIT WITH 4K HDMI & IR

### HDBaseT-Lite SENDER & RECEIVER KIT [SOLD IN PAIRS]

The HVE-9005 HDMI Extender kit over Cat.5 with HDBaseT-Lite & Bi-directional IR boosts your video/audio transmission up to a distance of 40m in HDTV 1080p with 48-bit colour depth. It supports 3D video format, HDCP. This kit supports a cost-effective solution requiring only one Cat.5/5e/6 cable to extend AV transmission. The HVE-9005 includes a transmitting unit and a receiving unit, Power adaptor (x2), plus one IR Receiver and one IR Blaster

- Support HDMI Deep Colour & full 3D & 4K2K@30
- HDBaseT-Lite technology
- Extend the transmission up to 60 metres from the HDMI source at Full HD 1080p 48-bit and 40m at 4K2K@30
- HDCP & EDID Bypass, CEC support, Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- DTS-HD Master Audio and Dolby® TrueHD high bit rate audio support
- Support full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR pass-through includes 1x IR Sender & 1x Receiver
- Wall mounting housing design for easy and robust installation

Code  
HVE-9005







## □ HDBaseT Extenders

### HDBaseT PRODUCTS FROM CYPRESS TAIWAN

HDBaseT technology runs over standard Cat5e/6 cable and implements 5Play; an unrivaled feature-set that converges full uncompressed HD video, audio, 100BaseT Ethernet, and various control signals plus up to 100W of Power-Over-Ethernet - that's enough to drive a 37-inch TV. And it can extend up to 100 metres passively. HDBaseT has the bandwidth to support the highest video resolutions such as full HD 1080p as well as 3D and 2Kx4K formats. HDBaseT is the first to provide all-in-one connectivity, making it possible for a single-connector TV to receive power, video/audio, Internet and control signals from the one cable.

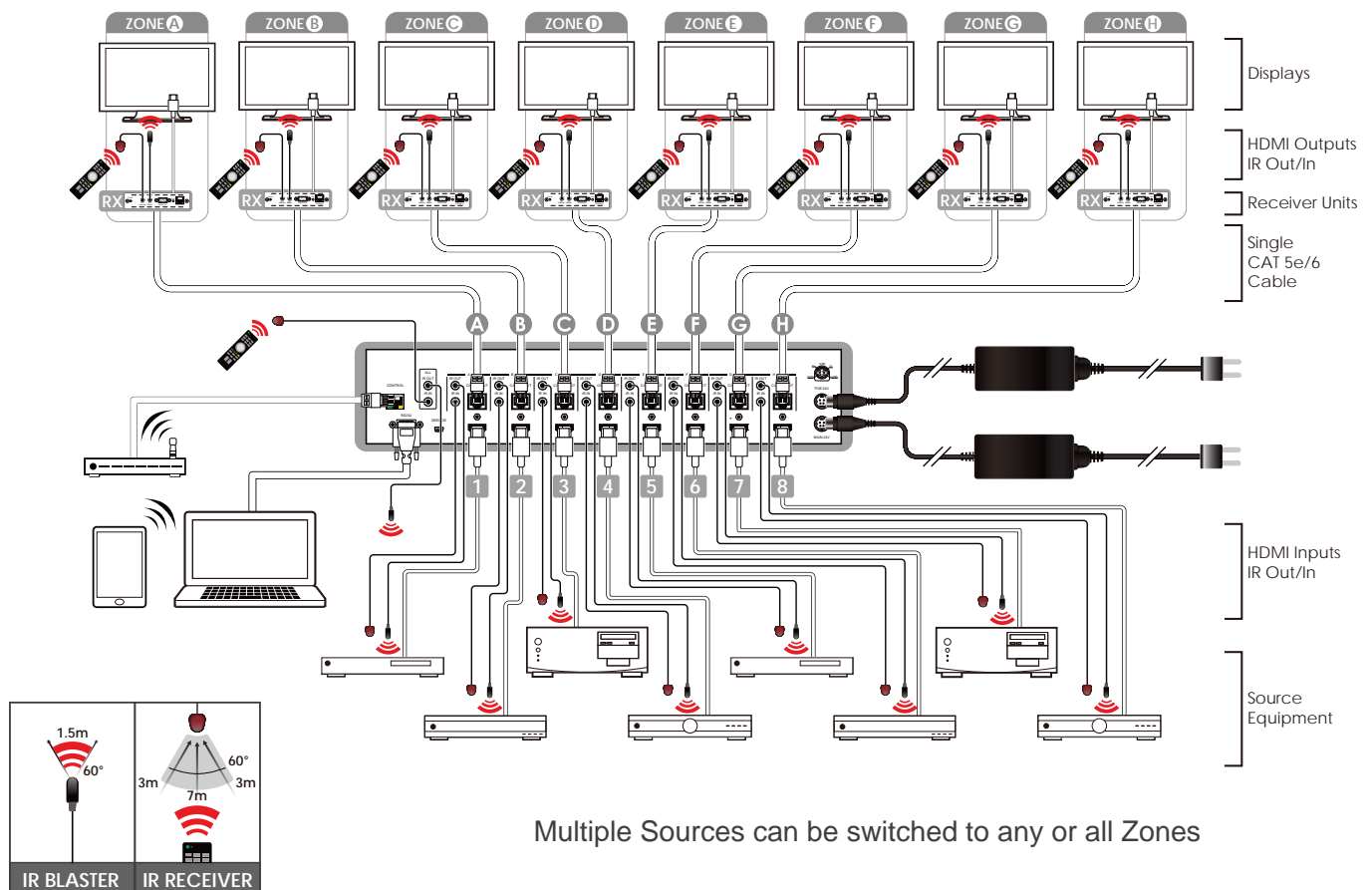
What makes HDBaseT so impressive is that it is sending more info than HDMI can, over a set of 8 wires within a standard Cat5e or Cat6 cable. How can it do this? Well, it uses much lower frequency modulated packets. These are not IP packets like you find in Gigabit Ethernet. Since they run on such low frequency, they are not subjected to typical EM (electromagnetic) interference. That means you can sit the cables in front of microwave or a cell phone and there are no problems with signal degradation.

#### 5Play: HDBaseT's Protocol:

HDBaseT's Protocol allows you to literally NETWORK your AV sources and displays just like you would your home data network. Called 5Play. Want to watch your living room Blu-ray in your bedroom? Check. How about your bedroom's cable box in your theatre room? Check. Theatre room's Xbox 360 in your children's room? Check? How about allowing three televisions to watch the grand-final from your single Dish Network set top box at the same time? Check. Check. Check! HDBaseT enables a network of sources - such as digital video recorders (DVR), Blu-ray disc players, game consoles, PCs and mobile devices to be connected directly to displays in multiple locations. It allows users an independent yet fully compatible experience. HDBaseT LAN-based technology makes it possible to cut out the assortment of cables for audio, video, connecting CE devices. IR, networking... it's all there. Send three different sources to three different displays and switch them at will using an HDBaseT hub, easy.



### HDBaseT Matrix Switch Example





## HDBaseT PRODUCTS FROM CYPRESS TAIWAN



## HDBaseT MATRIXES

Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
4x HDMI	4x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	Yes	100M	Yes	CMSI-4H4CV
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	Yes	100M	Yes	CMSI-8H8CV
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	-	-	100M	Yes	CMSI-424L
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-424E
4x HDMI	4x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	-	60M	Yes	CMSI-4H4CVL
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	-	60M	Yes	CMSI-8H8CVL
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-8H8CVE
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-18H8CVE
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMSI-46PL
4x HDMI	4x CAT5e/6/7, 4x HDMI	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-48E
4x HDMI	4x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMPRO-U4H4CVPL
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CMPRO-U8H8CVPL
4x HDMI	4x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMPRO-U4H4CVE
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMPRO-U8H8CVE
8xHDMI or DVI or CAT5e/6/7 or VGA	8xHDMI or DVI or CAT5e/6/7	Yes	Yes	Yes						Yes	CMSI-88
16xHDMI or DVI or CAT5e/6/7 or VGA	16xHDMI or DVI or CAT5e/6/7	Yes	Yes	Yes						Yes	CMSI-1616
32xHDMI or DVI or CAT5e/6/7 or VGA	32xHDMI or DVI or CAT5e/6/7	Yes	Yes	Yes						Yes	CMSI-3232

## HDBaseT TRANSMITTERS

Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
8x HDMI	8x CAT5e/6/7	Yes	No	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CSI-8H8CV2IR
8x HDMI	8x CAT5e/6/7	No	No	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CSI-8H8CVTX

## HDBaseT EXTENDERS

Type	Input	Output	4K	3D	IR	RS-232	PoE	Ethernet	HD Audio	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1109TXC
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1109RXC
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506RXL
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	CH-506RXPL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	CH-506RXPL
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	CH-506TXWP
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	CH-506RXWP
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-501TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-501RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	-	-	-	Yes	Yes	CH-514TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	-	-	-	Yes	Yes	CH-514RXL
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	Yes	CH-513TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	-	-	Yes	Yes	CH-513RXL
Transmitter	1x DVI	1x CAT5e/6/7	Yes	Yes	-	-	No	No	Yes	Yes	CDVI-513TXL
Receiver	1x CAT5e/6/7	1x DVI	Yes	Yes	-	-	No	No	Yes	Yes	CDVI-513RXL
Transmitter	1x HDMI, 1xVGA	1x CAT5e/6/7	-	-	Yes	Yes	Yes	Yes	-	Yes	CH-520TXAHS
Receiver	1x HDMI, 1x CAT5e/6/7	1x HDMI	-	-	Yes	Yes	Yes	Yes	-	Yes	CH-521RXHS
Transmitter	1x VGA, 1x CV	1x CAT5e/6/7	-	-	Yes	Yes	Yes	Yes	-	Yes	CH-516TXAS
Receiver	1x CAT5e/6/7	1x HDMI	-	-	Yes	Yes	Yes	Yes	-	Yes	CH-517RXHS





## HDBaseT EXTENDERS

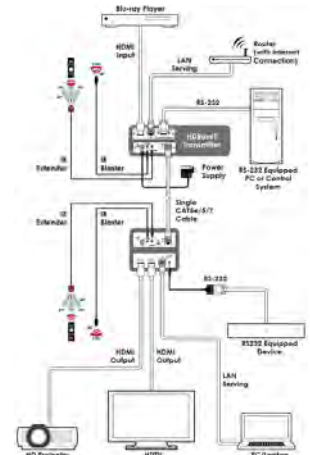
Type	Input	Output	4K	3D	IR	RS-232	PoE	Ethernet	HD Audio	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1601TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1601RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1527TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1527RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1507TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1507RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-2507TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-2507RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507TXBD
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507RXBD
Transmitter	1x DVI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CDVI-1109TXC
Receiver	1x DVI	1x DVI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CDVI-1109RXC
Transmitter	8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	-	Yes	No	Yes	Yes	CSI-8H8CV2IR
Transmitter	8x HDMI	8x CAT5e/6/7	Yes	Yes	-	-	Yes	No	Yes	Yes	CSI-8H8CVTX
Receiver	1x CAT5e/6/7	2x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-526RX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	-	-	Yes	Yes	Yes	Yes	CH-515RXPT
Receiver	1x CAT5e/6/7	2x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CHDBR-2HE
Receiver	1x CAT5e/6/7	2x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	CH-526RXPL
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	CH-506TXPLBD
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	CH-506RXPLBD
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	-	-	-	Yes	Yes	CH-514TXLN
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	-	-	-	Yes	Yes	CH-514RXLN
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	-	-	Yes	Yes	CH-513TXLN
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	-	-	Yes	Yes	CH-513RXLN
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507TXWPBD
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507RXWPBD
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507TXWPUS
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507RXWPUS
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507RXWP
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	-	-	-	Yes	Yes	CH-514RXWPL

## HDBaseT SPLITTERS

Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	-	60M	Yes	CHDBT-1H1CL
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H3CL
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H7CL
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CHDBT-1H1CPL
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H3CPL
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H7CPL
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H1CE
1x HDMI	1x HDMI, 2x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H2CE
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H3CE
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H7CE
2x HDMI	1x HDMI, 8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-2H8CE

## HDBaseT REPEATERS

Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1C
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1CL





## 8x8 HDMI OVER CAT5E/6/7 MATRIX WITH LAN SERVING

The HDBaseT™ 8 by 8 HDMI Matrix over CAT5e/6/7 supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio and control via IR, RS-232 or Telnet and Web GUI from eight high definition sources to eight outputs over a single CAT5e/6/7 cable (up to 100m) for each output. It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio as well as 3D content that can be displayed when connecting a 3DTV and 3D source. Power over Ethernet (PoE) support means that compatible receivers do not need their own power supplies allowing for greater flexibility in installations and Ethernet support allows devices such as Smart TVs to be connected to the network.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D and 4Kx2K features
- Supports resolutions VGA~WUXGA and 480i~1080p
- Supports distances up to 100 metres through CAT6/7 cables
- Supports PoE (Power over Ethernet) on compatible receivers only
- 5Play™ convergence
- Supports HDMI input up to 15M at 8-bit or 10M at 12-bit
- Supports bi-directional IR from input and output locations
- RS-232, remote IR, on-panel, IP Control (Telnet & Web GUI)
- Supports LAN serving function through the LAN/CONTROL port
- 2U size design 438x255x93mm
- Supports external and internal EDID settings
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus, DTS-HD



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
8x HDMI	8x CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CMSI-8H8CVE

## 4x4/8x8 HDMI OVER CAT5E/6/7 MATRIX WITH LAN SERVING

The HDBaseT™ 4 by 4 and 8 by 8 HDMI Matrix over CAT5e/6/7 supports the transmission of video (resolutions 1080p Full HD up to 1920x1200@60Hz), multi-channel digital audio and control via IR, RS-232 or Telnet and Web GUI from eight high definition sources to eight outputs over a single CAT5e/6/7 cable (up to 60m) for each output. It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio as well as 3D content can be displayed when connecting a 3DTV and 3D source.

- HDMI, HDCP 1.1 and DVI compliant
- Supports HDMI 3D and 4Kx2K features
- Supports resolutions VGA~WUXGA and 480i~1080p
- Supports distances up to 70 metres through CAT6/7 cables
- Supports HDMI input up to 15M at 8-bit or 10M at 12-bit resolution
- Supports bi-directional IR from input and output locations
- RS-232, remote IR, on-panel control and IP Control (Telnet & Web GUI)
- Supports external and internal EDID settings
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
4x HDMI	4x CAT5e/6/7	Yes	Yes	-	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-4H4CVL
8x HDMI	8x CAT5e/6/7	Yes	Yes	-	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-8H8CVL

## 8 HDMI OVER CAT5E/6/7 POINT-TO-POINT TRANSMITTER

The 8 HDMI over CAT6 Point-to-Point Transmitter (with IR Matrix) supports the transmission of Video (up to 1080p Full HD/1920x1200@60 Hz) with multichannel digital audio, up to eight pairs of high definition source and CAT5e/6 output. It supports digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio. 3D content can be displayed when connecting a 3DTV and 3D source. The Transmitter allows the point-to-point connection between source equipment and output display, over distances up to 100 metres along with PoE (Power over Ethernet) feature. There is a built-in crosspoint IR matrix providing additional control over 8-in-8-out IR channels.

- Supports Stereo digital audio signal input and output
- Supports high bit-rate audio up to 192 kHz
- Supports resolutions VGA~WUXGA and 480i~1080p dependent upon the output display's EDID settings
- Supports extension up to 80 metres through CAT5e or 100 metres through CAT6/7
- Supports HDMI 3D and 4Kx2K signal display dependent upon the output display's EDID settings
- Supports HDMI input up to 15 metres at 8-bit resolution or 10 metres at 12-bit resolution
- Supports bi-directional IR from input and output locations
- Supports RS-232, remote control and on-panel control
- Supports PoE (Power over Ethernet) on compatible receivers only
- 2U size design



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
8x HDMI	8x CAT5e/6/7	Yes	No	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CSI-8H8CV2IR





## 4x4 HDMI OVER CAT5E/6/7 MATRIX WITH LAN SERVING

The 4x4 HDMI Matrix over 4 CAT5e/6/7 with 2 HDMI outputs supports resolutions up to 1080p Full HD and 1920x1200@60Hz with multichannel digital audio from up to four high definition sources to up to four CAT5e/6/7 output and 2 HDMI synchronized with 2 CAT5e/6/7 output ports. It supports digital audio formats such as LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio. Also, 3D content can be displayed when connecting a 3DTV and 3D source. The Matrix allows the connection of source equipment to output displays, over distances of up to 100 or 60 metres along with IR and RS-232(includes telnet) control and PoE features. Further, it allows all outputs with access of Ethernet function through the single LAN port's active connection on the device.

- HDMI, HDCP1.1 and DVI compliant
- Supports HDMI 3D and 4Kx2K features
- VGA ~ WUXGA and 480i~1080p by output display's EDID settings
- Supports extension up to 100 or 60 metres through CAT5e/6/7
- Simultaneous HDMI output display on A and C CAT5e/6/7 output
- CMSI-424E has 5Play™ convergence
- Supports PoE (Power over Ethernet) on compatible receivers only
- Supports HDMI input up to 15M with 8bits or 10M with 12bits
- Supports IR in/out from input and output locations
- Supports RS-232 (include Telnet), remote control and front panel
- 1U size design
- LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
4x HDMI	4x CAT5e/6/7, 2x HDMI	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CMSI-424E
4x HDMI	4x CAT5e/6/7, 2x HDMI	No	Yes	-	-	CAT5e/6/7	Yes	Yes	Yes	CMSI-424L

## 8 HDMI OVER CAT5E/6/7 POINT-TO-POINT HDBASET TRANSMITTER

The HDMI over CAT6 Transmitter supports the transmission of uncompressed video (up to 1080p@60 Hz/36-bit) with multichannel digital audio from up to eight high definition sources to up to eight CAT6 outputs. Also, the unit can be used in conjunction with the 8x8 HDMI matrix (optional) to provide switching control, allowing the display of any source device on any output display.

- Supports PoE (Power over Ethernet) on compatible receivers only
- Supports high bit-rate audio up to 192 kHz
- Supports resolutions VGA~WUXGA and 480i~1080p dependent upon the output display's EDID settings
- Supports audio up to 7.1Ch, Dolby® TrueHD, DTS-HD Master Audio
- Supports uncompressed video up to 1080p@60 Hz/36-bit
- Supports extension up to 80 metres through CAT5e or 100 metres through CAT6/7
- Supports HDMI 3D and 4Kx2K signal display dependent upon the output display's EDID settings
- Supports HDMI input up to 10 metres at 8-bit resolution or 6 metres at 12-bit resolution
- 1U size design



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
8x HDMI	8x CAT5e/6/7	No	No	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CSI-8H8CVTX

## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 100 METRES)

The device that can make your home or office more efficient, the CH-1109TXC & RXC is capable of sending HDMI (uncompressed audio/video), Ethernet connections and control ports (through the built-in RS-232 and IR ports) over a single CAT5e/CAT6 up to a distance of 100m (300 ft.). Even more, it is adaptor free at the receiver end. Further, with the HDMI bypass is designed to allow instant display at the control point. So, if you wish to make your home or office more efficient, get the HDMI over Single CAT5e/CAT6 with LAN/PoE & IR Extender and prepare to be amazed.

- Supports HDMI 3D, 4Kx2K resolution and CEC bypass functions
- Simultaneous transmission of uncompressed video and audio (1080p@60Hz/-Deep Colour) over a single CAT5e/CAT6 type cable for up to 100 metres
- Connect and share up to 6 Ethernet connections at speeds up to 100 Mbps
- 5Play™ convergence
- Single power supply powers both units
- Supports PoE (Power over Ethernet)



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CH-1109TXC
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CH-1109RXC



## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 100 METRES)

The HDMI with RS-232 over Single CAT5e/CAT6 transmitter and receiver set can send uncompressed audio/video over a single run of CAT5e/6 cable up to 100 m with PoE feature and the added benefit of control through the built-in RS-232 and IR ports and a bi-directional LAN connection.

- HDMI with 3D, 4kx2k support, HDCP & DVI Compliant
- Supports CEC bypass
- Simultaneous transmission of uncompressed data over a single 100 m/328 ft CAT6/CAT5e cable
- Uncompressed video 1080p, 60 Hz, 36-bit
- Audio support up to 7.1CH & Dolby® TrueHD, DTS-HD
- 5Play™ convergence: HDMI, LAN, PoE & Control (IR & RS-232)



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CH-507TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CH-507RX

## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 100 METRES)

The HDMI with RS-232 over Single CAT5e/CAT6 transmitter and receiver set can send uncompressed audio/video over a single run of CAT5e/6 cable up to 100 m and has the added benefit of control through the built-in RS-232 and IR ports.

- HDMI with 3D, 4kx2k supports, HDCP and DVI compliant
- Supports HDCP repeater and CEC function
- Simultaneous transmission of uncompressed data over a single CAT6/CAT5e cable up to 100 m/328 ft
- Uncompressed video 1080p, 60 Hz, 36-bit
- Audio support up to LPCM 7.1CH, Dolby® TrueHD and DTS-HD Master Audio
- HDBaseT technology support HDMI transmission and IR and RS-232 controls
- Installation friendly



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	No	No	CAT5e/6/7	Yes	Yes	Yes	CH-506TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	No	No	CAT5e/6/7	Yes	Yes	Yes	CH-506RX

## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 100 METRES)

The HDMI over Single CAT5e/CAT6 with IR transmitter and receiver set can make your home or office set-up more efficient and easy to use. Uncompressed HDMI video and audio can be transmitted over a single CAT 5e/CAT6 with the added benefit of control through the built-in RS-232 and IR ports up to 100m. It also features a HDMI bypass function that allows for local testing of the HDMI source.

- Supports HDMI with 3D, 4k x 2k support, HDCP and DVI Compliant
- Supports CEC bypass function
- Simultaneous transmission of uncompressed data up to 100 Metres for CAT5e or CAT6 cable
- Uncompressed video 1080p, 60 Hz, 36-bit
- Audio support up to 7.1CH & Dolby® TrueHD, DTS-HD
- Various controls over HDMI, CEC, RS232 and IR
- 3Play™ convergence (Audio/Video/Control)



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	No	No	CAT5e/6/7	Yes	Yes	Yes	CH-501TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	No	No	CAT5e/6/7	Yes	Yes	Yes	CH-501RX





## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 60 METRES)

The HDMI with RS-232 over Single CAT5e/CAT6 transmitter and receiver set can send uncompressed audio/video over a single run of CAT5e/6 cable up to 60 m and has the added benefit of control through the built-in RS-232 and IR ports.

- HDMI with 3D, 4Kx2k supports, HDCP and DVI compliant
- Supports HDCP repeater and CEC function
- Simultaneous transmission of uncompressed data over a single CAT6/CAT5e cable up to 60 m/196.8 ft
- Uncompressed video 1080p, 60 Hz, 36-bit
- Audio support up to LPCM 7.1CH, Dolby® TrueHD and DTS-HD Master Audio
- HDBaseT technology support HDMI transmission and IR and RS-232 controls
- Installation friendly



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	No	No	CAT5e/6/7	Yes	Yes	Yes	CH-506TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	No	No	CAT5e/6/7	Yes	Yes	Yes	CH-506RXL

## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 60 METRES)

The HDBaseT-Lite™ HDMI over CAT5e/6/7 transmitter and receiver can make your home or office set-up more efficient and easy to use. Uncompressed video and audio can be transmitted up to 60 metres with the added benefit of controls through the built-in RS-232 and IR ports. This family design of HDBaseT™ technology allows a full usage of HDMI and controls over CAT5e/6 cable.

- Compatible with HDCP and DVI
- Supports HDMI 3D and 4Kx2K features
- Supports HD resolutions up to 1080p@60 Hz/36-bit
- Supports distance up to 60 metres through CAT5e/6/7 cable for 3D signal and 40 metres for 4Kx2K resolution
- Supports PoE (Power over Ethernet)
- Supports HDMI input up to 15 metres at 8-bit resolution or 10m at 12-bit resolution and output up to 15 metres at 8/12-bit resolution
- Supports HDCP repeating and CEC bypass
- Supports RS-232 and IR controls
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CH-506TXPL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CH-506RXPL

## HDMI/AUDIO OVER CAT5e/6/7 RECEIVER WITH BIDIRECTIONAL 24V PoC

This HDMI and Audio over Single CAT5e/6/7 Receiver/Splitter can receive uncompressed audio/video and data over a single run of CAT5e/6/7 cable, from a Transmitter, up to distances of 100m. It has the added benefit of simultaneous dual HDMI outputs with audio de-embedding to a balanced analogue stereo or digital coaxial audio output and 2 bidirectional LAN serving connections, allowing devices such as Smart TVs or game consoles to share a Internet connection. The unit has a bidirectional PoC (Power over Cable) function that can power or be powered by a compatible transmitter allowing for greater flexibility in installations. Supports a wide range of HDTV and PC output resolutions up to 4K2K and WUXGA@60Hz (RB). Receive uncompressed data over a single 100 m/328 ft CAT5e/6/7 cable from a compatible matrix/transmitter.

- Supports a wide range of HDTV and PC output resolutions up to 4K2K and WUXGA@60Hz (RB)
- Receive uncompressed data over a single 100 m/328 ft CAT5e/6/7 cable from a compatible matrix/transmitter
- HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through)
- Dual LAN connections
- Supports powering or being powered by 24V DC power from compatible PoC Transmitter through CAT5e/6/7 cable
- Supports Ethernet transmission rates up to 100Mbps
- Supports Balanced analog audio output (R/L) and HDMI audio input sampling rates up to 192kHz
- Supports coaxial digital audio output up to 192kHz sampling rate



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	2x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-526RX



## HDMI OVER CAT5e/6/7 RECEIVER

The CH-515RXPT Receiver can receive uncompressed audio/video and IP data over a single run of CAT5e/6/7 cable up to distances of 100m. It has the added benefit of a bi-directional LAN serving, allowing devices such as a Smart TV or games consoles to share an Internet connection. The unit can be powered by PoE (Power over Ethernet) from a compatible transmitter, allowing for greater flexibility in installations. HDMI with 3D, 4Kx2K support, HDCP and DVI compliant. Simultaneous transmission of uncompressed data over a single CAT5e/6/7 cable up to 100m.

- HDMI with 3D, 4K2K support, HDCP and DVI compliant
- Simultaneous transmission of uncompressed data over a single CAT5e/6/7 cable up to 100m/328ft
- Uncompressed video support up to 1080p@60 Hz/12-bit
- High definition audio support up to LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports HDCP repeater and CEC function
- Installation friendly



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	-	-	Yes	Yes	100M (@ 1080p)	Yes	CH-515RXPT

## CAT5e/6/7 OVER 2 HDMI RECEIVER WITH BIDIRECTIONAL 24V PoE

The HDMI over CAT5e/6/7 Receiver is designed to receive an HDBaseT™ signal from a compatible transmitter or matrix unit. It features full 5Play™ convergence allowing the transmission of video, Audio, Control (IR/RS-232), Power over Ethernet (PoE) and LAN serving over a single CAT5e/6/7 cable up to 100m. This unit features a simultaneous dual HDMI output allowing the connection of a second display in the same zone. Additionally, it has bi-directional Power over Ethernet (PoE) functionality that allows for greater flexibility in installations and LAN serving function that allows any connected device to share network/internet connectivity.

- HDMI with 3D, 4K2K support, HDCP and DVI compliant
- Simultaneous transmission over a single CAT5e/6/7 cable up to 100m/328ft
- HDMI outputs play identical video signal simultaneously
- Supports video data rate at 300 MHz/10.2 Gbps
- Supports PC resolutions from VGA to WUXGA and HDTV resolutions up to 4K2K
- HD audio support up to LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports audio sampling rates from 32 kHz to 192 kHz
- Supports Ethernet transmission rate up to 100 Mbps
- Provides 24V DC power to or from a compatible PoC Transmitter through the cable
- Supports bi-directional Infrared and RS-232 control
- Supports USB service port



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	2x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CHDBR-2HE

## HDMI/AUDIO OVER CAT5e/6/7 RECEIVER WITH BIDIRECTIONAL 24V PoC

This HDMI and Audio over Single CAT5e/6/7 Receiver/Splitter can receive uncompressed audio/video and data over a single run of CAT5e/6/7 cable, from a Transmitter, up to distances of 60m. It has the added benefit of simultaneous dual HDMI outputs with audio de-embedding to a balanced analogue stereo or digital coaxial audio output. The unit has a bidirectional PoC (Power over Cable) function that can power or be powered by a compatible transmitter allowing for greater flexibility in installations. Supports a wide range of HDTV and PC output resolutions up to 4K2K and WUXGA@60Hz (RB). Receive uncompressed data over a single 100 m CAT5e/6/7 cable from a compatible matrix/transmitter. HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through). Dual LAN connections.

- Supports a wide range of HDTV and PC output resolutions up to 4K2K and WUXGA@60Hz (RB)
- Receive uncompressed data over a single 100 m/328 ft CAT5e/6/7 cable from a compatible matrix/transmitter
- HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through)
- Dual LAN connections
- Supports powering or being powered by 24V DC power from compatible PoC Transmitter through CAT5e/6/7 cable
- Supports Balanced analog audio output (R/L) and HDMI audio input sampling rates up to 192kHz
- Supports coaxial digital audio output up to 192kHz sampling rate



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	2x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	60M (@ 1080p)	Yes	CH-526RXPL





## HDMI OVER CAT5e/6/7 EXTENDER WITH BIDIRECTIONAL 24V PoE

The HDMI over single CAT5e/6/7 with bidirectional IR, RS-232 & bidirectional PoC Transmitter and Receiver set can make your home or office set-up more efficient and easy to use. Uncompressed video and audio can be transmitted up to 60 metres with the PoC function and added benefit of controls through the built-in RS-232 and IR ports. This family design of HDBaseT™ technology allows a full usage of HDMI and controls over CAT5e/6/7 cable. Supports HDMI 3D and 4K x 2K features. HDMI input/output up to 15 metres with 8bits resolution or 10 metres with 12bits resolution.

- Compatible with HDCP and DVI
- Supports HDMI 3D and 4K x 2K features
- Supports HDBaseT-Lite Technology
- Supports HD resolutions up to 1080p@60Hz/36-bit
- Supports distance up to 70 metres through CAT5e/6/7 cable
- Supports bidirectional IR and PoC
- HDMI input/output up to 15 metres with 8bits resolution or 10 metres with 12bits resolution
- RS-232 with baud rate up to 115200/sec
- Supports wide range of IR frequency from 30~50kHz
- Supports HDCP repeater and CEC bypass
- Audio supports LPCM 7.1CH, Dolby® TrueHD, Dolby® digital Plus and DTS-HD Master Audio transmission



Transmitter



Receiver

Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	60M (@ 1080p)	Yes	CH-506TXPLBD
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	60M (@ 1080p)	Yes	CH-506RXPLBD

## HDMI OVER CAT5E/6/7 EXTENDER WALL PLATE (UP TO 100 METRES)

The device that can make your home or office more efficient, this unit of HDMI over Single CAT5e/6 can transmit and receive uncompressed audio/video, control through the built-in RS-232 and IR ports and Power on Ethernet(POE) over 100M with all plate design. Hence, if you want to make your home or office more efficient, get the HDMI & IR over single CAT5e/CAT6 and prepare to be amazed.

- HDMI with 3D, 4k x 2k support, HDCP & DVI Compliant
- Supports HDCP repeater and CEC bypass
- Simultaneously uncompressed data sending over a single 100M/328ft with CAT6 or CAT5e cable
- Uncompressed video 1080p, 60 Hz, 36-bit
- Audio support up to 7.1CH & Dolby® TrueHD, DTS-HD
- 4Play convergence: HDMI, PoE & Control (IR & RS-232)
- Wall plate design and Installation Friendly



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CH-506TXWP
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CH-506RXWP

## HDMI OVER CAT5e/6/7 WALL-PLATE EXTENDER (100m)

The HDMI over single CAT5e/6 wall-plate transmitter and receiver set can transmit and receive uncompressed audio/ video over a single run of CAT5e/6 cable up to 100m with bi-directional PoC & IR functions, LAN of a data transmission rate of 100Mbps & RS-232 features. This is a true HDBaseT™ 5Play solution which can greatly increase the efficiency and convenience of your home or office A/V system. HDMI with 3D, 4K2K support, and HDCP compliant.

- HDMI with 3D, 4K2K support, HDCP & DVI Compliant
- Supports HDCP repeater and CEC bypass
- Simultaneously uncompressed data sending over a single 100M/328ft with CAT6 or CAT5e cable
- Supports uncompressed video of 36/30/24-bit Deep Colour up to 1080p@60Hz
- Supports audio pass-through up to LPCM 7.1CH, Dolby® TrueHD, and DTS-HD Master Audio
- 5Play™ convergence: HDMI, bi-directional PoC, (bidirectional IR & RS232) & LAN
- Wall plate design and installation friendly



Transmitter



Receiver

Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@1080p)	Yes	CH-507TXWPBD
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@1080p)	Yes	CH-507RXWPBD



## HDMI OVER CAT5e/6/7 WALL-PLATE EXTENDER (100m)

The CH-507TXWPUS / CH-507RXWPUS is an HDMI over Single CAT5e/6/7 wall-plate transmitter and receiver set that can transmit and receive uncompressed audio/video over a single run of CAT5e/6/7 cable up to 100m with PoC, IR, RS232 and LAN of a data transmission rate of 100Mbps. A true HDBaseT 5Play™ solution to make our home or office more efficient and easy with control. HDMI with 3D, 4K2K supported, and HDCP compliant.

- HDMI with 3D, 4K2K supported, HDCP & DVI compliant
- Supports HDCP repeater and CEC bypass
- Simultaneous transmission of uncompressed data over a single CAT5e/6/7 cable up to 100m/328ft
- HDBaseT 5Play™ convergence: uncompressed high definition Video and Audio, LAN serving, Power over Cable and RS-232/IR controls
- Uncompressed video support up to 3840x2160@30 Hz or 4096x2160@24 Hz
- High definition audio support up to LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- US 2 gang wall-plate design



Transmitter

Receiver

Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@1080p)	Yes	CH-507TXWPUS
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@1080p)	Yes	CH-507RXWPUS

## HDMI OVER CAT5e/6/7 WALL-PLATE RECEIVER (100m)

The device that can make your home or office more efficient, this unit of HDMI over Single CAT5e/6 can receive uncompressed audio/video, RS-232 and IR control ports, Power on Ethernet(PoC) and Ethernet over 100M with wall plate design. This is a true HDBaseT™ 5Play solution which can greatly increase the efficiency and convenience of your home or office A/V system. HDMI with 3D, 4K2K support, and HDCP Compliant

- HDMI with 3D, 4K2K support, HDCP & DVI Compliant
- Supports HDCP repeater and CEC bypass
- Simultaneously uncompressed data sending over a single 100M/328ft with CAT6 or CAT5e cable
- Supports uncompressed video of 36/30/24-bit Deep Colour up to 1080p@60Hz
- Supports audio pass-through up to LPCM 7.1CH, Dolby® TrueHD, and DTS-HD Master Audio
- 5Play™ convergence: HDMI, PoC, Control (IR & RS232) & LAN
- Wall plate design and installation friendly



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@1080p)	Yes	CH-507RXWP

## HDMI OVER CAT5e/6/7 WALL-PLATE RECEIVER (60m)

The HDMI over CAT5e/6/7 Wall plate Receiver make your home or office more efficient. This Receiver can receive uncompressed Video/Audio and Bi-directional IR over 70 metres from Transmitter. It is freely to connect with compatible Transmitter through CAT5e/6/7 for data transmission. HDMI with 3D & 4K2K supported, and HDCP compliant.

- HDMI with 3D & 4K2K supported, HDCP and DVI compliant
- Supports data rate from 250Mbps up to 3Gbps
- Supports wide range of PC resolutions from VGA to WUXGA and HDTV resolutions up to 4K2K (3840x2160@30Hz and 4096x2160@24Hz)
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission (32-192kHz sample rate)
- Supports distance up to 70 metres through HDMI to CAT5e/6/7 Transmitter
- Supports Bi-directional IR control
- Wall plate design and installation friendly



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	-	-	-	60M (@1080p)	Yes	CH-514RXWPL





## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 60 METRES)

The HDMI Extender over single CAT5e/6 incorporating IR signal transfer allows for a more efficient system setup and is easy to install. Uncompressed video and audio can be transmitted to distances of up to 60 metres (1080p) and supports High Definition Audio and 3D signals. Designed with HDBaseT technology for greater flexibility in custom installations with full HDMI and control signal transfer over a single CAT5e/6 cable.

- HDMI with 3D, 4Kx2K support, HDCP and DVI compliant
- Complies with the HDBaseT-Lite class
- Supports HDMI (including HDCP) over a single CAT5e/6 up to 60m
- Full HD resolution support (1080p@60Hz/36-bit), 3D and 4Kx2K over 40m and PC resolution support (VGA to WUXGA) over CAT5e/6 cable
- HDMI input up to 15m with 8-bit resolution or 10 m with 12-bit resolution
- HDMI output up to 15 m with 8/12-bit resolution
- Supports HDCP repeater and CEC bypass
- Supports High Definition LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- Compact size with stylish design



Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	-	60M (@ 1080p)	Yes	CH-514TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	-	-	-	60M (@ 1080p)	Yes	CH-514RXL
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	-	-	-	60M (@ 1080p)	Yes	CH-514TXLN
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	-	-	-	60M (@ 1080p)	Yes	CH-514RXLN

## HDMI OVER CAT5E/6/7 EXTENDER (UP TO 60 METRES)

The HDMI Extender over single CAT5e/6 incorporating IR and RS-232 signal transfer allows for a more efficient system setup and is easy to install. Uncompressed video and audio can be transmitted to distances of up to 60 metres (1080p) and supports High Definition Audio and 3D signals. Designed with HDBaseT technology for greater flexibility in custom installations with full HDMI and control signal transfer over a single CAT5e/6 cable.

- HDMI with 3D, 4Kx2K support, HDCP and DVI compliant
- Complies with the HDBaseT-Lite class
- Supports HDMI 1.4 (including HDCP) over a single CAT5e/6 up to 60m
- Full HD resolution support (1080p@60Hz/36-bit), 3D over 60m, 4Kx2K over 40m and PC resolution support (VGA to WUXGA) over CAT5e/6 cable
- HDMI input up to 15m with 8-bit resolution or 10 m with 12-bit resolution
- HDMI output up to 15 m with 8/12-bit resolution
- Multiple control interfaces such as RS-232 with baud rate up to 115200/sec and IR
- Supports HDCP repeater and CEC bypass
- Supports High Definition LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- Compact size with stylish design



Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	-	60M (@ 1080p)	Yes	CH-513TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	-	60M (@ 1080p)	Yes	CH-513RXL
Transmitter	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	-	60M (@ 1080p)	Yes	CH-513TXLN
Receiver	1x HDMI	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	-	60M (@ 1080p)	Yes	CH-513RXLN

## HDMI/VGA OVER CAT5e/6/7 TRANSMITTER WITH VIDEO SCALING

This HDMI/VGA over CAT5e/6/7 Transmitter with Video Scaling allows the transmission of uncompressed video and audio, as well as bi-directional IR control, RS-232 pass-through, bi-directional Power over Cable (PoC) that can power receivers and LAN serving that allows a connected device to share a network over a single CAT5e/6/7 cable up to 100m. The unit can be controlled via IR remote control and RS-232, with all information including system status, presented on its comprehensive on screen display (OSD). The integrated scaler supports a full range of output resolutions, up to 1080p for HDTV resolutions and WUXGA (RB) for PC resolutions.



- Supports scaling of the HDMI/PC input to a wide range of HDTV and PC output resolutions Transmission of uncompressed data over a single 100m/328 ft CAT5e/6/7 cable to a compatible receiver
- HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through)
- Supports control of the unit via IR, Remote control, RS-232 and on-panel controls
- Features on-screen display (OSD) selection and display of system settings and information
- Supports bi-directional 24V DC Power over Cable (PoC) to or from compatible Receivers over CAT5e/6/7 cable
- Supports Ethernet transmission rates up to 100Mbps to compatible receivers



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI, 1xVGA	1x CAT5e/6/7	-	-	-	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-520TXAHS



## HDMI OVER CAT5e/6/7 RECEIVER WITH VIDEO SCALING

This HDMI over CAT5e/5/7 Transmitter with Video Scaling allows the transmission of uncompressed video and audio, as well as bi-directional IR control, RS-232 pass-through, bi-directional Power over Cable (PoC) that can power receivers and LAN serving that allows a connected device to share a network over a single CAT5e/6/7 cable up to 100m. The unit can be controlled via IR remote control and RS-232, with all information including system status presented on its comprehensive onscreen display (OSD). The integrated scaler supports a wide range of output resolutions, up to 1080p for HDTV resolutions and WUXGA (RB) for PC resolutions. For additional flexibility, there is an Audio De-Embedding function which allows digital optical audio(extracted from HDMI input) output into a wider AV system or direct connection to an AV Receiver.

- Supports scaling of the HDMI/PC input to a wide range of HDTV and PC output resolutions
- Transmission of uncompressed data over a single 100m/328 ft CAT5e/6/7 cable to a compatible receiver
- HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through)
- Supports control of the unit via IR, Remote control, RS-232 and on-panel controls
- Features on-screen display (OSD) selection and display of system settings and information
- Supports bi-directional 24V DC Power over Cable (PoC) to or from compatible Receivers over CAT5e/6/7 cable
- Supports Ethernet transmission rates up to 100Mbps to compatible receivers



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI, 1x CAT5e/6/7	1x HDMI	-	-	-	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-521RXHS

## HDMI OVER CAT5e/6/7 EXTENDER WITH 48V POE

This HDMI and Audio over Single CAT5e/6/7 Transmitter and Receiver set can send uncompressed audio/video along with control, IP and USB data over a single run of CAT5e/6/7 cable up to 100m. It has the added benefit of control through the built-in RS-232 and IR ports. With a bidirectional LAN serving connection. There is a bi-directional digital audio capability that gives users the convenience of an additional audio connection. This system also allows the connection of any USB host, enabling a USB connection to up to 2 USB ports, giving the Receiver the ability to act like a USB hub. The 48V PoE design can power the Receiver (PD) from the Transmitter (PSE), eliminating the need for a separate power supply for the Receiver.

- Supports HDBaseT 2.0 specification over a single CAT5e/6/7 cable up to 100m/328ft
- Fully compliant with HDMI 1.4, and compatible with HDMI 2.0 (4K2K 60Hz with 4:2:0)
- Receiver features 2 USB 2.0 ports
- HDMI (with 3D & 4K2K support), HDCP and DVI compliant
- HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through)
- Supports pass-through of audio formats: LPCM 2/5.1/7.1CH, Dolby® Digital 2~5.1CH, DTS 2~5.1CH, Dolby® Digital Plus, Dolby® TrueHD and DTS-HD Master Audio
- Supports 100Mbps Ethernet capabilities
- Bidirectional LAN and external digital audio capability



Transmitter



Receiver



Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-1601TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-1601RX

## HDMI OVER CAT5e/6/7 EXTENDER WITH BIDIRECTIONAL 24V PoC

The HDMI with RS-232 over Single CAT5e/6 transmitter and receiver set can send uncompressed audio/video over a single run of CAT5e/6 cable up to 100 m with PoC feature and the added benefit of control through the built-in RS-232 and IR ports and a bi-directional LAN connection. HDMI with 3D, 4K2K support, HDCP & DVI compliant, supports CEC bypass.

- HDMI with 3D, 4K2K support, HDCP & DVI Compliant
- Supports CEC bypass
- Simultaneous transmission of uncompressed data over a single 100 m/328 ft CAT5e/6 cable
- Uncompressed video 1080p, 60 Hz, 36-bit
- Audio support up to 7.1CH, Dolby® TrueHD, DTS-HD
- 5Play™ convergence: HDMI, LAN, Bidirectional PoC & Control (IR & RS-232)



Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-507TXBD
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-507RXBD





## HDMI OVER CAT5e/6/7 EXTENDER WITH 48V POE

This HDMI over Single CAT5e/6/7 Transmitter and Receiver set can send uncompressed audio/video and IP data over a single run of CAT5e/6/7 cable up to a distance of 100 metres. It has the added benefit of control through the built-in RS-232 and IR ports and a bi-directional LAN serving connection. The Receiver (PD) can be powered by the PoE 48V function of the Transmitter (PSE), allowing for greater flexibility in installations.

- HDMI (with 3D and 4K2K support) and DVI compliant
- Supports CEC bypass function
- Simultaneous transmission of uncompressed data over a single 100m/328ft CAT5e/6/7 cable
- HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through)
- Supports resolutions up to 4K2K@50/60Hz (YUV420) and 21:9 aspect ratio
- Supports standard 48V from Transmitter (PSE) to Receiver (PD)
- Supports HDMI Input/Output cable lengths up to 10m at 4K2K@50/60Hz (YUV420)



Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-1527TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-1527RX

## HDMI OVER CAT5e/6/7 EXTENDER WITH 48V POE

The CH-1507 transmitter and receiver set can send uncompressed audio/video and IP data over a single run of CAT5e/6/7 cable at a distance up to 100 metres. It has the added benefit of control through the built-in RS-232 and IR ports and a bi-directional LAN serving connection. The Receiver (PD) can be powered by the PoE (48V) function of the transmitter (PSE), allowing for greater flexibility in installations.

- HDMI with 3D, 4K2K support, HDCP and DVI compliant
- Simultaneous transmission of uncompressed data over a single CAT5e/6/7 cable up to 100m/328ft
- HDBaseT 5Play™ convergence: uncompressed high definition Video and Audio, LAN serving, Power over Ethernet and RS-232/IR controls
- Uncompressed video support up to 1080p@60 Hz/36-bit
- High definition audio support up to LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports audio sampling rates of 32 kHz to 192 kHz
- Supports standard 48V power from Transmitter (PSE) to Receiver (PD)
- Supports CEC bypass
- Installation friendly



Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-1507TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-1507RX

## HDMI OVER CAT5e/6/7 TRANSMITTER WITH LAN/IR/RS-232/POE

The CH-2507 transmitter and receiver set can send uncompressed audio/video and IP data over a single run of CAT5e/6 cable at a distance up to 100 metres with the added benefit of control through the built-in RS-232 and IR ports and a bidirectional LAN serving connection. The transmitter (PD) can be powered by the PoE (48V) function of the receiver (PSE), allowing for greater flexibility in installations.

- HDMI with 3D, 4K2K support, HDCP and DVI compliant
- Simultaneous transmission of uncompressed data over a single CAT5e/6/7 cable up to 100m/328ft
- HDBaseT 5Play™ convergence: uncompressed high definition Video and Audio, LAN serving, Power over Ethernet and RS-232/IR controls
- Uncompressed video support up to 1080p@60 Hz/36-bit
- High definition audio support up to LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio
- Supports audio sampling rates of 32 kHz to 192 kHz
- Support standard 48V power from Receiver (PSE) to Transmitter (PD)
- Supports CEC bypass
- Installation friendly



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-2507TX
1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-2507RX



## VGA/CV OVER CAT5e/6/7 TRANSMITTER WITH VIDEO SCALING

The CH-516TXAS is an HDBaseT™ Transmitter Scaler supporting PC or Composite Video input. It can scale and switch the video sources, and send the digitalized signal over a single run of CAT5e/6/7 cable to the Receiver at a distance up to 100 metres, along with an external audio input, 2-way IR, RS-232 and bidirectional LAN serving. Control is via on-panel buttons or IR remote control and there is an On-screen Display (OSD) providing selection and system information. The device provides a full range of output resolutions, up to 1080p and WUXGA (RB). The bidirectional Power over Cable (PoC) function provides greater flexibility in installations.

- Supports PC/CV scaling to a full range of HDTV or PC resolutions up to 1080p and WUXGA (RB)
- Transmission of uncompressed data over a single CAT5e/6/7 cable up to 100m/328ft
- HDBaseT 5Play™ convergence: High-Definition Video and Audio, 100BaseT Ethernet, PoC and Control (Bidirectional IR/RS-232 pass-through)
- Supports Ethernet transmission rates up to 100 Mbps
- Supports bidirectional PoC, that is, when it's connected to a compatible Receiver either end can work without PSU
- Controls via IR remote control and on-panel buttons
- Supports NTSC and PAL formats for Composite Video input
- Supports OSD (On-screen Display) selection and system information display



Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x VGA, 1x CV	1x CAT5e/6/7	-	-	-	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CH-516TXAS



## DVI OVER CAT5e/6/7 EXTENDER WITH 4 LAN PORTS

The HDBaseT™ DVI over CAT5e/6/7 Transmitter and Receiver set can send uncompressed video and audio (Up to 1080p@60Hz/-Deep Colour) with IP and control (IR/RS-232) data over a single run of CAT5e/6/7 cable up to 100 metres. Additionally, it has Power over CAT5e/6/7 (PoC) functionality that allows for greater flexibility in installations and LAN serving for up to 4 connections (2 on the receiver, 2 on the transmitter). Supports Bi-directional IR control and RS-232 pass through. Single power supply can power both units, the receiver unit is powered by the transmitter via PoC.

- Simultaneous transmission of uncompressed video and audio (1080p@60Hz/-Deep Colour) over a single CAT5e/6/7 type cable up to 100 m (300 ft)
- Supports pass-through of High-definition Audio up to LPCM 7.1CH, Dolby® TrueHD and DTS-HD Master Audio with HDMI to DVI adaptor
- Connect and share up to 4 LAN connections (2 at the transmitter end, 2 at the receiver end) at speeds up to 100 Mbps
- Supports Bi-directional IR control and RS-232 passthrough
- HDBaseT™ 5Play™ convergence: uncompressed high definition Video and Audio, LAN serving, Power over Cable and RS232/IR Control passthrough
- Single power supply can power both units, the receiver unit is powered by the transmitter via PoC



Transmitter



Receiver

Type	Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
Transmitter	1x DVI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CDVI-1109TXC
Receiver	1x DVI	1x DVI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M (@ 1080p)	Yes	CDVI-1109RXC







## DVI OVER CAT5E/6/7 EXTENDER (UP TO 60 METRES)

The DVI Extender over single CAT5e/6 allows for a more efficient system setup and is easy to install. Uncompressed video and audio can be transmitted to distances of up to 60 metres (1080p) and supports High Definition Audio. The signal can be converted to an HDMI signal (with adaptor).

Designed with HDBaseT technology for greater flexibility in custom installations with full DVI signal transfer over a single CAT5e/6 cable.

- Complies with the HDBaseT-Lite class
- Supports HDMI (including HDCP) over a single CAT5e/6 up to 60m
- Full HD resolution support (1080p@60Hz/36-bit) and PC resolution support (VGA to WUXGA) over CAT5e/6 cable
- Compact size with stylish design



Type	Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
Transmitter	1x DVI	1x CAT5e/6/7	No	No	No	No	CAT5e/6/7	Yes	Yes	Yes	CDVI-513TXL
Receiver	1x CAT5e/6/7	1x DVI	No	No	No	No	CAT5e/6/7	Yes	Yes	Yes	CDVI-513RXL

## HDBaseT REPEATER (UP TO 100 METRES)

The CAT5e/6/7 Repeater is an economical and stable device for extending and cascade your HDBaseT signal. Supporting the highest quality of uncompressed high-definition HD video of 4Kx2K, uncompressed multi-channels audio up to 8CH, bi-directional control systems, PoE and Ethernet a complete functions of HDBaseT 5Play™ with just a simple connection over single CAT5e/6/7.

- Compatible with HDCP and DVI
- Supports HDMI 3D, CEC Bypass, and 4Kx2K features
- Supports distance up to 200 metres through CAT5e/6/7 cable
- Supports HD resolutions up to 1080p@60 Hz/36-bit
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS- HD Master Audio transmission
- HDBaseT 5Play™ convergence support
- Supports RS-232 and IR controls
- Power over Ethernet (PoE) supports through compatible transmitter



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1C

## HDBaseT-LITE REPEATER (UP TO 60 METRES)

The CAT5e/6/7 Repeater is an economical and stable device for extending and cascade your HDBaseT™ signal. Supporting the highest quality of uncompressed high-definition HD video of 4Kx2K, uncompressed multi-channels audio up to 8CH, bi-directional control systems, PoE with just a simple connection over single CAT5e/6/7.

- Compatible with HDCP and DVI
- Supports HDMI 3D, CEC Bypass, and 4Kx2K features
- Supports distance up to 120 metres through CAT5e/6/7 cable
- Supports HD resolutions up to 1080p@60 Hz/36-bit
- Supports LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS- HD Master Audio transmission
- Supports RS-232 and IR controls
- Power over Ethernet (PoE) supports through compatible transmitter



Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1CL

## PoE ETHERNET POWER INSERTER

The CAT5e/6/7 Power Inserter is designed to provide 24V power to a connected PoE-capable HDBaseT Receiver unit for it to operate without power supply. In a simple application of HDBaseT PoE extender set, the Receiver unit can be powered by the connected transmitter unit, over a single run of CAT5e/6/7 cable. However, when comes to an integration of multiple HDBaseT devices, the PoE-capable Receiver unit might not always be able to benefit from the PoE feature as the transmitter could be either non-PoE or its power output is used by other device, to work around such a situation you can install CAT5e/6/7 Power Inserter to the system to insert the power required by the Receiver unit.

- Supports power insertion
- Supports HDBaseT signal bypass
- Power cascading
- Compact and easy to use



Input	Output	Power management	Code
1x CAT5e/6/7	1x CAT5e/6/7	Yes	CH-POC1

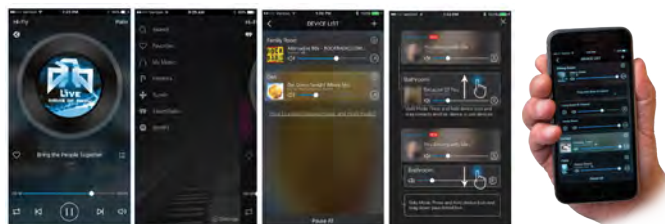


## WiFi To AV

### DAYTON HI-FLY MULTI-ROOM WI-FI AUDIO

#### Hi-Fly™ Multi-Room Wi-Fi Audio Technology

Dayton Audio's Hi-Fly™ App turns your mobile device or tablet into a remote control for all Dayton Audio Hi-Fly™ enabled devices. Stream music from your favourite providers, or from your home network or directly from your mobile device. With Hi-Fly™ you can send music to individual speakers with individual user control, or "Group" any combination of speakers together for true Multi-room simultaneous audio. Plus, your music continues to play even if your phone is turned off or you need to take a call. The Dayton Audio Hi-Fly media streaming system is a top market solution that is simple and convenient to use with an intuitive interface comfortable for any user.



Hi-Fly App for Android & Apple

Phone Not Included

- Control The Airwaves At Home with the Free Hi-Fly™ App for Apple or Android
- Music Uninterrupted. Take a call or close Hi-Fly™ without any disruption to your music stream, let others take control. Versatile multi-user music streaming.
- Enables Multi-room (same song, all rooms), Multi-channel (any song, any room) and Multi-user (any user, any room), for the ultimate in whole house audio
- Integrates directly with popular music streaming services for instant access.
- Save your favourite songs, playlists or preset radio stations. Hi-Fly™ does it all!
- Please note: Streaming Audio uses up bandwidth. The more media streaming devices on your WiFi system, the stronger the WiFi system will need to be.\*



**MULTI-ROOM:**  
Play synchronized audio in multiple rooms for seamless listening.



**MULTI-CHANNEL:**  
Play any song to any single device or group of devices together.



**MULTI-USER:**  
Different users can control the audio source for different devices.

### WFA02 MULTI-ROOM WI-FI AUDIO ADAPTOR

Experience true musical freedom with the Dayton Audio WFA02 Wi-Fi Audio adaptor. This adaptor turns your current powered speakers or home stereo into an Internet radio and music streaming system.

Supports: iOS/Android or Airplay/DLNA with MacOS/Windows/etc.

Supported protocols: DLNA, AirPlay

Wi-Fi: 801.11 b/g/n

RJ45: Ethernet port

Frequency response: 20-22,000 Hz

Analogue input: Stereo 3.5 mm (for AUX selecting option)

Analogue output: Stereo 3.5 mm

USB OTG port; Built-In NAS for storing and serving music files

Power supply: Micro USB - 5 VDC, 500mA Plug-Pack included

Dimensions: 75x75x17mm.



BACK: Audio I/O and Ethernet



Code

WFA02

### MARK2-WF BLUETOOTH / WI-FI SPEAKER

Take your home audio to a whole new level with the Dayton Audio MARK2-WF Wi-Fi Speaker. Combining retro styling with modern technology, the MARK2 looks great in any room and produces clear, rich 6 speaker sound. Set-up is effortless, making it easy to add additional speakers for instant whole-house audio with Hi-Fly.

Power output: 2x5Wrms Stereo + 1x10Wrms Woofer

Frequency response: 50-20,000 Hz THD: ≤1% SNR: ≥75 dB

Drivers: Two 1" silk dome tweeters, two 2" midrange woofers, one 3.5" subwoofer, one 2.5"x6.5" passive radiator for smooth full bass

Select Switch: 1:-Bluetooth/NFC, 2:-Wi-Fi, 3:-AUX 3.5mm Input

Volume control. Bluetooth controls Play/Pause/Rew/FF.

350x117x160mm Mains operated. USB 1A power output socket.



Code

MARK2-WF

\*Please note: For a single streaming source player and two Hi-Fly devices, a minimum 150M network with a strong signal area is required. For additional Hi-Fly devices, a 300M or faster network router is recommended. The Wi-Fi signal strength needs to be strong and stable for each Hi-Fly area. Each specific system is unique and may have different requirements. eg. High-Speed, High-Bandwidth routers, and/or additional Wi-Fi access points may be required to enjoy house-wide high-fidelity streaming audio with Hi-Fly.

Hi-Fly™ is free to download and allows you to stream music from any network shared or DLNA/UPnP enabled device, including Airplay, as well as popular online media providers. Hi-Fly™ will stream-to Dayton Audio's Hi-Fly™ products only. For further feature descriptions, see the Hi-Fly™ manual.





## AV To IP

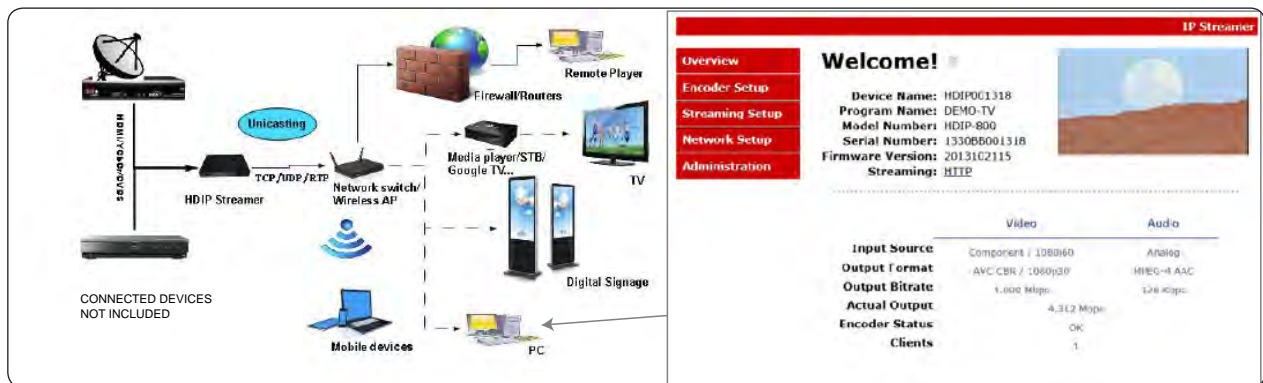
### HIGH DEFINITION IP DISTRIBUTION SYSTEM

#### HDMI COMPONENT & COMPOSITE TO ETHERNET

The digi-MOD HD IP Streaming Server is perfect for all media applications including Digital Signage, HD Classrooms, Pro AV Systems, Homes, Corporate Board Rooms, CCTV IP Streaming and HD distribution over IP networks. digi-MOD IP can even be connected directly to the following brand TV's without the requirement of IP-STB's – an economical HD solution. The IP Streamer accepts a HDMI, Component, Composite video, USB and both analogue and digital audio inputs, the RL-IP1000 can stream any content you require.

- HDMI, Component, Composite Video inputs with auto detection
- Dual Mode H.264 AVC / MPEG-2 selectable 480i to 1080p
- Analogue, Coaxial and Optical Audio Inputs
- Audio format : MPEG1-Layer2(MP2), AAC, AC-3 pass-through
- Easy installation and use with Web based programming
- Gigabit Ethernet output port
- HTTP Server (DLNA), TCP unicast
- UDP/RTP multicast, UDP/RTP unicast

Code  
RL-IP1000



### HIGH DEFINITION IP RECEIVER SET TOP BOX

Resi-linx "digi-MOD IP" Set Top Box is a cost effective IP receiver which receives HD content via IP and outputs to your TV via HDMI and Component Video connections. Compact design allows installation in any environment. With IR receiver included.

- Video Resolution - Up to 1080p
- HDMI and Component Video Outputs
- Stereo Analogue Audio Output - via RCA
- MPEG-2, H.264/AVC SD/HD Stream Decoding
- 10/100M Base-T RJ45
- Audio MDI/MDIX
- IGMP Multicasting Programs
- Support USB2.0 FAT Format Only
- Easy to Install and Use
- Light Weight Compact Design
- Includes remote control, remote extender

Code  
RL-IP6000





## □ Audio/Video Over CAT5

### VIDEO BALUNS ACTIVE

#### WITH OPTIONAL AUDIO & RS485

Receiver is compatible with VB104 & VB105 to extend to 900M or use both active transmitter and receiver to accomplish up to 1200M with 6MHz video bandwidth. Also available with optional RS485 control wires.

Type	Code
Transmitter	VB112TX
Receiver	VB112RX

Two pieces required.  
Requires twisted pair type cable (eg. CAT5e)



EACH

### CCTV OVER CAT5 - HD COMPATIBLE

#### CAT6 HD-TV 1080p UP TO 250M

Long distance image transmission from camera to security system over UTP CAT5/6. Compatible with all HD-TVI, FD-CVI and A-HD analogue cameras. Exclusive.

- High definition image up to 1080p
- SD up to 450M, HD up to 250M
- Wave filter and anti-static design
- Built-in over voltage surge protection
- Built-in lightning protection grade III
- 60dB crosstalk and noise immunity
- Exceptional interference rejection
- Screw terminals UTP to BNC video
- Not compatible with other extenders

KIT PAIR

Code  
VB116



Sold in Pairs

### ACTIVE TRANSCIEVER PAIR 12VDC

#### GOOD FOR UP TO 1500M

Single twisted pair for convenient wiring, low-cost cable, simple install, high reliability, anti-interference, low noise. Distance EQ switches for tuning. BNC 1Vpp video input and outputs. Bandwidth is 6MHz. Requires twisted pair cable and 12Vdc power-pack.

Code  
VB201

KIT PAIR

#### REQUIRES POWER x2

Power required at both ends, or Power at one end can be sent via a 2nd cable pair. 12Vdc.

Code  
DCA500-12PM



### SINGLE CHANNEL PASSIVE VIDEO BALUN PAIR

#### SOLD IN PAIRS

Full-motion CCTV video at distances up to 330m when used with any passive transceiver. Up to 1500m with any active UTP video receiver. Tool-less, installs in seconds, no need to strip the wires. NTSC, PAL, and SECAM video formats. No power required. 60dB crosstalk and noise immunity. Compact size and easy installation.

Code  
VB115

KIT PAIR



### PASSIVE RECEIVER PAIR CAT-5

#### DIRECT PLUG CAT-5 GOOD FOR 200 METRES

Converts standard composite video into a balanced signal for transmission along common twisted pair cables (CAT5/6 RJ45). Colour video 200M+ and B&W Video 300M+. Converts Video (BNC male) to Balanced signal (RJ45) for twisted pair runs. 2 Required for Transmit & Receive (1 at each end).

SOLD EACH TWO ARE REQUIRED  
One for Send and  
One for receive.

Code  
VB860

EACH



UpTo  
200M  
CAT5 Cable  
NOT Included

### CCTV PASSIVE TRANSCIEVER VIDEO BALUN

Composite video BNC Sockets. DC-6MHz 1V 75Ω, 60dB up to 300M. ABS fire retardant plastic. No power required. Requires 24 AWG or larger gauge Twisted pair cable such as CAT5 or CAT6. Can be use as Transmitter/Receiver. Installed directly to the camera video out put.

#### FAST CONNECTION WITH MINI-COAX PIGTAIL

Male BNC with extended 175mm pigtail. Spring compression wire terminal reduces wiring time.

Code  
VB103

#### SCREW TERMINATION PASSIVE TRANSCIEVER

Male BNC with extended 175mm pigtail. Screw terminal.

Code  
VB100

EACH



#### GOOD FOR UPTO 300M

Baluns are sold individually. 2 pieces required, One for transmitter and one for receiver. All Balun models are interchangeable with each other.





## Audio/Video Over CAT5

### VIDEO BALUNS PASSIVE

#### RUN VIDEO UP TO 400M

Passive balun technology to transmit colour composite video signal over twisted-pair cable up to an amazing 400 Metres! Boost this range up to 900 Metres by using the active receiver option. Easy & quick. Installs directly to the camera video output. 2 required. Sender/Receiver.

Type	Code
Straight	VB104LG
Right Angle	VB104SH
Pig Tail	VB105

Two pieces required.  
Requires twisted pair type cable (eg. CAT5e)



EACH

### MULTI-CHANNEL VIDEO BALUN

#### 4 WAY BNC [CVBS] ON ONE CAT5

4CH Send/Receive in one box (2x req.) Uses bare wire terminated CAT5 cable Requires a second box at other end Or run individually to each camera with our compatible VB101 Baluns No cable supplied (200M max.)

Code  
VB9252



EACH

### 4 CHANNEL PASSIVE TRANSCEIVER

#### UP TO 400M OVER CAT5

Receive / Transmit video signals over UTP cable with out using power supply. Transmits 4 composite video signals in one CAT5 cable. Supplied in single units. Two required for each end or use with the VB110 rack unit. Metal cased 103x70x30mm.

Code  
VB109



EACH

### 16 CHANNEL PASSIVE TRANSCEIVER

#### TRANSMIT OR RECEIVE VIDEO UP TO 400M

Receive / Transmit 16 video signals over UTP cable. 400M Distance. Connects via either CAT5e RJ45 cables (x4) to VB109 or another VB110 or individual screw terminal pairs for each to twisted pair cables for VB104 and VB105. Size 1U 44x180x430mm (Brackets included) 16 Channels BNC Female in/out.

Description	Code
16CH RX/TX	VB110



### CCTV OVER CAT5 VIDEO BALUN

#### WITH POWER OVER CAT5

Extend Video signals & Power over a single CAT5/6 cable. Sold in pairs (Transmitter & Receiver) RJ45 socket for Cat-5/6 cable BNC and 2.1mm DC connections. Size 43x20x21mm. Up to 100M distance. CAT5/6 Cable required.

Code  
VB106

Sold in send-receive pairs.  
Requires RJ45 CAT5 Cable.



KIT PAIR

### STEREO AUDIO & VIDEO OVER CAT5

#### PRO2 BALUN PAIR - UP TO 300M

Sends composite video and stereo audio signals over long distances using economical CAT5 cable allowing you to distribute video and sound easily and efficiently.

Code  
PRO1221



KIT PAIR

### STEREO AV & IR OVER CAT5

#### WITH IR RETURN

Send composite video and analogue stereo audio over a single CAT5 cable up to 300m. Also supports IR return with the connection of the included IR target and emitters, power pack. IR sender is Foxtel® compatible.

Code  
PRO1211



KIT PAIR

### COMPONENT VIDEO & DIGITAL AUDIO EXTENDER

#### VIDEO & AUDIO UP TO 100 METRES

Allows you to greatly extend your cable range using conventional Cat 5e cable, enabling you to lengthen the propagation distance or pipe your A/V signals over conventional network cable runs. Transmission distance over Cat 5e/6 UTP: 480p: Up to 100m 720p: Up to 75m 1080i: Up to 50m Includes Coax Audio too RCA-RCA Digital Audio Two required for send/receive.

Code  
PRO1218

REQUIRES CAT5 CABLES

EACH





## COMPOSITE VIDEO WITH REMOTE CONTROL

### WALL PLATE BALUN FOR TV

Send Composite Video with Stereo Audio & IR Wall plate allows you to send A/V signal and remote control signal (for AV equipment) over long distances using Cat5e cable. Kit includes: 1x Audio / Video Transmitter wall plate, 1x Audio / Video Receiver wall plate, also an IR receiver and Dual emitters Powered by a 12VDC power pack included.

Good quality (SD) video up to 100M Colour coded Solder terminals on rear of wall plate. Requires CAT5e bare-ended cable

**SOLD AS A KIT**

Code  
PRO1199



## COMPONENT VIDEO WITH REMOTE CONTROL OVER CAT5

### WALL PLATE BALUN FOR HD-TV KIT PAIR

Component Video (3x RCA) w/ IR (No Audio) Wall plate allows you to send video signal and remote control signal (for AV equipment) over long distances using Cat5e cable. 480p 100M distance, 720p 75M distance. 1080i 50M distance.

Colour coded IDC 3x Female RCA Video (Y/Pb/Pr or RGB) Impedance: 100 Ohm Unbalanced. Colour coded 110-Type punch down for Cat5e cable on rear of wall plate.

Kit includes:

1x Component video transmitter wall plate,  
1x Receiver wall plate,  
IR receiver and Dual emitter,  
12VDC 200mA power pack.

**SOLD IN PAIRS**

Code  
PRO1200



**Pro.2**  
Providing AV Solutions



## COMPONENT VIDEO & AUDIO WITH REMOTE CONTROL

### WALL PLATE BALUN FOR HD-TV COMPLETE

Component Video (3xRCA) & Digital Audio (Coax) Plus Composite Video (1xRCA) and Stereo Audio. Wall plate allows you to send A/V signals and remote control signal (for AV equipment) over long distances using Cat5e cable. Kit includes 1x Audio / Video Transmitter wall plate 1x Audio / Video Receiver wall plate, Also IR receiver and Dual emitter, 12VDC 200mA power pack. 480p 100M distance, 720p 75M distance. 1080i 50M distance. Colour coded IDC RJ45 Ports for quick setup (2x2) Cat5e cable is required.

**SOLD IN PAIRS**

Code  
PRO1254

**Pro.2**  
Providing AV Solutions



## ADDITIONAL ACCESSORIES

### SEND & RECEIVE KIT

3.5mm plug. Suit PRO1200, PRO1199, PRO1254

Description	Cord	Code
Single IR Transmitter	3M	PRO1141
Dual IR Transmitter	3M	PRO1142
IR Receiver Unit	3M	PRO1178A



## WALL PLATE AUDIO/VIDEO OVER CAT5

### INBUILT AV BALUN RCA-CAT5e

RCA AV Wallplate with Built-in passive Cat5e extender allows you to extend your AV signal to another room using one Cat5e cable to up to 100M distance away. Colour coded IDC contacts for punch tool insertion. 1x RCA Composite Video (or digital audio) 2x RCA Stereo Audio Video: 100 Ohm unbalanced 12MHz Audio: 600 Ohm unbalanced 50Hz-15KHz.

**SOLD IN PAIRS**

Code  
PRO1177



## WALL PLATE COMPONENT VIDEO CAT5

The In-Wall component video CAT 5 extender provides high quality picture over long distance using economical Cat 5e or higher UTP cable.

RCA female connectors

UTP: 110-type rear punchdown

75Ω unbalanced (Video)

100Ω balanced (UTP)

Bandwidth: DC ~60 MHz

Distance (Over cat 5e/6 UTP Cable)

480p video: up to 100 metres

720p video: up to 75 metres

1080i video: up to 50 metres

Code  
PRO1170



**Pro.2**  
Providing AV Solutions

**Pro.2**  
Providing AV Solutions





## □ Linx-AV Balun & Matrix

### LINX-AV BALUN & MATRIX AV RANGE

#### BALUN EXTENDERS & SWITCHES

This range offers stand-alone Stereo Audio or Digital Audio, Composite or Component Video solutions for AV Distribution.

#### CAT5 ETHERNET UTP LEADS

Achieve distances up to 300M Leads Required. Not Supplied. See Data & Computer Section for CAT5 leads.

#### CONNECTION CABLES

Each system requires leads. See the Cables & Connectors Section 02.



### POINT-TO-POINT TRANSMITTER

#### COMPONENT AV TO FOUR

Send HDTV up to 100M CAT5e to 1GHz bandwidth 1x RCA Digital Audio & 1x 3.5mm Stereo Audio 3x RCA Component Video with feed-thru sockets and IR emitter option Outputs to 8X CAT5e to send to 4 receivers (Sold separately)



Code RL-BV240A

Sender Only  
Requires One to  
Four Receivers.  
See RL-BV250B

IR Emitter is  
optional



### POINT-TO-POINT BALUNS

#### COMPONENT AV HDTV

Send colour up to 100M CAT5e to 1GHz bandwidth 3x RCA Composite video 1x RCA Digital audio Suits High Definition Video distribution Requires connection leads and CAT5e lead

Code RL-BV200

Sender & Receiver  
Passive Kit.  
Order one to  
receive a pair.



### POINT-TO-POINT RECEIVER

#### COMPONENT AV HDTV

Receiver unit required by the RLBV240A (4 way) or the RLBV2000 (8 way) Receives CAT5e leads to 3x RCA Component video Stereo and Digital audio supplies a zone with High Definition AV & HDTV Optional IR Target required Requires CAT5e & AV Leads

Code RL-BV250B

Receiver Only  
Requires Sender.  
See RL-BV240A

IR Target is  
optional



### IR OPTIONS RESI-LINX

#### ADD REMOTE FUNCTION

Optional IR Repeater function requires the following parts:

#### IR TARGET RESI-LINX

Each zone requires a receiver

Code RL-BV500



#### IR EMITTERS RESI-LINX

Base requires IR LED repeaters

Type Single Double

Code RL-IR700 RL-IR800



#### IR MOUNTING RESI-LINX SUITS RL-IR700 RL-IR800

Cup holds IR emitters direct to equipment.

Code  
RL-ACC160







## □ IR Extenders

## □ Linx-IR Multi-Room IR

### LINX-IR MULTI-ROOM IR SYSTEM

#### STAND-ALONE REPEATER

resi-linx hard-wired IR remote control extender with distribution hub to multiple zones for controlling centralised Infra-red remote control devices. Utilises common CAT5 UTP RJ45 Type Cable

#### WITH DISCRETE CONTROL

Unique control of specific devices to certain zone/s



### IR DISTRIBUTION MODULE

#### RL-IR305

Remote control central Outputs emitter ports to Discrete IR Channel A Discrete IR Channel B or the common channel. Seven 3.5mm connections Includes power supply

Code RL-IR305



### IR RECEIVER TARGET

#### RL-IR505

IR receiver module and flat target. Sends IR signals via CAT5 UTP cable back to the IR305. Up to 60 metres (requires cable).

Code RL-IR505

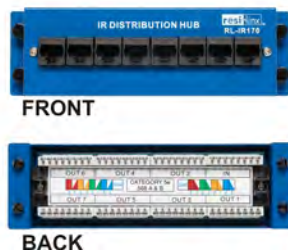


### IR DISTRIBUTION HUB

#### RL-IR170

Connects to IR505 and Distributes UTP cable in a radiating pattern to multiple zones for the linx-IR system. Connect either via IDC terminals or RJ45 Eight connections in total, one to seven.

Code RL-IR170



### LINX-IR KIT

#### RL-IR100

Stand alone IR kit Three resi-linx parts. Includes mini module with direct connect IR flat target and one dual emitter set. Ideal for equipment behind a cabinet, etc. Extends up-to 50 metres. Blister resale pack.

Code RL-IR100



### IR SINGLE EMITTER

#### RL-IR700

Plugs into IR305 and emits the IR Signal to equipment Single LED on a 1.75M lead to a 3.5mm plug

Code RL-IR700



### IR DOUBLE EMITTER

#### RL-IR800

Plugs into IR305 and emits the IR Signal to equipment Two LEDs on separate 1.75M leads to a single 3.5mm plug

Code RL-IR800



### LINX-IR FLUSH TARGET

#### RECEIVER OPTION

Where installations require a flush mount IR Target receiver module for discrete low-profile mounting. Compatible with both IR305 and IR100 units. Includes 2M cable. Extend up to 60M

Code RL-IR600



### FOXTEL® COMPATIBLE

#### FOXTEL® APPROVED

resi-linx equipment is compatible with most audio-visual equipment.

#### PLASMA FRIENDLY

Superior performance resi-linx® excellence for reliable operation in professional installations.







## □ Prolink Series

### REMOTE-CONTROL REPEATER

#### INFRA-RED IN A CABINET

Hide electronic equipment away from view! Attractive modern solution for multi-media. IR Receiver is mounted outside the cabinet IR Repeater is inside with the equipment. System is expandable to extra IR receivers, even extend control into multiple rooms!

#### FOXTEL COMPATIBLE

All items are multiple system compatible and will repeat the IR signal from a majority of equipment manufacturers. This makes the system able to repeat the remote control signals of any DVD player, Home theatre system receiver, Digital TV & iQ, etc.

#### STATUS INDICATOR

OPTIONAL Requires 12V Power Pack. The RPT1041 has a 2.1mm socket connection This can be connected to a 12Vdc trigger or an optional 12Vdc power pack connected to the amplifiers mains switched output. This allows the Optional remote Wall Plates to indicate via their reception LEDs that the main system is powered-up and ready. Optional power pack for this feature: DCA200-12P



### REPEATER MODULE

#### IR CENTRE PORT (ONLY)

Device for connecting the IR receivers, Power supplies and IR emitters together. Four 3.5mm connections for IR Emitters and 2.1mm for 12Vdc power in (required). Powered IR Receiver connections are screw so multiple IR Receivers can be wired parallel 62x55x23mm. Metal box requires power, etc.



Code  
RPT1041

#### IR TRANSMITTERS

IR Diodes Single or Pairs. Mini IR Transmitter diodes for placing near the equipment you wish to control with IR. 2 metre flexible black cable 3.5mm plugs to suit RPT1041.



Type	Code
Single	IEC-3501B
Dual	IEC-3502B

### IR RECEIVER

#### WALL PLATE

Optional IR Receiver module Standard wall plate mounting IR window & reception indicator Three wire screw terminal for Cable run up to 300 metres away Connects to the PT1041 module White 115x70x15mm



Code  
IRP3099

#### IR RECEIVER + VOLUME

##### WALL PLATE 8Ω ATTENUATOR

115x70x70mm wall plate mounting IR window & reception indicator Requires RPT1041, cable, etc. With 12 position attenuator knob Adjusts Stereo 8Ω speaker lines Includes impedance matching for running multiple speakers too.



Code  
VC1218

### KIT COMPLETE

#### STARTER PACK

All you need for a simple install A basic in cabinet solution RPT1041 Connection box with Three IR Transmitter Diodes An Infra-red receiver block and a 240Vac to 12Vdc P-Pack Optional extras available above



Code  
IR-KIT

### IR RECEIVER

#### FLUSH BULLET EYE 45x12mmØ

Mounts flush into a 1/2" hole Connects to the RPT1041 module Three wire cable 3 metres long.



Code  
IRT3099

#### REPLACEMENT EYE 50x10mm²

2M wire to IR Receiver Black



Code  
IRC3099B06BK

## □ Prolink Series

### REMOTE CONTROL BENDER

#### INFRA-RED IN A CABINET

Hide all electronic equipment away from view ! Attractive modern solution for multi-media Professional quality installation solution. IR Receiver is mounted outside the cabinet IR Repeater is inside with the equipment in side the cabinet. Enables you to extend the range and angle of your common remote control. Supplied with 1M, 1.5M & 2M IR probes. 6Vdc min USB power adaptor included.

Type	Code
3 Devices	IRB-630U3
6 Devices	IRB-630U6





## □ IR Repeaters Wireless

### INTER-ROOM CHANNEL CHANGER

#### UPGRADE ANY REMOTE TO WIRELESS

Allows your existing remote to control equipment anywhere inside or outside the house. This Remote Control Extender uses the smartest and easiest technology in extending the remote control operation, by installing the transmitter in the battery pocket only, your remote control now detects the key signals and transmits them far away. Once installed the upgraded remote control with RF transmitter can operate through doors, windows, floors and walls, and this extender kit removes the worry about line of sight requirements. When the RF transmitter is installed, the remote control still transmits the normal infrared signal like a normal remote control. Meaning your remote control will transmit both signals in Infrared(IR) and radio frequency (RF) at the same time, regardless of distance or line of sight.

Description	Code
Sender/Receiver Kit	IR2RF

#### SYSTEM IS EXPANDABLE

System is expandable with the following

Description	Code
Extra transmitter	IR2RFST
Extra emitters x6	IR2RF6E



### WIRELESS REMOTE CONTROL EXTENDER

#### NO WIRES REQUIRED !

Converts Infra-Red signals into Radio and transmits them through walls and ceilings to control units in another room. Excellent solution for the spare tele' in the bed room. Use with a distribution setup and one entertainment system. Don't buy an extra VCR or DVD, don't hire an extra CTV box, control your DVD and Cable-TV from the comfort of your bed or any other room in the house. Kit includes one transmitter and one receiver, with power packs.

Code  
IR300

KIT  
PAIR



### WIRELESS REMOTE CONTROL EXTENDER

#### EXPANDABLE to up to FOUR UNITS

**One Audio Visual Entertainment System; Remote controlled from other rooms!**

Change the Cable TV Channel from the comfort of your bedroom, study, etc. This remote extender system is unique in that it is expandable to up to four additional control zones simply by purchasing extra transmitters. Channel switching RF technology. Price includes power-packs & leads.

#### EXTENDER KIT

TX & RX units pair.  
With power packs.

Code Kit Pair  
IRX550

#### TRANSMITTERS

Additional TX units.  
Expand the system.

Code TX Only  
IRX400

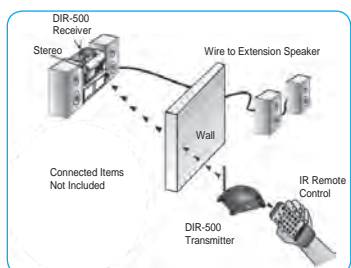


### DIGITAL WIRELESS REMOTE CONTROL EXTENDER

#### NO WIRES REQUIRED !

Digital FSK modulation. Converts Infra-Red signals into Radio and transmits them through walls and ceilings to control units in another room. Excellent solution for the spare tele' in the bed room. Don't buy an extra VCR or DVD, don't hire an extra CTV box, control your DVD and Cable-TV from the comfort of your bed or any other room in the house. 100M of working range. Kit includes one transmitter and one receiver with 6x IR emitters & power packs.

Code  
DIR500



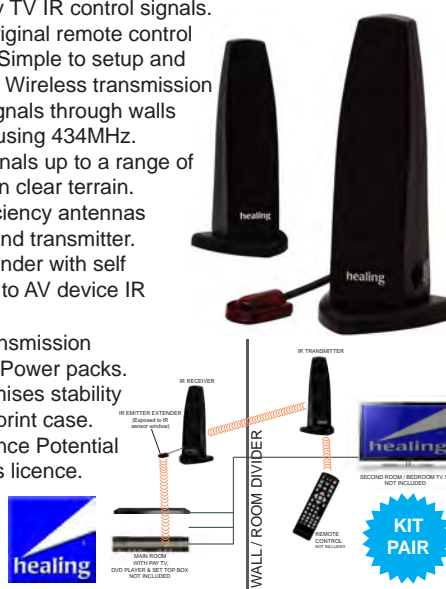
KIT  
PAIR



### HEALING IR EXTENDER WIRELESS

- Compatible with Pay TV IR control signals.
- Allows you to use original remote control from another room. Simple to setup and easy to get working. Wireless transmission passes Infra-Red signals through walls and over distances using 434MHz.
- Delivers clear IR signals up to a range of 100 metres based on clear terrain.
- Concealed high efficiency antennas inside the receiver and transmitter.
- Infrared emitter extender with self adhesive pad sticks to AV device IR sensor window.
- LED indicates IR transmission activity. Includes 9V Power packs.
- Weighted base optimises stability of vertical small footprint case.
- Meets Low Interference Potential Devices (LIPD) class licence.

Code  
HIR434







## IR Repeaters Over TV Coax

### IR DISTRIBUTION OVER COAX KIT

#### FOXTEL IQ2 COMPATIBLE

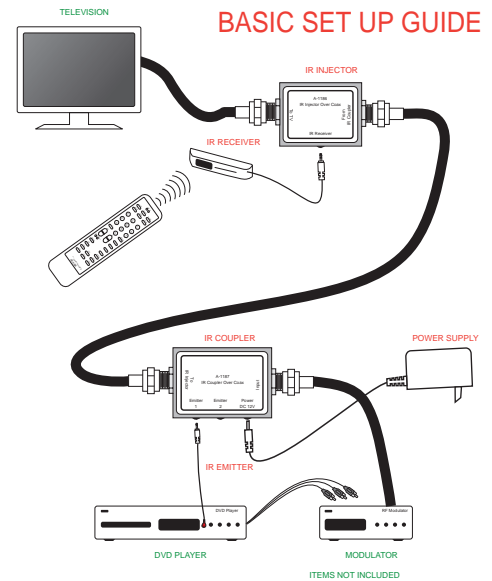
This system is commonly used in audio/ video distribution systems, where the source components are centrally located, or when you wish to control your source devices remotely from an entirely different location. Kit allows IR signals to be inserted onto a coax cable in one location and extracted from coax on another location. No extra wiring required it creates an IR system with existing wiring. Power 4 IR receivers with one power supplied (included). Kit includes IR injector, IR coupler, Dual IR emitter, Mini stick on IR receiver, 12V DC 200mA power supply.

Code PRO1188A

#### SPARE ADD ON RECEIVER

Spare receiver for PRO1188A, it includes PRO1186 IR injector and PRO1178 mini IR receiver.

Code PRO1188AS



## IR Repeaters Over TV Coax Resi-Linx

### RF DISTRIBUTION HUB RESI-LINX

#### COMBINER-DIVIDER

Mix the outdoor antenna with the RLRF Modulator input RF signals together. Then amplify (gain adj.) Splits mix RF signal into Eight outputs distribution. Optional IR Emitter output.

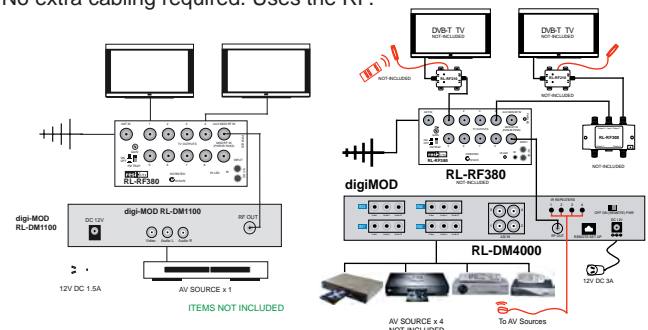
Code RL-RF380



### OPTIONAL IR RETURN

#### REMOTE CONTROL EXTENDER

resi-linx distribution system offers the option of IR return Remote control distribution. With the simple addition of the following accessories, expand your system to include remote control of the AV devices that you are broadcasting. No extra cabling required. Uses the RF.



### IR TARGET TO RF

#### IR RECEIVER

Remote control extending. To be placed in TV's coax at each distributed zone. Receives IR signal & sends it back to the modulator via the existing antenna coax. Includes IR Receiver and RF Injector with power supply.

Code RL-RF210



### DC BLOCKER RESI-LINX

#### IF NO IR TARGET USED

resi-linx system utilises remote power sent along the coax cable for ease of target installation. If an IR Target is not used, the RL-ACC130 can be used to prevent unrequired voltages passing to AV devices on any TV output of RL-RF380 splitter.

Code RL-ACC130



### IR EMITTERS RESI-LINX

#### IR DIODES

Plugs into the modulators to re-emit IR remote control signal to the AV equipment. 3.5mm plug. 1.7M lead. Combine 2 systems to 1 emitter.

Type Code  
Single RL-IR700  
Double RL-IR800





## □ AV RF

## □ AV RF Modulators

### RESI-LINX DIGITAL DVB-T 1CH MODULATOR

#### SINGLE CHANNEL COMPOSITE / S-VIDEO / COMPONENT VIDEO TO DVB-T

The RL-DM1102M is a single input DVB-T Modulator that allows you to distribute any AV source (Pay TV, DVD, PVR etc) around your home/ commercial installation over coaxial cable with ease. With the new build-in IR control, it can be easily set up to connect to other resi-linx's Video Hub and enables IR control of remote AV equipment. This modulator can be easily retrofitted into any existing modulation installation by replacing an Analogue Modulator with the digi-MOD - simply program the DVB-T output channel and go!

- Single Input SD Digital DVB-T IR Modulator that converts video and audio signals to digital COFDM DVB-T Channel
- Programmable LCN Channel and Network Names
- Composite Input
- Full function front LCD display for adjustments
- 2K/8K Carriers
- Adjustable VHF/UHF Output (6-69)
- 98dB launch level
- Includes 12VDC Switch Mode Power Supply
- MPEG 2
- Built-in IR control for connection to resi-linx's Video Hub, IR targets and emitters to allow remote TV locations to have IR control of AV equipment



IR Return path requires additional IR senders sold separately. See RL-RF210, 380, and RL-IR700, 800, 900.

Input	Code
1	RL-DM1102M



### RESI-LINX DIGITAL DVB-T 4CH MODULATOR WITH RETURN IR PATH

#### QUAD MUX CHANNEL IN - 4CH OUT (MUX TO 1CH)

Premium grade Resi-Linx Digi-MOD is a Digital Video Broadcast Terrestrial (DVB-T) single channel RF modulator unit with LCD menu setup. Available with multiple (MUX) analogue composite video and stereo audio inputs for distribution on a pre-existing RF (TV Antenna) installation. Integrates into other Res-Linx systems including IR return for remote IR setup menu OSD control and also source unit remote control. Input CVBS and Stereo Audio. Input ASI via BNC for digital AV. Output CH21 (changeable) with 4 sub carrier channels (MUX) 7MHz bandwidth MPEG2 PAL 720x576@25fps. eg. To view RL-DM4000, sources are found on the TV channel selection as default 101, 102, 103, 104 (all changeable via digi-MOD menu) Expandable with RL-RF380 & RL-RF210 for back to base IR control



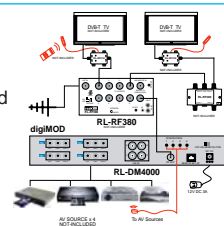
Input	Code
4	RL-DM4000D

#### 1RU RACK VERSION

Input	Code
4	RL-DM4000+



IR Return path requires additional IR senders sold separately. See RL-RF210, 380, and RL-IR700, 800, 900.



### RESI-LINX DIGITAL DVB-T 8CH MODULATOR

#### COMPOSITE VIDEO & STEREO AUDIO

digi-MOD RL-DM8000 is an 8 input DVB-T Modulator in a 1RU. Ideal for Commercial installations with low cost per channel.

- Eight Input DVB-T Modulator that converts video and audio signals to digital COFDM DVB-T Channel
- MPEG-2 Encoding
- Distributes 576i
- CVBS & Analogue Audio Inputs
- Programmable; Channel, Network Names and LCN
- Full function front LCD display for adjustments
- Remote Access and control GUI via Web browser
- Internal FAN Cooling System for Long Life Span
- 2K/8K Carriers
- Adjustable VHF / UHF Output (6-69)
- 20 dB Adjustable Attenuation (98dB launch)
- 1 RU Rack Mountable
- 43dB MER



Input	Code
CUV x8	RL-DM8000





## RESI-LINX DIGITAL HD 1CH DVB-T MODULATOR MPEG4

### MPEG4 ONLY - SINGLE CHANNEL HD DVB-T

The HD-1603 is a HD single input MPEG-4 (H.264) DVB-T Modulator with HDMI Loop Through & IR return path and allows you to distribute any HD source around your home/business installation over coax cable and control it with ease.

- Low cost unit including IR return for local source function IR control
- Full menu via LCD display, all settings can be changed without a PC
- Upgraded Technology with an improved error rate MER (36 → 39)
- Configurable for Australia and New Zealand via the Web GUI

Input	Code
1x HDMI	HD-1603



## RESI-LINX DIGITAL HD 2CH DVB-T MODULATOR

### HDMI DIGITAL INPUT HIGH DEFINITION

Dual Input High Definition DVB-T Modulator. Dual mode distribution with both MPEG-2 / AVC (MPEG-4) distribution available in the one product - ensuring the signal is compatible with all HD TV's. Up to 1080P HD Distribution: 576i / 720P / 1080i / 1080P(AVC only). Auto-sensing Input between HDMI / Component / CVBS. Video Input HDMI / Component / CVBS Composite Audio Input HDMI / Coaxial / Optical / Analogue Stereo Video Resolution 576i / 720P / 1080i / 1080P Video Modulation MPEG-2 / AVC (MPEG-4) Channel Output 6-69 Output Connector F type Output Level 95dBuV Output Level Adjustment 20 dB typ.



- HD Digital DVB-T Modulator
- Single or Dual Input
- MPEG-2 & MPEG-4
- HDMI Digital Inputs
- Composite Video CVBS Inputs
- Component YUV Video Inputs
- Up to 1080P HD (MPEG4)
- Digital or Analogue Audio In
- Toslink Optical / Coaxial Digital
- F Type RF Output CH6-CH69

Input	Code
2x HD	HD2000DM



## RESI-LINX DIGITAL HD 4CH DVB-T MODULATOR MPEG4

Quad Input High Definition DVB-T Modulator Output. Dual mode DVB-T distribution with both MPEG-2 / AVC (MPEG-4) encoding available in the one product - ensuring the product is compatible with all HD TV's. Up to 1080P HD Distribution: 576i / 720P / 1080i / 1080P. Auto-sensing Input between HDMI / Component / CVBS. Remote access control via IP web browser.

- Quad Input High Definition DVB-T Modulator that converts HD video and audio signals to digital COFDM DVB-T Channel
- Dual Mode - MPEG-2 & AVC (MPEG-4) Encoding
- Distributes 576i / 720P / 1080i / 1080P picture quality (1080P only available on AVC)
- Programmable Channel, Network Names and LCN
- HDMI, Component, CVBS Component Video
- Analogue Audio RCA, Digital Coaxial/Optical inputs
- MER - 43dB
- Full function front LCD display for adjustments
- Remote access for programming and monitoring
- 2K/8K Carriers
- Adjustable VHF / UHF Output (6-69)

Input	Code
4x HD	HD-4002DM

### 8 CHANNEL VERSION IS AVAILABLE

Input	Code
8x HD	HD-8002DM







## HDMI TO DVB-T MPEG2 DIGITAL MODULATOR

### CONVERT HDMI SIGNAL TO MPEG2 HD DVB-T SIGNAL

Introducing the new low latency MPEG2 HD DVB-T encoder modulator. It can convert HDMI content to MPEG2 digital HDTV coax RF signal and distribute Full-HD content over antenna coax quickly and easily. Designed for Australian conditions, the modulator guarantees to work with all Australian standard HDTVs. The encode engine is optimised to perform at low latency, this means there is less delay between the input video and output video. Fully customisable, all parameters including the output channel, LCN, service name, ONID, SID and TSID can be modified easily from the front panel menu system. Great usability settings reduces setup and install time as well as training complexity when deploying multiple channels on MATV networks. Ideal for entertainment, signage and surveillance applications, producing professional results.

- Video Encode Format: MPEG-2 MP@ML
- Supported Input: 1080p/720p 60/50/30/25
- Supported Output: 720p
- Audio Encoding Format: MPEG-1/AAC
- LCN: 1-999
- Service name: 15 Chars.
- NIT: Programmable
- Encoder: OGG-X MPEG2 engine
- Operating temp: 0-45 C
- Freq. Range 174-860 MHz
- Output level: 75-105 dBuV
- Output quality: >36 dB MER
- Input: HDMI
- Output: F-Connector



Code  
MOD1HD

## KINGRAY COMPOSITE TO DVB-T MPEG2 DIGITAL MODULATOR

### COMPOSITE VIDEO & STEREO AUDIO TO DVB-T MPEG2

Convert an analogue AV signal either from a satellite decoder, DVD, video surveillance camera or video door phone and modulating it into a digital format (DVB-T) for distribution in a TV cable network. With intuitive, simple menus, provides easy and fast installation while ensuring peak performance.

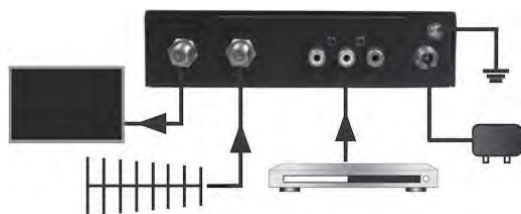
**Kingray**

- Easy to program basic and advanced menus
- Colour configuration advanced function.
- Output frequency fine tuning brightness, contrast, saturation, sharpness.
- Advanced edition of parameters: channel parameters including:
- PSI/SI generation (PSI: PAT, PMT; SI: SDT, NIT)
- name, network name, TSID, ONID, NID, SID, LCN.
- Premium Kingray product with 2 year warranty
- Very low power consumption, 600 mA - 12V DC
- Supplied with 12V DC 1500mA Power Supply



### SINGLE WALL MOUNT

Input Code  
x1 KDM101



### QUAD RACK MOUNT

Input Code  
x4 KDM401







## AV RF Modulators

### RF ANALOGUE MODULATOR FIXED CH1 OR CH2

#### COMPOSITE VIDEO & AUDIO INPUT

Transmits picture and sound to channel 0 or 1 for viewing on TVs without any RCA input connections. Supplied with powerpack, if switched OFF then antenna connection is feed-thru, if switched ON then the signal is transmitted (antenna blocked). Unit includes power pack and 1.5M 3x RCA

Code  
MOD650

GAME CONSOLES  
Available to suit Specific  
Consoles, PS-II, X-Box®, etc.  
See Data & Computer Section...



### RF ANALOGUE MODULATOR TUNEABLE

#### COMPOSITE RCA OR SCART INPUT

Inserts a video signal into your antenna line for easy TV connection. Digital locked tuning Push-button Channel Change CH21 To CH69. Always powered type solution with antenna signal feed-thru (+3db). L/R Audio & Composite video (CVBS-RCA) in. Use RCA or SCART. Requires AV Leads. Includes 1x RF Lead. Suit permanent power installations for security cameras, Video distribution. 100x75x30mm

Code  
RF2900



### VIDEO TO ANALOGUE RF MODULATOR

#### DISTRIBUTE VIDEO OVER VHF/UHF

Converts any Composite AV source eg. cameras, etc. into analogue RF TV channel & mixes into your existing Antenna system or as a separate coaxial feed network. Digital controlled PLL for greater stability. Digital channel display 9Vdc power-Pack inc. Last Channel memory RCA video & audio in 1x "F" RF Antenna in. 1x "F" RF to TV out. Output channels: VHF CH-0 to 12 45MHz to 862MHz UHF CH-21 to 75 478.25 to 856.25MHz

Code  
RF5300F



### RF ANALOGUE MODULATOR ALCAD

#### TRUE STEREO AUDIO

Integrate with an existing TV Antenna signal network or as a separate AV over coax system.  
47MHz to 862MHz  
CH1 to CH69 UHF  
Includes S Channels  
Digitally selected and PLL locked  
Excellent no-drift  
High 84dB Output  
Adjustable gain  
RF Booster 15dB  
"F" cascadeable.

Code  
MD531



### GME-KINGRAY ANALOGUE RF MODULATORS

#### PROFESSIONAL STEREO & VIDEO

Fully shielded Diecast case. Agile 250KHz step adjustable. Multiple unit cascadeable. Harmonic filtering. Low noise. True stereo audio modulation. Premium video picture quality. "F" Socket RF Input/Output. With Gain Control (63-103dB). Power supply not included. Requires power injector 12-18Vdc (PSK18S or PSK18F)

**UHF 470-860MHz CH28-CH69**  
Requires power supply

Code  
MD100US

**VHF 44-470MHz CH0-CH12**  
Requires power supply.

Code  
MD100VS



### RF MODULATOR WITH IR RETURN

The RF modulator with IR return can control the AV source device without having to be in the same room or leaving cabinet doors open. The IR signal from your existing remote is modulated through the RF distribution network back to modulator where it is re-transmitted via the adjustable IR emitter.

- RCA Composite Video / Audio Input and Loop-out
- Channel Adjustment (Up/Down button) with the LED Channel Number display
- PAL Antenna Input/Output
- Control your source AV equipment with the original remote (Foxtel iQ2 Compatible)
- IR Receiver, IR Sender, 2x PAL Cables
- and DC power supplies included

Code  
RFD2169IR



## AV Wireless Sender

### HVS580 AUDIO VIDEO SENDER 5.8GHz

- Allows transmission of audio and video from your Pay TV, CD, DVD/Blu-ray Player, CCTV camera or almost any AV device wirelessly.
- Compatible with Pay TV IR signals.
- Allows operation with your original remote control from another room through walls, over distances.
- Easy to install — ideal plug and play audio/video transmission and control solution.
- Sends AV in one direction and provides a return path for IR commands.
- Delivers clear audio and video up to a range of 100 metres based on clear terrain.
- Uses 5.8GHz to avoid interference from microwave ovens, WiFi networks, Bluetooth®, etc.
- 8 x 5.8GHz channels selectable, to limit interference from other devices.
- Concealed high efficiency antennas — inside the receiver and transmitter.
- Infrared emitter extender with self adhesive pad — sticks to AV device IR sensor window.
- LED indicates IR transmission activity.
- Compact and sleek profile.
- Meets Low Interference Potential Devices (LIPD) class licence.

Code  
HVS580





## Zone Amplifiers PRO2

### ZONE AMPLIFIER WALL PLATE WITH BLUETOOTH - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

Stereo audio amplifier with a stereo Bluetooth® receiver built into a wall plate. Use it to power in-ceiling or in-wall speakers with the audio from any Bluetooth® enabled device. Or connect via optional 3.5mm input from other sources.

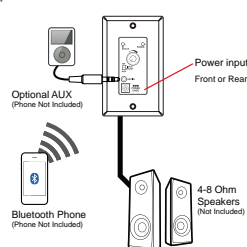
- 15W(rms) per channel Class-D amplifier
- Bluetooth® wireless audio receiver built-in
- Bluetooth® Version: 3.0 EDR compliant
- Switch between Bluetooth® or 3.5mm (line) inputs
- Discrete and low-profile Decora-style wall plate design
- Volume control and status LEDs (Power and BT)
- Suitable for 4Ω to 8Ω speaker pair (Stereo)
- Speaker screw terminals handle wire sizes from 24 to 12 gauge
- Front Power DC and Audio 3.5mm input sockets
- Or hard wire rear power and/or aux for a neat installation

Code

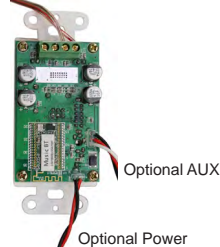
PRO1351WP



Simple Connection



To speakers



### ZONE AMPLIFIER WALL PLATE WITH MICROPHONE INPUT - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

Stereo audio 15W amplifier with a microphone input all built-in to a wall plate. Use it to power in-ceiling or in-wall speakers with the audio output from a line-level sources. Then to make an announcement, flick a switch and speak into a microphone (required). This can be used for shop display installations, office and workshop areas, anywhere basic audio amplification and public address announcements are required.

The wall plate amplifier accepts a 3.5mm line and a 6.35mm dynamic microphone input. It has a volume control and power LED. 12Vdc 2A power supply is included and can be front facia connected or rear soldered if required. 115x68x45mm

- 15W(rms) per channel Class-D stereo output power
- Switch between 3.5mm (line) or 6.35mm microphone inputs
- Discrete and compact Decora-style wall-plate design
- Speaker screw terminals handle wire sizes from 24 to 12 gauge
- Requires speakers and Dynamic Microphone

Code

PRO1328WP



### ZONE AMPLIFIER WITH MICROPHONE INPUT - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

The PRO1328 is a stereo audio power amplifier in a small metal box. Use it to power in-ceiling, in-wall or box speakers with the 15W amplifier output. Connect any 3.5mm line audio source device such as computers, media players, TVs, etc. Then to make an announcement, flick a switch and speak into a microphone (required). This can be used for shop display installations, office and workshop areas, anywhere basic audio amplification and public address announcements are required. All in a simple to connect, compact solution. The unit accepts a 3.5mm line and a 6.35mm dynamic microphone input. It has a volume control and power LED.

- 15W(rms) per channel (@ RL=4 ohm) output power
- Stereo Class-D type highly efficient power amplifier
- 40dB microphone pre-amplifier gain. 6.35mm socket
- Small size and compact: 95mm x 75 mm x 27mm
- Suitable for wall-mounting
- Speaker screw terminals handle wire sizes from 24 to 12 gauge
- 12V 2A power-pack included

Code

PRO1328



### ZONE AMPLIFIER WITH MIC INPUT AND WIRED REMOTE VOLUME - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

The PRO1328K is a stereo power amplifier with 3.5mm auxiliary and dynamic microphone inputs to stereo 15W output for your speakers. The amplifier can be conveniently tucked-away with only the volume controller visible. The wired remote volume and power I/O controller is connected to the amplifier unit with common CAT5e network cable. This cable is not included so please also order your CAT5 patch cable depending on length required. [See Data & Computer Section 04]

- 15 Watts RMS per channel for ample volume
- Class D power amplifier for efficiency and low heat
- Wired remote volume control with power off
- Speaker protection circuit for long service life
- Speaker screw terminals for wire sizes up to 12 gauge
- Amp module: 115x95x33mm, Controller: 65x45x40mm
- 24V 2A Power pack included

Code

PRO1328K



**CAT5 CABLE REQUIRED**

Note: Controller can be connected to the amplifier with an optional CAT5e/6 cable (sold separately)







## AV Extenders PRO2

### HDMI EXTENDER OVER CAT5 WALL PLATE KIT WITH IR SUPPORT - PRO2

#### NOT FOXTEL COMPATIBLE IR

A neat and simple wall plate high definition HDMI extender kit. This kit extends your high definition AV source from your media player. Transfer up to a maximum 60 metres via CAT5E/6 cable through the wall cavities. Supports full 1080P high definition, 3D, DTS-HD, Dolby-True-HD, etc. Integrates an infra-red return for full control from the receiving end back to the transmitter. Includes IR sender and receivers on 1.8M leads. Power packs included, connected to the front or rear of the wall-plate. RJ45 sockets on the rear of both units makes for easy connection. Cable sold separately.

- Each set includes one transmitter and one receiver
- IR sender and IR receiver included. 1.8M cable each.
- Discrete and compact Decora-style wall-plate design
- Connect with single CAT5e or CAT6 cable (Sold separately)
- Transmission distance up to 60 metres with 1080P resolution (3D)
- Auto adjustment of feedback, equalization and signal boost
- Up to 2.25Gbits signal rates in support of 1080P & HD audio

**SOLD  
IN  
PAIRS**

Code  
HDC6WP

**Pro.2**  
Providing AV Solutions



### HDMI EXTENDER THROUGH CAT5e/6

#### WITH IR REPEATER & HDMI IN LOOP THROUGH

The HDC6IRL HDMI extender consists of a HDMI transmitter and receiver. It also includes a IR Tx and Rx cable and a power supply. It can extend a HDMI connection for up to 50M using a CAT5e and CAT6 cable. And it also has a IR repeater function suitable with a wide range of devices. Instant operation without delay or latency. It has a HDMI loop through on the transmitter side to allow for connection with other output devices.

Code  
HDC6IRL

**SOLD  
IN  
PAIRS**

**Pro.2**  
Providing AV Solutions  
FOXTEL IQ2  
COMPATIBLE IR



### HDMI EXTENDER OVER CAT5 - PRO2

#### TRANSMITTER & SENDER KIT WITH EDID SUPPORT

EDID: When the sink can't display the signal, try to connect HDMI transmitter to the display device, plug the power supply into Transmitter, press the "EDID copy button" and the light flashes, the EDID data has been from the display device successfully. To reset: press "EDID copy button" for 3 seconds, The EDID will be reset to the default setting.

- Each set includes one transmitter and one receiver
- Easy installation, no need for any configuration or cable tuning
- For sending 1080p HDMI signal up to 50 Metres using a single CAT5e/6 type UTP cable with zero signal loss
- Automatic feedback, equalisation and amplification
- The CAT5e/6 follows standard of IEEE-568B
- Supports Dolby® True-HD, DTS-HD Master audio
- EDID reading and saving from display
- Bandwidth can be up to 6.75 Gbps
- Deep Colour up to 24-bit & 3D compatible
- 2x DC 5V 1A power supply (included)
- Requires HDMI and CAT5e/6 cables

**SOLD  
IN  
PAIRS**

Code  
HDC6ECO

**Pro.2**  
Providing AV Solutions





## Bluetooth Receivers

### PORTABLE BLUETOOTH SPEAKER & LIGHT

- Compact and lightweight, only 640g.
- Soft LED Illumination and speaker in one
- Built in rechargeable Li-ion battery
- Up to 4 hours of quality audio
- Up to 6 hours of powerful LED light
- LED night light with dimmer function
- 3.5mm stereo audio input
- Bluetooth® stereo A2DP receiver
- Touch buttons for volume and power and
- Back to sender control of Vol/FF/Rew
- Mobile handsfree capability
- IP4X Water resistance level
- Includes a micro USB SAA adaptor + charging cable and a 3.5mm line audio cable
- Size: 190x95x95mm

Code  
SA126BTL



Bluetooth™



Touch Controls

### MINI WIRELESS BLUETOOTH SPEAKER

#### 60mm PORTABLE & RECHARGEABLE

Compact portable Bluetooth® speaker with metallic design  
Expanded Bass Xpansion System in a compact 50x60mmØ 230g  
Supports TF card MP3 playback and AUX input 3.5mm  
Built-in microphone included for phone hands free answering  
Requires Micro-USB Charger (USB Lead included)  
Built-In 520mAh rechargeable battery for up to 5 hours use

Colour	Code
Black	SPK1022BK
Blue	SPK1022BU
Red	SPK1022RD



### BLUETOOTH STEREO RECEIVER

#### RECHARGEABLE OR USB POWERED COMPACT

Wireless receiver that's rechargeable portable.  
Plug in headphones for a Bluetooth® receiver.  
Micro-USB power recharging socket. Compatible with any A2DP Bluetooth® device. iPhone®, Android, etc.  
60x36x15mm

Code  
CBH40



ON/OFF

Bluetooth™

Bluetooth™

### BLUETOOTH STEREO RECEIVER WITH NFC

#### NFC - Near Field Communications

NFC offers an extremely simple setup. Android Beam software uses NFC to complete the steps of enabling, pairing and establishing a Bluetooth® connection. Simply tap your NFC enabled device on this unit and you are paired.  
Simply pair your Bluetooth® enabled device—such as your smart phone, iPad, Android tablet and connect to your AV receiver, multimedia speakers and more with this Bluetooth® receiver. With the inclusion of the highly renowned apt-X codec, this receiver allows you to enjoy wireless Bluetooth® audio quality indistinguishable from wired, with an impressive dynamic range. Featuring a high-quality DAC that helps clean up poor audio that is often found in downloaded music and videos. Also SBC compatible for other Bluetooth® devices using the A2DP standard.

Code  
BTR-1700NFC

Bluetooth™



### ZONE AMPLIFIER WITH BLUETOOTH - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

PRO1351 is a Bluetooth® compatible audio amplifier box. Use it to power in-ceiling, in-wall or box speakers with the audio from any Bluetooth® enabled device, or other 3.5mm auxiliary source such as computers, media players, and TVs. Compact solution for permanent audio installations in entertaining areas and bedrooms, etc. Ideal for installing where volume control is not intended to be adjusted by end-users. Ideal for use with mobile devices with Bluetooth® audio and volume adjustment is done on the mobile device.

- Bluetooth® EDR 3.0 wireless audio receiver built-in up to 10M
- Dual input, switch between Bluetooth® or 3.5mm (line) inputs
- 15W(rms) per channel (@ 4 ohm) Class D power amplifier
- Compact design with preset maximum Volume setting
- Suitable for 4Ω, 6Ω and 8Ω stereo speakers
- Includes Speaker Protection circuit
- Compact 75x48x30mm box
- 12Vdc 2A power adaptor included

Code  
PRO1351

Bluetooth®







## Zone Amplifiers Bluetooth

### BLUE-HUB STEREO AUDIO AMPLIFIER & BLUETOOTH RECEIVER - STUDIO ACOUSTICS

#### STUDIO-ACOUSTICS 50W STEREO

The Blue-Hub from Studio Acoustics is a compact amplifier that makes it easy to play music on your speakers from any Bluetooth® media device. Modern styling is compact and simple to setup and easy operate. The Blue-Hub can take input from a wireless Bluetooth® device, or from a 3.5mm Aux Input connection. It has an AUX output (RCA) for connection to an external amplifier. Or use its built-in 50 Watt amplifier for a stereo speaker output to connect to your 4-8 ohm speakers.

- Front controls are Power, Volume +/-
- Rear switch for Bluetooth® or AUX in.
- Stereo Power Output: 50W total
- DC Power Input: 24V 2A
- Auxiliary Input: 3.5mm Stereo
- Auxiliary Output: 2 x RCA
- Bluetooth® Version: 3.0+EDR
- Boosted antenna Range: Up to 25M
- Frequency Response: 50Hz-20KHz
- Mount Horizontal or Vertical stand
- Includes power supply (24Vdc 2A)
- Dimensions: 120x281x36mm

Code

SABH1



### BLUETOOTH STEREO 20W AMPLIFIER RESI-LINX

20 Watt RMS amplifier module with 3.0+EDR Bluetooth® Receiver that connects directly to an in-ceiling or in-wall speaker. Receiver only, requires speaker/s.

- 20 Watt RMS Stereo (L+R) Amplifier Class-D
- Built in Bluetooth® 3.0+EDR Stereo Receiver
- Up to 20M Range to Bluetooth® Transmitter
- Optional input from external Amplifier - Bluetooth® works like local input and overrides Amplifier
- Attaches / connects to any pair (x2) of speakers
- Easy to install - Can mount direct to speaker magnet
- Includes 15V Power Supply

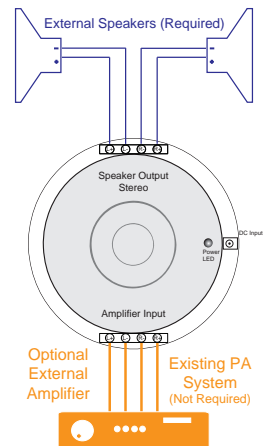
Code

BTA-1000

NOTE: An external amplifier can also be connected for an additional audio input. Connect to the amplifier input terminals as shown in the diagram. This will allow music playback when Bluetooth® is not paired.



Installation Diagram



### 4" AMPLIFIED IN-CEILING STEREO BLUETOOTH

#### WIRELESS BT AUDIO FOR HOME AND COMMERCIAL APPLICATIONS

Stereo pair of in-ceiling flush-mount speakers with a built-in 8W RMS per channel amplifier and Bluetooth A2DP receiver. Allows you to wirelessly stream audio from your portable device (Bluetooth enabled phone or tablet, etc.) around your home or business with ease. Simple installation, just flush mount the speakers and power one unit (with the receiver) and connect the second speaker by speaker wire. The built-in amplifier auto-senses a Bluetooth sync to power on/off. Includes power supply.

- Output: 8W RMS per channel
- Frequency response: 165Hz - 20kHz
- 2-Way HiFi sound stereo speakers
- Dimension: 100mm Ø, 80mm height
- Bluetooth 2.1, EDR Class1 A2DP
- Range approx. 10 metres

Size Prms Code

4" 8W RL-BT510



Stereo Pair





## □ AV Format Converters

## □ AV Format Converters X-Ref

### CYPRESS FORMAT CONVERTERS QUICK GUIDE

#### DISPLAYPORT CONVERTERS

Input	Output	Scaler	Description	Code
CV/SV	mDP	3D BNR DNR HQE	CV/SV to Full HD Mini DisplayPort Scaler	CVM DP-1080P
DisplayPort	HDMI 1.3	Level shifting	DisplayPort to HDMI Converter Adaptor	CDPH-1P
mDP	HDMI 1.3	12 bit dithering	Mini DisplayPort to HDMI converter	CMDPH-2C
1x mini DisplayPort	1x DVI-DL		Mini DisplayPort to DVI-DL Converter	CMDP-DL2DVI

#### DVI CONVERTERS

Input	Output	Scaler	Description	Code
DVI	DVI-I	Yes	DVI to DVI-I scaler box - H/V Position	CP-254
HDMI	DVI & Coax	No	HDMI to DVI /Coaxial converter with Digital Audio Out	CP-267S
DVI/Coax	HDMI	No	DVI/Coaxial to HDMI converter	CP-268S
1x DVI	1x DVI	Yes	DVI to DVI scaler	CP-298D
1x DVI, 1x VGA, 1x SV, 1x CV	1x DVI	Yes	Multi format to DVI scaler	CP-255ID
CV/SV/YUV	DVI/HDTV	SXGA/1080i	Video to DVI & HDTV	CM-348ST
1x VGA	1x DVI-D	Yes	VGA to DVI scaler box	CP-300VD
1x DVI, 1x VGA, 1x Component Video	1x DVI, 1x VGA, 1x Component Video	3D	DVI Digital scaler with ultra high bandwidth	CP-255D
1x DVI, 1x VGA, 1x Component Video	1x DVI, 1x VGA, 1x Component Video	3D	DVI Digital scaler with ultra high bandwidth	CP-255DN
PC/HD	DVI-I	SXGA/1080p	PC/HD to DVI format converter	CP-1261D
YUV/SXGA	DVI SXGA 720p	Yes	VGA to DVI-I scaler box - H/V Trim	CP-252
CV/SV	DVI	3D DCT1 DLT1	Video to DVI scaler box	CM-1391M
CV/SV	DVI-I	UXGA	CVBS/SV to DVI-I converter	CM-398DI
YUV	DVI-I	1600x1200px	Analogue & Digital scaler box	CP-260D

#### HDMI CONVERTERS

Input	Output	Scaler	Description	Code
4x HDMI, 2x CAT5e/6/7, 1x VGA, 1x CV	2x HDMI, 1x CAT5e/6/7, 1x HDMI (Bypass)	Down	Multi-format to HDBT/HDMI scaler	CDPS-84HB
1x HDMI	2x HDMI, 1x CAT5e/6/7		HDBT/HDMI to HDMI scaler	CDPS-US100R
1x HDMI	2x HDMI		HDMI to HDMI scaler 4K UHD	CPR0-2E4KS
1x HDMI	2x HDMI		4K HDMI to HDMI scaler	CPR0-12ES
1x HDMI	1x HDMI		HDMI to HDMI scaler	CP-302M
HDMI	HDMI	Yes	HDMI to HDMI Scaler Box	CP-298H
1x HDMI	1x HDMI	TNR BAR MNR	HDMI Scaler box	CHQV-2H
1x HDMI	1x HDMI	3D	HDMI Digital scaler with ultra high bandwidth	CP-259HN
2x HDMI, 1x SDI, 1x VGA, 1x Component, 1x SV, 1x CV	1x HDMI, 1x VGA, 1x SDI(loop)		Multi-format to HDMI/VGA with SDI-loop	CSLUX-300I
2x HDMI, 1x SV, 1x CV	1x HDMI, 1x VGA		Multi-format to HDMI/VGA	CS-LUX300
3x HDMI, 3x VGA, 1x Component, 1x SV, 1x CV	2x HDMI, 1x VGA		Multi-format to HDMI/VGA	CSC-5500
2x HDMI, 1x DP, 1x VGA	1x HDMI		HDMI/DisplayPort/VGA to HDMI scaler with 3D	CS-801H
CV/SV/YUV	YUV/HDMI 1.3	HQV Realta CPU	HQV HDMI Scaler Box & Switch Deluxe	CSOT-2
1x Component, 1x CV	1x HDMI		HQV CVBS/Component to HDMI scaler	CHQV-3CH
1x DVI-DL, 1x mDP, 1x VGA	1x HDMI		DVI/mDP/VGA to HDMI scaler	CS-802D
HDMI	CV/SV	No	HDMI to CV/SV Converter - with HDMI Bypass	CM-388M
1x HDMI	1x SV, 1x CV, 1x HDMI (Bypass)		HDMI to CV/SV and HDMI bypass	CM-388N
1x VGA	1x HDMI		VGA to HDMI scaler	CP-304
1x VGA	1x HDMI	Yes	PC to HDMI 1080p Scaler Box	CP-293N
1x CV/SV	1x HDMI	Up	CV/SV to HDMI 1080p Scaler Box	CP-295NN
SCART	HDMI 1.3	3D HQE DNR	SCART to HDMI 1.3 Scaler Box	CSLUX-1080P
PC/YUV	HDMI		PC/HD With Audio to HDMI Format Converter	CP-1261HS
CV/SV	HDMI	1080p	CVBS/SV to HDMI Converter with Audio Input	CM-398H
CV/SV	HDMI	3D DCT1 DLT1	Video and L/R to HDMI Scaler Box	CM-1392M
DVI/PC	HDMI	Yes	HD/PC/DVI/HDMI to HDMI Scaler Box	CP-290
YUV/Toslink	HDMI	No	Component to HDMI format With Fibre Optic Audio Input	CP-280H
YUV/Coax/3.5mm	HDMI	No	YPbPr/YCbCr+Audio to HDMI converter	CP-281H
HDMI/YUV	HDMI	3D	HDMI Digital scaler with ultra high bandwidth	CP-255H
YUV	HDMI	Yes	YUV HD to HDMI 1080p Scaler Box	CP-294

#### HDMI EDID/CEC EQUIPMENT

Input	Output	Supported TV Resolutions	Supported PC Resolutions	EDID Management	CEC Management	Code
1x HDMI	1x HDMI	480i-4K@24/25/30Hz	-	Yes	-	CED-1M
1x HDMI	1x HDMI	480i-1080p@50/60Hz	VGA-UXGA	Yes	Yes	CED-S11
1x HDMI	1x HDMI	480i-1080p@50/60Hz	VGA-WUXGA(RB)	-	Yes	CLUX-UCEC





## CYPRESS FORMAT CONVERTERS QUICK GUIDE - Continued...

### SDI CONVERTERS

Input	Output	Description	Code
1x SDI	2x SDI	SDI to 2x SDI Scaler	CSDI-12SR
1x SDI	1x HDMI	SDI to HDMI Scaler with Audio	CLUX-SDI2HS
1x SDI	1x SV, 1xCV	SDI to CV/SV Scaler	CLUX-SDI2CSS
1x SDI	1x VGA, 1x Component	SDI to PC/HD Scaler with Audio	CLUX-SDI2VS
1x HDMI, 1x VGA, 1x Component, 1x CV	1x HDMI, 1x SDI	Multiple format to SDI/HDMI Scaler	CLUX-M2SDI
1x SDI	1x HDMI, 1x SDI	3G SDI Extender	CLUX-SDI2HC
1x HDMI	2x SDI	HDMI to 3G SDI	CLUX-H2SDI
1x HDMI	1x SDI	HDMI to SDI with Audio Scaler	CLUX-H2SDIA
1x SDI	1x HDMI	SDI to HDMI Converter with Audio	CLUX-SDI2HCA
1x SDI	1x DVI	SDI to DVI Converter with Audio	CLUX-SDI2DVIA
1x DVI	1x SDI	DVI to SDI converter with Audio	CLUX-DVI2SDIA

### PAL-NTSC CONVERTERS

Input	Output	Scaler	Description	Code
2x SV, 2x CV	2x SV, 2x CV	Digital Field & Line	Worldwide Super Multi-system Converter with TBC/GENLOCK	CDM-831T
2x SV, 2x CV	1x SV, 1x Component/CV	Digital Field & Line	Worldwide Super Multi-system Converter with TBC/GENLOCK (Rack mounted)	CDM831-TR
1xCV	1xCV	Digital Field & Line	Multi-system Video Converter	ADC-660
1xSV, 1xCV	1xSV, 1xCV	Digital Field & Line	Digital Multi-Scan Converter with TBC	CDM-640A
1xSV, 1xCV	1xSV, 1xCV	Digital Field & Line	Digital Multi-Scan Converter with TBC & Rack mount	CDM-640AR
1xSV, 1xCV	1xSV, 1xCV	Digital Field & Line	Multi-system Video Converter	CDM-660
1xSV, 1xCV	1xSV, 1xCV	Digital Field & Line	Multi-system Video Converter with Frame SYNC/TBC	CDM-680
CV(NTSC)	CV(PAL)	No. (Analogue)	NTSC to PAL	CN-100P
1xVGA, 1xSV, 1xCV	1xVGA, 1xSV, 1xCV	No. (Analogue)	PC/SV/CV Video Overlay Processor	CPT-2370
2xSV, 2xCV	2xSV, 2xCV	No. (Analogue)	Chroma Key Processor	CBK-10

### USB VIDEO CONVERTERS

Input	Output	Description	Code
1xRJ45, 1xUSB	1xHDMI, 1xVGA, 2xUSB	USB to HDMI/VGA/USB display converter	CDL-165HUB
1xHDMI, 1xComponent Video/SV/CV	1xMini-USB	HDMI/COMP/SC/CV to USB Full HD Video capture	CUSB-603
1xUSB Dongle, 1xRJ45	1xHDMI, 2xUSB	WiFi to TV smart player	CWF-901SP
1xMini-USB	1xHDMI	USB to HDMI converter	CDL-125

### ANALOGUE CONVERTERS

Input	Output	Scaler	Description	Code
2x HDMI	YUV/Coax/3.5mm	No	Dual HDMI to HD Component Converter	CP-1283HDT
1x HDMI	1x VGA	No	HDMI to PC/Component Converter	CP-1262HST
HDMI	PC/YUV	No	HDMI to PC/Component Converter with Audio Box	CP-1262HE
HDMI	CV & L/R	480p/576p/720p	VGA to WXGA	CV-400H
HDMI	CV & L/R	480i/p to 1920x1200	High Input Resolution Support HDMI to Video Scan Converter	CV-401H
DVI	SXGA/YUV	Yes	DVI to VGA Scaler Box	CP-253
DVI	YUV	Yes	DVI-I to Component (HD) Scaler Box	CP-292
DVI	PC/HDTV	1080p	DVI to PC/Component Converter Box	CP-1262DE
DVI	PC	no	DVI to PC Format Converter (non HDCP)	CP-262DPC
DVI-D	CVBS	VGA to WUXGA	DVI-D to Video Scan Converter	CV-401D
CV/SV	PC/HD	SXGA	1080i or 1280x1024px max.	CM-347
CV/SV	PC/HD	UXGA	CVBS/SV to D-Sub or YUV	CM-398M
CV/SV	PC	UXGA	1600x1200px Up-Scaler	CM-398
CV/SV	YUV/RGB	SD	CV/SV to YCbCr/RGB Format Converter	CP-VSRGB
CV	SCART	RGB Sync restore	Video to SCART converter	CCR-2SRGB
CV/SV/YUV/SXGA	SXGA/YUV	3D	Video Scaler Pro with RS-232	CSC-200
CV/SV/YUV/WXGA	YUV/WXGA	VT DCT1 DLT1	Video to WXGA Scaler Pro Grade	CSC-1600HD
CV/SV/YUV	UXGA	VT DCT1 DLT1	Video to UXGA Scaler	CSC-210
CV/SV/YUV	UXGA/YUV	VT DCT1 DLT1	Video to UXGA Scaler	CSC-220
CV/SV	WUXGA/YUV	3D DCT1 DLT1	Video to WUXGA-YUV Scaler Box	CM-1390M
PC	CV/SV	XGA 1024x768px	Deluxe PC to Video Converter	CPT-360
YUV/WUXGA	YUV/WUXGA	Yes	WUXGA scaler with ultra high bandwidth	CP-291N
PC	CV/SV	UXGA 1920x1200px	PC to Video Converter	CPT-385AM
PC	CV/SV	XGA 1024x768px	PC to Video Converter	CPT-350
VGA	CVBS	VGA to WUXGA	PC/HD to CVBS Converter	CV-401V
1x CV/RGBs Wire	1x DB9		Video to RGB converter	CAR-1
2x CV/RGBs Wire	1x DB9		Video to RGB converter	CAR-3
PC & CV/SV	CV/SV	1600x1200px	PC to Video Overlay	CPT-1370
PC	YUV	No Scale/Sync	480p/720p colour space Converter	CP-264
PC	YUV	UXGA To 480i/576i	1600x1200 to YUV	CPT-386
1x YCbCr, 1x SV, 1x CV	1x VGA/Component		Video to PC Scaler	CM-347ST
CV x4 BNC	CV x1 BNC	Single/dual/quad	Quad screen splitter & Freeze	QUAD100
YUV	RGBHV	Sync Converter	Component to RGB colour space converter	CP-265

MORE...



## CYPRESS FORMAT CONVERTERS QUICK GUIDE - Continued...

### ANALOGUE CONVERTERS

Input	Output	Scaler	Description	Code
YUV	CV/SV	Down	HD to Video Converter	CPT-387HD
RGB/YUV	PC	WXPA	Component/RGB to 1280x768px	CM397M
SCART RGB	RGB-HV	No	Sync Separator	CSR-2200
2xHDMI, 2xComponent Video, 2xSV, 2xCV	1xHDMI, 2xComponent Video, 2xSV, 2xCV	No	Digital AV Mixer	CMX-12
2xHDMI, 2xComponent Video, 2xSV, 2xCV	1xHDMI, 2xComponent Video, 2xSV, 2xCV	No	High Definition digital A/V Mixer	CMX-112
2xSV, 2xCV	6xSV, 2xCV	No	Analogue AV effects mixer	CMX07

### DisplayPort Converters

#### CV/SV TO FULL HD MINI DISPLAYPORT SCALER

This scaler box is designed to display your Composite video/S-Video images on the Mini DisplayPort with better viewing resolutions. It can upscale any Composite video/S-Video's input source into Mini DisplayPort output with wide-range resolutions. Additionally, this device can also transfer audio for user to enjoy both HD images and sound consistently. Composite video/S-Video to Mini DisplayPort or DisplayPort signal conversion. Scale Composite video/S-Video signal into Mini DisplayPort support format.

- Scales up Composite video or S-Video to HDTV 1080p format.
- Automatic lip-sync (audio delay) ensures audio video synchronization.
- Supports 8 bits on Mini DisplayPort output up to 6M distance.
- HQE (High Quality Image Enhancer) function.
- Digital Noise Reduction
- Minimises picture noise, reproducing images true to the original.
- Block Noise Reduction
- Minimises all MPEG noise, Improving the digital quality of HDTV broadcasts in particular, where block noise happens most.
- MPEG Noise Reduction –
- Reduces mosquito noise for MPEG without losing detail.
- Motion adaptive 3D Y/C separation comb filter.
- 3D (frame based) motion adaptive noise reduction.
- Advanced 3D motion adaptive de-interlace.
- Automatic 2:2/3:2 film mode detection.
- Composite video / S-Video input selection button.
- Automatic or Manual individual resolution selection button.
- Mini DisplayPort output with RGB colour space design.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
CV/SV	mDP	1080p@50/60	VGA@60	480p/576p	VGA@60	50/60	CVMDP-1080P

#### DISPLAYPORT TO HDMI CONVERTER ADAPTOR

More and more devices are deploying the DisplayPort (DP) interface instead of HDMI on to their graphics solution these days. When users wish to display on a large screen like HDTV or with an even more advanced monitor, he would need a device that can connect his DP source to his HDMI output display. Our latest "DP to HDMI mini converter adaptor" provides a quick and handy solution for this need. This adaptor is not only compliant with HDMI 1.3 specifications but it also has a remarkable frequency rate that can reach up to 2.7Gbps per lane. Inter-connecting your DP source with a HDMI display has never become as easy and convenient with our "DP to HDMI mini converter adaptor".

- Converts low-swing alternative current (AC) in to HDMI
- HDMI V1.3 and DVI 1.0 compliant
- HDMI level shifting operating up to 2.7 Gbps per lane
- Supports HDMI & DVI source selection for HDMI cable adaptor or DVI cable adaptor application
- Stylish design
- Plugs and runs without any software application



Input	Output	Scaler	Description	Code
DisplayPort	HDMI 1.3	Level shifting	DisplayPort to HDMI Converter Adaptor	CDPH-1P





## MINI-DISPLAYPORT TO HDMI CONVERTER

### USB POWERED SIGNAL CONVERTER

Having MAC /PC / Notebook to display on an HDTV or monitor may become easy with Mini DisplayPort to HDMI Converter. It allows users to do so by simple connection with built-in USB power cable. This device is HDMI v1.3 (with Deep Colour Video) & HDCP v1.1 compliant and is capable of high speed data transfer with speed up to 2.7Gbps per lane. Without the need to install any software, its fantastic performance and USB power connection is a must for MAC /PC / Notebook users.

- Mini DP to HDMI signal conversion
- PC contents display on HDTV
- Compliant with HDMI v1.3(with Deep Colour Video), HDCP1.1 and DVI1.0
- Supports up to 1080p 50/60 & WUXGA
- Supports pixel component format with RGB: YCbCr422: YCbCr444
- Supports bit depth per colour with 8/10/12 bits
- Bi-direction Colour Space Conversion (CSC) between RGB and YCbCr
- Dithering for conversion from 12 bits component to 10/8 bits
- Support USB 2CH, LPCM 48K 24 bits
- Automatic audio error detection with soft mute function, preventing annoying harsh output sound due to audio error or hot-unplug
- Automatic loss of signal detection for link management



Input	Output	Scaler	Description	Code
mDP	HDMI 1.3	12 bit dithering	Mini DisplayPort to HDMI converter	CMDPH-2C

## MINI DISPLAYPORT TO DUAL-LINK DVI CONVERTER

The Mini DisplayPort converter is specifically designed to allow Mini DisplayPort source to display on the Dual Link DVI display. Supporting resolutions up to 2560x1600 and ideal for display Mac sources on DVI monitor, this device is powered by USB connection which makes it more convenient to power.

- Compliance with DisplayPort Specification V1.1a at 1.62/2.7Gbps data rate (Low bit rate/High bit rate)
- Input/output support up to WQXGA (2560x1600@60RB) VESA display format
- Easy to install and simple to operate
- No software installation
- Compact size with elegant design



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1x mini DisplayPort	1x DVI-DL	Digital RGB	Digital RGB	-	VGA-WQXGA (RB)	CMDP-DL2DVI

## DISPLAYPORT ADAPTORS

An extensive range of Passive Adaptors are available. See the Cables & Connectors Section 02...



### CABLES & CONNECTORS More Leads and Adaptors...

## DISPLAYPORT TO HDMI SOCKET ADAPTOR

Connect a DisplayPort interface to a television or display equipped with a standard HDMI. Up to a maximum resolution of 1080p. Both single-mode and dual-mode DisplayPort supported.

Type	Colour	Code
Active	Black	CA451
Passive	White	MP355
Passive	Black	CA443



## DISPLAYPORT TO VGA ADAPTOR

DisplayPort to VGA Adaptor

Length	Type	Colour	Code
0.15M	Installer	Black	CA437
0.15M	Prolink	White	MP354



## DISPLAYPORT TO DVI ADAPTOR

DisplayPort to DVI adaptor

Code
CA435



## MINI-DP TO DVI-D OR HDMI OR DP

Mini DisplayPort to Multi types; DVI-D or HDMI or DP

Code
CA441



## MINI-DISPLAYPORT TO HDMI - ACTIVE

### BUFFER CIRCUIT

Active conversion  
Mini-DP V1.1a or V1.2

Bandwidth	Code
1200P	CA453
[V1.2] 4K	CA449



## MINI-DISPLAYPORT TO DVI-D ADAPTOR

APPLE® iMAC® & MACBOOK®

Type	Code
Installer DVI-I	CA429
Prolink DVI-D	MP350
Active DVI-I	CA452



## MINI-DISPLAYPORT TO VGA HD15F ADAPTOR

Convert Mini DisplayPort to VGA. Mac® mini, iMac® or MacBook®, etc., can be connected to devices with VGA interface, such as projector or HDTV, the video contents from Mac can be watched.

Code
MP351





## □ SDI Converters

### 1x2 3G-SDI VIDEO SCALER

The CSDI-12SR allows an SD-SDI, HD-SDI and 3G-SDI signal to be scaled and split to two simultaneous SDI outputs, providing bandwidth up to 2.970 Gbps for 3G-SDI video support allowing the user to distribute and extend their SDI signal. The On-screen Display (OSD) menu can be controlled from the front panel, allowing quick and easy adjustment of all settings. SDI interface operates at bitrates of 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps. Audio supports up to 8 channels at 48kHz.

- Splits an SDI input to two SDI outputs with scaler function
- Supports scaling of any SDI input to any SDI output to SDI standards
- Supports SD-SDI, HD-SDI and 3G-SDI input/output signals with autodetection
- SDI interface operates at bitrates of 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps
- Supports SDI input/output modes/standards: SD-SDI, HD-SDI, 3G-SDI
- SD-SDI/SMPTE 259M-C@270 Mbps
- HD-SDI/SMPTE 292M@1.485Gbps and 1.485/1.001Gbps
- 3G-SDI/SMPTE 424M and SMPTE 425M (Level A and Level B)@2.970Gbps and 2.970/1.001Gbps
- Audio supports up to 8 channels at 48kHz
- Supports SDI input/output distances up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x SDI	2x SDI	SMPTE 424M/425M	-	SMPTE 259M-C	-	-	CSDI-12SR

### SDI TO HDMI SCALER WITH AUDIO

The CLUX-SD12HS SDI to HDMI Scaler with Audio allows SD, HD and 3G-SDI signals to be shown on HDMI/SDI displays. Giving you high bit rates of 2.970 Gbit/s without any signal loss, this means that it is now easier for professionals to distribute and extend their SDI signal while giving the ability to display work on HDMI displays. Furthermore, thanks to coaxial (S/PDIF) and L/R audio outputs users can output audio in both digital and analog formats while the loop-through 3G-SDI design benefits users by letting them simultaneous show content on both SDI and HDMI displays.

- Operation at 2.970 Gb/s, 2.970/1.001 Gb/s, 1.485 Gb/s, 1.485/1.001 Gb/s and 270 Mb/s
- Supports SMPTE 425 M (Level A and Level B), SMPTE 424m, SMPTE 292 M, SMPTE 259 M
- Equalised and re-clocked loop output
- Alternative audio output to coaxial and analog 2 CH
- Integrated audio de-embedder for up to 8 channels of 48 kHz audio
- Auto video mode detection (3G/SD/HD)
- Conversion from SMPTE 425 m level B to Level A for 1080p 50/59.94/60 4:2:2 10-bit

Input	Output	Description	Code
1x SDI	1x HDMI	SDI to HDMI Scaler with Audio	CLUX-SDI2HS



### 3G-SDI TO SV/CV SCALER

The CLUX-SDI2CSS allows SD, HD and 3G-SDI signals to be shown on SV/CV display. This means that it is now easier for professionals to distribute and extend their SDI signal while giving the ability to display work on PC/HD display. Furthermore, thanks to coaxial (S/PDIF) and L/R audio outputs users can output audio in both digital and analogue formats while the loop-through 3G-SDI design benefits users by letting them simultaneous show content on SDI, Composite Video and S-Video displays.

- Broadcasts SDI video signal to SV/CV display
- Auto-detects SD-SDI, HD-SDI and 3G-SDI input signals
- Supports simultaneous S-Video/Composite Video and loop-through SDI output signals
- Equalized and re-clocked loop output
- Operation at bitrates of 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps
- Supports SDI standards of SD-SDI/SMPTE, HD-SDI/SMPTE and 3G-SDI/SMPTE
- SD-SDI/SMPTE 259M-C@270Mbps
- HD-SDI/SMPTE 292M@1.485Gbps and 1.485/1.001Gbps
- 3G-SDI/SMPTE 424M and SMPTE 425M (Level A and Level B)@2.970Gbps and 2.970/1.001Gbps
- Scales SDI signal to the following SV/CV signal: NTSC or PAL
- Alternative digital Coaxial (S/PDIF) and analog 2CH audio outputs
- Supports SDI input distance up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x SDI	1x SV, 1x CV	-	-	NTSC/PAL	-	50/60	CLUX-SDI2CSS





## SDI TO PC/HD SCALER WITH AUDIO

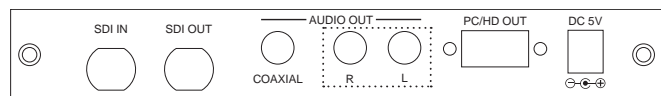
### 3G-SDI TO PC/HD SCALER WITH AUDIO

The SDI to VGA Scaler with Audio allows SD, HD and 3G-SDI signals to be display on HD/PC displays while ensuring high bit rates of 2.970 Gbit/s gives you fast signal transmission without signal loss. For professional this means that it is now easier to distribute and extend your SDI signal while giving you the ability to display your work on the existing PC displays. Further, the design of coaxial and L/R audio output allows user to output audio with both digital and analog format and the loop-through 3G-SDI design also benefit user to enjoy both SDI and PC/HD display synchronously.

- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M
- Equalised and re-clocked loop output
- Alternative audio output to coaxial and analog 2CH
- Auto video mode detection (3G/HD/SD)
- Conversion from SMPTE 425M level B to Level A for 1080p 50/59.94/60 4:2:2 10-bit



Input	Output	Description	Code
1x SDI	1x VGA, 1x Component	SDI to PC/HD Scaler with Audio	CLUX-SDI2VS



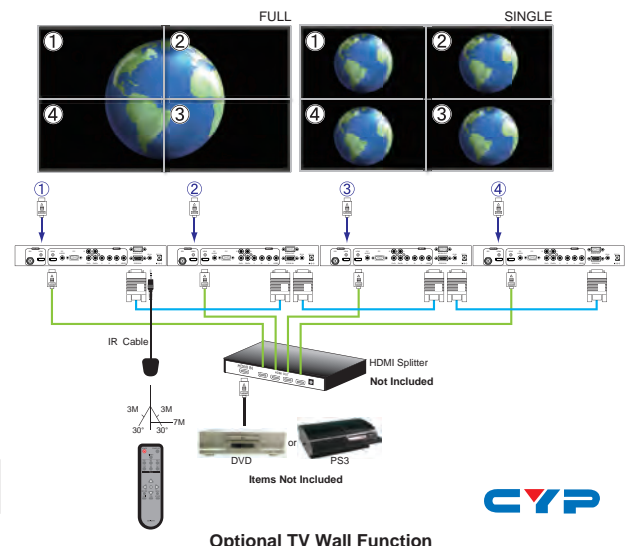
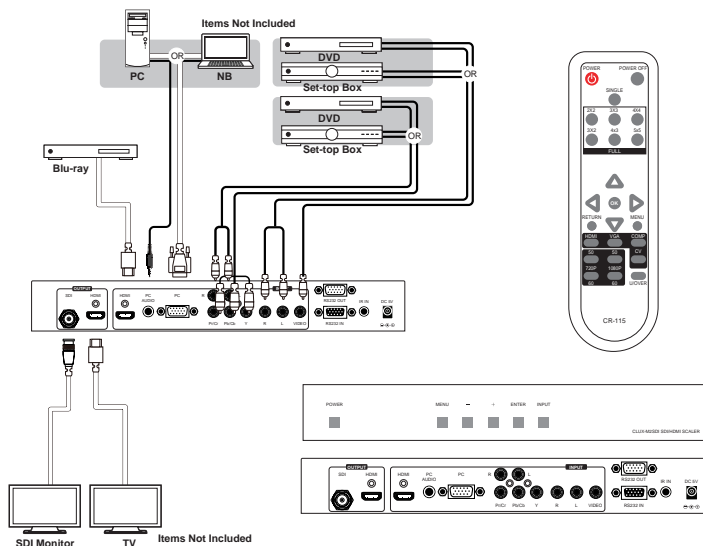
## MULTI-FORMAT TO HDMI/3G-SDI SCALER

The CLUX-M2SDI is designed to switch and upscale HDMI/PC/Component/Composite inputs and simultaneously output to high definition HDMI formats (720p@50/60Hz or 1080p@50/60Hz) and SDI formats (HD-SDI SMPTE 292M or 3G-SDI 424M/425M). It can also, with additional units, function as a controller for video wall configurations displaying a single image on up to 225 screens (15x15 configuration).

- Supports HDMI, VGA, Component Video and Composite Video input signals
- Supports simultaneous SDI and HDMI output signals
- Supports HDMI input resolutions from VGA@60Hz to SXGA@75Hz and 480p@60Hz/576p@50Hz to 1080p@50/60Hz
- Supports VGA input resolutions from VGA@60Hz to SXGA@60Hz and 1920x1080@60Hz
- Supports Component Video input resolutions from 480i/576i to 1080i/p@50/60Hz
- Supports Composite Video input resolutions of NTSC and PAL
- Scales any input signal to the following output signals:
  - 720p@50/60Hz for HDMI output or SMPTE 292M@1.485Gbps and 1.485/1.001Gbps for HD-SDI output
  - 1080p@50/60Hz for HDMI output or 3G-SDI SMPTE 424M and SMPTE 425M (Level A and Level B)@2.970Gbps and 2.970/1.001Gbps for 3G-SDI output
- Supports SDI output distance up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)
- Supports video wall controlling (optional and requires additional units)



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x HDMI, 1x VGA, 1x Component, 1x CV	1x HDMI, 1x SDI	1080p@50/60 SMPTE 424M/425M	-	480i/576i SMPTE 292M	-	50/60	CLUX-M2SDI





## SDI EXTENDER WITH HDMI CONVERTER

### 3G SDI EXTENDER WITH HDMI CONVERTER

The SDI to HDMI converter allows SD-SDI, HD-SDI and 3G-SDI signals to be shown on HDMI/SDI displays while ensuring high bit rates of 2.970 Gbit/s to give you fast signal transmission without any loss. For professionals this means that it is now easier to distribute and extend your 3G SDI signal while giving you the ability to display your work on HDMI displays thanks to the built in HDMI converter. Furthermore, thanks to the loop-through 3G-SDI design, users are able to enjoy both SDI and HDMI displays at the same time.

- Operation at 2.970Gbit/s, 1.485Gbit/s, 1.001Gbit/s and 270Mbits/s
- Supports SMPTE 425M (Level A and Level B),
- SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Equalised and re-clocked loop output
- Integrated audio de-embedder for a maximum of 8 channel, 48kHz
- Auto video mode detection (3G/SD/HD)
- Conversion from SMPTE 425M level B to Level A 1080p 10-bit
- Connect with other units to extend your signal over long distances
- Simultaneous display with SDI and HDMI signals
- Supports signal transmission distances of up to 300M for SDI signals, 200M for HD signals and 100M for 3G signals
- Note: Cable tested with Belden 1694A. Operating distances may vary if used with another type of cable.



Input	Output	Scaler	Description	Code
1x SDI	1x HDMI, 1x SDI		3G SDI Extender	CLUX-SDI2HC

## HDMI TO SDI DUAL-OUTPUT CONVERTER

### HDMI TO 3G SDI DUAL-OUTPUT CONVERTER

The HDMI™ to 3G SDI converter allows HDMI signals to be shown on SDI displays while ensuring high bit rates of 2.970 Gbit/s to give you high resolution signal without any loss. For professionals this means that it is now easier to convert your high def HDMI signal with audio to 3G SDI for long distance transmission and display your work on two 3G SDI display. Also, a 2CH L/R audio input allows DVI signal with 2CH audio to be converted to SDI in order to be shown on SDI displays. Furthermore, the device has a built-in default EDID and a recordable EDID that guarantee image display compatibility with source equipment.

- Supports HDMI: 480i, 576i, 720p50/60, 1080p 24/25/30, 1080i, 1080p 50/60.
- 2.970Gbit/s, 2.970/1.001Gbit/s, 1.485Gbit/s, 1.485/1.001Gbit/s and 270Mbits/s.
- Simultaneous display HDMI source on two SDI displays.
- Integrated audio to 8 channel PCM 48kHz for HDMI or 2CH for DVI audio.
- Auto video mode detection (3G/SD/HD).
- Choose between a selectable EDID and recordable EDID.
- Supports signal transmission distances of up to 300M for SD signals, 200M for HD signals and 100M for 3G signals.



Input	Output	Description	Code
1x HDMI	2x SDI	HDMI to 3G SDI	CLUX-H2SDI

Note: This product does not process HDCP input. When receiving content that has HDCP encryption there will be no video output.

## HDMI TO 3G-SDI CONVERTER WITH AUDIO

"The CLUX-H2SDIA allows HDMI signals to be shown on SDI display while ensuring high bit rates of 2.970 Gbps to give you high resolution signal without any loss. For professionals this means that it is now easier to convert your high def HDMI signal with audio to SDI for long distance transmission and display your work on SDI display. In addition, the external audio input allows the user to insert the sound from a different audio source instead of the HDMI embedded audio, and send to the SDI output.

- HDMI signal conversion to SDI signal
- Supports HDMI input resolutions of:
  - 480i@59.94Hz and 576i
  - 720p@50/59.94/60Hz and 1080i@50/59.94/60Hz
  - 1080p@23.98/24/25/29.97/30/50/59.94/60Hz
- Operation at bitrates of 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps
- Supports SDI standards of:
  - SMPTE 259M-C@270Mbps
  - SMPTE 292M@1.485Gbps and 1.485/1.001Gbps
  - SMPTE 424M and SMPTE 425M (Level A and Level B)@2.970Gbps and 2.970/1.001Gbps
- Converts HDMI signals to the following SDI signals:
  - 480i and 576i to SD-SDI/SMPTE 259M-C
  - 720p and 1080i to HD-SDI/SMPTE 292M
  - 1080p to 3G-SDI/SMPTE 424M and SMPTE 425M (Level A and Level B)
- Supports SDI output distance up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)



- Note: This product does not process HDCP encrypted input signals. There will be no video output when the input signal contains content that is HDCP encrypted.

Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1x HDMI	1x SDI	Digital RGB/YUV	SD/HD/3G-SDI	480-1080p	VGA-WUXGA (RB)	CLUX-H2SDIA





## 3G-SDI TO HDMI CONVERTER WITH AUDIO

The CLUX-SDI2HCA allows SD, HD and 3G-SDI signals to be shown on HDMI display. This means that it is now easier for professionals to distribute and extend their SDI signal while giving the ability to display work on HDMI displays. In addition, the external audio output allows the user to send the audio signal originally embedded in the SDI input to an amplifier or active speakers.

- SDI signal conversion to HDMI signal
- Auto-detects SD-SDI, HD-SDI and 3G-SDI input signals
- Operation at bitrates of 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps
- Supports SDI standards of:
  - SMPTE 259M-C@270Mbps
  - SMPTE 292M@1.485Gbps and 1.485/1.001Gbps
  - SMPTE 424M and SMPTE 425M (Level A and Level B)@2.970Gbps and 2.970/1.001Gbps
- Converts SDI signals to the following DVI signals:
  - SD-SDI/SMPTE 259M-C to 480i and 576i
  - HD-SDI/SMPTE 292M to 720p and 1080i
  - 3G-SDI/SMPTE 424M and SMPTE 425M (Level A and Level B) to 1080p and 1080PsF
- Supports DVI output resolutions of:
  - 480i and 576i
  - 720p@50/59.94/60Hz and 1080i@50/59.94/60Hz
  - 1080p@23.98/24/25/29.97/30/50/59.94/60Hz
  - 1080PsF@23.98/24/25/29.97/30Hz
- Supports SDI input distance up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)

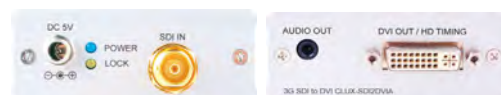


Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1x SDI	1x HDMI	SD/HD/3G-SDI	Digital RGB/YUV	480-1080p	VGA-WUXGA (RB)	CLUX-SDI2HCA

## 3G-SDI TO DVI CONVERTER WITH AUDIO

The CLUX-SDI2DVIA allows SD, HD and 3G-SDI signals to be shown on DVI display. This means that it is now easier for professionals to distribute and extend their SDI signal while giving the ability to display work on DVI display. Additionally, the built-in stereo Audio Out will allow the user to enjoy perfectly synchronized video and audio.

- SDI signal conversion to DVI signal
- Auto-detects SD-SDI, HD-SDI and 3G-SDI input signals
- Operation at bitrates of 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps
- Supports SDI standards of:
  - SMPTE 259M-C@270Mbps
  - SMPTE 292M@1.485Gbps and 1.485/1.001Gbps
  - SMPTE 424M and SMPTE 425M (Level A and Level B)@2.970Gbps and 2.970/1.001Gbps
- Converts SDI signals to the following DVI signals:
  - SD-SDI/SMPTE 259M-C to 480i and 576i
  - HD-SDI/SMPTE 292M to 720p and 1080i
  - 3G-SDI/SMPTE 424M and SMPTE 425M (Level A and Level B) to 1080p and 1080PsF
- Supports DVI output resolutions of:
  - 480i and 576i
  - 720p@50/59.94/60Hz and 1080i@50/59.94/60Hz
  - 1080p@23.98/24/25/29.97/30/50/59.94/60Hz
  - 1080PsF@23.98/24/25/29.97/30Hz
- Supports SDI input distance up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1x SDI	1x DVI	SD/HD/3G-SDI	Digital RGB	480i-1080p	VGA-WUXGA (RB)	CLUX-SDI2DVIA

## DVI TO 3G-SDI VIDEO CONVERTER WITH AUDIO

The DVI to SDI Converter allows DVI-D signals to be shown on an SDI display while ensuring high bit rates of 2.970 Gbit/s to give you high resolution signals without any loss. For professionals this means that it is now easier to convert your high definition DVI signals (with audio) to SDI for long distance transmission to display your media on an SDI display. In addition, the external audio input allows the user to insert the sound from a different audio source instead of the DVI embedded audio, and send to the SDI output.

- DVI signal conversion to SDI signal
- Supports DVI input resolutions of:
  - 480i@59.94Hz and 576i
  - 720p@50/59.94/60Hz and 1080i@50/59.94/60Hz
  - 1080p@23.98/24/25/29.97/30/50/59.94/60Hz
- Operation at bitrates of 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps
- Supports SDI standards of:
  - SMPTE 259M-C@270Mbps
  - SMPTE 292M@1.485Gbps and 1.485/1.001Gbps
  - SMPTE 424M and SMPTE 425M (Level A and Level B)@2.970Gbps and 2.970/1.001Gbps
- Converts DVI signals to SDI signals:
  - 480i and 576i to SD-SDI/SMPTE 259M-C
  - 720p and 1080i to HD-SDI/SMPTE 292M
  - 1080p to 3G-SDI/SMPTE 424M and SMPTE 425M (Level A and Level B)
- Supports SDI output distance up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1x DVI	1x SDI	Digital RGB	SD/HD/3G-SDI	480i-1080p	VGA-WUXGA (RB)	CLUX-DVI2SDIA



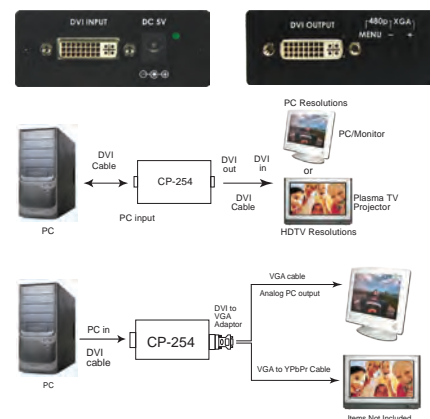
## □ DVI Converters

### DVI-I TO DVI-I SCALER BOX

#### INTEGRATED DIGITAL & ANALOGUE CONVERTER

DVI-I to DVI-I Scaler Box is an innovative DVI-I in to DVI-I output digital scaler.

- High performance PC/HDTV two-way scaler that accepts both digital DVI-D input and analogue RGBHV input for conversion to digital or analogue DVI-I output.
- Also accepts PC/HDTV input signal in the format of either RGBHV or YPbPr/YCbCr data bitstream via 24-pin DVI connector.
- The output is digital+analog PC or HDTV signal in the format of digital RGBHV bitstream plus analog RGBHV, known as DVI-I (Integrated digital and analog).
- The input resolution is automatically detected while the output resolution and refresh rate can be selected through OSD menu and front panel push buttons.
- 48 MB frame memory for frame rate conversion.
- Output picture adjustment on brightness, contrast, colour, RGB level, and H-V position.
- A DVI-I to VGA adaptor is included to transfer the analog RGB output contained in the DVI-I connector into HD-15 VGA connector so that the output can also connects to any display units that has VGA input.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
DVI	DVI-I	1080i@50/60(Pseudo)	SXGA@75	480i/576i	VGA@60	50/60	CP-254

### DVI / COAXIAL & HDMI CONVERTER

#### DVI-D & COAXIAL AUDIO TO/FROM HDMI CONVERTERS

Convert DVI/Coaxial to HDMI output. It allows users to connect the DVI source and digital audio to a HDMI digital display. This converter box also amplifies signal for incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Supports DVI/Coaxial input and HDMI output.
- Input format auto detection: Digital RGB or YPbPr.
- Optical input supports LPCM 2CH, Dolby® Digital 5.1CH and DTS 5.1CH digital audio.
- Operation Frequency: 165MHz
- Frequency Bandwidth: 1.65Gbps (single link).
- Supports audio sampling frequencies: 32, 44.1 and 48kHz.
- Supports high resolution input/output:
- PC: VGA, SVGA, XGA, SXGA, (all at 60/75/85Hz), UXGA at 60Hz.
- SD/HD: 480i/p, 576i/p@60Hz, 720p, 1080i@50/60Hz and 1080p@24/25/30/50/60Hz.
- Easy to install and to operate.



Input	Output	Scaler	Description	Code
DVI/Coax	HDMI	No	DVI/Coaxial to HDMI converter	CP-268S
HDMI	DVI & Coax	No	HDMI to DVI /Coaxial converter with Digital Audio Out	CP-267S

### DVI TO DVI SCALER

This Scaler Box is design to display your DVI images on the HDTV with better viewing image. It can upscale DVI input sources to DVI output for wide-range of HD resolutions; the resolution support XGA/UXGA/720p/1080p/1366x768/1440x900/1400x1050. This unit allows user to with a variety of output resolutions and adjust for the best picture quality. Move over, with built-in hot-key OSD function and display it helps user to view and select the desire resolution instantly. HDCP compliant. Auto -Detection and Hot plug.

- Output supports HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- HDCP compliant
- Input supports HDMI v1.3 8/10/12-bit deep colour mode
- Support HD resolution input: VGA-WSXGA, WUXGA (Reduce Blanking)/1366x768/1440x900/1400x1050/480p@60, 720p@60, 1080p@60
- Fast switch hot key from 720p to 1080p/1280x800/1366x768/1920x1200(RB)
- Auto -Detection and Hot plug
- Interlaced to progressive conversion with various picture display supplement



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x DVI	1x DVI	1080p@60	WUXG@60 (RB)	480p	VGA@60	60 only	CP-298D





## MULTI-INPUT TO DVI SCALER

The Multi-Input to DVI Scaler is capable of scaling and source-switching from Composite Video, S-Video, PC (VGA) and DVI input signals to a DVI output. A corresponding analogue stereo audio input can be switched and sent to the stereo audio output with the video source selection. It has the added benefit of control through front panel buttons, IR remote, or RS-232, and there is an on-screen menu (OSD) providing setting selection and system information. The device provides a full range of output resolutions, up to 1080p for HDTV resolutions, and WUXGA (RB) for PC resolutions.

- Supports the conversion of multiple video and audio formats to DVI signals
- Supports 3D de-interlacing, noise reduction and comb filter
- Supports frame rate conversion
- Supports control via RS-232, IR Remote handset and front panel



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x DVI, 1x VGA, 1x SV, 1x CV	1x DVI	1080p@50/60	WUXGA@60 (RB)	480p/576p	VGA@60	50/60	CP-255ID

## CV/SV/YUV/RGB TO DVI SCALER CONVERTER

### ANALOGUE VIDEO TO DIGITAL DVI SCALER BOX

Convert Composite Video, S-Video, YCbCr, and RGsB, signals to a variety of computer and HDTV resolutions. It accepts video input of all video systems-NTSC, PAL and SECAM. The CM-348 has many great features to upgrade video source to high resolution PC or HDTV quality and is ideal for use in professional large screen presentation.

- Video inputs are 3D de-interlaced and scaled up to PC or HDTV output resolution.
- Automatically accommodates worldwide input video systems.
- NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, and SECAM.
- High performance adaptive digital 4H Comb filter Y/C separator adjustable vertical peaking.
- Motion compensated de-interlacing algorithms to produce artifact-free progressive scan.
- Built in adaptive film mode 3:2/2:2 pull-down provides clear and crisp de-interlacing of video originating from 24 fps film, such as DVD movies.
- Frame rate up conversion from 50 up to 85Hz.
- Vertical temporal filter (VT) removes jaggy and other de-interlacing artifacts from video.
- OSD menu with adjustable control on Colour, Sharpness, Brightness, Contrast and Tint.
- Last memory for all adjustments.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
CV/SV/YUV	DVI/HDTV	1080i@50/60 (Pseudo)	SXGA@60	480p/576p	VGA@60	50/60	CM-348ST

## VGA TO DVI SCALER

The CP-300VD is designed to convert a VGA signal to DVI so that it can be displayed on a DVI monitor without loss of image quality. It can upscale VGA input sources to DVI output for a wide range of PC resolutions, from VGA to WUXGA. The Scaler has a variety of output resolutions and adjustment for the best picture quality. Also, the built-in OSD function makes it easy for the user to view or select the desired resolution. Supports PC resolution bypass from VGA to WUXGA@60 Hz (RB)



- Supports PC resolution bypass from VGA to WUXGA@60 Hz (RB)
- Supports bypass, manual and TV native modes
- Supports auto-detection and hot plugging

Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x VGA	1x DVI-D	-	WUXGA@60 (RB)	-	VGA@60	60, 72, 75, 85 to 60	CP-300VD

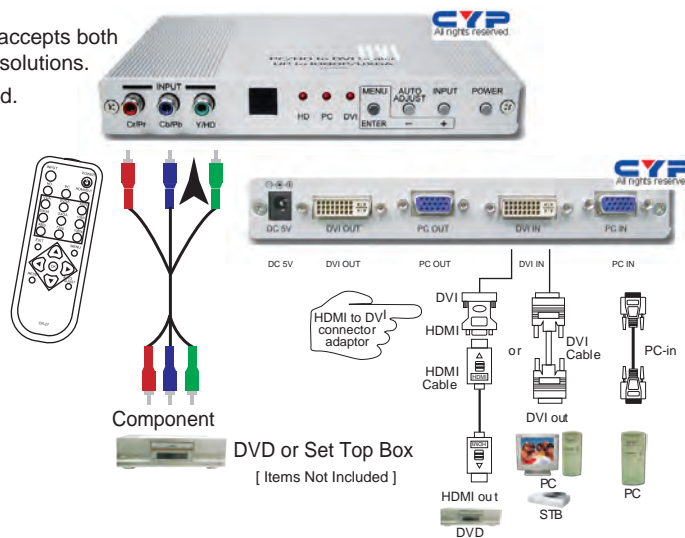


## PC/HDTV TO DVI SCALER CONVERTER DELUXE

### DIGITAL SCALER WITH ULTRA HIGH BANDWIDTH

A professional universal scaler with ultra high bandwidth (205MHz). It accepts both analog and digital input and outputs a variety of scaled DVI or HDMI resolutions.

- Both digital and analog inputs are format converted and pixel re-scaled.
- Supports PC RGB input up to WUXGA @60Hz.
- Supports HDTV RGB/YPbPr/YCbCr up to 1080p @60Hz.
- DVI/HDCP/HDMI compliant input.
- Operates up to 165Mhz (Up to UXGA @60Hz).
- Supports digital PC RGB output up to WUXGA @60Hz.
- Supports digital HD output up to 1080p.
- Integrated 8-bit triple-ADC/PLL.
- Integrated DVI/HDCP/HDMI compliant receiver.
- Dual high quality scaling engines.
- Dual 3-D motion video de-interlacers with adaptive edge oriented algorithm for smooth low-angle edge.
- Automatic 3:2 pull-down & 2:2 pull-down detection and recovery.
- The proprietary advanced colour engine technology for fresh colour.
- Intensified contrast and details. Vivid skin tone. Sharp edges.
- 3D noise reduction.
- Operates through on-screen OSD menu control and remote control.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x DVI, 1x VGA, 1x Component Video	1x DVI, 1x VGA, 1x Component Video	1080p@50/60	WXVGA@60 (RB)	480i/576i	VGA@60	50/60	CP-255D
1x DVI, 1x VGA, 1x Component Video	1x DVI, 1x VGA, 1x Component Video	1080p@50/60	WXVGA@60 (RB)	480i/576i	VGA@60	50/60	CP-255DN

## PC/HD TO DVI FORMAT CONVERTER

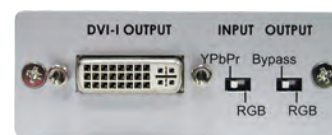
### RGBHV/HDTV ANALOGUE TO DVI DIGITAL FORMAT CONVERTER

This is a PC/HD to DVI format converter box. This box can convert and upgrade your display image from analog into digital and VGA into HD. Whether your sources comes in from PC or traditional RGB signal through the PC/HD to DVI Format Converter, the image will be changed into DVI signal.

- Connect computers with analog PC output or DVDs with HD output to digital DVI-I monitors or projectors.
- Select input between analog RGB and YPbPr manually.
- Select output between bypass or digital RGB manually.
- Supports up to 1600 x 1200 @ 60 Hz for PC input and 1920 x 1080p @ 60 Hz for HD input.
- Built-in EDID.



Input	Output	Scaler	Description	Code
PC/HD	DVI-I	SXGA/1080p	PC/HD to DVI format converter	CP-1261D

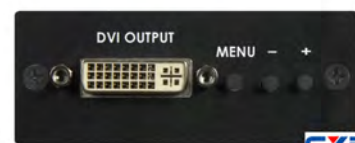


## PC/HD TO DVI FORMAT CONVERTER

### VGA TO DVI-I SCALER BOX

CP-252 is a high performance PC/HDTV two-way scaler that accepts analog RGB input (VGA) and converts to DVI-I (digital+analog RGB) output.

- The input is analog PC or HDTV signal in the format either RGBHV, YPbPr, or YCbCr.
- The output is digital + analog PC or HDTV signal in the format of digital RGBHV bitstream plus analog RGBHV, known as DVI-I (Integrated digital and analog).
- The input resolution is automatically detected while the output resolution and refresh rate can be selected through OSD menu and front panel push buttons.
- 48 MB frame memory for frame rate conversion.
- Output picture adjustment on brightness, contrast, colour, RGB level, and Horizontal-Vertical picture trim position.
- DVI output enables an all digital rendering of video without the losses associated with an analog interface and is ideal for use with digital display such as LCD, plasma and DLP projectors.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
YUV/SXGA	DVI SXGA 720p	1080i@50/60 (Pseudo)	SXGA@75	480i/576i	VGA@60	50/60	CP-252





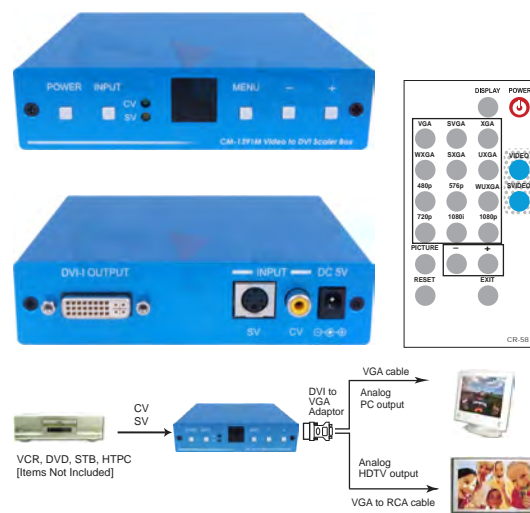
## CV/SV TO DVI SCALER CONVERTER

### VIDEO TO DVI SCALER BOX

This professional video scaler is designed to convert Composite and S-Video to high definition DVI resolutions. It handles video input from TV systems of NTSC or PAL standards with many great features to enhance video performance on DVI display.

- Motion adaptive 3-D de-interlacing.
- Supports 3D Y/C separation, or 2D 5-Line (5H) Adaptive Comb.
- Advanced 3D motion adaptive de-interlace.
- Automatic 2:2/3:2 film mode detection.
- Supports 50Hz to 60Hz frame rate conversion.
- Video quality improvement.
- DCTI (Digital chroma transient improvement).
- DLTI (Digital luminance transient improvement). Black level extension.
- OSD menu for picture quality adjustment.
- Front Panel and IR remote control.
- Automatic NTSC/PAL video format detection.

Input	Output	Scaler	Description	Code
CV/SV	DVI	3D DCT1 DLT1	Video to DVI scaler box	CM-1391M



## CV/SV TO DVI-I SCALER CONVERTER

### DVI INTEGRATED DIGITAL AND ANALOGUE OUTPUT

This is a low cost video to DVI-I converter box that can convert CV/SV (NTSC or PAL system) to DVI-I resolutions of XGA to UXGA or HD resolutions of 480p to 1080p. With frame rate conversion feature that allows users to view DVD, PVR or video game sources on a DVI monitor this device also has an On-Screen Display function that allows users to easily select the output resolution.

- Operates in NTSC 3.58 and PAL system.
- High Quality Scaling Engine.
- PC resolutions: XGA, SXGA, UXGA.
- DVI resolutions: 480p/576p, 720p, 1080p.
- 3D (frame based) motion adaptive YNR/CNR noise reduction (for Y/C video input).
- On-Screen Display.
- Advance 3D motion adaptive de-interlace.
- Automatic 2:2 & 3:2 film mode detection.
- Play video games on your HD monitor/TV.
- High-resolution output picture.
- Plug & play - no drive software required.

Input	Output	Scaler	Description	Code
CV/SV	DVI-I	UXGA	CVBS/SV to DVI-I converter	CM-398DI
CV/SV	HDMI	1080p	CVBS/SV to HDMI Converter with Audio Input	CM-398H
CV/SV	PC/HD	UXGA	CVBS/SV to D-Sub or YUV	CM-398M



## YUV TO DVI CONVERTER

### COMPONENT TO DVI CONVERTER

The CP-260D converts analog YPbPr signal to digital DVI. It enables you to connect the YPbPr output from video equipment to the DVI input of the monitors or projectors. Its high bandwidth capability supports a wide range of PC and HDTV resolution.

- Improves video quality by utilising the new digital video interface.
- Output format is selectable between RGB and YPbPr.
- Support up to 1600x1200@60 for PC input.
- Support 1920x1080p@60 for HD input.
- Supports DDWG standard for DVI compliant monitors.
- Plug and play, easy to install.

Input	Output	Scaler	Description	Code
YUV	DVI-I	1600x1200px	Analogue & Digital scaler box	CP-260D





## □ HDMI Converters

### MULTI-FORMAT TO HDMI/HDBASET SCALER

This HDBaseT™ capable 8 by 4 Digital Presentation Scaler can switch and scale HDMI/HDBaseT/PC/Composite Video signals from any one of its eight inputs and simultaneously display it on any of its HDMI or HDBaseT outputs. The unit has an HDMI bypass output, allowing local monitoring of any of the HDMI or HDBaseT inputs, and features full 5play™ convergence for easy integration of compatible transmitters and receivers. It has the added benefit of control via IR remote control, RS-232, IP/Telnet and Web GUI, with all information including system status presented on its comprehensive LCD display. Features four HDMI inputs with corresponding L/R audio inputs (3.5mm mini-jack), two HDBaseT CAT5e/6/7 inputs, PC (15-pin D-sub) with L/R audio (3.5mm mini-jack) and Composite Video and L/R audio (3 RCA) and two HDMI outputs, one HDBaseT CAT5e/6/7 output, one Digital Coaxial audio output and one L/R audio 3.5mm mini-jack output.

- HDMI, HDCP and DVI compliant
- Features four HDMI inputs with corresponding L/R audio inputs, two HDBaseT CAT5e/6/7 inputs, PC with L/R audio and Composite Video and L/R audio
- Features two HDMI outputs, one HDBaseT CAT5e/6/7 output, one Digital Coaxial audio output and one L/R audio 3.5mm mini-jack output
- Supports scaling of any input signals to a wide range of HDTV and PC output resolutions up to 1080p and WUXGA (RB)
- Supports switchable HDMI bypass allowing local monitoring of any of the HDMI or HDBaseT inputs
- Supports High-definition Audio of LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio transmission
- Simultaneous video output of the selected source through the HDBaseT and HDMI outputs and audio output through the digital coaxial and analog L/R outputs
- Digital to Analog and Analog to Digital Audio conversion (DAC/ADC)
- Supports distances of up to 100 metres over industry standard CAT5e/6/7 cables
- Supports HDBaseT LAN serving function to compatible Receivers
- Supports Power over Cable (PoC) on the CAT5e/6/7 output to a compatible Receiver



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
4x HDMI, 2x CAT5e/6/7, 1x VGA, 1x CV	2x HDMI, 1x CAT5e/6/7, 1x HDMI (Bypass)	1080p @50/60	WUXGA@60 (RB)	480p/576p	VGA@60	50/60	CDPS-84HB

### HDMI/HDBaseT TO DUAL HDMI SCALER

This HDMI UHD Receiver/Scaler is designed to extend and scale an HDMI or HDBaseT™ signal to two HDMI outputs and an analogue audio output simultaneously. It supports the latest HDMI features such as 4K2K, 3D, 36-bit 'Deep Colour', Hi-Definition lossless audio and more. Allowing the transmission of uncompressed video and audio, as well as bi-directional IR control, RS-232 pass through, and LAN serving over a single CAT5e/6/7 cable up to distances of 100m. The unit can be easily controlled through on-panel buttons, On-Screen Display (OSD), IR remote control, RS-232 and IP (Web GUI/Telnet).

- HDMI (with 3D support) and HDCP compliant
- Supports HDTV resolutions up to 4K2K (3840x2160@24/25/30/50/60Hz@YUV420 & 4096x2160@24/50/60Hz@YUV420)
- Supports downscaling of HD resolutions on to monitor/display
- Supports data rates up to 340Mbps/10.2Gbps and 'Deep Colour' up to 1080p/36-bit
- Supports simultaneous HDMI outputs with individual resolution settings
- Supports pass-through of audio formats: LPCM 2/5.1/7.1CH, Dolby® Digital 2~5.1CH, DTS 2~5.1CH, Dolby® Digital Plus, Dolby® TrueHD and DTS-HD Master Audio
- Supports Balanced audio and bi-directional IR control
- Supports Ethernet transmission rates up to 100Mbps
- Supports control via On-Screen Display (OSD), on-panel buttons, IR Remote, RS-232 and IP (Web GUI/Telnet) control



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x HDMI	2x HDMI, 1x CAT5e/6/7	4K @ 24/25/30	WUXGA@60 (RB)	480i/576i	VGA@60	50/60	CDPS-US100R





## HDMI TO HDMI 4K UHD SCALER

The CPRO-2E4KS is designed to upscale a 1080p@24Hz signal up to 4K2K (Ultra HD) or downscale a 4K2K signal down to 1080p@24Hz. The device features a single HDMI input and two simultaneous HDMI outputs, a 'Bypass' output and a 'Scaled' output. The Bypass output will always bypass the original signal, while the Scaled output can be set to upscale to 4K2K, downscale to 1080p@24Hz or to bypass without scaling. The HDMI 4K2K Scaler is an ideal solution for integrating a 4K2K source into a 1080p HD system or vice versa. Supports HD resolutions of 1080p@24/25/30Hz. Supports 4K2K resolutions of 4096x2160p@24Hz and 3840x2160p@24/25/30Hz.

- Supports HDMI signal upscaling from 1080p to 4K2K or downscaling from 4K2K to 1080p
- Supports HD resolutions of 1080p@24/25/30Hz
- Supports 4K2K resolutions of 4096x2160p@24Hz and 3840x2160p@24/25/30Hz
- Supports HDMI signal bypass
- Simultaneous HDMI outputs
- User friendly and simple to use



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x HDMI	2x HDMI	4K@24/25/30	-	1080p@24/25/30	-	-	CPRO-2E4KS

## 1x2 HDMI 4K2K VIDEO SCALER

The 1 by 2 HDMI Scaler is designed to scale both 4K2K and non-4K2K HDMI signal into 1080p and also, bypass 4K2K signal out on to 4K2K display. Allowing all types of HDMI source signal to be display on HDTV/Monitor. With friendly and simple design which allows user with direct viewing on input resolution and output signal up to 2 simultaneous HDMI. The 1 by 2 HDMI Scaler is your best media between HD and Ultra HD signal.

- Supports HDMI 4K2K signal bypass
- Supports HDMI signal bypass
- Simultaneous HDMI outputs
- Friendly and simple to use



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x HDMI	2x HDMI	1080p@50/60	QUXGA@60 (RB)	480p/576p	VGA@60	-	CPRO-12ES

## HDMI TO HDMI SCALER

The HDMI to HDMI Scaler is designed to scale HDMI sources, either in HD or PC resolutions, to an alternative HDMI resolution (HD or PC). The device is HDMI and DVI compliant and is perfect for the integration of sources where a resolution and/or resolution type requires conversion. A simple on-screen display (OSD) allows the user to configure the device with ease. Upscale the video signal from an HDMI source up to 1080p@50/60. Accepts a wide range of input resolutions of 480i to 1080p (HDTV) and VGA to WUXGA (PC).

- HDMI, HDCP 1.1 and DVI 1.0 compliant
- Upscale the video signal from an HDMI source up to 1080p@50/60
- Accepts a wide range of input resolutions of 480i to 1080p (HDTV) and VGA to WUXGA (PC)
- Supports audio sampling rate up to 192 kHz
- Motion adaptive 3-D deinterlacing algorithm
- 3-D noise reduction in both temporal and spatial domain
- Frame rate conversion
- Adaptive contrast enhancement
- Supports CEC bypass
- Native output resolution setting



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x HDMI	1x HDMI	1080p@60	WUXGA@60 (RB)	480p/576p	VGA@60	50/60	CP-302M



## HDMI TO HDMI SCALER BOX

### HDMI TO HDMI SCALER BOX

This Scaler Box is designed to display your HD images on a HDTV. It can upscale HDMI input sources to HDMI output for a wide-range of HD resolutions; the resolution supported include XGA/UXGA/720p/1080p/1366 x 768/1440 x 900/1400 x 1050. This unit provides you with a variety of output resolutions in order to give you the best picture quality. Move over, with a built-in hot-key OSD this Scaler helps users to view and select the desired resolution instantly. PC timing converted into HD timing. HD timing converted into PC timing.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- HDCP compliant.
- Input supports HDMI v1.3 8 bit.
- Supports HD resolution input. VGA~WSXGA, WUXGA@60 1366x768 / 1440x900 / 1400x1050.
- 480p@60, 720p@60, 1080p@60.
- Fast switch hot key from 720p to 1080p / 1280x800 / 1366x768 / 1920x1200px.
- Auto – Detection and Hot plug.
- Interlaced - progressive conversion with various picture display.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
HDMI	HDMI	1080p@60	WUVGA@60(RB)	720p@60	VGA@60	60 only	CP-298H

## HDMI TO HDMI SCALER BOX

### FULL HDTV 1080p UPSCALER WITH TNR, BAR & MNR ADVANCED SIGNAL PROCESSING

This Scaler Box is designed for the Blu-ray DVD players, Digital TV, Cable and Satellite Set-Top Box (STB), Internet Digital Media Adaptors, Audio-Video Receivers and Digital Recorders markets. This Scaler Box is unlike anything you have ever purchased. Giving you the freedom to enjoy the full benefits of high resolution video by recreating a cinema like experience in the comfort of your home, this device is a worthy addition to any home entertainment system. In addition, the HD inputs have been improved, allowing this Scaler Box to deliver crisp, stunning and noise free full HD video. Up scales low resolution video quality to HD resolution. To improve incoming low resolution to noise free full HD video.

- Full HQV de-interlacing.
- Adaptive motion processing for difficult and poor quality video scenes.
- Temporal Noise Reduction (TNR) - Reduces noise caused by on film grain, random noise, sensor noise and light fluctuations.
- Block Artifact Reduction (BAR) - Reduces Compression block artifact.
- Mosquito Noise Reduction (MNR) - Reduces mosquito noise.
- 12-bit colour space conversion on input and output.
- Supports Deep Colour at 36-bit colour depth and xvYCC colour gamut.
- HDMI output resolution 480p@50/60Hz, 720p@50/60Hz, 1080p@50/60Hz.
- Powered by its USB connection, or by an AC connection using an adaptor.



Input	Output	Scaler	Description	Code
1x HDMI	1x HDMI	TNR BAR MNR	HDMI Scaler box	CHQV-2H

## HDMI TO HDMI SCALER BOX

### FULL HDTV 1080p UPSCALER WITH 3D MOTION ADAPTIVE TECHNOLOGIES

Cypress CP-259H/HN is a compact yet versatile HDMI to HDMI Scaler Box. It accepts HDMI input with a separate Toslink or analog audio and scale it to HDMI output (at a number of selectable resolutions) with additional Toslink and analog audio output. CP-259H/HN has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality. It is ideal for using between incompatible HDMI source and display by changing picture resolution and frame rate of HDMI source to match the native resolution of the HDMI display.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Scales any PC (VGA ~ WUXGA) /HD (480i ~ 1080p) resolutions to/ from another PC/HD resolutions.
- Automatically detect the factory setting of the connected display and output the corresponding resolution and refresh rate, when the NATIVE output is selected.
- Supports 50/60Hz frame rate conversion.
- Supports 3-D motion video adaptive, 3-D de-interlacing, and 3:2 / 2:2 pull-down detection and recovery.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB level, and scan size.
- Supports high resolution input/output.
- PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
- HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p.
- Supports digital and analog audio input and output.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x HDMI	1x HDMI	1080p@50/60	WUXGA@60 (RB)	480p/576p	VGA@60	50/60	CP-259HN





## MULTI-FORMAT TO HDMI/VGA SCALER WITH 3G-SDI LOOP OUTPUT

The CSLUX-3001 is an advanced HDMI, PC, SDI, Composite Video, S-Video and Component Video switcher/scaler. This device can scale and switch input sources and display them to its HDMI and VGA/HD outputs simultaneously, with their associated audio signals, at a wide range of output resolutions up to 1080p or WUXGA (RB). It also has the added benefit of an SDI Loop Out for monitoring or extending the SDI input signal. Control is via the IR remote, RS-232, or via front panel buttons and includes an on-screen menu providing settings and system information.

- Supports HDMI, Composite Video, S-Video, PC (VGA)/HD (Component Video) and SDI inputs
- Supports HDMI and VGA/Component Video (with adaptor) outputs
- Supports SDI loop through output
- Supports analogue stereo, optical and coaxial digital inputs and optical digital output, analogue stereo output or embedding to HDMI output
- Supports conversion of multiple video formats and audio input to HDMI or PC/HD and analogue stereo outputs
- Supports EDID and HDCP
- Supports 3D de-interlacing, noise reduction and comb filter
- Supports frame rate conversion
- Supports RS-232, remote handset, and front panel control
- Supports SDI Standards of SMPTE 259M-C, SMPTE 292M, SMPTE 424M and SMPTE 425M (Level A and Level B)
- Supports SDI bit rates at 270Mbps, 1.485Gbps, 1.485/1.001Gbps, 2.970Gbps and 2.970/1.001Gbps
- Supports SDI input distance up to 300m (SD-SDI), 200m (HD-SDI) or 100m (3G-SDI)



Input	Output	Downscaled TV Res.	Downscaled PC Res.	Upscaled TV Res.	Upscaled PC Res.	Frame Rate Conversion	Code
2x HDMI, 1x SDI, 1x VGA, 1x Component, 1x SV, 1x CV	1x HDMI, 1x VGA, 1x SDI(loop)	1080p@50/60 SMPTE 424M/425M	WUXGA@60 (RB)	480p/576p SMPTE 259M-C	VGA@60	50/60	CSLUX-3001

## MULTI-FORMAT TO HDMI/VGA SCALER

The CSLUX-300 is an advanced HDMI, PC, Composite Video, S-Video and Component Video switcher/scaler. This device can scale and switch input sources and display them to its HDMI and VGA/HD outputs simultaneously, with their associated audio signals, at a wide range of output resolutions up to 1080p or WUXGA (RB). Control is via the IR remote, RS-232, or via front panel buttons and includes an on-screen menu providing settings and system information.

- Supports HDMI, Composite Video, S-Video, PC (VGA)/HD (Component Video) and SDI inputs
- Supports HDMI and VGA/Component Video (with adaptor) outputs
- Supports analog stereo, optical and coaxial digital inputs and optical digital output, analog stereo output or embedding to HDMI output
- Supports conversion of multiple video formats and audio input to HDMI or PC/HD and analog stereo outputs
- Supports EDID and HDCP
- Supports 3D de-interlacing, noise reduction and comb filter
- Supports frame rate conversion
- Supports RS-232, remote handset, and front panel control



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
2x HDMI, 1x VGA, 1x Composite, 1x SV, 1x CV	1x HDMI, 1x VGA	1080p@50/60	WUVGA@60 (RB)	480p/576p	VGA@60	50/60	CS-LUX300

## MULTI-FORMAT TO HDMI/VGA/COMPONENTS SCALER

The CSC-5500 supports switching and scaling of multiple AV inputs to HDMI or PC/HD outputs. These inputs includes Composite Video, Component Video, PC (VGA), and HDMI inputs and can switch. And it can scale the signal to HDMI or VGA with audio outputs. It supports HDMI output resolutions up to 1080p/WUXGA and Analogue Digital Conversion (ADC) and Digital Analogue Conversion (DAC) allowing a wide range of AV signals to be displayed on a HDMI or VGA display. Further, the On-screen Display (OSD), IR remote, RS-232, IP and on-panel controls make this product very versatile.

- Supports switching and scaling of multiple AV inputs to HDMI or PC/HD outputs
- Supports EDID and HDCP
- Supports 3D de-interlace, noise reduction and 3D comb filter
- Supports frame rate conversion
- Supports RS-232, IP(Telnet/Web GUI) and IR controls
- Supports output timing hot keys switching
- HDMI compatible with DVI
- Supports Digital to Analog (DAC) and Analog to Digital (ADC) Audio conversion
- Supports Non-HDCP signal of Apple® computers



Input	Output	Downscaled TV Res.	Downscaled PC Res.	Upscaled TV Res.	Upscaled PC Res.	Frame Rate Conversion	Code
3x HDMI, 3x VGA, 1x Component, 1x SV, 1x CV	2x HDMI, 1x VGA	1080p@50/60	WUXGA@60 (RB)	480p/576p	VGA@60	50/60	CSC-5500



## HDMI/DISPLAYPORT/VGA TO HDMI SCALER WITH 3D

The CS-801H allows 3D movies to be watched on a 2D displays and can also scale and switch HDMI, DisplayPort and PC inputs to a HDMI output, along with their associated audio signals. The operation of all features can be easily handled through on-panel controls, IR remote control, or by RS-232 protocol. Supports HDMI 3D processing on Frame Packing and Top-and-Bottom at resolutions of 720p@50/60Hz and 1080p@24Hz, Side-by-Side Half signals at 720p@50/60Hz, 1080i@50/60Hz (input only) and 1080p@24/50/60Hz. Supports HDMI/Component Video input resolutions up to 1080p@50/60Hz, DisplayPort up to 2560x1600@60Hz (RB) and PC up to 1920x1200@60/75Hz.

- Scales HDMI, DisplayPort and PC/Component Video input resolutions to HDMI output resolutions
- Converts 3D signal to 2D signal for 2D display and bypasses 3D source to 3D display without scaling
- Supports HDMI 3D processing on Frame Packing and Top-and-Bottom at resolutions of 720p@50/60Hz and 1080p@24Hz, Side-by-Side Half signals at 720p@50/60Hz, 1080i@50/60Hz (input only) and 1080p@24/50/60Hz
- Supports HDMI/Component Video input resolutions up to 1080p@50/60Hz, DisplayPort up to 2560x1600@60Hz (RB) and PC up to 1920x1200@60/75Hz
- Supports digital and analog audio bi-directional conversion, embedding and de-embedding for audio signals from individual inputs or from the HDMI source
- Supports Component Video input with supplied D-sub 15-pin to 3 RCA phono adaptor



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
2x HDMI, 1x DP, 1x VGA	1x HDMI	1080p@60	WUXGA@60 (RB)	480p	VGA@60	60 only	CS-801H

## INSTANT HQV HDMI 1.3 SCALER BOX

### DELUXE CV/VS, HDTV & HDMI CONVERTER & SCALER BOX WITH AUDIO

The Instant HQV HD Scaler box allows you to maximise the full benefits of the today's HDTV's. Using the Industry leading HQV Realta Video Processor to convert standard definition content (PAL/NTSC) into a crisp and detailed HD version, this Scaler box is unlike anything you have ever purchased. Giving you the freedom to enjoy the full benefits of high resolution video by recreating a cinema like experience in the comfort of your home, this device is a worthy addition to any home entertainment system. In addition, the HD inputs have been improved, allowing this HQV scaler to deliver crisp, stunning and noise free full HD video.

- 3D video decoder for optimal NTSC/PAL/SECAM video quality.
- HDMI 1.3 Tx / Rx with Deep Colour and xvYCC colour gamut.
- True 10-bit HQV video processing.
- Motion adaptive four field de-interlacing for SD and HD input.
- AnyNoise™-Automatically detects different types of noise and applies the appropriate reduction algorithm.
- AnyCadence™-Automatically detects all different cadences including 3:2:3:2:2 and animation.
- MDDF (Multi Directional Diagonal Filtering) eliminates jaggies for both SD and HD input resolutions.
- Lip-sync audio delay.
- HQV Detail Enhancement - Processes the SD input image quality to approach HD output image quality.



This product does not process HDCP input. When receiving content that has HDCP encryption there will be no video output.

Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
CV/VS/YUV	YUV/HDMI 1.3	1080p@50/60	-	480p/576p	-	As is	CSOT-2

## HQV CVBS/COMPONENT VIDEO TO HDMI SCALER

The CVBS/COMP to HDMI Scaler Box is specially designed for low resolution analogue YCbCr contents video to be upscale and display on HD TV/monitor. This device is suitable for iPod® & MPEG 4 like consumer video devices to enjoying display video or images on the big screen with HD resolution. This device has built in the resolution adjustment allowing user to select the best output image according to the favourite. Last but not least, the touch button panel and the remote control bring you the stylish and free enjoyment on the entertainment. Supports NTSC/PAL input video and resolution 480i/p and 576i/p.

- Full HQV quality de-interlacing
- Improved adaptive motion processing for difficult and poor quality video scenes
- Temporal Noise Reduction (TNR)-Reduces noise caused by on film grain, random noise, sensor noise and light fluctuations
- Block Artifact Reduction (BAR)-Reduces Compression block artifact
- Mosquito Noise Reduction (MNR)-Reduces mosquito noise
- Supports NTSC/PAL input video and resolution 480i/p and 576i/p
- Video output resolution up to 1080p@50/60 Hz
- Power over USB
- Palm size with stylish design
- Demo before scale and after scale's picture difference
- Enhance picture's detail quality



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x Component, 1x CV	1x HDMI	1080p@50/60	-	-	-	-	CHQV-3CH





## DVI-DL/mDP/VGA TO HDMI SCALER

The CS-802D can switch and convert Dual-Link DVI, Mini-DisplayPort and PC/Component inputs to a HDMI output, along with their associated audio signals. With the ability to scale a wide range of resolutions, the operation of all features can be easily handled through on-panel controls, IR remote control, or by RS-232 protocol. Supports Component Video input resolutions up to 1080p@50/60Hz, Dual-link DVI and Mini-DisplayPort up to 2560x1600@60Hz (RB) and PC up to 1920x1200@60/75Hz. Supports digital and analogue audio bi-directional conversion, extraction and insertion for the audio signals from individual inputs.

- Scales Dual-link DVI, Mini DisplayPort and PC/Component Video input resolutions to HDMI output resolutions
- Converts VGA, Component Video, Mini DisplayPort and Dual-link DVI signals to HDMI signal
- Supports Component Video input resolutions up to 1080p@50/60Hz, Dual-link DVI and Mini-DisplayPort up to 2560x1600@60Hz (RB) and PC up to 1920x1200@60/75Hz
- Supports digital and analog audio bi-directional conversion, extraction and insertion for the audio signals from individual inputs
- Supports Component Video input with supplied D-sub 15-pin to 3 RCA phono adaptor



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x DVI-DL, 1x mDP, 1x VGA	1x HDMI	1080p@60	WYXGA@60 (RB)	480p	VGA@60	60 only	CS-802D

## CV/SV TO HDMI SCALER BOX

### VIDEO & AUDIO TO HDMI SCALER BOX WITH REMOTE

CM392 is designed to convert Composite and S-Video to a variety of computer and HDTV resolutions. It handles video input from TV systems of NTSC, PAL TV standards. Cypress CM-392 has many great features to enhance video performance and is ideal for use in professional large screen presentation.

- Motion adaptive 3D Y/C separation comb filter.
- 3D (Frame Based) motion adaptive YNR/CNR noise reduction.
- Advanced 3D motion adaptive de-interlace.
- Supports 50Hz to 60Hz frame rate conversion.
- Video quality improvement:
  - DCTI (Digital chroma transient improve),
  - DLTI (Digital luminance transient improve),
  - Black level extension.
- Average picture level.
- Automatic contrast limiter.
- OSD menu for picture quality adjustment.
- Built in 8-bit DAC for RGB or YPbPr output.
- Front panel and IR remote control.
- Automatic NTSC/PAL video format detection and switching.



Input	Output	Scaler	Description	Code
CV/SV	HDMI	3D DCT1 DLT1	Video and L/R to HDMI Scaler Box	CM-1392M

## HDMI TO CV/SV CONVERTER - WITH HDMI BYPASS

### HDMI THROUGH & CV/SV DOWN SCALER WITH AUDIO OUTPUT

The HDMI to CV/SV Converter is designed to convert digital signal from HDMI (or DVI + Coaxial) source to analog signal of NTSC or PAL system, with L/R stereo audio. Besides S-Video and Composite Video outputs, it also provides one bypass HDMI output to deliver the original signal, and a Coaxial output to send S/PDIF digital audio to audio amplifier. The product provides a convenient application that allows the users to watch high definition movie while recording it (in standard resolutions 480i or 576i) to DVR or VCR machine.

- HDMI 1.2, HDCP1.1 and DVI1.0 compliant
- Converts video signal from HDMI source to NTSC or PAL signal selectable
- Converts digital audio from HDMI or Coaxial source to analog stereo audio
- Accepts HDTV input of wide resolutions, from 480p to 1080p@60Hz (except 1080p@24Hz) and PC from VGA@60Hz to UXGA@60Hz.
- When the signal from HDMI or DVI source is protected by HDCP (High bandwidth Digital Content Protection), the HDMI or DVI display needs to support HDCP to be able to show picture, and there will be no analog video output.
- Not compatible with HDCP source.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
HDMI	CV/SV	-	-	NTSC/PAL	-	50/60	CM-388M



## HDMI TO SV/CV SCALER WITH HDMI BYPASS OUTPUT

The CM-388M is designed to convert the digital signal from HDMI (or DVI + Coaxial) source to an analogue NTSC or PAL signal, with L/R stereo audio. As well as S-Video and Composite Video outputs, it also provides an HDMI bypass output to deliver the original signal, and a Coaxial output to send S/PDIF digital audio to an amplifier. The unit provides a convenient method of converting non-HDCP high definition content to standard 480i or 576i resolutions for DVR or VCR recorders.

- HDMI, HDCP and DVI compliant
- Converts video signal from HDMI source to NTSC or PAL signal (selectable)
- Converts digital audio from HDMI source to analogue stereo audio
- Accepts a wide range of HDTV input resolutions, from 480i to 1080p@60Hz and PC from VGA@60Hz to WUXGA@60Hz (RB)
- Supports Coaxial input audio sample rate 44.1 kHz, 48 kHz and 96 kHz
- Output image overscan or underscan switch ensure best fit on screen
- Apple® Mode switch guarantees the use of Apple® devices



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x HDMI	1x SV, 1x CV, 1x HDMI (Bypass)	-	-	NTSC/PAL	-	50/60	CM-388N

## VGA TO HDMI VIDEO SCALER

The VGA to HDMI Video Scaler is designed to scale an analogue video signal from a PC source to a digital HDMI output in a wide-range of HD and PC resolutions (up to 1080p/WUXGA). In addition to video scaling, the unit can convert an analogue stereo audio input to digital and embed it in the HDMI output as 2-channel LPCM. This unit allows the user to select a wide range of output resolutions and features an auto adjustment feature for optimal picture quality.

- HDMI and DVI 1.0 compliant
- Scales PC resolutions to SD/HD or PC resolutions
- Automatically detects the setting of the connected display and outputs the corresponding resolutions and refresh rate when the NATIVE output is selected
- Supports high resolution output:
- PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA(RB)
- SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i, 1080p
- Supports embedding of the stereo analog input and PC video to single HDMI output



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x VGA	1x HDMI	1080p @50/60	WUXGA@60 (RB)	480p/576p	BGA@60	50/60	CP-304

## PC TO HDMI 1080P SCALER BOX

### PC TO HDMI 1080P SCALER BOX

This Scaler Box is designed to upscale analog video signal from PC input source to digital HDMI output of wide-range HDTV and PC resolutions. Besides video upscaling the scaler box also converts input audio signal from TOSLink or L/R to both digital and analog formats, then output to HDMI combining with the video, TOSLink (optical fibre), and phone jack (L/R audio) simultaneously. This unit has a comprehensive OSD menu that allows users to select a variety of output resolutions and adjust for the best picture quality.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Scales any PC resolutions to PC (VGA ~ WUXGA)/ HD (480i ~ 1080p)
- Automatically detect the factory setting of the connected display and output the corresponding resolution and refresh rate, (NATIVE selected).
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- Supports high resolution output.
- PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
- SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- Supports stereo LPCM analog/digital audio input and stereo LPCM analog/digital output. Simply select among the audio input sources in the OSD menu, then output the audio to HDMI, TOSLink and phone jack.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x VGA	1x HDMI	1080p @50/60	WUXGA@60 (RB)	480p/576p	VGA@60	50/60	CP-293N





## CV/SV TO HDMI FULL HD SCALER & AUDIO

### TV TO HDMI 1.3V 1080P UP-SCALER WITH AUDIO INJECTOR & TOSLINK OUTPUT

This Scaler Box is designed to upscale analog video signal from CV/SV input source to digital HDMI output of wide-range HDTV and PC resolutions. Besides video upscaling, the scaler box also converts digital/analog audio signal to digital/analog format, then output to HDMI combining with the video, TOSLink (Optical fibre), and phone jack (L/R audio) simultaneously. This unit has a comprehensive OSD menu that allows users to select a variety of output resolutions and adjust for the best picture quality.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Scales any video resolutions to PC (VGA ~ WUXGA) / HD (480i ~ 1080p) resolutions.
- Automatically detect the factory setting of the connected display and output the corresponding resolution and refresh rate, when the NATIVE output is selected.
- Supports 50/60 Hz frame rate conversion.
- 3-D motion video adaptive, 3-D de-interlacing and 3:2/2:2 pull down detection and recovery.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- PC output: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
- SD/HD output: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- Supports stereo LPCM analog/digital audio input and stereo LPCM analog/digital output. Simply select among the audio input sources in the OSD menu, then output the audio to HDMI, TOSLink and phone jack simultaneously.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x CV/SV	1x HDMI	1080p@50/60	WUXGA@60(RB)	-	-	50/60	CP-295NN

## SCART TO HDMI 1.3 FULL HD SCALER BOX

### RGB SCART CONNECTOR TO HDMI WITH AUDIO INJECTOR

This scaler Box is designed to display your analog video/RGB images on HDTV's with better viewing resolutions. It can upscale any SCART input source to HDMI output with a wide-range of resolutions. Incredibly, this device can also transfer sounds allowing everyone to enjoy both HD images and sounds. Convert video to HDMI 1.3 at 1080P for HDMI LCD TV / LCD monitor. Up scales video quality to HDMI resolution.

- Supports HDMI 1.3 12 bit deep colour, HDCP 1.1, DVI 1.0
- Scales up SCART to HDTV 1080p.
- Automatic lip-sync (audio delay) ensures audio video synchronization.
- Input video systems NTSC/PAL.
- Supports 8/10/12 bit deep colour HDMI output up to 6 metres away.
- DVI compatible by using an HDMI to DVI adaptor.
- HQE (High Quality Image enhancer) function.
- Digital Noise Reduction – Minimises picture noise.
- Block Noise Reduction – Effectively minimises all MPEG noise, Improving the digital quality of HDTV broadcasts particularly, where block noise happens most.
- MPEG Noise Reduction – Reduce mosquito noise for images without losing detail.
- 3D (frame based) motion adaptive noise reduction.
- Advanced 3D motion adaptive de-interlace.
- Automatic 2:2/3:2 film mode detection.
- Automatic and individual resolution selection buttons.
- HDMI output with RGB colour space design.

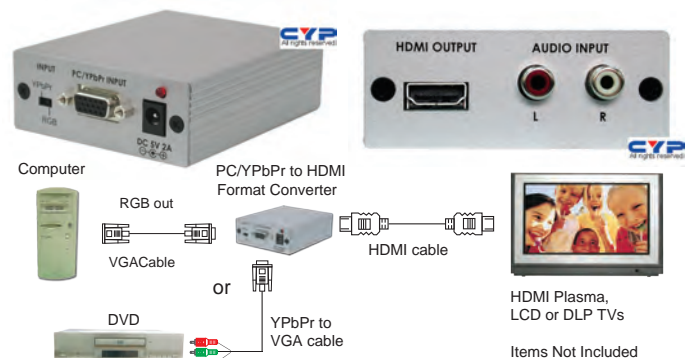


Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
SCART	HDMI 1.3	1080p@50/60	-	-	-	As is	CSLUX-1080P

## PC/HD WITH AUDIO TO HDMI FORMAT CONVERTER

The PC/HD to HDMI format converter converts analog PC RGBHV/YPbPr and audio signal to digital HDMI format. It allows you to connect the analog HD-15 RGBHV/YPbPr output from PC or Video equipment to the digital HDMI input of the latest HD ready plasma, LCD or DLP TV. Its high bandwidth capability supports a wide range of PC and HDTV resolutions.

- It enables you to connects computers with analog PC output or DVDs with YPbPr output to HDMI input of HD ready plasma, LCD or DLP TV.
- You can select input format as PC/RGBHV or HD/YPbPr.
- HDMI is compliant with HDMI 1.2
- Supports up to 1600 x 1200 @ 60 for PC input and 1920 x 1080p @ 60 for HD input.



Input	Output	Scaler	Description	Code
PC/YUV	HDMI		PC/HD With Audio to HDMI Format Converter	CP-1261HS



## CV/SV TO HDMI CONVERTER WITH AUDIO INPUT

### ANALOGUE VIDEO TO HDMI CONVERTER WITH AUDIO INPUT

This is a Video to HDMI™ converter box that can convert CV/SV (NTSC or PAL system) to HDMI resolutions of XGA to UXGA or HD resolutions of 480p to 1080p. With frame rate conversion feature that allows users to view DVD, PVR or video game sources on the HD monitor/TV this device has an On-Screen Display function that allows users to easily select the output resolution and the audio input, after which both the video and audio signal are combined into an HDMI signal so they can be output to a compatible display.

- Operates in NTSC 3.58 and PAL system.
- Can convert CV/SV to HDMI format.
- PC resolutions: XGA, SXGA, UXGA.
- Component resolutions: 480p/576p, 720p, 1080p.
- 3D (frame based) motion adaptive YNR/CNR noise reduction.
- On-Screen Display.
- Advance 3D motion adaptive de-interlace.
- Automatic 2:2 & 3:2 film mode detection.
- 50/60 Hz frame rate conversion ensures glitch-free display.
- High-resolution output picture.
- Plug & play - no drive software required.



Input	Output	Scaler	Description	Code
CV/SV	HDMI	1080p	CVBS/SV to HDMI Converter with Audio Input	CM-398H
CV/SV	DVI-I	UXGA	CVBS/SV to DVI-I converter	CM-398DI
CV/SV	PC/HD	UXGA	CVBS/SV to D-Sub or YUV	CM-398M

## DVI / PC / HDTV / HDMI TO HDMI SCALER BOX

### SOURCE SELECT, OSD AND ANALOGUE TO DIGITAL AUDIO

This Scaler Box is designed to display your PC/HD images with a better viewing quality. It can upscale PC & DVI input sources to HDMI output for wide-range resolutions. This unit allows users to select a variety of output resolutions and adjust for the best picture quality. Furthermore, it also transfer sounds through HDMI, so users can enjoy both HD images and sounds with great satisfaction.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Supports PC/HD resolution input:
- HDMI: 480p~1080p50/60
- DVI : VGA~WUXGA
- PC : VGA~WUXGA
- HD : 480i~1080p50/60Hz
- Scale PC/HD/DVI/HDMI resolutions to XGA/UXGA/720p/1080p resolutions.
- Supports PC/HD&DVI/HDMI to HDMI output.
- Transfers L/R and coaxial sounds to HDMI.
- Input and output selection buttons for quick and easy function choose.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
DVI/PC	HDMI	1080p@50/60	WUXGA@60(RB)	720p@50/60	XGA@60	As is	CP-290

## COMPONENT WITH DIGITAL AUDIO TO HDMI FORMAT CONVERTER

### COMPONENT WITH DIGITAL OR ANALOGUE AUDIO INJECTOR

The component with digital audio to HDMI format converter is designed to convert analog YCbCr/YPbPr and Toslink to digital HDMI format. It allows you to connect the YCbCr/YPbPr output from DVD or Set-Top-Box receiver to the digital HDMI input of HDTV. Its high bandwidth capability supports HDTV resolution from 480i up to 1080p.

- It enables you to connect Set-Top-Boxes or DVDs with YPbPr/YCbCr and Toslink output to HDMI input of HD ready plasma, LCD or DLP TV.
- The input format is YCbCr/YPbPr and digital Toslink audio.
- HDMI 1.2 compliant.
- Supports up to 1920x1080p@60Hz.



Input	Output	Scaler	Description	Code
YUV/Toslink	HDMI	No	Component to HDMI format With Fibre Optic Audio Input	CP-280H
YUV/Coax/3.5mm	HDMI	No	YPbPr/YCbCr+Audio to HDMI converter	CP-281H





## COMPONENT TO HDMI/OPTICAL/3.5mm AUDIO SCALER BOX

### HD TO HDMI 1080P SCALER BOX

This Scaler Box is designed to upscale digital video signal from HD input source to digital HDMI output of wide-range HDTV and PC resolutions. Besides HD upscaling, the scaler box also converts digital/analog audio signal to digital/analog format, then output to HDMI combining with the video, TOSLink (Optical fibre), and phone jack (L/R audio) simultaneously. This unit has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality.

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Scales any HD resolutions to PC (VGA ~ WUXGA) / HD (480i ~ 1080p) resolutions.
- Automatically detect the factory setting of the connected display and output the corresponding resolution and refresh rate, when the NATIVE output is selected.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- High resolution output. PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
- SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Supports stereo LPCM analog/digital audio input and stereo PCM analog/digital output.



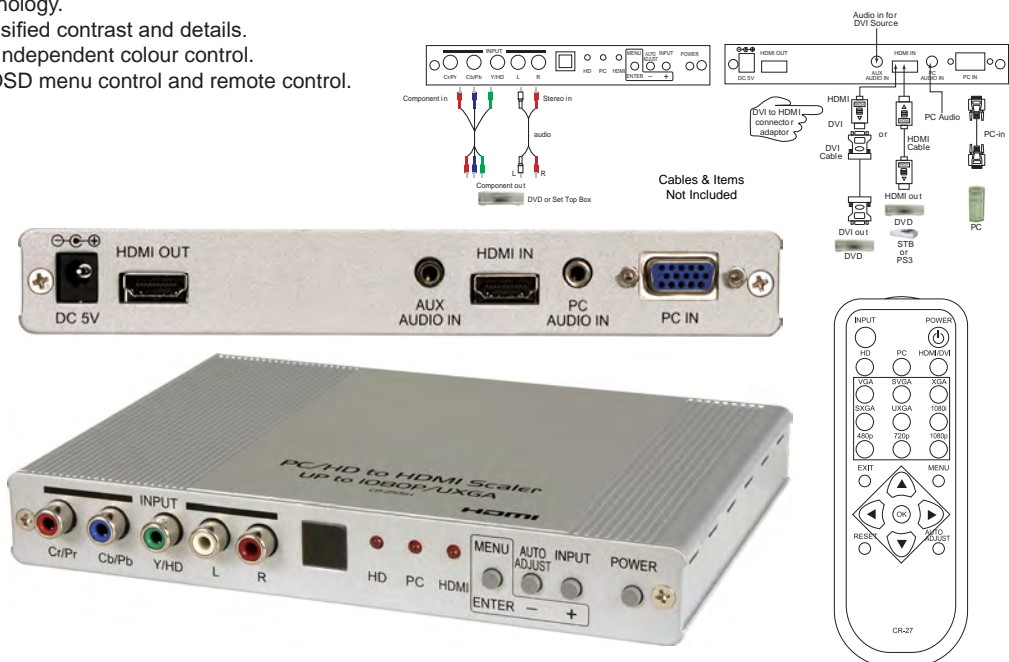
Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
YUV	HDMI	1080p@50/60	WUXGA@60(RB)	480i/576i	VGA@60	50/60	CP-294

## COMPONENT/PC/HDMI TO HDMI SCALER UXGA

### DIGITAL SCALER WITH 200MHz BANDWIDTH

An ideal addition to your HDMI TVs, CP-255 series is a professional universal scaler with ultra high bandwidth (205MHz). It accepts both analog and digital input and outputs a variety of scaled DVI or HDMI resolutions.

- Both digital and analog inputs are format converted and pixel re-scaled.
- Outputs a big range of formats and resolutions to ensure highest picture quality.
- Analog RGB compliant input. Supports PC input up to WUXGA @60Hz.
- Supports HDTV RGB/YpPr/YCbCr up to 1080p @60Hz.
- Integrated 8-bit triple-ADC/PLL.
- Integrated DVI/HDCP/HDMI compliant receiver.
- Dual high quality scaling engines. 3D noise reduction.
- Dual 3-D motion video adaptive deinterlacers with adaptive edge oriented adaptive algorithm for smooth low-angle edge.
- Automatic 3:2 pull-down & 2:2 pull-down detection and recovery. Proprietary Advanced Colour Engine technology.
- Brilliant and fresh colour. Intensified contrast and details.
- Vivid skin tone. Sharp edges. Independent colour control.
- Operates through on-screen OSD menu control and remote control.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
HDMI/YUV	HDMI	1080p@50/60	WUXGA@60(RB)	480i/576i	VGA@60	50/60	CP-255H



## □ EDID/CEC Equipment

### HDMI EDID EMULATOR

The CED-1M is designed to allow the adjustment of HDMI/DVI EDID information that is provided to a source device by a connected display so that it may output the correct video/audio signal. Aiming to simplify the technical complications involved in video/audio system integration, home theatre installation, video/audio equipment testing and experimentation, the unit's learning function allows the user to Read and Write the video/audio EDID to the system. It also supports EDID Emulation and Bypass modes. Compliant with HDMI and DVI 1.0 standards.

- Compliant with HDMI and DVI 1.0 standards
- Supports the following HDMI features:
  - High video bandwidth up to 340MHz/10.2Gbps
  - Resolutions up to 1080p@60Hz and 4K2K@24/30Hz
  - 36-bit Deep Colour
  - LPCM 7.1CH, Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio (Sampling rates from 32kHz to 192kHz)
- Supports four different EDID Modes:
  - Read Mode: Reads the TV/display's EDID information
  - Write Mode: Overwrites the TV/display's EDID information (TV/display needs to be able to support overwrite function)
  - Emulator Mode: Allows the source device to read the selected EDID information from the unit's default or learned EDID memory
  - Bypass Mode: Allows the source device to read the EDID information from the TV/display directly
- Supports 8 sets of default EDID
- Supports DVI source by using HDMI to DVI adaptor
- Supports CEC and EDID pass-through
- Supports being powered by USB or HDMI input



Input	Output	Supported TV Resolutions	Supported PC Resolutions	Power management	CEC Management	EDID Management	Software	Code
1x HDMI	1x HDMI	480i-4K@24/25/30Hz	-	-	-	Yes	Yes	CED-1M

### HDMI EDID/CEC SELECTOR

The EDID/CEC Selector allows anyone to set up a firm EDID and CEC between a source and display. Instead of waiting for the source and display to synchronize, this HDMI v1.3 switcher saves time by using your preset EDID and CEC settings to speed up this process. It's also easy for you to change your settings, simply choose your options like: internal/external power and EDID auto setting to let everyone enjoy the benefits this device can bring.

- Compliant with HDMI 1.3 and DVI 1.0 standards
- Serial data rate at up to 2.25Gbps, capable of supporting digital video formats in Deep Colour Mode at up to 36 bits (12 bits/colour)
- Supports HD audio; Dolby® Digital TrueHD and DTS-HD
- Embedded EDID
- Built-in CEC support with compliant CEC PHY
- HDMI cable distance testing showed that with 1080p 8bit or 12bit resolution the input / output can be up to 10/15 metres away
- Supports DVI source /display by using an HDMI / DVI adaptor cable
- Can choose the EDID source from either the TV or this splitter
- Supports CEC by pass or set the device manually to HDMI
- Easy to install and operate



Input	Output	Supported TV Resolutions	Supported PC Resolutions	Power management	CEC Management	EDID Management	Software	Code
1x HDMI	1x HDMI	480i-1080p@50/60Hz	VGA-UXGA	-	Yes	Yes	-	CED-S11

### HDMI CEC CONTROLLER

The CLUX-UCEC is a convenient USB device allowing users to control various HDMI devices through their PC. Both sources and displays can be controlled, either with a PC or remote control. This device connects to the PC using a mini USB port, allowing plug and play simplicity and providing power for the device itself, so you don't have to deal with any cumbersome cables.

- HDMI v1.3, HDCP v1.1 and DVI v1.0 compliance
- Supports full CEC functions
- Plug and play
- RS-232 over mini USB
- Power supplied through the mini USB port
- Supports EDID bypass



Input	Output	Supported TV Resolutions	Supported PC Resolutions	Power management	CEC Management	EDID Management	Software	Code
1x HDMI	1x HDMI	480i-1080p@50/60Hz	VGA-WUXGA(RB)	-	Yes	-	Yes	CLUX-UCEC





## □ USB Video Converter

### HDMI/COMP/SV/CV TO USB FULL HD CAPTURE

#### VIDEO CAPTURE DEVICE

This High Definition capture box supports HDMI 1080p video/component/SV/CV input and record to H.264 video format. Its low power consumption and superior video processing capabilities make it ideal for integration into high-end portable and desk top PC products.

- Supports Full HD capture of HDMI/COMP/SV/CV signal to USB
- Built-in H.264/MPEG4-AVC High Definition encoder
- Video input Supports input video timings: 1920x1080, 1280x720, 576, 720x480
- Supports MPEG-4 Advanced Audio Coding (AAC)
- Supports audio sampling frequency of 48 KHz
- Powered via USB bus power with low power consumption



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Code
1xHDMI, 1xComponent Video/SV/CV	1xMini-USB	Digital RGB/YUV, Analogue YUV, NTSC/PAL	USB Data	480i-1080p	CUSB-603

### WI-FI TO TV SMART PLAYER DLNA

The CWF-901SP can send video/audio signals from a smart phone, PC or Laptop through Wi-Fi to a TV for use as the primary display. The SmartPlayer is designed as a DLNA DMR (Digital Media Renderer) enabling users to easily send audio, video and pictures from a connected source device to a TV wirelessly. This device can also function as a Wi-Fi Access Point for users to access a wired internet connection with their laptops or mobile devices. Displaying audio, video and pictures through network streaming, the WiFi Smart Player is a simple yet incredibly useful device for sharing content.

- Supports PC to TV and Smart Phone to TV wireless streaming
- Functions as a Wi-Fi access point, connect to a wired Ethernet network to enable wireless internet connectivity
- Designed as a DLNA DMR (Digital Media Renderer) device
- Displays picture, audio, and video content through network streaming
- USB ports for Mouse/Keyboard/HDD/USB Drive
- USB flash disk for firmware upgrade



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Code
1xUSB Dongle, 1xRJ45	1xHDMI, 2xUSB	Data	Digital RGB/YUV	720p/1080p	CWF-901SP

### USB TO HDMI/PC/USB DISPLAY CONVERTER

The USB to HDMI display" can allow users to view any PC information on a compatible TV. An additional feature of this product is that it includes extra USB ports allowing it to perform KVM operations next to the TV, which is an added bonus for those of us who are multi-taskers.

- Supports HDMI & VGA outputs
- 16/32-bit Colour for high-quality images
- HD resolution up to 1920 x 1080
- HDMI and RGB display connectivity
- EDID selection with switch for VGA or HDMI output
- Secure and easy to use



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1xRJ45, 1xUSB	1xHDMI, 1xVGA, 2xUSB	Data	Digital RGB/YUV Analogue RGB	480p-1080p	VGA-UXGA	CDL-165HUB

### USB TO HDMI CONVERTER

This USB to HDMI converter enables you to add an additional monitor to a laptop or desktop through the use of USB 2.0 ports, freeing you from the complicated process of installing VGA cards. With this device, you can extend your display across two screens, letting you to surf the web on one and make a spreadsheet/ presentation/ use a word processor on the other. Furthermore, this device has a mirrored mode, allowing you to display the same desktop image on two monitors. Supported screen resolution between VGA and 1440x900 bits (at 60Hz).

- Connects up to 6 (Windows®) / 4 (Mac®) displays to one PC through USB 2.0 ports
- Supports HDMI output
- Supported screen resolution between VGA and 1440x900 bits (at 60Hz)
- Completely new architecture to support Vista® Aero (32/64bit)
- Powered from the PC through the USB connection



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1xMini-USB	1xHDMI	Data	Digital RGB/YUV, Analogue RGB	1080p	VGA-1440x900	CDL-125



## Analogue Converters

### DUAL HDMI TO HD COMPONENT CONVERTER

#### HDMI x2 SWITCH TO YUV & 3.5mm AUDIO OUTPUT

The Dual HDMI to HD Component Converter is an HDMI to component (YPbPr) converter with audio output. It allows you to switch between 2 HDMI sources and convert it to component and analog audio (L/R) or digital audio (Coaxial) output at the same time. It supports high definition up to 1080p, and output resolution follows input.

- HDMI or DVI (with converter cable) signal display on analog display
- HDMI audio signal output to digital or analog audio speaker
- Converting HDMI signal to analog signal
- HDMI v1.3 and DVI 1.0 compliant
- Supports 2 HDMI inputs and 2 audio (coaxial, L/R) output
- HDMI input support 8/10/12 bits, component output support 8 bits
- HDMI input compatible with DVI format when using HDMI to DVI adaptor
- HDMI audio input support LPCM 2CH and sampling rate support from 32KHz to 192KHz
- Component output support tri-level sync for 720p, 1080i and 1080p
- Built-in EDID



Input	Output	Scaler	Description	Code
2x HDMI	YUV/Coax/3.5mm	No	Dual HDMI to HD Component Converter	CP-283H-D
2x HDMI	YUV/Coax/3.5mm	No	Dual HDMI to HD Component Converter	CP-1283HDT

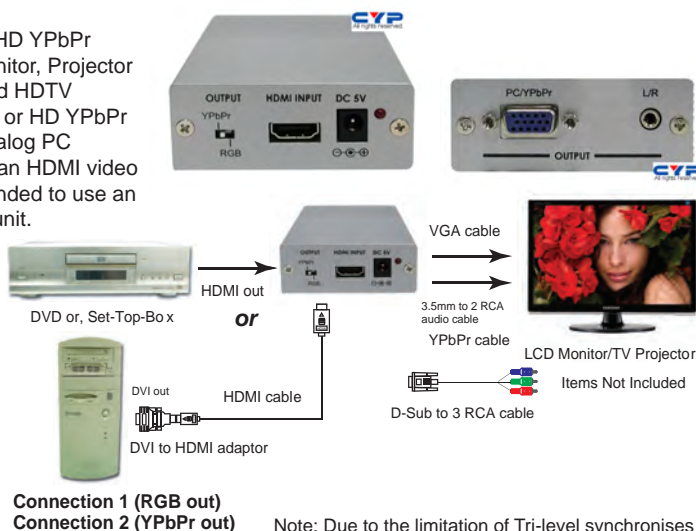
Note: This product does not process HDCP input. When receiving content that has HDCP encryption there will be no video & audio output.

### HDMI & PC/HD CONVERTER WITH AUDIO

#### HDMI TO PC/COMPONENT CONVERTER WITH AUDIO BOX

This box is designed to convert digital HDMI to Analog PC/RGB or HD YPbPr output. It enables the HDMI sources display through analog PC monitor, Projector or TV. Its high bandwidth capability supports a wide range of PC and HDTV resolutions. The CP-262H converts digital HDMI to analog PC/RGB or HD YPbPr with audio. It enables you to connect your new HDMI sources to analog PC monitors, Projectors or TVs. The CP-262H can receive power from an HDMI video source through its 18 pin HDMI connection. However it is recommended to use an external power adaptor to ensure enough power is provided to the unit.

- Supports HDMI input and Analog PC or SD/HD output.
- Timing sync & resolution remains input to output.
- Supports output selection between YPbPr and RGB.
- Supports many input/output resolutions.
- PC: 640x480px to 1920x1200px WUXGA60 (154MHz).
- HD: 480i, 576p, 720p, 1080i, 1080p.
- Build-in EDID.
- HDMI 1.3 Compliant.
- Lets you watch new HDMI source signal (from Set Top Box, or DVD player) on your older analog TVs or monitor.
- Output YPbPr & RGB switchable.
- Plug and Play, easy to install.
- Can operate without external DC power supply.



Connection 1 (RGB out)  
Connection 2 (YPbPr out)

Note: Due to the limitation of Tri-level synchronises output the image will shift to the left side of the screen when component output is at 720p/1080i/1080p. If HDMI source includes HDCP(High-bandwidth Digital Content Protection), output display does not support HDCP decryption and no image display.

Input	Output	Scaler	Description	Code
HDMI	PC/YUV	No	HDMI to PC/Component Converter with Audio Box	CP-1262HE

### HDMI TO VIDEO SCAN CONVERTER

#### HDMI TO VIDEO SCAN CONVERTER

The HDMI to CVBS Converter is designed to convert digital signal from HDMI source to analog signal of NTSC or PAL system, with L/R stereo audio. This device provides a convenient application that allows the users to store high definition movie in a standard resolutions of 480i or 576i on DVR or VCR machine. The device is HDMI 1.2 & DVI 1.0 compliant and it features many great functions such like 3D noise reduction, frame rate conversion, adaptive contrast enhancement...and etc. Further, a simplify OSD function is available allowing user with easy viewing on the displaying status.

- HDMI 1.2, HDCP1.1 and DVI1.0 compliant.
- Converts video signal from HDMI source to NTSC or PAL signal.
- Converts digital audio from HDMI source to analog stereo audio.
- Accepts a wide range of HDTV input resolutions, from 480p to 720p@60Hz and PC from VGA@60Hz to WXGA@60Hz.
- Output picture size Underscan / Overscan.
- 3D noise reduction in both temporal and spatial domain.
- Frame rate conversion with arbitrary adaptive contrast enhancement.

Input	Output	Downscaled TV Res.	Frame Rate Conversion	Code
HDMI	CV & L/R	NTSC/PAL	50/60	CV-400H
HDMI	CV & L/R	NTSC/PAL	50/60	CV-401H



This product does not process HDCP input. When receiving content that has HDCP encryption there will be no video output.





## DVI-I TO HDTV SCALER 1080P

### DVI-I WUXGA TO COMPONENT (HD) SCALER BOX

This scaler Box is designed to upscale DVI-I input sources to HD output of wide-range HDTV resolutions. This unit has a comprehensive OSD menu that allows users to select a variety of output resolutions and adjust for the best picture quality.

- DVI 1.0 compliant.
- Scales PC/HD resolutions to HD (480i ~ 1080p) resolutions.
- Input 480i to 1080p, VGA(60-85Hz) to WUXGA(60Hz) 1920x1200px
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- Supports high resolution output.
- SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p

Input	Output	Upscaled TV Res.	Downscaled TV Res.	Frame Rate Conversion	Code
DVI	YUV	1080p@50/60	480i/576i	50/60	CP-292



## DVI TO PC/HDTV CONVERTER BOX

### DVI TO PC/COMPONENT CONVERTER BOX

This box is designed to convert digital DVI-D to Analog PC/RGB or HD YPbPr output. It enables the DVI sources display through analog PC monitor, Projector or TV. Its high bandwidth capability supports a wide range of PC and HDTV resolutions.

- Supports DVI-D input and Analog PC/RGB or HD YPbPr output.
- Supports output selection between YPbPr and RGB.
- Supports input/output resolution as below:
- PC: 640x480, 800x600, 1024x768, 1152x864, 1280x1024, 1600x1200, 1920x1200
- HD: 480i, 576i, 480p, 576p, 720p, 1080i, 1080p

Input	Output	Scaler	Description	Code
DVI	PC/HDTV	1080p	DVI to PC/Component Converter Box	CP-1262DE

Note: Due to the limitation of tri-level synchronised output the image will shift to the left side of the screen when component output at 720p/1080i/1080p. This can be horizontally trim adjusted on a compatible display monitor. Does not support HDCP decryption. (High-bandwidth Digital Content Protection) no output displayed if encrypted.



## DVI TO PC FORMAT CONVERTER

### NON HDCP

The DVI to VGA format converter converts digital DVI/RGB signal to analog PC RGB signal. It allows you to connect the DVI output from PC or Video equipment to the HD-15 VGA input of the analogue monitors. Its high bandwidth capability supports a wide range of PC and HDTV resolutions.

- Connects computers with DVI-D connectors to analog monitors or projectors.
- Supports up to 1600x1200@60 for PC input and 1920x1080p@60 for HD input.
- Supports DDWG standard for DVI compliant monitors.

Input	Output	Scaler	Description	Code
DVI	PC	no	DVI to PC Format Converter (non HDCP)	CP-262DPC



## DVI TO PC/HDTV SCALER SXGA

### DVI-D TO D-SUB OR YUV WITH UP/DOWN SCALING WITH OSD ADJUST

CP-253 is a high performance PC/HDTV two-way scaler which accepts Digital DVI-D input and converts to analog RGB output.

- The input to the CP-253 is digital PC or HDTV signal in the format of either RGBHV or YPbPr / YCbCr data bitstream via 24-pin DVI connector.
- Output is Analog PC or HDTV signal in RGBHV or YPbPr
- Includes RCA (YUV) breakout cable via a HD-15 VGA connector.
- The input resolution is automatically detected while the output resolution and refresh rate can be selected through OSD menu and front panel push buttons.
- 48MB frame memory for frame rate conversion.
- Output picture adjustment on Brightness, Contrast, Colour and H-V position.

Input	Output	Scaler	Description	Code
DVI	SXGA/YUV	Yes	DVI to VGA Scaler Box	CP-253





## DVI-D TO VIDEO CVBS

The DVI to Video Scan Converter is designed to convert digital signal from DVI-D source to analog CVBS signal of NTSC or PAL system. The device is HDMI 1.2 & DVI 1.0 compliant and it features many great functions such like 3D noise reduction, frame rate conversion, adaptive contrast enhancement... and etc. Further, a simplify OSD function is available allowing user with easy viewing on the displaying status.

- Accepts a wide range of DVI-D input resolution from 480p to 1080p@60Hz and PC from VGA to WUXGA@60Hz
- DVI 1.0 compliant signal display on TV monitor
- PC Graphic Card signal display on CRT display
- Converts video signal from DVI-D source to NTSC or PAL signal
- 3D noise reduction in both temporal and spatial domain
- Frame rate conversion
- Adaptive contrast enhancement
- OSD Display
- Overscan and underscan adj.
- Phase and Aspect adj.



Note: This product does not process HDCP input. When receiving content that has HDCP encryption there will be no video output

Input	Output	Scaler	Description	Code
DVI-D	CVBS	VGA to WUXGA	DVI-D to Video Scan Converter	CV-401D

## CV/SV TO PC/HD SCALER

### VIDEO TO PC/HD SCALER BOX

Convert Composite Video, S-Video, YCbCr, and RGB signals to a variety of computers and HDTV resolutions. It accepts video input of all video systems - NTSC, PAL and SECAM. CM-347 has many great features to upgrade video source to high resolution PC or HDTV quality and is ideal for use in professional large screen presentation.

- Video inputs are 3D de-interlaced and scaled up to PC or HDTV output resolution.
- Automatically accommodates worldwide input video systems of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, and SECAM.
- High performance adaptive digital 4H Comb filter Y/C separator with adjustable vertical peaking.
- Motion compensated de-interlacing algorithms to produce a clear and artifact-free progressive scan video signal.
- Built-in adaptive film mode 3:2/2:2 pull-down provides clear and crisp de-interlacing of video originating from 24 fps, such as DVD movies.
- Frame rate up conversion from 50 up to 85Hz.
- Vertical temporal filter (VT) removes jaggy and other de-interlacing artifacts from normal video.
- OSD menu with adjustable control on Colour, Sharpness, Brightness, Contrast and Tint (NTSC).
- Last memory for all adjustments.



Input	Output	Scaler	Description	Code
CV/SV	PC/HD	SXGA	1080i or 1280x1024px max.	CM-347

## CV/SV TO PC/HDTV SCALER

### VIDEO TO PC & HDTV CONVERTERS

This economical Video to PC converter box that can convert CV/SV (NTSC or PAL system) to supported PC resolution like XGA to UXGA or HD resolutions of 480p to 1080p. With frame rate conversion feature that allows users to view DVD, PVR or Game sources on the PC monitor, this device also has an On-Screen Display that allows users to easily select their desired output resolution.

- Operates in NTSC 3.58MHz and PAL system.
- Can scale CV/SV to PC or Component format.
- PC resolutions: XGA, SXGA, UXGA (1600x1200px)
- Component resolutions: 480p/576p, 720p, 1080p.
- 3D (frame based) motion adaptive YNR/CNR noise reduction.
- On-Screen Display.
- Advance 3D motion adaptive de-interlace.
- Automatic 2:2 & 3:2 film mode detection.
- 50/60 Hz frame rate conversion ensures glitch-free display.
- Play video games on your VGA monitors.
- High-resolution output picture.
- Plug & play - no drive software required.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Frame Rate Conversion	Code
CV/SV	PC/HD	1080p@50/60	UXGA@60	50/60	CM-398M
CV/SV	DVI-I	1080p@50/60	UXGA@60	50/60	CM-398DI
CV/SV	HDMI	1080p@50/60	UXGA@60	50/60	CM-398H





## CV/SV TO PC SCALER

### COMPOSITE & S-VIDEO TO D-SUB UP-SCALE

A low cost video to PC converter that converts Composite or S-Video (NTSC or PAL system) to PC resolutions of either XGA, SXGA, WXGA (or UXGA). Allows you to view your DVD or game video source on your PC monitor.

- Operates in NTSC 3.58 and PAL system.
- Motion adaptive 3D Y/C separation comb filter (for composite video input).
- 3D (frame based) motion adaptive YNR/CNR noise reduction (for Y/C video input).
- Advance 3D motion adaptive de-interlace.
- Automatic 2:2 & 3:2 film mode detection.
- 50/60Hz frame rate conversion ensures glitch-free display.
- Play video games on your VGA monitors.
- High-resolution output picture.
- Plug & play - No drive software required, easy to install.
- Power supply: DC 3.3V, 1.5A

Input	Output	Power	Scaler	Description	Code
CV/SV	PC	5V, 1A	UXGA	1600x1200px Up-Scaler	CM-398



## CV/SV TO YUV/RGB FORMAT CONVERTER

### CV/SV TO YCbCr/RGB FORMAT CONVERTER

CP-VSRGB is designed for converting Composite Video/S-Video signal such as iPod®, DVD, X-Box® to the component or RGsB for connecting to SDTV or projector.

- Automatically recognises the source system.
- Suitable for worldwide video system of NTSC 3.58, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.
- Supports Composite video and S-Video input.
- The Output format is selectable between RGB and YCbCr.
- Power saving mode.
- Simple plug and play unit.

Input	Output	Scaler	Description	Code
CV/SV	YUV/RGB	SD	CV/SV to YCbCr/RGB Format Converter	CP-VSRGB



## CV TO SCART RGB

### RGB EXTRACTOR

Cypress CCR-2SRGB is a simple plug and play unit that let you view video without any quality loss, also great for enhancing picture quality.

- Automatically recognises TV system of the video input and converts it to Scart RGB Sync.
- Regenerates Sync. and restored colour burst of the Video input to achieve an error-free standard RGB output.
- Ideal for use with TVs equipped with scart connector for enhancing picture quality.
- Audio source loop-through.

Input	Output	Scaler	Description	Code
CV	SCART	RGB Sync restore	Video to SCART converter	CCR-2SRGB



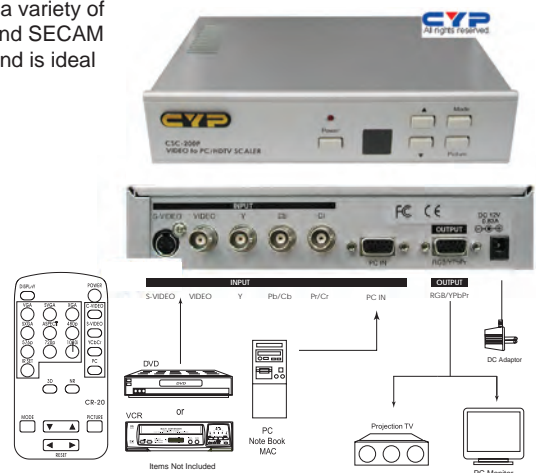


## CV/SV/YUV/PC TO YUV/PC PROFESSIONAL SCALER PROFESSIONAL SXGA

Cypress's CSC-200P is designed to convert Composite S-Video and YCbCr signals to a variety of computer and HDTV resolutions. It handles video input from TV systems NTSC, PAL and SECAM TV standards. Cypress CSC-200P has many great features to enhance performance and is ideal for use in professional large screen presentation.

- Video inputs are de-interlaced and scaled up to output resolution as below:
- PC output : 640x 480, 800x 600 (SVGA), 1024 x 768 (XGA), 1280 x 1024(SXGA).
- HDTV output: 852 x 480p, 852 x 576p, 1280 x 720p, 1920 x 1080i.
- Automatically accommodates input video systems of NTSC 3.58, PAL and SECAM.
- High performance adaptive 3D Comb filter Y/C separator.
- Per-pixel motion compensated de-interlacing algorithms to produce artifact-free progressive scan video signal.
- Built in Adaptive film mode 3:2 pull-down provides clear and crisp de-interlacing of video originating from 24 fps film, such as DVD movies.
- Frame rate conversion from 50Hz up to 60Hz (PAL), or 60Hz up to 60Hz (NTSC).
- Vertical temporal filter (VT) removes jaggy and de-interlacing artifacts from video.
- OSD menu with control on Colour, Sharpness, Brightness, Contrast and Tint (NTSC).
- Built-in DCT1/DLTI circuit for colour/luminance transient improvement.
- The PC loop-through allows for easy change between video and PC source.
- Last memory for all adjustments.
- IR Remote control.

Input	Output	Scaler	Description	Code
CV/SV/YUV/SXGA	SXGA/YUV 3D		Video Scaler Pro with RS-232	CSC-200



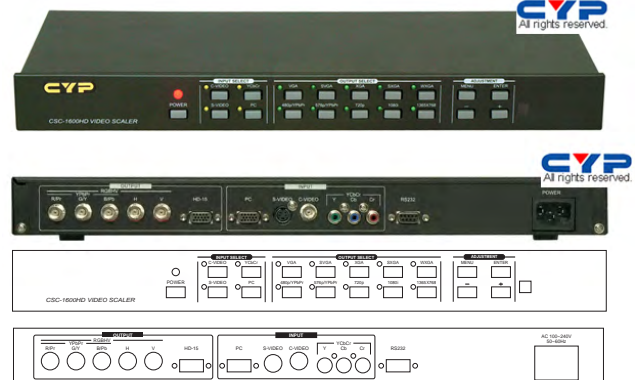
## CV/SV/YUV/PC TO YUV/PC PROFESSIONAL SCALER PROFESSIONAL WXGA

### SCALE UP TO WXGA 1365x768px 1080i 85Hz

CSC-1600HD is a high performance intelligent video scaler for converting any standard of video to, among others, non-interlaced high resolution HDTV 720P picture or SXGA (1280 x 1024) PC resolution. With a variety of output pixel rate, you can always choose a suitable resolution to match the native resolution of your display TV/Monitor such that the final displayed picture is free of distortion and at highest quality.

- Video inputs are de-interlaced and scaled up to output resolutions:
- PC output : 640x 480, 800x 600 (SVGA), 1024 x 768 (XGA), 1280 x 1024(SXGA), 1280 x 768(WXGA), 1365 x 768
- HDTV output: 852x480p, 852x576p, 1280x720p, 1920x1080i 16:9
- Automatically accommodates worldwide input video systems of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, and SECAM.
- adaptive 4H Comb filter Y/C separator with adjustable vertical peaking.
- Per-pixel motion compensated de-interlacing algorithms to produce artifact-free progressive scan video signal.
- Built in Adaptive film mode 3:2 pull-down provides clear and crisp de-interlacing of video originating from 24 fps film, such as DVD movies.
- Frame rate up conversion from 50Hz / 60Hz / 75Hz / 85Hz.
- Vertical temporal filter (VT) removes jaggy and de-interlacing artifacts.
- OSD menu control Colour, Sharpness, Brightness, Contrast.
- Built-in DCT1/DLTI circuit for colour/luminance transient improvement.
- RS-232 interface allows remote control from PC.

Input	Output	Scaler	Description	Code
CV/SV/YUV/WXGA	YUV/WXGA	VT DCT1 DLT1	Video to WXGA Scaler Pro Grade	CSC-1600HD



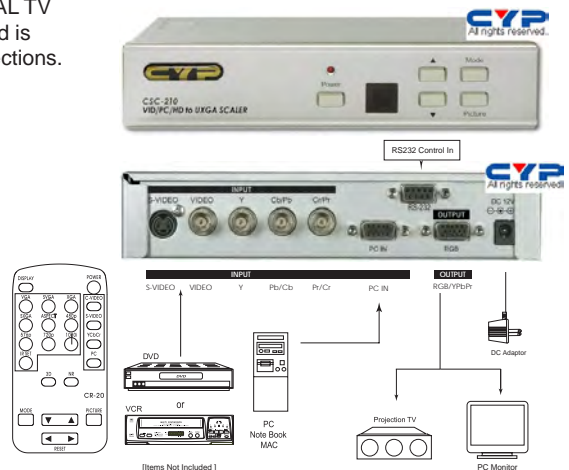
## CV/SV/YUV/PC TO YUV/PC PROFESSIONAL SCALER PROFESSIONAL UXGA

### VIDEO TO UXGA 1600X1200PX SCALER

CSC-210 is designed to convert Composite, S-Video and YCbCr/YPbPr or PC signals to a variety of computer resolutions. It handles video input from TV systems NTSC, PAL TV standards. Cypress CSC-210 has many great features to enhance performance and is ideal for use in professional large screen presentation using VGA type HD15 connections.

- Professional scaler/de-interlacer for CV, SV, YCbCr/YPbPr and PC inputs.
- All inputs can be scaled up to output resolution as below
- PC output: 640x480, 800x600(SVGA), 1024x768(XGA), 1280x1024(SXGA), 848x480(WVGA), 1280x768(WXGA), 1360x768, 1600x1200(UXGA).
- Automatically accommodates input video systems of NTSC 3.58 and PAL.
- High performance adaptive 3D Comb filter Y/C separator.
- Per-pixel motion compensated de-interlacing algorithms to produce artifact-free progressive scan video signal.
- Built in Adaptive film mode 3:2 pull-down provides clear and crisp de-interlacing of video originating from 24 fps film, such as DVD movies.
- Frame rate conversion 50Hz / 60Hz.
- Vertical temporal filter (VT) removes jaggy de-interlacing artifacts.
- OSD menu with control on Colour, Detail, Brightness, Contrast and Hue (NTSC).
- Built-in DCT1/DLTI circuit for colour/luminance transient improvement.
- Last memory for all adjustments.
- RS-232 interface allows remote control from PC.

Input	Output	Scaler	Description	Code
CV/SV/YUV	UXGA	VT DCT1 DLT1	Video to UXGA Scaler	CSC-210







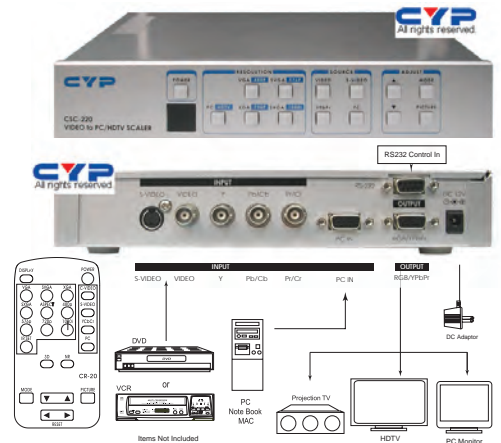
## CV/SV/YUV TO PC/HDTV SCALER DE-INTERLACER PROFESSIONAL

### VIDEO TO SXGA / 1080i SCALER

Cypress's CSC-220 is designed to convert Composite, S-Video, YCbCr/YPbPr and PC signals to a variety of computer and HDTV resolutions. It handles video input from TV systems NTSC, PAL and SECAM TV standards. Cypress CSC-220 has many great features to enhance performance and is ideal for use in professional large screen presentations using HD15 or HDTV type inputs.

- Professional universal scaler/de-interlacer.
- Inputs CV, SV, YCbCr/YPbPr and PC inputs.
- All inputs can be scaled up to output resolution as below.
- PC output : 640x480(VGA), 800x600(SVGA), 1024x768(XGA), 1280x1024(SXGA).
- HDTV output: 480p, 576p, 720p, 1080i.
- Automatically accommodates input systems of NTSC, PAL SECAM.
- High performance adaptive 3D Comb filter Y/C separator.
- Per-pixel motion compensated de-interlacing algorithms to produce artifact-free progressive scan video signal.
- Adaptive film mode 3:2 pull-down de-interlacing of 24 fps film, such as DVD movies.
- Frame rate conversion from 50Hz / 60Hz.
- Vertical temporal filter (VT) removes jaggly and other de-interlacing artifacts.
- OSD menu with control on Colour, Detail, Brightness, Contrast and Hue (NTSC).
- Built-in DCT/DLTI circuit for colour/luminance transient improvement.
- RS-232 interface allows remote control from PC. IR Remote control.

Input	Output	Scaler	Description	Code
CV/SV/YUV	UXGA/YUV	VT DCT1 DLT1	Video to UXGA Scaler	CSC-220



## CV/SV TO PC/HD SCALER BOX

### VIDEO TO WUXGA OR YPbPr CONVERTER SCALER

This professional video scaler is designed to convert Composite and S-Video signal into PC(RGB) or HD(YPbPr) format. Scales it up to a maximum output of WUXGA 1920 x 1200 @ 60 fps (when used with a PC monitor) or 1080p resolution (when used with an HDTV display). Capable of handling NTSC and PAL TV standards, this device has many built-in processing features to enhance the quality of your video.

- Motion adaptive 3D Y/C separation comb filter (for improved composite video conversion).
- 3D (frame Based) motion adaptive YNR/CNR noise reduction.
- Advanced 3D motion adaptive de-interlace.
- Automatic 2:2/3:2 film mode detection.
- 50Hz or 60Hz frame rate conversion (480p/576p excluded).
- Video quality improvement.
- Digital Chroma Transient Improvement.
- Digital Luminance Transient Improvement.
- Black level extension.
- Average Picture Level.
- Automatic Contrast Limiter.
- OSD menu for picture quality adjustment.
- Built-in 10-bit DAC for RGB or YPbPr output.
- Front Panel and IR remote control.
- Automatic NTSC/PAL video format detection and switching.

Input	Output	Scaler	Description	Code
CV/SV	WUXGA/YUV	3D DCT1 DLT1	Video to WUXGA-YUV Scaler Box	CM-1390M



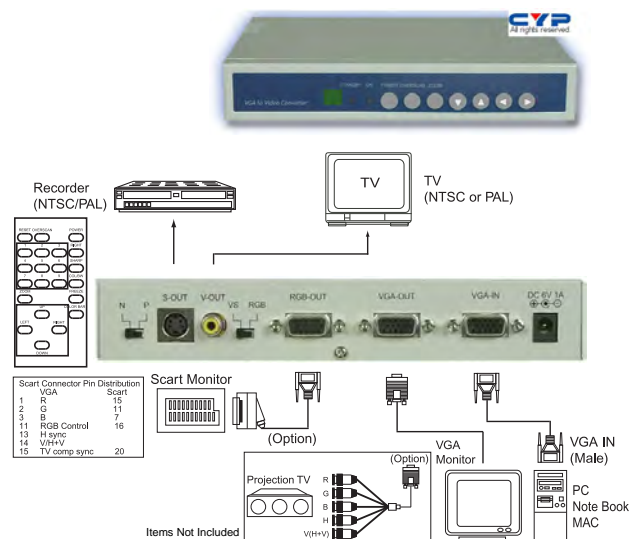
## DELUXE PC TO VIDEO CONVERTER

### DELUXE PC TO VIDEO CONVERTER

Turn your PC masterwork into Crisp Video Image. Education and business presentation. Enjoy PC games, PC movies and Internet on TV.

- It converts three most often used PC modes - 1024x768, 800x600, 640x480 into NTSC and PAL with a touch of the remote control.
- Plug-and-play design, no software drivers required.
- Cross-platform compatibility for PC, Mac® and Notebook.
- 3 levels of brightness control plus 8 levels of sharpness control.
- Traditional Zoom & Pan.
- 2X Zoom for one specific area.
- Screen freeze/unfreeze.
- Vertical and horizontal overscan/underscan control.
- Simultaneous display on PC and TV monitor.
- Composite, S-Video (S-VHS or Hi-8) and RGB output.
- Video output available in NTSC and PAL.
- Automatically supports scan rate from 50 Hz up to 100Hz.
- Selective high clarity 5-line anti-flicker filter.
- Built-in colour bar generator.

Input	Output	Scaler	Description	Code
PC	CV/SV	XGA 1024x768px	Deluxe PC to Video Converter	CPT-360





## PC/HD TO PC/HD SCALER WUXGA

### D-SUB OR YUV TO D-SUB OR YUV WITH UP/DOWN SCALING WITH OSD ADJUST

This Scaler Box is designed to upscale PC/HD input sources to PC/HD output of wide-range PC/HD resolutions; This unit has a comprehensive OSD menu that allows users to select a variety of output resolutions and adjust for the best picture quality.

- Scales any PC/HD resolutions to PC (VGA ~ WUXGA)/HD (480i ~ 1080p) resolutions.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- Supports high resolution output.
- PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
- SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Supports YPbPr/RGBHV input/output.



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
YUV/ WUXGA	YUV/ WUXGA	1080p@50/60	WUXGA@60 (RB)	480p/576p	VGA@60	50/60	CP-291N

## VGA TO SV/CV SCALER CONVERTER

### D-SUB VGA & UXGA TO CV/SV INTERLACED DOWN SCALER

The CPT-385AM PC to Video scan converter box is designed to convert a variety of computer images, from 640x480 up to 1920x1200, to interlaced NTSC or PAL video. It supports output formats including composite and S-Video. It is ideal for use in applications like video conference, home theatre, business presentation, lecturing room or viewing PC image on TV.

- Automatically detects and down converts the incoming PC images to NTSC or PAL.
- Support high resolution PC input up to WUXGA (1920x1200@60Hz).
- Scale down PC video to Composite/S-Video.
- Switch between NTSC/PAL.
- Image Overscan/Underscan selection.
- Easy to install and simple to operate.
- Easy to carry with palm size design.
- Power supply: DC 5V, 1A

Input	Output	Scaler	Description	Code
PC	CV/SV	UXGA 1920x1200px	PC to Video Converter	CPT-385AM



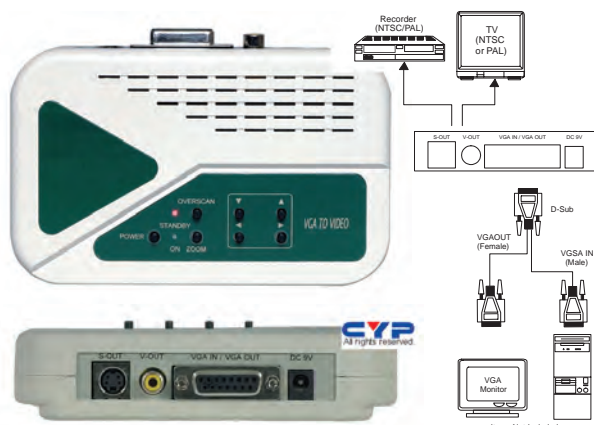
## PC TO VIDEO SCALER XGA

### D-SUB TO D-SUB & CV/SV INTERLACED DOWN SCALER

Turn Your PC masterwork into Crisp Video Image. Enjoy PC games, PC movies and Internet on TV. Education and business presentation.

- CPT-350 converts three VGA modes - 1024x768, 800x600, 640x480 - into NTSC or PAL
- Plug-and-play design, no software drivers required.
- Cross-platform compatibility for PC, Mac® and Notebook.
- Traditional Zoom & Pan.
- Vertical and horizontal overscan/underscan control.
- Simultaneous display on PC and TV monitor.
- Composite, S-Video (S-VHS or Hi-8) output.
- Automatically supports scan rate from 50 Hz up to 100 Hz.
- Selective high clarity 5-line anti-flicker filter.
- Palm size, ideal for hand held.

Input	Output	Scaler	Description	Code
PC	CV/SV	XGA 1024x768px	PC to Video Converter	CPT-350



## PC/HD TO VIDEO CVBS CONVERTER

### PC/HD TO VIDEO CVBS CONVERTER

The PC/HD to Video Scan Converter is designed to down scale PC/Component source to analog CVBS (NTSC,PAL) signal. Supporting PC resolution up to WUXGA@60hz, this scaler also helps connects new video sources to older displays. The device features many great functions such like 3D noise reduction, frame rate conversion, adaptive contrast enhancement, etc. OSD allowing easy setting of the displaying status.

- Security camera display, eg. Displaying PC signal on any TV display
- Converts video signal from PC/component source to NTSC or PAL signal
- Accepts a wide range of component input resolution from
- 480i to 1080p@60Hz and PC from VGA to WUXGA@60Hz
- 3D noise reduction in both temporal and spatial domain
- Frame rate conversion (PC to CV). Adaptive contrast enhancement
- Overscan and underscan adjustment, Phase and Aspect adjustment
- No software installation required, Easy OSD Display for setting & status
- Does not support interlace source signal conversion between 50/60Hz

Input	Output	Downscaled TV Res.	Frame Rate Conversion	Code
VGA	CVBS	NTSC/PAL	50/60	CV-401V







## VIDEO TO RGB/SYNC CONVERTER

- Digital decoding and encoding ensures best conversion quality
- Converts NTSC/PAL/SECAM composite video to RGB/Sync or RGSB(Sync on Green)
- Input system auto detecting
- RGSB input loop through
- Sync polarity switchable between positive and negative
- Output brightness adjustable

Input	Output	Input Video Formats	Output Video Formats	Code
1x CV/RGBs Wire	1x DB9	NTSC/PAL/DECAM RGBs	Analogue RGSB/RGBs	CAR-1
2x CV/RGBs Wire	1x DB9	NTSC/PAL/DECAM RGBs	Analogue RGSB/RGBs	CAR-3



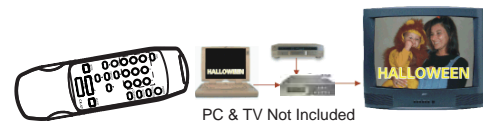
## PC TO VIDEO OVERLAY

### SUPER-IMPOSE PC GRAPHICS OVER A VIDEO IMAGE

The PC to Video overlay system is designed to overlay PC/Graphics on to video signal and also can convert a variety VGA sources to Video signal. It is ideal for using in applications like video conference, home theatre, business presentation and lecturing room.

- Superimpose PC text and graphics on to another video signal.
- Support VGA to Video conversion.
- VGA: 640 x 480, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200
- Video: NTSC, NTSC4.43, PAL, PAL-M, PAL-N or SECAM
- Support Zoom and Pan functions.
- Support vertical and horizontal overscan/underscan control.
- Automatically support frame rate conversion from 56Hz up to 85Hz.
- Cross-platform compatibility for PC, Mac® and Note book.
- Plug-and-Play design, no software driver required.
- Simultaneously display on the PC and TV monitor.
- Can adjust from front panel or remote control.

Input	Output	Scaler	Description	Code
PC & CV/SV	CV/SV	1600x1200px	PC to Video Overlay	CPT-1370



PC & TV Not Included

## PC TO YUV COLOUR SPACE CONVERTER

### RGBHV TO YPBPR COLOUR SPACE CONVERTER

The RGBHV to YPbPr Colour Space Converter is designed to convert PC RGB signal to YPbPr signal for display on HDTV/PDP/LCD TV. This device is built with a plug-n-play function for user's convenience and enables users to view PC graphic image on HDTV via YPbPr connector. Since the input signal is not scaled, the signal timing of input and output are the same.

- Simple to operate, plug and play.
- View PC image on component HDTV.
- Compatible with both interlaced and progressive RGB input.

Input	Output	Scaler	Description	Code
PC	YUV	No Scale/Sync	480p/720p colour space Converter	CP-264



## PC TO YUV

### 1600x1200 TO YUV

This is a scan converter box to convert a variety of computer image to Component signal. It supports input resolution up to UXGA (1600x1200@60Hz) and output resolution supports 480i or 576i. This is ideal for use in applications like video conference, home theatre, business presentation, lecturing room or viewing PC image on TV.

- Scale down the input PC image and convert it to Component signal.
- Supports high resolution PC input up to UXGA (1600x1200@60Hz).
- Supports output resolution: 480i or 576i.
- Easy to carry with palm size design.

Input	Output	Scaler	Resolution	Description	Code
PC	YUV	UXGA To 480i/576i	480i	1600x1200 to YUV	CPT-386





## YCbCr/SV/CV TO VGA SCALER

The CM-347ST is designed to convert Composite Video, S-Video, YCbCr, and RGBS signals to a variety of computer and HDTV resolutions. It accepts video input of all video systems - NTSC, PAL and SECAM. The CM-347ST has many great features to upgrade video source to high resolution PC or HDTV quality and is ideal for use in professional large screen presentation. High performance adaptive digital 4H Comb filter Y/C separator with adjustable vertical peaking. Motion compensated deinterlacing algorithms to produce artefact-free progressive scan video signal.

- Video inputs are 3D de-interlaced and scaled up to PC or HDTV output resolution
- Automatically accommodates worldwide input video systems of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, and SECAM
- High performance adaptive digital 4H Comb filter Y/C separator with adjustable vertical peaking
- Motion compensated deinterlacing algorithms to produce artifact-free progressive scan video signal
- Built in adaptive film mode 3:2 / 2:2 pull-down provides clear and crisp de-interlacing of video originating from 24 fps film, such as DVD movies
- Frame rate up conversion from 50 up to 85Hz
- Vertical temporal filter (VT) removes jaggy and other de-interlacing artifacts from normal video
- OSD menu with adjustable control on Colour, Sharpness, Brightness, Contrast and Tint (NTSC)
- Last memory for all adjustments



Input	Output	Upscaled TV Res.	Upscaled PC Res.	Downscaled TV Res.	Downscaled PC Res.	Frame Rate Conversion	Code
1x YCbCr, 1x SV, 1x CV	1x VGA/Component	1080i@50/60 (Pseudo)	SXGA@60	480p/576p	VGA@60	50/60	CM-347ST

## VIDEO TO VGA CONVERTER

### HIGH RESOLUTION SCREEN REFRESH CONVERTER [NOT CYPRESS]

Converts interlacing Composite & S-Video signals input to non-interlacing VGA signals. Flicker free display. Connect your STB, DVR, DVD, GAME CONSOLE to your computer VGA monitor. Supplied with power and cables. 1M RCA video cable, 1M VGA cable, 1M S-Video cable & 5VDC adaptor. Compact size 110x56x36mm.

- Input - Composite Video, S-Video & VGA (Loop through).
- Output - VGA.
- Refresh rate can be switched 60Hz - 75Hz.
- Unique PIP function for window size adjustment.
- 3D image noise reduction for ultra clear image.
- Resolution capability can be easily switched to:
  - 640x480/ 800x600/ 1024x768/ 1280x1024/ 1440x900/ 1680x1050

Code  
XGA02-1



## VGA TO VIDEO CONVERTER

### HIGH RESOLUTION VGA TO VIDEO/S-VIDEO [NOT CYPRESS]

VGA to Video converter with S-Video & Composite RCA output. Supplied with 1M RCA video cable, 1M VGA cable, 1M S-Video cable & 5VDC power adaptor. Size 110x56x36mm.

- Input - VGA.
- Output - Composite Video, S-Video & VGA.
- Input resolution 640x480 @ 60/72/75/85Hz, 800x600 @ 60/75Hz, 1024x768 @ 60/75Hz, 1280x1024 @ 60Hz.
- NTSC/NTSC-EIAJ/PAL-M/PAL-N/SECAM (via RGB out)
- Supports overscan & underscan display mode.
- Shows picture simultaneously on TV & Monitor.

Code  
XGA-03



## COMPONENT VIDEO TO CV/SV CONVERTER

### SCALE DOWN & TIMING

This is a HD to Video with HD bypass scan converter box. It is designed to convert a variety of HD images, from 480p up to 1080p and converts them to NTSC or PAL standards video and HD images bypass. Simply use switch to select NTSC/PAL output format, users also can adjust the overscan/underscan from the front panel. It is ideal for modern use in older technologies, recording to VCR, watch on CRT-TV, etc.

- Supports high resolution HD input from 480p up to 1080p.
- Supports component (YPbPr) input and scale down to Composite video/S-video output or HD bypass.
- Switch between NTSC/PAL
- Image Overscan/Underscan selection.
- Easy to install and to operate.

Input	Output	Downscaled TV Res.	Frame Rate Conversion	Code
YUV	CV/SV	NTSC/PAL	50/60	CPT-387HD







## YUV TO PC/RGB COLOUR SPACE CONVERTER

### COMPONENT TO RGB COLOUR SPACE CONVERTER

Component to RGB colour Space Converter is a plug-n-play component (YPbPr/YCbCr) to RGBHV colour space converter. It allows you to view HDTV programs from your DVD players, video games or HDTV Set Top Box on the PC monitors or projectors via PC VGA input.

- Simple to operate, plug and play.
- Hot plug-n-play
- Supports all component interlaced and progressive formats.
- Output is RGBHV on HD-15 connector.
- Most of PC monitors accept multi-sync input and can lock onto the signal timing of the device's RGB output and show picture



Input	Output	Scaler	Description	Code
YUV	RGBHV	Sync Converter	Component to RGB colour space converter	CP-265

## COMPONENT/RGB TO PC CONVERTER

### COMPONENT/RGBHV, RGB H+V or RGsB TO PC CONVERTER

Converts CGA (RGB) or Component (YCbCr) format to HD15 out. 3 PC modes of VGA/XGA and WXGA are available for output. It enables you to connect your RGB or YCbCr signal source such as game boards to a PC display. Inbuilt scaler and frame rate converter.

- Accepts RGB or YCbCr format and converts to PC format.
- Scales CGA/Component YCbCr 480i/576i up to VGA/XGA/WXGA
- 50/60Hz frame rate conversion ensures glitch-free display.
- RGBHV, RGB H+V or RGsB (sync. on G)
- Play video games on your PC monitors.
- Automatic 3:2/2:2 film mode detection.
- High-resolution output picture.
- Plug & Play - No driver software required, easy to install.



Input	Output	Scaler	Description	Code
RGB/YUV	PC	WXPA	Component/RGB to 1280x768px	CM397M

## SCART-RGB TO VGA SYNC SEPARATOR

### SCART-RGB TO HD15 RGB-HV

Not a scaler or format converter. Electronically separates the Horizontal and Vertical Sync information from RGB (SCART) connection for HD15 devices such as LCD & Plasma TVs, Projectors, Monitors, etc. Compact. Convenient. Input is SCART. Output is RGB-HV HD15. No audio.

- Operates in PAL, PAL M, PAL N, NTSC, NTSC 4.43, SECAM.
- Enhances picture quality by utilising RGB input of your TV.
- Ideal for use with TVs that accepts 15KHz RGB input.



Input	Output	Scaler	Description	Code
SCART RGB	RGB-HV	No	Sync Separator	CSR-2200

## CCTV QUAD SCREEN

### MULTI CHANNEL DISPLAY \*NOT A CYPRESS PRODUCT\*

Split one screen in to four displays so as to watch four cameras simultaneously on one display. Powerful features include freeze and selectable area digital zoom, time/date overlay for legally documenting the exact time and date of incidents. Motion detect with digital analysis of display. Puts an alert on the screen and logs the event for future retrieval. Full-feature remote controlled with on screen display menu. Simple plug and play, quick to install.

Input	Output	Description	Code
CV x4 BNC	CV x1 BNC	Quad screen splitter & Freeze	QUAD100







## DIGITAL A/V EFFECTS MIXER

The CMX-12/CMX-112 is a high-quality Standard and High Definition Digital Audio/Video Mixer. Each input BUS supports up to 6 inputs (2xHDMI, 2xComponent (SD/HD), 2xS-Video and Composite video). Effects can be added such as wipes, fades, mixes and special digital effects. Note: When the selected source input is not connected or has HDCP protection, only a black screen will be displayed.

- Selective size and position for digital effects area and PIP windows
- Automatic fade and wipe with speed preset control
- Digital effects-Still, Mosaic, Paint, Negative
- 96 wipe patterns
- Chroma key & Luminance key
- High Picture Quality
- 3x8 back colour
- Joystick control for digital effect position
- Fade control for Video and Audio
- Video and Audio mixing
- 1xHDMI source inputs
- 2xComponent, 2xComposite and S-Video source inputs
- 1xHDMI recording, 2xComponent recording outputs
- 1xComposite and S-Video recording outputs
- 1xComposite and S-Video preview outputs (OSD)
- Auxiliary audio input
- Microphone input and headphone output
- Picture and Picture control (3 window sizes)
- Each A/B BUS can adjust the Contrast, Brightness, Colour, HUE, Detail and Aspect Ratio
- Supports Lip-Sync delay up to 170ms
- Composite supports 3D comb filter and YC separation
- Motion and Edge Adaptive De-interlacing



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Code
2xHDMI, 2xComponent Video, 2xSV, 2xCV	1xHDMI, 2xComponent Video, 2xSV, 2xCV	Digital RGB/YUV, Analogue YUV, NTSC/PAL	Digital RGB/YUV	480i-1080p	CMX-12
2xHDMI, 2xComponent Video, 2xSV, 2xCV	1xHDMI, 2xComponent Video, 2xSV, 2xCV	Digital RGB/YUV, Analogue YUV, NTSC/PAL	Digital RGB/YUV	480i-1080p	CMX-112

## ANALOGUE VIDEO MIXER

Digital processor control. Premium grade picture quality & effects. Video Production, Karaoke Lounge, Corporate or personal tape making. 4 video inputs-2 composites and 2 S-Video. 50dB S/N Ratio. 2-channel full-field digital synchronization. Audio & Video Fade controls. Special effects in each of A/B program buses. 2 Video inputs mixable with composite and S-Video sources. 2 Audio/Video and S-Video recording outputs. Digital effects-Still, Strobe, Mosaic, Paint, Negative. Chroma key and Luminance key. Selective size and position for digital effects area and PIP windows. Picture in Picture control. (3 window sizes) Joystick control for altering the position of digital effect. 96 wipe patterns. 8 different selective back colours. Compatible with Cypress CPT370 PC to Video Overlay.

- Four Video Inputs-2 composite and 2 S-Video
- Digital effects-STILL,STROBE,MOSAIC,PAINT,NEGATIVE
- 96 wipe patterns
- Chroma Key & Luminance Key
- High resolution picture quality
- 8 back colours
- Joystick control for digital effect position
- Fade control for Video and Audio
- Audio and Video mixing
- Picture in picture control (3 window sizes)
- 2 Audio/Video and S-Video source inputs
- 2 Audio/Video and S-Video source outputs
- Auxiliary audio input
- Microphone input and Headphone output

Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Code
2xSV, 2xCV	6xSV, 2xCV	NTSC/PAL	NTSC/PAL	480i/576i	CMX07







## □ PAL-NTSC Converters

### PAL/NTSC SYSTEM CONVERTER DIGITAL TBC

CDM-831T Multi-system Converter provides broadcast quality conversion between numerous worldwide broadcast television standards N3, N4, PAL, PAL M, PAL N, Secam.- Built-in TBC Genlock capability for synchronising multiple asynchronous video sources.

- Two sets of video and S-VHS inputs
- One output for each of composite video, S-VHS and Y, B-Y, R-Y
- Input system auto detection
- Digital conversion from input TV signals of
- NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM
- Digital comb filter for input system decoding
- Built-in Time Base Correction (T.B.C) function for signal synchronization
- Built-in automatic gain control (A.G.C) function ensures 1 Vp-p output signal (input level can range from 0.5 Vp-p to 2 Vp-p)
- Full digital decoding and encoding; highly integrated digital processing reduces the board size and ensures reliable quality
- A colour-bar pattern will automatically appear on the TV screen when there is no video signal present on the input
- TBC is active constantly, even in the bypass mode
- Built-in TBC/Genlock capability for synchronizing multiple asynchronous video sources
- Adjustable control on contrast, brightness, colour, tint, sharpness, backcolour, sub-carrier and Horizontal/Vertical phase of TBC video



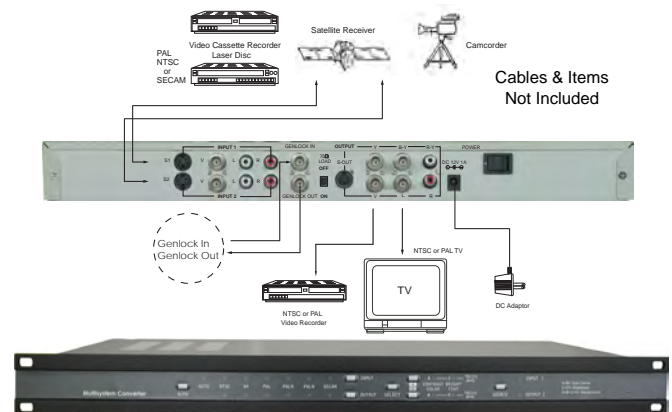
Input	Output	Input Video Formats	Output Video Formats	Code
2x SV, 2x CV	2x SV, 2x CV	NTSC 3.58/NTSC 4.43/ PAL/ PAL-M/ PAL-N SECAM	NTSC 3.58/NTSC 4.43/ PAL/ PAL-M/ PAL-N SECAM	CDM-831T

### PAL/NTSC SYSTEM CONVERTER DIGITAL TBC (19" RACK MOUNT)

#### PROFESSIONAL GRADE WITH TBC/GENLOCK

CDM-831TR Multi-system Converter provides broadcast quality conversion between numerous worldwide broadcast television standards N3, N4, PAL, PAL M, PAL N, Secam.- Built-in TBC Genlock capability for synchronising multiple asynchronous video sources.

- Two sets of video and S-VHS inputs. Input system auto detection.
- One output for each of composite video, S-VHS and Y, B-Y, R-Y.
- Digital conversion from input TV signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM.
- Digital comb filter for input system decoding.
- Built-in Time Base Correction function for signal synchronization.
- Built-in automatic gain control (AGC) function ensures 1 Vp-p output signal (input level can range from 0.5 Vp-p to 2 Vp-p).
- Full digital decoding and encoding; highly integrated digital processing
- A colour-bar pattern will appear when there is no video signal present.
- TBC is active at all time, even in the bypass mode.
- Built-in TBC. Genlock for synchronising multiple video sources.
- Adjustable control on contrast, brightness, colour, Tint.
- Horizontal/Vertical phase of TBC video.



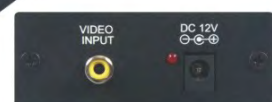
Input	Output	Scaler	Description	Code
2x SV, 2x CV	1x SV, 1x Component/CV	Digital Field & Line	Worldwide Super Multi-system Converter with TBC/GENLOCK (Rack mounted)	CDM831-TR

### PAL/NTSC SYSTEM CONVERTER DIGITAL CV

#### NTSC/PAL/SECAM

RCA Composite Video In/Out in a compact 12Vdc package. Automatically accepts any video system input and then converts it to a system as selected by dip switches. Premium picture quality and stability from Cypress using digital conversion and filtering technologies 6 Meg buffer for jitter-free 8 Bit RGB Conversion 13.5MHz 50/60Hz frame rate conversion 525/625 full resolution Low noise metal cased RCA Socket to Socket.

Input	Output	Scaler	Description	Code
1xCV	1xCV	Digital Field & Line	Multi-system Video Converter	ADC-660





## PAL/NTSC SYSTEM CONVERTER DIGITAL CV/SV

### Digital Multi-Scan Converter to NTSC & PAL

Multi-system Converter provides best conversion picture between numerous worldwide broadcast television standards N3, N4, PAL, PAL M, PAL N, Secam. Built-in TBC Genlock capability for synchronising multiple asynchronous video sources.

- Y/C input and output provides best conversion picture.
- Convert any video system to any other video systems.
- Input video system is auto detected
- Digital conversion from input TV signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N.
- 8-bit broadcast quality colour decoding.
- Digital comb filter for input system decoding.
- Built-in Time Base Correction function for signal synchronization.
- Built-in Automatic Gain Control (AGC) function ensures 1 Vp-p output signal (Input level can range from 0.5Vp-p to 2Vp-p).
- Full digital decoding and encoding; highly integrated digital processing reduces the board size and ensures reliable quality.
- A colour-bar pattern will automatically appear on the TV screen when there is no video signal present on the input.
- TBC is active constantly, even in the bypass mode.
- Adjustable control on Contrast, Brightness, Colour, Tint.



Input	Output	Scaler	Description	Code
1xSV, 1xCV	1xSV, 1xCV	Digital Field & Line	Digital Multi-Scan Converter with TBC	CDM-640A

## TV SYSTEM CONVERTER WITH TBC

Convert any video system to any other video systems. Input video system auto detected. Digital conversion from input TV signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N. 8 bit broadcast quality colour decoding. Digital comb filter for input system decoding. Built-in Time Base Correction(T.B.C.) function for signal synchronization. Built-in Automatic Gain Control(A.G.C.) function ensures 1 Vp-p output signal (Input level can range from 0.5Vp-p to 2 Vp-p). Full digital decoding and encoding; highly integrated digital processing reduces the board size and ensures reliable quality. A colour-bar pattern will automatically appear on TV screen when there is no video signal present on the input. TBC is active constantly, even in the bypass mode. Adjustable control on Contrast, Brightness, Colour, and Tint.

- Convert any video system to any other video systems
- Input video system auto detected
- Digital conversion from input TV signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N
- 8 bit broadcast quality colour decoding
- Digital comb filter for input system decoding
- Built-in Time Base Correction(T.B.C.) function for signal synchronization
- Built-in Automatic Gain Control(A.G.C.) function ensures 1 Vp-p output signal (Input level can range from 0.5Vp-p to 2 Vp-p)
- Full digital decoding and encoding; highly integrated digital processing reduces the board size and ensures reliable quality
- A colour-bar pattern will automatically appear on TV screen when there is no video signal present on the input
- TBC is active constantly, even in the bypass mode
- Adjustable control on Contrast, Brightness, Colour, and Tint



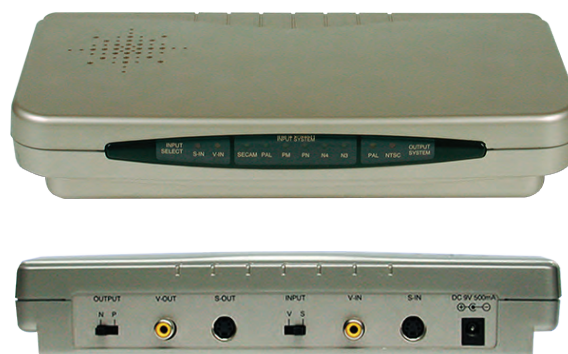
Input	Output	Input Video Formats	Output Video Formats	Code
1xSV, 1xCV	1xSV, 1xCV	NTSC 3.58/NTSC 4.43 PAL/ PAL-M/PAL-N, SECAM	NTSC 3.58/NTSC 4.43, PAL/PAL-M/PAL-N	CDM-640AR

## MULTI-SYSTEM VIDEO CONVERTER

### MULTI-SYSTEM VIDEO CONVERTER

CDM-660 allows you to convert between any worldwide television standards.

- Built-in Colour bar.
- Input auto detecting.
- Digital conversion from input TV signal of NTSC, N4, PAL, PAL M, PAL N, SECAM to output signals of NTSC, PAL.
- Digital line (525 <-> 625 lines) and field (60 <-> 50 field) conversion.
- Input/Output video: Composite or S-Video.
- Full digital processing: 6M bit field memory (but not fully used).



Input	Output	Scaler	Description	Code
1xSV, 1xCV	1xSV, 1xCV	Digital Field & Line	Multi-system Video Converter	CDM-660





## TV SYSTEM CONVERTER WITH FRAME SYNC AND TBC

Restores distorted or de-shaped vertical and horizontal sync. and colour burst. Eliminate picture jittering and ensure stable image on screen through Dual-field full-frame reconstruction. Correct time error of video that normally associated with VCR source. Adjust Brightness, Colour, Tint, Sharpness and Contrast to improve video picture. A true multisystem Time Base Corrector automatically processes video input of any systems-NTSC, NTSC 4.43, PAL, PAL M, PAL N, SECAM. Digital comb filter for input Y/C separation offers best output quality. Built-in automatic gain control (AGC) ensures 1 Vp-p output signal (input level ranges from 0.5 Vp-p to 2 Vpp). Automatically sending out colour bar patterns when there is no video signal presents on the input. Digital conversion from input TV signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM. Ideal for use in rectifying any video errors and abnormal picture.



- Restores distorted or de-shaped vertical and horizontal sync. and colour burst
- Eliminate picture jittering and ensure stable image on screen through Dual-field full-frame reconstruction
- Correct time error of video that normally associated with VCR source
- Adjust Brightness, Colour, Tint, Sharpness and Contrast to improve video picture
- A true multisystem Time Base Corrector automatically processes video input of any systems-NTSC, NTSC 4.43, PAL, PAL M, PAL N, SECAM
- Digital comb filter for input Y/C separation offers best output quality
- Built-in automatic gain control (AGC) ensures 1 Vp-p output signal (input level ranges from 0.5 Vp-p to 2 Vpp)
- Automatically sending out colour bar patterns when there is no video signal presents on the input
- Digital conversion from input TV signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM
- Ideal for use in rectifying any video errors and abnormal picture

Input	Output	Input Video Formats	Output Video Formats	Code
1xSV, 1xCV	1xSV, 1xCV	NTSC 3.58/NTSC 4.43, PAL/ PAL-M/PAL-N, SECAM	NTSC 3.58/NTSC 4.43, PAL/PAL-M/PAL-N, SECAM	CDM-680

## PC/SV/CV VIDEO OVERLAY PROCESSOR

The PC to Video Overlay System is designed to overlay a PC/ Graphics signal onto a Video signal or vice versa. It has the added feature of converting a variety of VGA sources to a Video signal. It is ideal for use in applications like video conferencing, home theatre, business presentations and lecture hall.

- Superimpose PC text and graphics onto another video signal or superimpose a Video signal onto a VGA source
- Supports VGA to Video conversion:
  - VGA: 640x480, 800x600, 1024x768, 1280x1024, 1600x1200
  - Video: NTSC, NTSC4.43, PAL, PAL-M, PAL-N or SECAM
- Supports PC and Video picture adjustment
- Supports Key adjust and PC aspect
- Supports Zoom and Pan functions
- Supports Vertical and Horizontal Overscan/Underscan control
- Automatically supports frame rate conversion from 56Hz up to 85Hz
- Cross-platform compatibility for PC or Mac
- Plug-and-Play design, no software driver required
- Simultaneous video outputs
- Can be controlled from the front panel, RS-232 or remote handset
- Note: This system does not support conversion from one video format to another i.e. NTSC to PAL.



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
1xVGA, 1xSV, 1xCV	1xVGA, 1xSV, 1xCV	Analogue RGBNTSC/PAL	Analogue RGBNTSC/PAL	NTSC/PAL	VGA-UXGA	CPT-2370





## PAL/NTSC SYSTEM CONVERTER ANALOGUE

This analogue version converts the colour information from NTSC to PAL. The rest of the picture signal is maintained. This includes the line and refresh frequencies. This unit is designed for one way operation for Playback of any NTSC source, (Tape, Disk, Satellite, etc.) on a PAL television. The resulting signal is PAL colour with 525 lines (not 625) at 60Hz (not 50). This may result in a picture with a black band on the top & bottom of the screen. Most TVs are compatible with 50 & 60Hz vertical frequencies, but since they were made for Australia, do not contain the NTSC colour interpreter. This converter will be compatible with those units, and therefore suitable with most modern TV sets. For older sets it may be necessary to adjust the vertical hold or to resize the picture height correctly.

Input	Output	Scaler	Description	Code
CV(NTSC)	CV(PAL)	No. (Analogue)	NTSC to PAL	CN-100P

Power pack included.



## CHROMA KEY PROCESSOR

The Chroma Key Processor supports Video or S-Video as the main source and the other Video or S-Video input as the background source. The background sources along with 6 background colours chroma key effects. The main source can stand in front of the background source and using the chroma key to take off the background colours to perform the different colour effects. Also, using level adjust knob to control the colour effect levels.

- Supports different systems: NTSC 3.58, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM
- Support Key or Luma level:
- - Phase keying: Red, Green and Blue chroma key
- - Luma Keying: Blue, Black and White
- Input sources support: Key source and Background source with Video and Video inputs
- Support adjust knob to control Background colour effect levels



Input	Output	Input Video Formats	Output Video Formats	Supported TV Resolutions	Supported PC Resolutions	Code
2xSV, 2xCV	2xSV, 2xCV	NTSC/PAL	NTSC/PAL	NTSC/PAL	-	CBK-10

- ☐ AV Splitters . . . . . 31
- ☐ AV Switches . . . . . 45
- ☐ AV Switching Splitters . . . . . 52
- ☐ AV Matrix Switches . . . . . 55
- ☐ AV Extenders . . . . . 71
- ☐ IR Extenders . . . . . 112
- ☐ AV RF . . . . . 116
- ☐ AV Format Converters . . . . . 124







## □ Mounting Brackets

## □ ProLink Media Brackets

**prolink**



### 30Kg SUPER SLIM FIXED WALL MOUNT

#### SUPPORT 13"-27" LCD DISPLAY

Low-profile wall mount is just 15mm from the wall. The two pieces design allows easy installation. It supports most 13"-27" flat panel TVs up to 30kgs/66lbs. Strength has been tested for a minimum of three times its stated load capacity. VESA compatible with 50x50, 75x75 and 100x100.

VESA	100x100
Colour	Black
Size	15x140x120mm
Code	BKT1340



### 30Kg SUPER SLIM FIXED WALL MOUNT

#### SUPPORT 23"-42" LCD DISPLAY

Low-profile wall mount is just 18mm from the wall. The two pieces design allows easy installation. It supports most 23"-42" flat panel TVs up to 30kgs. Strength has been tested for a minimum of three times its stated load capacity. VESA compatible with 50x50, 75x75, 100x100, 200x100 and 200x200.

VESA	200x200
Colour	Black
Size	18x265x220mm
Code	BKT1345



### 30Kg TILTABLE WALL MOUNT

Swing & Tilt full motion wall brackets for 17"-37" TV. Suits VESA 50x50, 75x75, 100x100, 200x100, 200x200. 108mm off the wall. Supports flat panel TV's up to 30kgs.

VESA	200x200mm
Colour	Black
Code	BKT1330

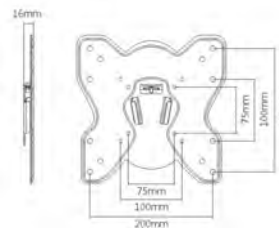


### 30Kg COMPACT SLIM FIXED TV WALL MOUNT

#### SUPPORT 23"-42" LCD DISPLAY

Ultra slim wall mount is just 16mm from the wall. The two pieces design allows easy installation. It supports most 23"-42" flat panel TVs up to 30kg. VESA compatible with 75x75, 100x100, 200x100 and 200x200.

VESA	200x200
Colour	Black
Size	243x240x16mm
Code	BKT1350

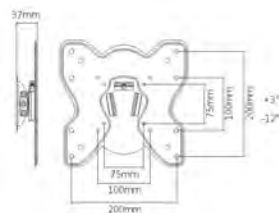


### 30Kg COMPACT SLIM TILT TV WALL MOUNT

#### SUPPORT 23"-42" LCD DISPLAY

Tilting provides effortless adjustment of viewing angle without the use of tools. Its two pieces design allows easy installation. VESA compatible with 75x75, 100x100, 200x100 and 200x200.

VESA	200x200
Colour	Black
Size	243x240x36mm
Code	BKT1355

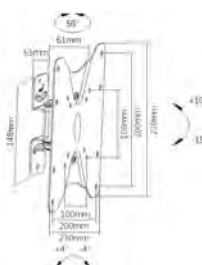


### 25Kg TILT AND SWIVEL TV WALL MOUNT

#### SUPPORT 23"-42" LCD DISPLAY

Pivoting construction allows tilt, swivel and extend your TV up to 60mm from the wall for easy viewing from any seat in a room. Slide-in VESA plate ensures easy installation. VESA-compatible fits 75x75, 100x100, 200x100 and 200x200 hole patterns.

VESA	200x200
Colour	Black
Size	230x230x61mm
Code	BKT1360





## 20Kg TILTABLE WALL MOUNT

Swing & Tilt full motion wall brackets for 23"-42" TV. Suits 75x75, 100x100, 200x100, 200x200. 96mm off the wall. Supports flat panel TV's up to 20kgs

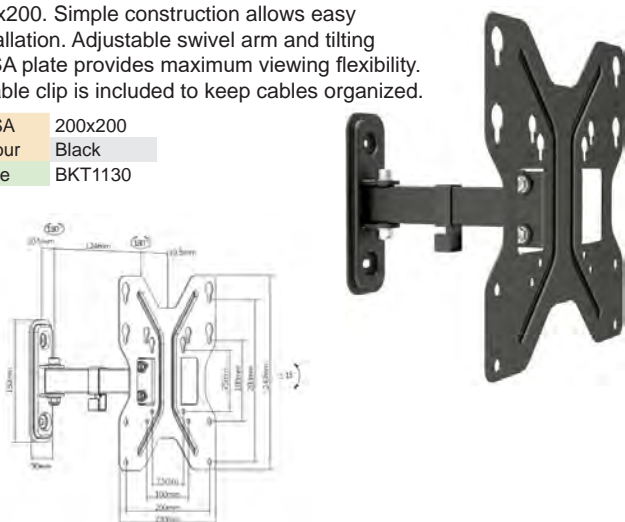
VESA 200x200mm  
Colour Black  
Code BKT1320



## 30KG LOW PROFILE TILTABLE WALL MOUNT

Swing & Tilt full motion wall brackets for 23"-42" Flat Panel TV. VESA 75x75, 100x100, 200x100, 200x200. Simple construction allows easy installation. Adjustable swivel arm and tilting VESA plate provides maximum viewing flexibility. A cable clip is included to keep cables organized.

VESA 200x200  
Colour Black  
Code BKT1130



## 20Kg ARTICULATED WALL MOUNT

Extendable full motion wall brackets for 17"-37" TV. Suits VESA 75x75, 100x100, 200x100, 200x200. 118-456mm up to 20kgs.

VESA 200x200mm  
Colour Black  
Code BKT1220

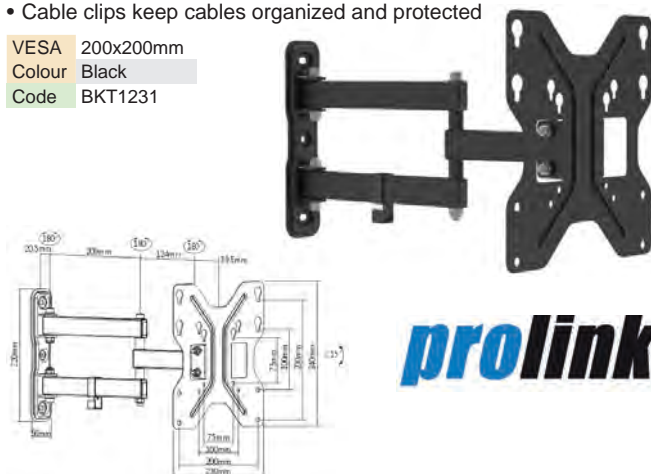


## 30Kg TILTABLE CANTILEVER WALL MOUNT

The low profile wall mount is designed to fit any 23"-42" Flat Panel TV up to 30kgs.

- Freely tilting allows easy TV angle adjustment
- Adjustable swivel mount provides maximum viewing flexibility
- Key hole VESA plate allows easy installation of TVs
- Cable clips keep cables organized and protected

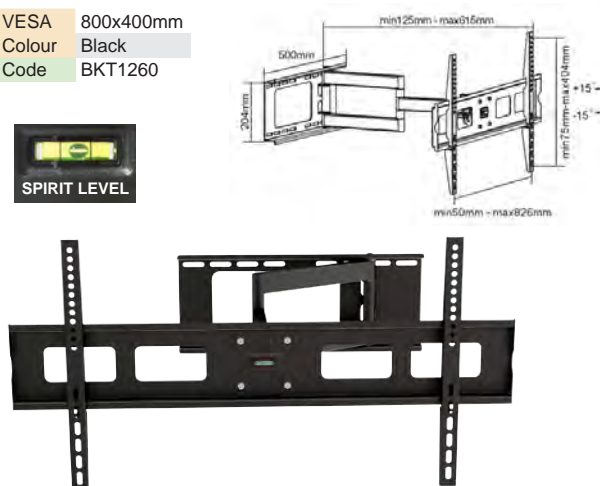
VESA 200x200mm  
Colour Black  
Code BKT1231



## 45Kg LONG REACH WALL MOUNT

Full motion wall brackets for 37"-63" TV. Universal hole patterns 826 x 404mm. Suits VESA 200x200, 400x200, 400x400, 600x400, 800x400. Supports flat panel TV's up to 45kgs.

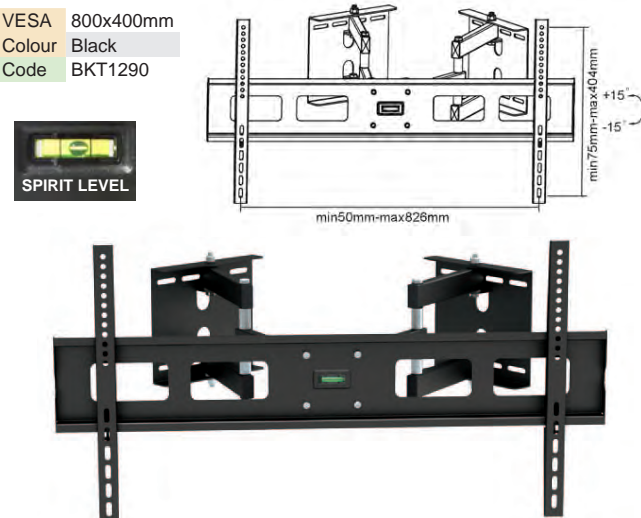
VESA 800x400mm  
Colour Black  
Code BKT1260



## 60Kg CORNER WALL MOUNT

Full motion wall brackets for 37"-63" TV. Suits VESA 200x200, 400x200, 400x400, 600x400, 800x400. Supports up to 60kgs.

VESA 800x400mm  
Colour Black  
Code BKT1290



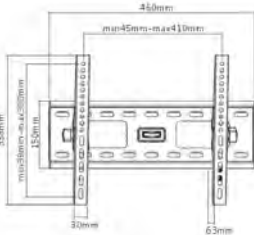




## 75Kg WALL MOUNT TILTABLE

Designed to fit any 32"-55" Flat Panel TV up to 75kgs. This unit mounts in tilting position and tilts up to a 10° to position the screen for an optimal viewing experience. Integrated bubble level is included for easy installation alignment.

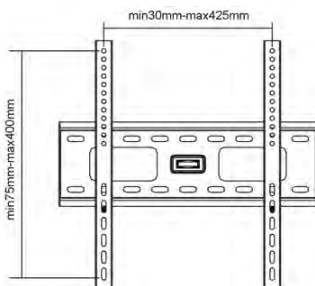
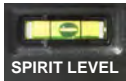
VESA 300x300  
Code BKT1051



## 75Kg WALL MOUNT

Fixed flat with inbuilt spirit level.  
36mm depth.

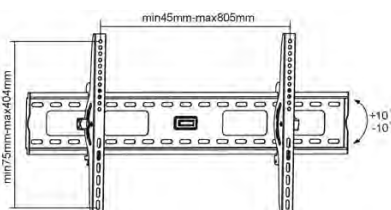
Suits 26"-47"  
VESA 400x400  
Weight 75Kg  
Code BKT1060



## 75Kg WALL MOUNT LARGE

Tilt wall brackets for 37"-63" TV. Universal hole patterns 805x404mm. Suits VESA 100x100, 200x100, 200x200, 400x200, 400x400, 600x400, 800x400. 63mm off the wall. Supports up to 75kgs.

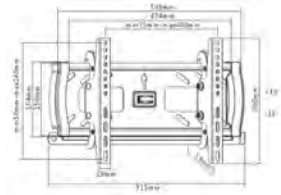
VESA 800x400mm  
Colour Black  
Code BKT1070



## ANTI-THEFT TILTING WALL MOUNT

Designed to fit any 32"-55" Flat Panel TV up to 45kgs. Tilts up to a 15° to position the screen for an optimal viewing experience. Strength has been tested for a minimum of four times its stated load capacity. The locking bar provides anti-theft function which will require a padlock. It also has side decorative caps for an elegant look.

VESA 400x200  
Code BKT1037

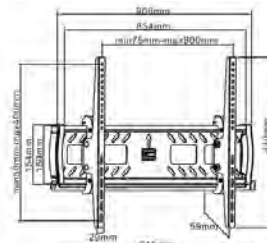


REQUIRES  
PADLOCK

## 45Kg WALL MOUNT TILT

Deluxe system with spirit level.  
59mm depth and +/- tilt and anti-theft design.

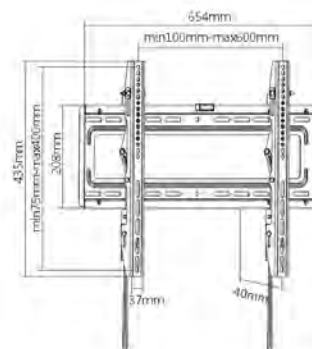
Suits 37"-70"  
VESA 800x400  
Weight 45Kg  
Tilt -15° +10°  
Code BKT1039



## 50kg COMPACT FIXED WALL MOUNT

Designed to fit any 37"-70" curved & flat panel TVs up to 50Kg. Tilting for 12° down for viewing  
Auto click-in spring lock & release cord.

VESA 600x400  
Colour Black  
Code BKT1096



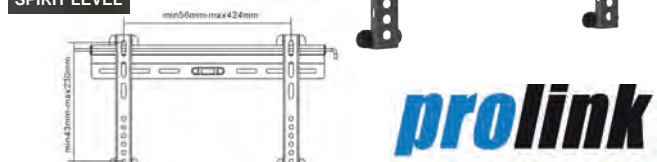
**prolink**



## 45Kg SUPER SLIM FIXED WALL MOUNT

Fixed wall brackets for 23"-42" TV. Universal hole patterns 424x230mm. Suits VESA 100x100, 200x100, 200x200, 400x200. 19mm off the wall. Supports flat panel TV's up to 45kgs. Inbuilt spirit level.

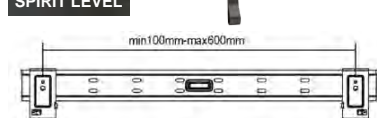
VESA 400x200mm  
Colour Black  
Code BKT1410



## 50Kg ULTRA THIN WALL MOUNT

Fixed wall brackets for 32"-60" TV. Universal hole patterns up to 600x600mm. 14.5mm off the wall. Supports flat panel TV up to 50kgs. Inbuilt spirit level.

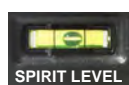
VESA 600x600mm  
Colour Black  
Code BKT1420



## 65Kg FLAT TO WALL

Super low profile mounting solution of only 9mm depth. Inbuilt spirit level.

Suits 37"-70"  
VESA 800x400 max  
Holds 65Kg  
Code BKT1431



## 65KG FIXED MOUNT WALL BRACKET

Designed to fit medium to large 37-70" Flat Panel TV up to 65kg. Universal mounting pattern up to 824x410 mm (WxH) Max VESA 800x400mm With lock system Max Load 65kg

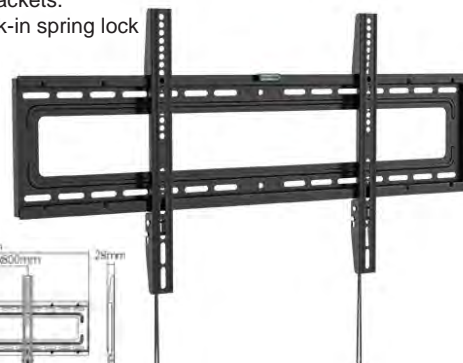
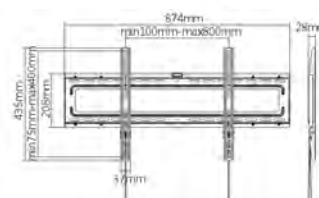
Suits 37-70"  
VESA 800x400 max  
Weight 65kg max  
Code BKT1441



## 50kg FIXED WALL MOUNT

Designed to fit any 37"-70" curved & flat panel TVs up to 50Kg. Solid heavy-gauge steel construction offers a sleek, high-tech look while providing strength and durability. Adjustable lateral brackets. Its automatically click-in spring lock easily-release cord.

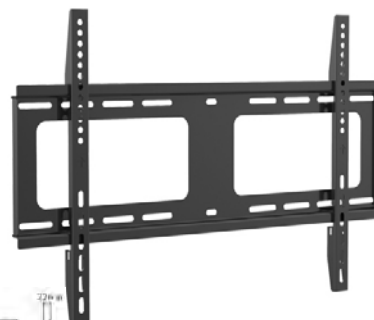
VESA 800x400  
Colour Black  
Code BKT1083



## 80Kg LOW PROFILE FIXED WALL MOUNT

Low 22mm mounting profile supports most 37"-70" flat panel TVs up to 80kgs. Sleek and slim design with super solid construction. Strength has been tested for a minimum of four times its stated load capacity.

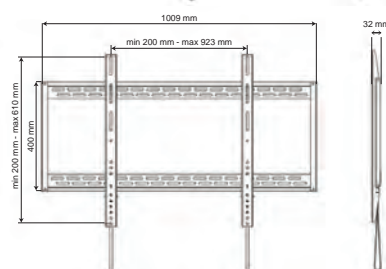
VESA 600x400  
Code BKT1091



## 100Kg EXTRA LARGE FIXED WALL MOUNT

Designed to fit large 60"-100" Flat Panel TV up to 100kgs/220lbs. Its automatically click-in spring lock with easily-release cord easily and securely attaches your super large flat panels to wall. Made with durable steel to support heavy load.

VESA 600x900 max  
Colour Black  
Suits 60-100"  
Code BKT1097





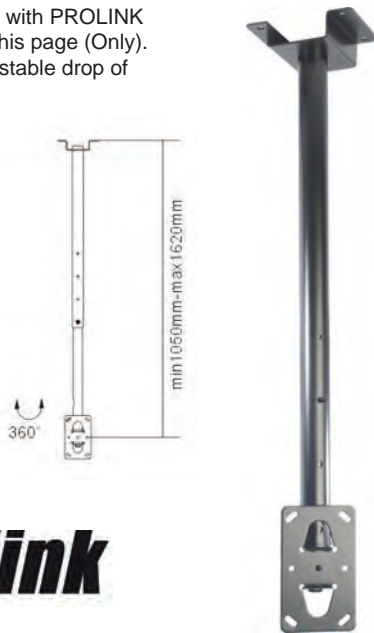


## 80Kg ADJUSTABLE CEILING MOUNT MAST

Ceiling bracket for use with PROLINK brackets as found on this page (Only). 360° rotation with adjustable drop of 1050mm to 1620mm.

Colour Black  
Code BKT1030

Compatible with:  
BKT1800  
BKT1075  
BKT1011  
BKT1055  
BKT1021

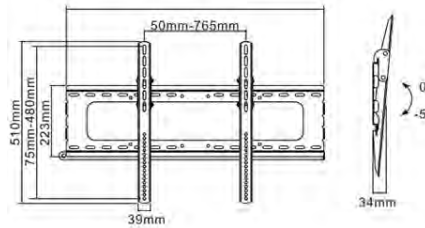
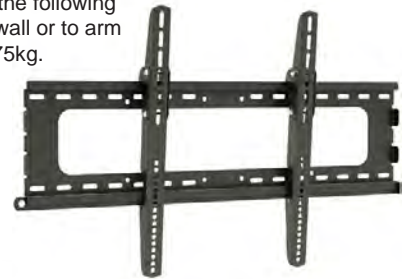


**prolink**

## 75Kg WALL MOUNT

Fixed wall bracket, with lock system. Suits to 37"-70" TV. Mount the following bracket either directly to a wall or to arm extension. Supports up to 75kg.

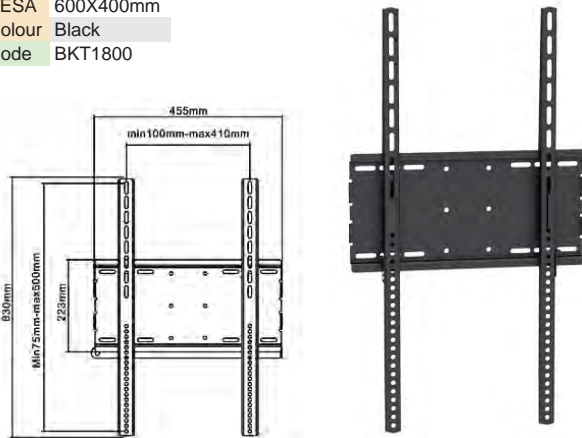
Suits 37" - 70"  
VESA 600x400  
Weight 75Kg  
Code BKT1011



## 75Kg PORTRAIT VERTICAL WALL MOUNT

Fixed wall brackets for 32"-60" TV. Suits VESA 100x100, 200x100, 200x200, 400x200, 400x400 400x600. Low profile of only 33mm off the wall. Supports flat panel TV's up to 75kg.

VESA 600X400mm  
Colour Black  
Code BKT1800

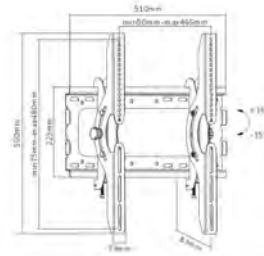


## 75Kg WALL BRACKET TILTING

### LARGE SCREEN UP TO 55"

Tilts up to a 15° to position the screen for optimal viewing experience. Compatible with VESA hole up to 400x400.

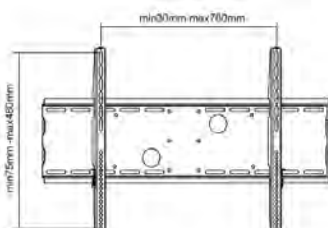
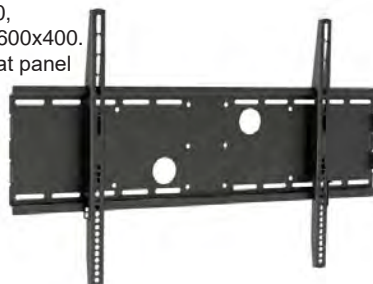
VESA 400x400  
Colour Black  
Size 83x510x500mm  
Code BKT1055



## 75Kg WALL MOUNT

Fixed wall brackets for 32"-60" TV. Suits VESA 100x100, 200x100, 200x200, 400x200, 400x400, 600x400. 32mm off the wall. Supports flat panel TV's up to 75kgs.

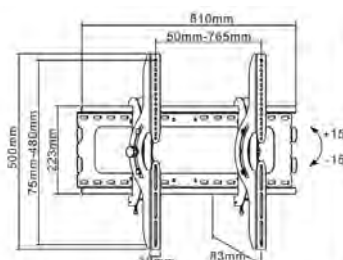
VESA 600x400mm  
Colour Black  
Code BKT1075



## 75Kg WALL MOUNT TILT

Universal mounting pattern. Suits to 37" to 70" TV with ±15° tilt. Mount the following brackets either directly to a wall or to arm extension. Supports up to 75kg.

Suits 37-70"  
VESA 600x400  
Weight 75Kg  
Tilt +15° -15°  
Code BKT1021



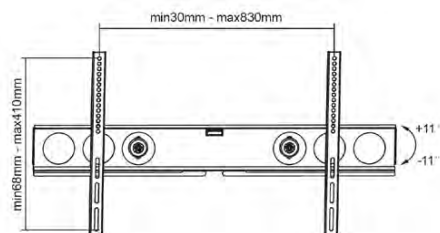
**prolink**



## 50Kg TILTABLE WALL MOUNT

Flat screen wall mount for 37"-63" TV with +11°/-11° tilt & locking bar. Suits VESA 200x200, 400x200, 400x400, 600x400, 800x400. 73mm off the wall. Supports flat panel TV's up to 50kgs.

Suits 37"-63"  
VESA 800x400  
Colour Black  
Code BKT1040



## DESKTOP DUAL SCREEN MONITOR ARM 8Kg (x2)

### ARTICULATED + HEIGHT ADJUSTMENT

- Monitor height can be fine-tuned by turning the adjustment knob
- Cable clips keep cables organized and protected
- Available for freely adjusting height without tools
- 360° rotate and +30°~-30° tilt VESA plate design

Suits 13"-27"  
VESA 100x100  
Colour Black  
Code BKT2602

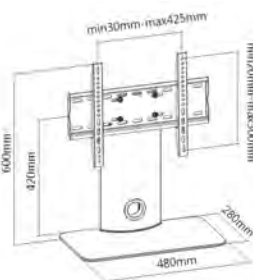


**prolink**

## 23"-47" UNIVERSAL SWIVEL DESK MOUNT FOR TV

BKT1810 is a TV desk mount with striking look that complements modern AV components. High-quality construction and open architecture maximize airflow provide the enhanced strength needed to handle televisions up to 47". Features include a sleek, durable tempered-glass shelf and a cable management.

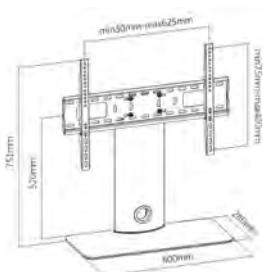
VESA 400x300  
Weight 40kg  
Suits 23-47"  
Code BKT1810



## 42"-55" UNIVERSAL SWIVEL DESK MOUNT

BKT1820 is a TV desk mount with striking look that complements modern AV components. High-quality construction and open architecture maximize airflow provide the enhanced strength needed to handle televisions up to 55". Features include a sleek, durable tempered-glass shelf and a cable management.

Suits 42-55"  
VESA 600x400  
Weight 40kg  
Code BKT1820

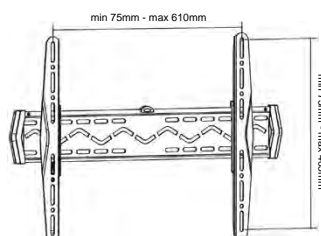


## Daichi Stands

### 50Kg WALL MOUNT

Excellent price point solution. Black powder coated steel Spring-release/locking catches with convenient pull cord Tilts by 5° for rear access Built-In Spirit level. Low 17mm profile. 44 piece bolt kit.

Suits 37"-70"  
VESA 600x400  
Weight 50Kg  
Code BKT8461

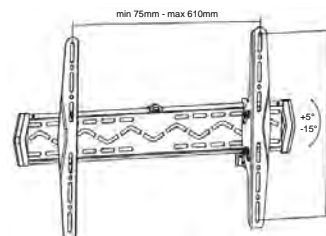


**daichi**

### 50Kg WALL MOUNT TILT

Excellent price point solution Black powder coated steel Tilt +5° -15°. 57mm standoff Optional padlock security Built-In Spirit level. Low 17mm profile. 44 piece bolt kit.

Suits 37"-70"  
VESA 600x400  
Weight 50Kg  
Tilt +5° -15°  
Code BKT8462



**daichi**



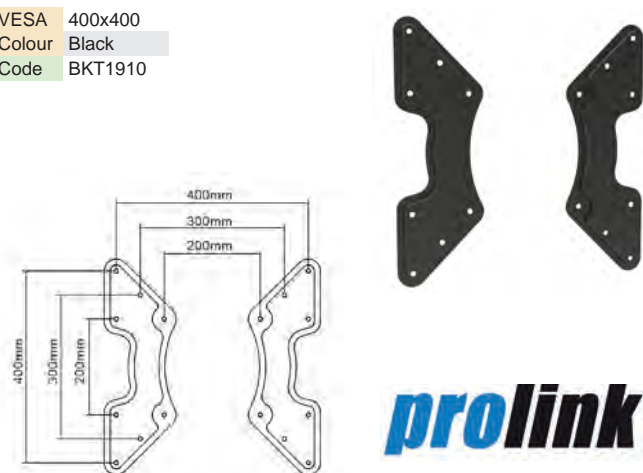


## ProLink Brackets Accessories

### 30Kg VESA ADAPTOR BRACKET

Adaptor brackets for 23"-42" TV. Suits VESA 200x100, 200x200, 200x400, 400x400. Supports flat panel TV's up to 30kg

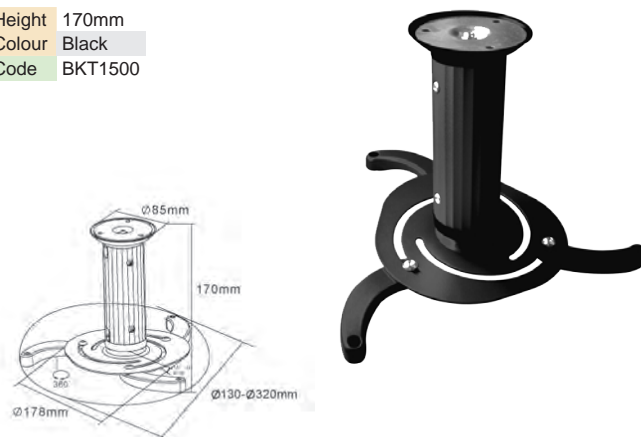
VESA 400x400  
Colour Black  
Code BKT1910



### 10Kg PROJECTOR CEILING MOUNT

Aluminium ceiling projector brackets. -15°-+15° up and down tilt, 360° horizontal rotation. Includes cable through hole.

Height 170mm  
Colour Black  
Code BKT1500

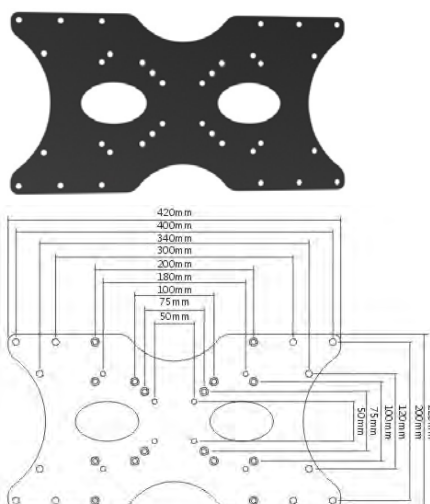


### 30Kg VESA ADAPTOR BRACKET

Adaptor brackets for 23"-42" TV. Suits VESA 50x50, 75x75, 100x100, 200x100, 200x200, 400x200. Supports up to 30kgs

VESA 400x200  
Colour Black  
Code BKT1900

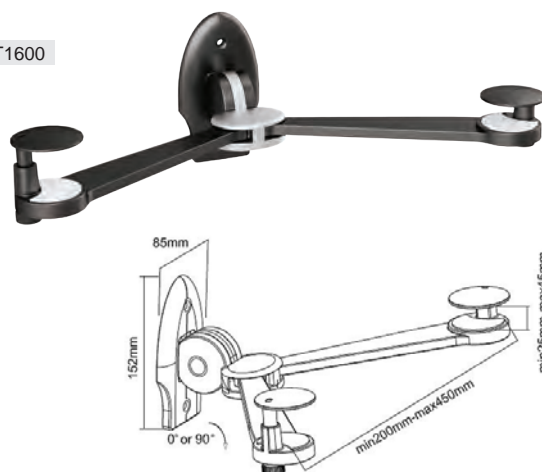
#### PROLINK SUITABLE



### 3Kg DVD/COMPONENT FOLDABLE WALL MOUNT

Universal wall mount, which will accept a platform or device from 25mm - 45mm thick (adjustable) & varying in width from 200mm - 450mm. Can be used in horizontal or vertical position (pivots down)

Max. 3Kg  
Code BKT1600



### CEILING MOUNT

Arm swings down or back up and locks for storage.

Suits 17"-37"  
VESA 200x200  
Weight 20Kg  
Code BKT1850



**prolink**

### AV ON TV SUPPORT

This AV stand allows the user to place their DVD player or DVR over the top of a flat screen TV. It is installed by attaching the stand to the TV directly to provide the stability. Max Load 3kg Platform size: 300x250mm Arm Length: 300mm

Size 300x250mm  
Weight 3Kg  
Code BKT1630





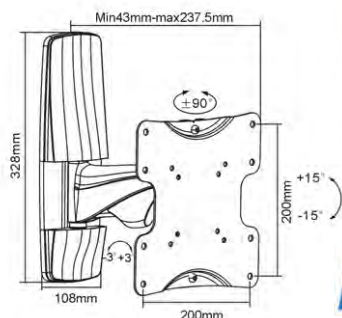


## □ ProLink Elegant Brackets

### 30Kg SHORT REACH TILTABLE

Two tone full motion VESA wall brackets for 17"-37" TV.  
Suits VESA 75x75, 100x100, 200x100, 200x200.  
Supports flat panel TV's up to 30kgs

VESA 200x200mm  
Colour Black/Silver  
Code BKT1110

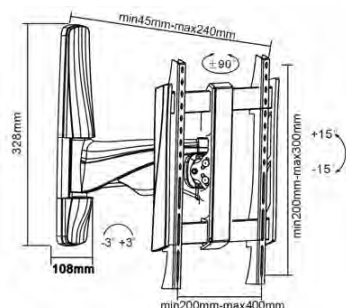


**prolink**

### 30Kg SHORT REACH TILTABLE

Two tone full motion universal wall brackets for 23"-42" TV.  
Suits VESA 75x75, 100x100, 200x100, 200x200, 400x200.  
Supports flat panel TV's up to 30kgs.

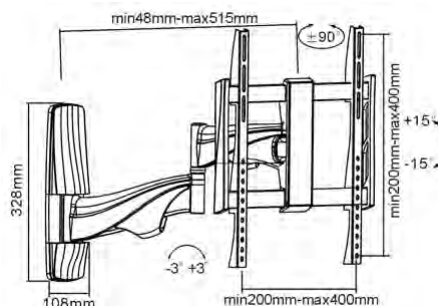
VESA 400x200mm  
Colour Black/Silver  
Code BKT1120



### 30Kg LONG REACH TILTABLE

Two tone full motion universal wall brackets for 26"-47" TV. Suits VESA 75x75, 100x100, 200x100, 200x200, 400x200, 400x400.  
Supports flat panel TV's up to 30kgs.

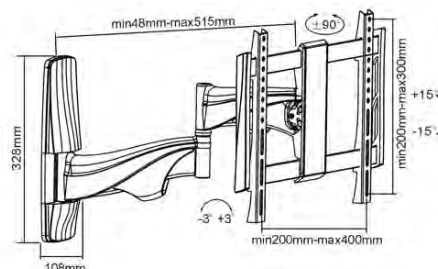
VESA 400x400mm  
Colour Black/Silver  
Code BKT1250



### 30Kg LONG REACH TILTABLE

Two tone full motion universal wall brackets for 23"-42" TV.  
Suits VESA 75x75, 100x100, 200x100, 200x200, 400x200.  
Supports flat panel TV's up to 30kgs.

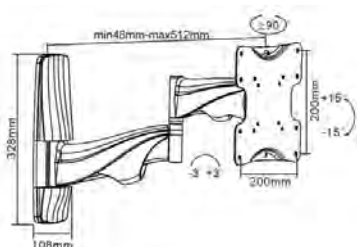
VESA 400x200mm  
Colour Black/Silver  
Code BKT1245



### 30Kg SHORT REACH TILTABLE

Two tone full motion VESA wall brackets for 17"-37" TV.  
Suits VESA 75x75, 100x100, 200x100, 200x200.  
Supports flat panel TV's up to 30kgs.

VESA 200x200mm  
Colour Black/Silver  
Code BKT1240



**prolink**

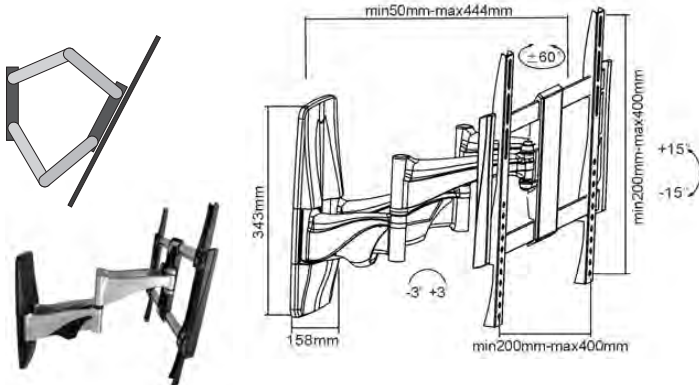




## 45Kg LONG REACH DUAL ARM

Two tone full motion universal wall brackets for 26"-47" TV.  
Suits VESA 75x75, 100x100, 200x100, 200x200, 400x200, 400x400.  
Supports flat panel TV's up to 45kgs.

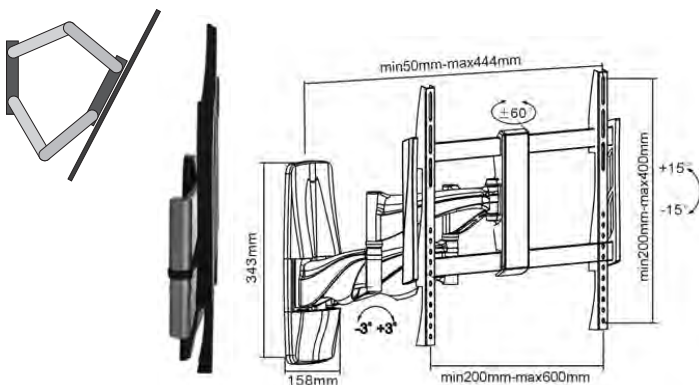
VESA 400x400  
Colour Black/Silver  
Code BKT1270



## 45Kg LONG REACH DUAL ARM

Two tone full motion universal wall brackets for 32"-60" TV. Suits VESA 75x75, 100x100, 200x100, 200x200, 400x200, 400x400, 600x400.  
Supports flat panel TV's up to 45kgs.

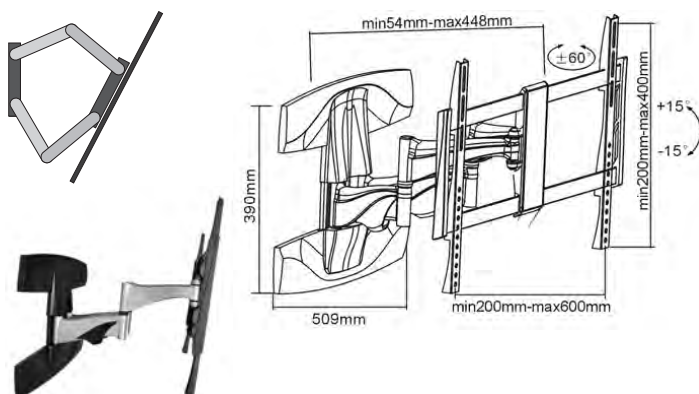
VESA 600x400mm  
Colour Black/Silver  
Code BKT1275



## 45Kg LONG REACH DUAL ARM

Two tone full motion universal wall brackets for 32"-60" TV. Suits VESA 75x75, 100x100, 200x100, 200x200, 400x200, 400x400, 600x400. Supports flat panel TV's up to 45kgs.

VESA 600x400mm  
Colour Black/Silver  
Code BKT1280



**prolink**



## OMB Wall Mount Brackets

### MADE IN ITALY BY OMB



Premium grade Flat Screen Supports for Professional installations to suit your modern decor.

[www.ombitaly.it](http://www.ombitaly.it)

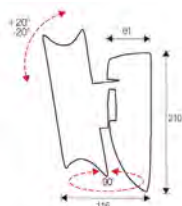


# omb®

### 30KG OPERA-I TILT & SWING DELUXE

Evolutionary fashion house partnered with OMB for an a new style support Premium grade professional installation. Suits to 10"-37".  $\pm 20^\circ$  tilt.  $90^\circ$  swivel. Cast iron joint. Made in Italy.

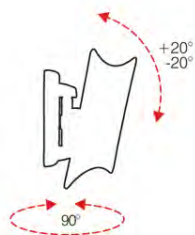
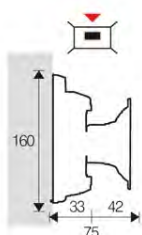
VESA	200x200
Colour	Black
Code	OMB06131



### 30Kg LUNAR-1 TILT AND SWING

LUNAR-1 full motion wall mount suits to 10"-37".  $\pm 20^\circ$  tilt.  $90^\circ$  swivel. 75mm off the wall. Supports flat screen TV up to 30kg.

VESA	200x200	200x200	200x100	200x100	400x400
Colour	Silver	Black	Silver	Black	Black
Code	OMB26105	OMB06105	OMB26094	OMB06094	OMB04002



### ADD ON ACCESSORIES

Optional Padlock & key to suit LUNAR-1 series. OMB06095 requires OMB06097

Description	Padlock	Key
Suit	Lunar 1	Lunar 1
Code	OMB06095	OMB06097



Padlock Kit



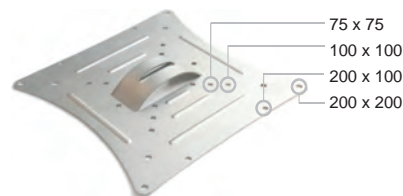
Key



Padlock Installation Example  
OMB Bracket not included

### VESA FLAT DISPLAY MOUNTING INTERFACE

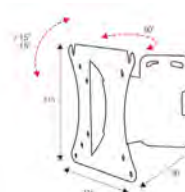
Note: LCD & Plasma TV Monitors have a standard mounting system known as "VESA" indicating hole size and locations for mounting. Due to space constraints, each & every VESA size is not shown on each item. It can be assumed that ALL VESA sizes up-to & including the size indicated are available for a mount. ie. VESA maximum.



### 10Kg SINGLE JOINT WALL MOUNT

Universal Inclinal wall bracket with one articulation. Suits to 10"- 22".  $\pm 15^\circ$  tilt &  $80^\circ$  swivel. 80mm off the wall. Supports up to 10kg.

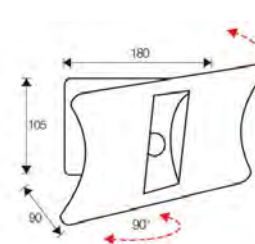
VESA	100x100
Colour	Black
Code	OMB06098



### 20Kg MONO-SOLUTION TILT AND SWING

MONO-SOLUTION full motion wall mount with one articulation suits to 10"-30".  $\pm 20^\circ$  tilt.  $90^\circ$  swivel. 90mm off the wall. Supports flat screen TV up to 20kg.

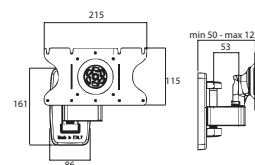
VESA	200x200	200x200	100x200	100x200
Colour	Silver	Black	Silver	Black
Code	OMB26100	OMB36070	OMB26070	OMB06070



### 20Kg TILT SWING AND ROTATE SHIFT

TV mount with adjustable wall distance, 1 pivot point, adjustable tilt and  $360^\circ$  rotation. Perfect for small to medium flat screen TVs.

VESA	200x100 max	200x200 max
Weight	20kg	25kg
Suits	10-32"	10-40"
Code	OMB06173	OMB06175



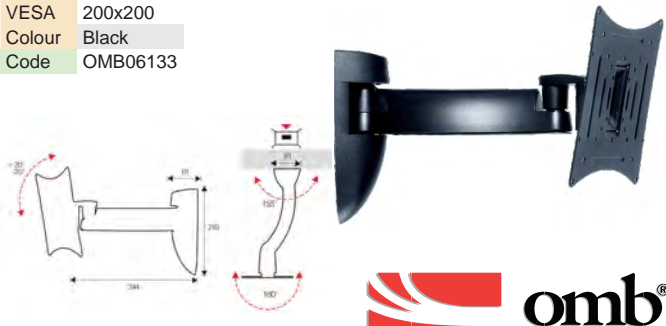




## 30KG OPERA-2 TILT AND SWING

Full motion wall mount suits to 10"-37".  $\pm 20^\circ$  tilt.  $180^\circ$  swivel. Arm extension: 117-344mm. Supports flat screen TV up to 30kg. Elegance in a curved aluminium arm with cable cavity and articulated joints.

VESA	200x200
Colour	Black
Code	OMB06133



## 30Kg EASY-TWO EXTRA TILT AND SWING STEEL

Full motion heavy duty wall bracket, Step up to the next level in beautiful European interior design style. Suits to 10" - 37".  $\pm 20^\circ$  tilt.  $190^\circ$  swivel. Arm extension 70-290mm. Supports flat screen TV up to 30kg

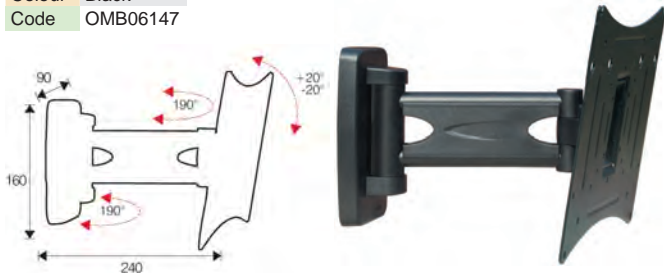
VESA	100x200	100x200	200X200	200X200	400x400
Colour	Black	Silver	Black	Silver	Black
Code	OMB06114	OMB26114	OMB06115	OMB26115	OMB04003



## 30Kg SLIM-2 TILT AND SWING DELUXE

Full motion Inclinal wall bracket with two articulations and tilt. Suits 10" - 37".  $\pm 20^\circ$  tilt.  $190^\circ$  swivel. Arm extension 55 - 240mm. Metal arm is hollow for holding AV & power cables. Support flat panel tv up to 30kgs.

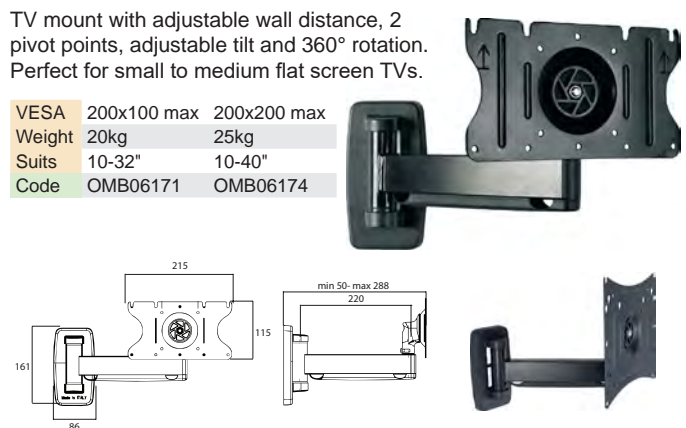
VESA	200x200
Colour	Black
Code	OMB06147



## 20Kg TILT SWING AND ROTATE ARM SHIFT

TV mount with adjustable wall distance, 2 pivot points, adjustable tilt and  $360^\circ$  rotation. Perfect for small to medium flat screen TVs.

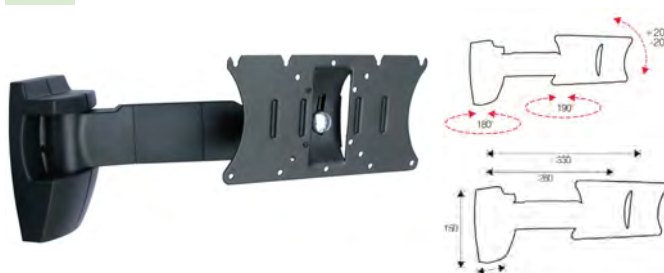
VESA	200x100 max	200x200 max
Weight	20kg	25kg
Suits	10-32"	10-40"
Code	OMB06171	OMB06174



## 20Kg BI-SOLUTION TILT AND SWING STEEL

Full motion inclinable two articulation wall mount with plastic shroud. Suits to 10" - 30".  $\pm 20^\circ$  tilt.  $190^\circ$  swivel. Arm extension 80-330mm. Supports flat screen TV up to 20kg

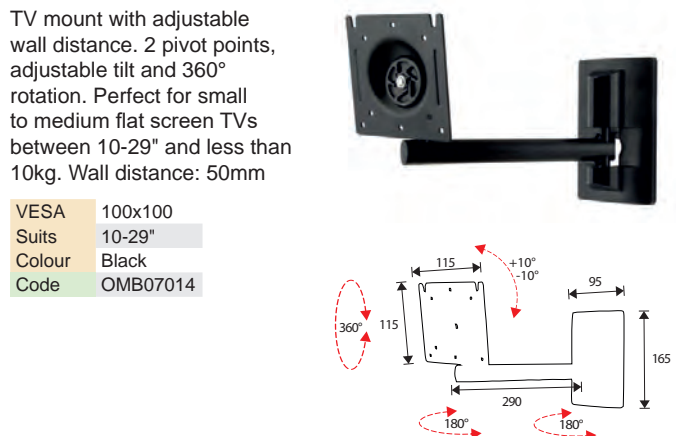
VESA	200x200	200x200	100x200	100x200	100x100
Colour	Silver	Black	Silver	Black	Black
Code	OMB26101	OMB06101	OMB26071	OMB06071	OMB06197



## OMB MILLENNIUM 2 ARM 10KG

TV mount with adjustable wall distance, 2 pivot points, adjustable tilt and  $360^\circ$  rotation. Perfect for small to medium flat screen TVs between 10-29" and less than 10kg. Wall distance: 50mm

VESA	100x100
Suits	10-29"
Colour	Black
Code	OMB07014



## 20Kg EASY-TWO TILT AND SWING STEEL

Wall mounted articulated flat screen TV support with style & assurance. Suits to 10" - 30".  $\pm 20^\circ$  tilt.  $190^\circ$  swivel. Arm extension 80-300mm. Supports flat screen TV up to 20kg Easy range offers quality and safety at an excellent value for money

VESA	100x200	100x200
Colour	Silver	Black
Code	OMB26077	OMB06077



## 25Kg LED TWO WALL MOUNT

Universal mobile TV wall mount with an elegant and super slim design with two rotating & inclining joints. Easy installation with concealed cabling. Suits to 32" - 55".  $+0^\circ/-12^\circ$  tilt.  $180^\circ$  swivel. Arm extension 35-400mm. Supports flat screen TV up to 25kg

VESA	600x400
Colour	Black
Code	OMB06167

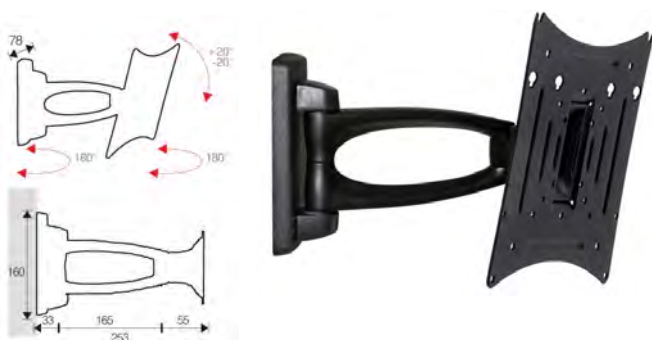




## 30Kg LUNAR-2 TILT AND SWING - SINGLE ARM

Full motion inclinable wall bracket with two articulations. Suits 10"-37".  $\pm 20^\circ$  tilt. 180° swivel. Arm extension 55 - 253mm. Cast Aluminium. Support flat panel tv up to 30kgs.

VESA	200x200	200x200	200x100	200x100	400x400
Colour	Silver	Black	Silver	Black	Black
Code	OMB26107	OMB06107	OMB26091	OMB06091	OMB04000



### ADD ON ACCESSORIES

Optional Padlock & key to suit LUNAR-2 series. OMB06096 requires OMB06097

Description	Padlock	Key
Suit	Lunar 2	Lunar 2
Code	OMB06096	OMB06097



Padlock Kit



Padlock Installation Example  
OMB Bracket Not Included

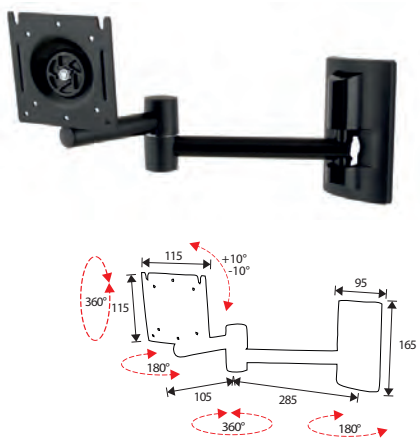
Key



## OMB MILLENNIUM 3 ARM 10KG

TV mount with adjustable wall distance. 3 pivot points, adjustable tilt and 360° rotation. Maximum extension: 390mm. Perfect for small to medium flat screen TVs between 10-29" and less than 10kg. Wall distance: 50mm

VESA	100x100
Suits	10-29"
Colour	Black
Code	OMB07015



## 20Kg EASY THREE TRIPLE JOINT

Wall mounted articulated flat screen TV support with style & assurance. Suits 10" - 30". 190° swivel. Arm extension 80-430mm. Supports flat screen TV up to 20kg. Easy range offers quality and safety at an excellent value for money

VESA	100x200	100x200
Colour	Silver	Black
Code	OMB26078	OMB06078



## 30Kg EASY THREE EXTRA LONG REACH

Full motion inclinable three articulation wall bracket. Suits to 10" - 37".  $\pm 20^\circ$  tilt. 190° swivel. Arm extension 70-430mm. Supports flat screen TV up to 30kg

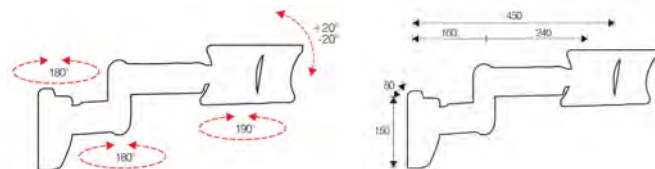
VESA	100x200	200x200	200x200	400x400
Colour	Black	Black	Silver	Black
Code	OMB06116	OMB06117	OMB26117	OMB04004



## 20Kg TRI-SOLUTION LONG REACH

Full motion three articulated wall mount bracket. Suits to 10" - 30".  $\pm 20^\circ$  tilt. 190° swivel. Arm extension 80-450mm. Supports flat screen TV up to 20kg

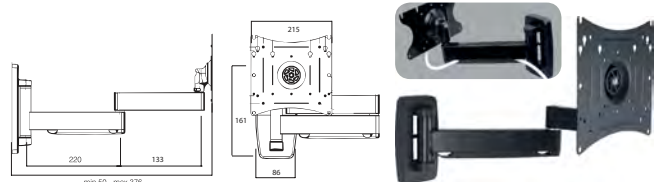
VESA	200x200	200x200	100x200	100x200
Colour	Silver	Black	Silver	Black
Code	OMB26102	OMB06102	OMB26072	OMB36072



## 20Kg TILT SWING AND ROTATE

TV mount with adjustable wall distance, 3 pivot points, adjustable tilt and 360° rotation. Perfect for small to medium flat screen TVs.

VESA	200x100	200x200
Weight	20kg	25kg
Suits	10-32"	10-40"
Code	OMB06172	OMB06176



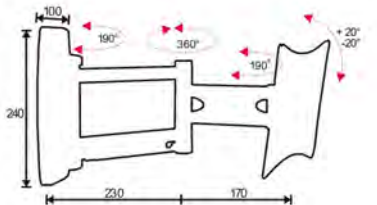




## 30Kg SLIM-3 TILT AND SWING ELBOW ARM

Inclinable wall bracket with Three articulations and tilt. Metal arm is hollow for holding AV & power cables. Suits to 10" - 37".  $\pm 20^\circ$  tilt.  $190^\circ$  swivel. Arm extension 55-400mm. Supports flat screen TV up to 30kg

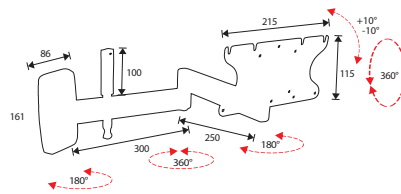
VESA	200x200
Colour	Black
Code	OMB06148



## OMB GYRO CAMPER TRIPLE JOINT 20KG

Full motion three articulated wall mount bracket.  $360^\circ$  rotation,  $\pm 10^\circ$  tilt.  $180^\circ$  swivel. Arm extension up to 550mm. Supports flat screen TV up to 20kg With flat position locking pin.

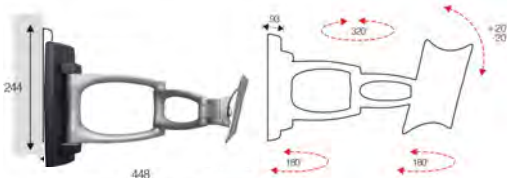
VESA	200x100
Suits	10-32"
Colour	Grey
Code	OMB26176



## 30Kg LUNAR-3 DUAL ARM LONG REACH

Full motion three articulations inclinable wall bracket. Suits to 10" - 37".  $\pm 20^\circ$  tilt.  $180^\circ$  swivel. Arm extension 55-448mm. Supports flat screen TV up to 30kg

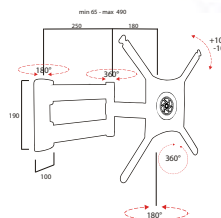
VESA	200x200	200x200	200x100	200x100	400x400
Colour	Silver	Black	Silver	Black	Black
Code	OMB26108	OMB06108	OMB26092	OMB06092	OMB04001



## 25Kg ROMBI WALL MOUNT

Full motion three articulation wall bracket designed for large flat screen TVs. Suits to 40-56". Adjustable  $\pm 10^\circ$  tilt.  $180^\circ$  swivel and  $360^\circ$  rotation. Arm extension 65-490mm. Supports flat screen TV up to 25kg.

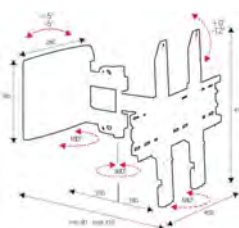
VESA	400x400
Colour	Black
Code	OMB06183



## 35Kg EASY THREE TILT & SWING DELUXE 400

Full motion wall mounted articulated flat screen TV support with style & assurance. Suits to 20" - 40".  $+0^\circ/-12^\circ$ .  $180^\circ$  swivel. Arm extension 80-410mm. Supports flat screen TV up to 35kg.

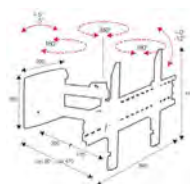
VESA	400x400
Colour	Black
Code	OMB06118



## 45Kg EASY THREE TILT & SWING DELUXE 800

Full Motion universal mounting bracket. Suits to 37" - 63".  $+0^\circ/-12^\circ$ .  $190^\circ$  swivel. Arm extension 80-410mm. Supports flat screen TV up to 45kg. Suitable for corner mounting and offers manoeuvrability and versatility for positioning.

VESA	800x400
Colour	Black
Code	OMB06149



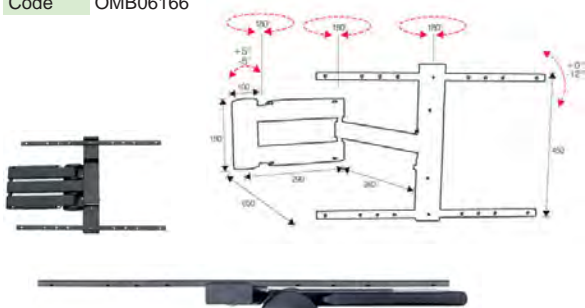


## 25Kg LED REACH HEAVY DUTY TV MOUNT

Universal mobile TV wall mount with an elegant and super slim design with three rotating & inclining joints. Easy installation with concealed cabling. Suits to 35" - 55". +0°/-12° tilt. 180° swivel. Extra-long arm extension 35-650mm. Up to 400X600 VESA Supports flat screen TV up to 25kg



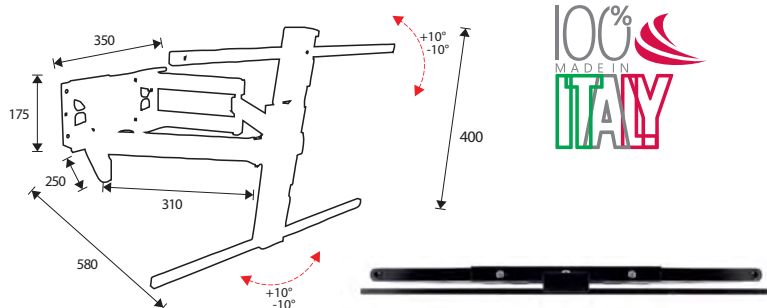
VESA	600x400
Colour	Black
Code	OMB06166



## 50Kg LED REACH HEAVY DUTY TV MOUNT

The double arm design of this TV wall mount ensures safety and solidity even in the most difficult of situations, and is user friendly. The arm collapses to 40mm from the wall but can extend to 580mm. Swivel displays of up to 55" a full 60°. An easy integrated cable management system keeps the design simple, elegant and neat.

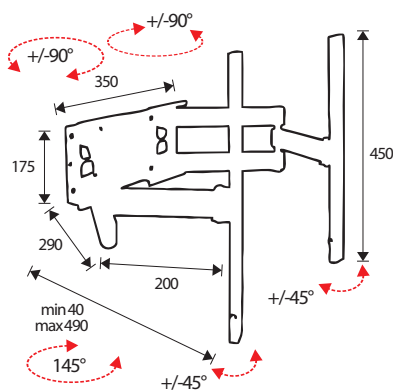
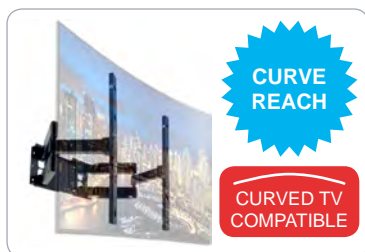
VESA	600x400
Colour	Black
Code	OMB06177



## 40KG CURVE REACH WALL MOUNTING BRACKET

Independent double arm design. The arm collapses to less than 40mm from the wall, yet extends to 500mm with multiple positions thanks to the 3 adjustable joints, it allows you to swivel displays a full 60°. An easy integrated cable management system keeps the design simple, elegant and neat. Maximum weight support: 40kg. Suitable for 32-65" LCD screen.

VESA	400x200/400x400
Suits	32-65"
Colour	Black
Code	OMB06189



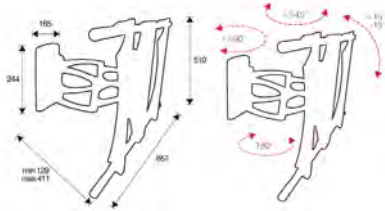




## 50Kg LUNAR REACH TILT & SWING LARGE

VESA FDMI fully adjustable mounting system. Suits to 30" - 50". +15°/-15° tilt. 45° swivel. Arm extension 129-411mm. Supports flat screen TV up to 75kg. Included Two x Double arms for secure stable support of larger LCD Plasma TVs

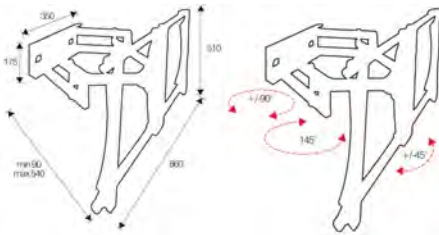
VESA	800x400	800x400
Colour	Silver	Black
Code	OMB26093	OMB06093



## 75Kg REACH STOP SWING DUAL ARM LARGE

Full motion dual double arm extension support triple articulation. Suits to 30" - 63". 45° swivel. No tilt. Arm extension 90-540mm. Supports flat screen TV up to 75kg

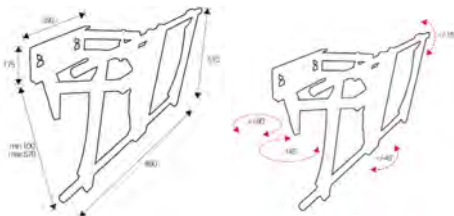
VESA	800x400
Colour	Black
Code	OMB06123



## 75Kg REACH GO TILT & SWING LARGE

Dual double arm extension support triple articulation. Suits to 30" - 63". 45° swivel. Up/Down +15°/-15° tilt. Arm extension 100-570mm. Supports flat screen TV up to 75kg.

VESA	800x400
Colour	Black
Code	OMB06124

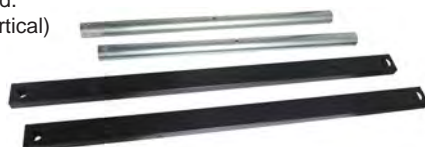


## SHORTEN BARS - OPTIONAL

### SHORT BARS - VESA 400x400 KIT FOR REACH SERIES

This is to be used in place of the standard one supplied. Changes to 600x400 (vertical) or 400x400

VESA	400x600
Code	OMB06159



## M6 BOLTS

### 6MM X 1.0MM THREAD - 10MM HEX HEAD

In most cases, the TV will have the bolts already. If using replacements, beware the maximum bolt depth. 1.0 mm metric threads. Supplied in bags of 20 pieces.

Depth	Code
12mm	HB1012
26mm	HB1026
40mm	HB1040



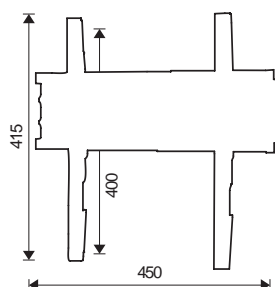
X20



## 40Kg SLIM 400 WALL BRACKET

Mount the following brackets either directly to a wall or to arm extension. Suits to 20"-32". Supports up to 40kg.

VESA	400x400	400x400
Colour	Silver	Black
Code	OMB26085	OMB06170

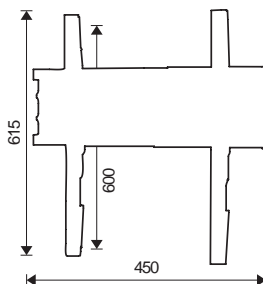


OMB26085 is from the FIX-PLASMA Series

## 50Kg SLIM 400x600 FIXED WALL MOUNT

Universal low profile fixed wall mount. Suits to 26" - 52". 22mm off the wall. Supports flat screen TV up to 50kg.

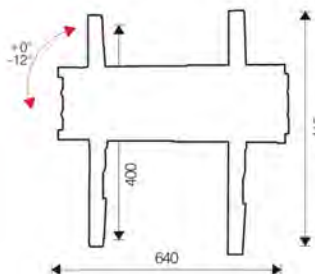
VESA	400x600
Colour	Black
Code	OMB06165



## 50Kg SLIM TILT 600 WALL BRACKET

Universal wall mount. Suits to 26" - 52". -12°/+0° up and down tilt. 35mm off the wall. Supports flat screen TV up to 50kg.

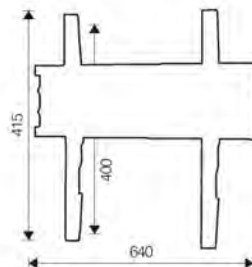
VESA	600x400
Colour	Black
Code	OMB06145



## 50Kg SLIM 600 FIXED WALL BRACKET

Universal low profile fixed wall mount. Suits to 26" - 52". 28mm off the wall. Supports flat screen TV up to 50kg.

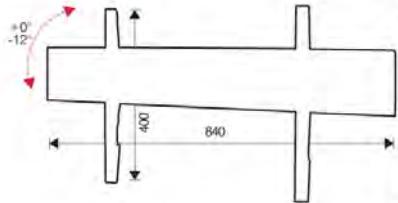
VESA	600x400
Colour	Black
Code	OMB06144



## 60Kg SLIM 800 BRACKET WITH TILT

Universal wall mount. Suits to 30" - 63". -12°/+0° up and down tilt. 35mm off the wall. Supports flat screen TV up to 60kg.

VESA	800x400	800x400
Colour	Black	Silver
Code	OMB06129	OMB26129

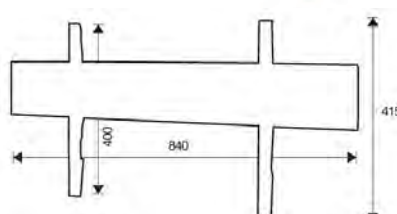


CURVED TV COMPATIBLE

## 60Kg SLIM 800 FIXED LARGE

Universal low profile fixed wall mount. Suits to 30" - 63". 22mm off the wall. Supports flat screen TV up to 60kg.

VESA	800x400	800x400
Colour	Black	Silver
Code	OMB06139	OMB26139



CURVED TV COMPATIBLE





## 25Kg LED FIX WALL HANGER

Universal fixed wall mount. Suits to 10"-65". 12mm off the wall. Supports flat screen TV up to 25kg.

VESA 400x400  
Colour Black  
Code OMB06128

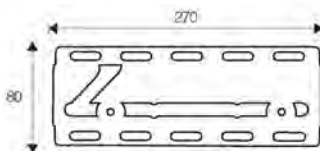


**LED FIX**  
[ Monitor Not Included ]

## 20Kg SLIM200 WALL HANGER

Ultra slim, low profile, easy & quick to install. Suits to 10"-32". 12mm off the wall. Supports flat screen TV up to 20kg.

VESA 200x200  
Colour Black  
Code OMB06154



Attach grommets to TV



## 35Kg SLIM-PULL FIXED TV WALL BRACKET

### WITH BUILT-IN SPIRIT LEVEL

Universal low profile fixed wall mount. 19mm from the wall. Suits 13" - 37" plasma, LED and LCD TV. Supports flat screen TV up to 35kg.

VESA 200x200  
Colour Black  
Code OMB06187

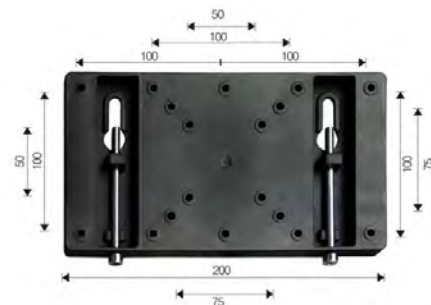


## 20Kg EASY SMALL WALL BRACKET

Universal bracket to suit all small & medium sized flat screen. 14mm off the wall. Supports flat screen TV up to 20kg.

VESA 200x200  
Colour Black  
Code OMB06076

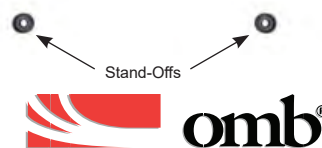
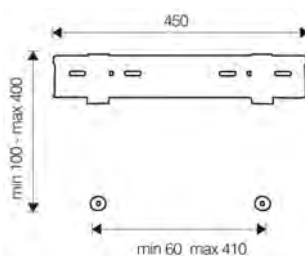
**EASY-SMALL**



## 40Kg EASY LED WALL MOUNT

Universal fixed wall mount gives maximum results in minimum space. Suits to 19"-47". 15mm off the wall. Supports flat screen TV up to 40kg.

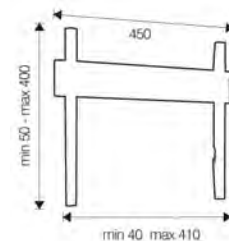
VESA 400x400  
Colour Black  
Code OMB06161



## 40Kg EASY FOUR FIXED WALL HANGER

Universal fixed wall mount. Suits to 20" - 37". 22mm off the wall. Supports flat screen TV up to 40kg.

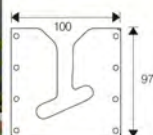
VESA 400x400 400x400  
Colour Silver Black  
Code OMB26079 OMB06079



## 80Kg WALL HANGER BRACKET PAIR

Quick Level fixed TV mount is suitable for small, medium and large sized flat screen TVs. Suits to 10"-65". 10mm off the wall. Supports flat screen TV up to 80kg.

VESA All  
Colour Black  
Code OMB06127

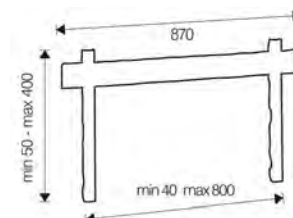


**QUICK LEVEL**  
[ Monitor Not Included ]

## 60Kg EASY BIG FIXED WALL HANGER

Universal fixed wall mount. Suits to 30" - 50". Only 22mm off the wall. Supports flat screen TV up to 60kg.

VESA 800x400 800x400  
Colour Silver Black  
Code OMB26066 OMB06066



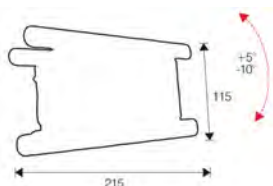




## EASY GO TILTABLE WALL BRACKET

Universal bracket to suit all small & medium sized flat screen.  
+5°/-10° tilt. 50mm off the wall.

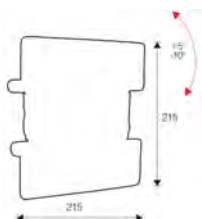
max 20Kg  
VESA 100x100  
Colour Black  
Suit 32" 82cm  
Code OMB06142



## EASY GO TILTABLE WALL BRACKET

Universal bracket to suit all small & medium sized flat screen.  
+5°/-10° tilt. 50mm off the wall.

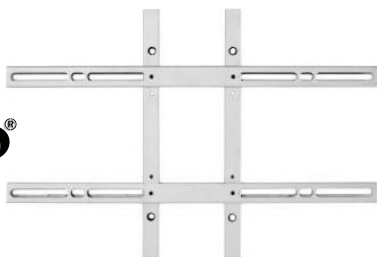
max 25Kg  
VESA 200x200  
Colour Black  
Suit 40" 100cm  
Code OMB06143



## 30Kg UNIVERSAL VESA ADAPTOR

Universal adaptor is ideal for increasing the capacity of VESA mounts. It is also suitable for non VESA mounts. This universal adaptor can be mounted onto a TV mount with VESA 100x100 - 400x400 plate. Supports flat screen TV up to 30kg

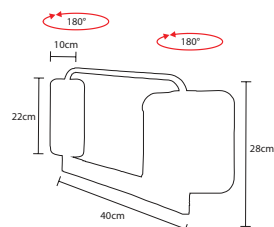
VESA 400x400 400x400  
Colour Silver Black  
Code OMB26088 OMB36088



## 30Kg WALL SUPPORT SINGLE ARM SWING

Wall support with two articulations.  
Suitable for 27"-37" flat screen TVs.  
180° swivel. Arm extension 23-400mm.  
Support up to 30kg of weight

VESA 75/100/200  
Colour Black  
Code FLAG-350



## 50Kg FREE STANDING TROLLEY - MAGELLANO

Professional trolley for LCD, LED and plasma monitors. Complete with 4 wheels. Can accommodate 2 Lunar DVD supports. Suits to 10"-50". 1700mm height. Supports flat screen TV up to 50kg.

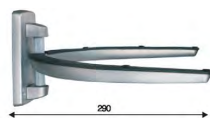
### NEW MAGELLANO

VESA 800x400  
Colour Black  
Code OMB06104



ADD-ON SHELF  
Supports up to 30Kg.  
100-350mm

Colour Black  
Code OMB06121



### VESA 400x400 KIT

This is to be used in place of the standard one supplied.  
Changes to 600x400 vertical or 400x400

VESA 400x600  
Code OMB06159



### CONFERENCE ADD-ON

NEW MAGELLANO - TOP SHELF FOR  
ADDING AN OPTIONAL CAMERA

max 3Kg  
Colour Black  
Code OMB06153

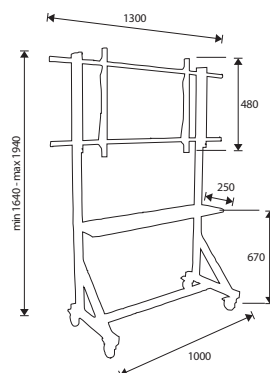


Does not include camera or monitor.

## VIDEO TROLLEY

The video trolley is compatible with large monitors/TVs and features a shelf for computers. Quality design allows you to optimise your work space. Easy assembly and adjustable height for the monitor or TV.

VESA 1100x600  
Weight 80kg  
Suits 40-77"  
Code OMB05008



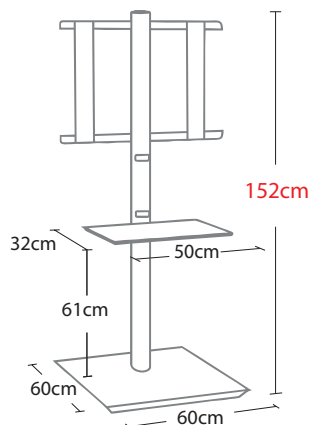




## OMB HANDY-MAXI MOBILE 40KG TV & SHELF

Mobile for 32"-50" TV with metal shelf.  
Cable management hidden in column.  
Retractable trolley wheels  
Suits up to VESA 600x400.  
Support flat panel TV up to 40kg.  
Shelf can support weight up to 6kg

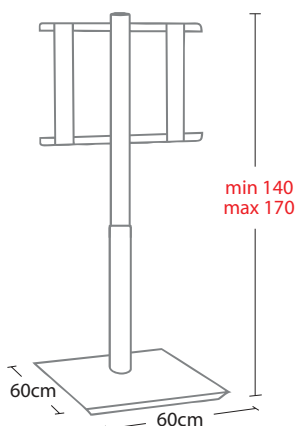
VESA	600x400
Suits	32-50"
Colour	Black
Code	OMB0252



## OMB HANDY SPRING 40KG MOBILE TV WITH ADJUSTABLE HEIGHT

Mobile stand for 32"-50" TV.  
Cable management hidden in column.  
Gas spring vertical range: 30cm  
Retractable trolley wheels  
Suits up to VESA 600x400.  
Support flat panel TV up to 40kg.

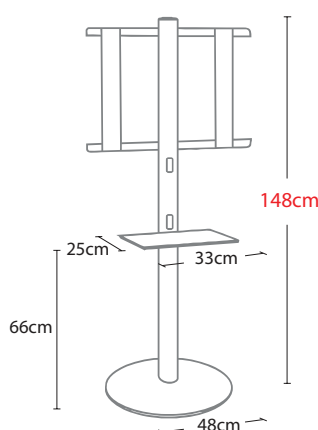
VESA	600x400
Suits	32-50"
Colour	Black
Code	OMB0281



## OMB PEDESTAL-MAXI 40KG TV STAND WITH ROUND BASE

Fixed TV wall metal shelf for 32"-50" TV.  
Cable management hidden in column.  
Gas spring vertical range: 30cm  
Suits up to VESA 600x400.  
Support flat panel TV up to 40kg.  
Shelf can support weight up to 6kg

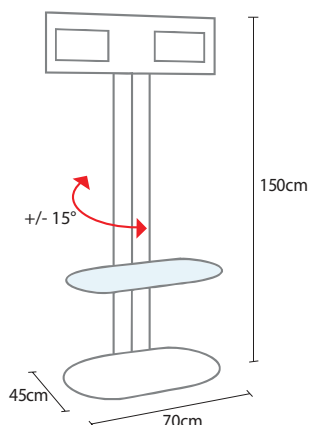
VESA	600x400
Suits	32-50"
Colour	Black
Code	OMB0293



## OMB TOTEM 40KG TV STAND WITH 2 GLASS SHELVES

Rotatable TV wall metal shelf for 40"-55" LCD TV.  
Cable management hidden in column.  
2x 8mm thick transparent, oval shape tempered glass shelves  
TV rotation  $\pm 15^\circ$   
Adjustable in height.  
Suits up to VESA 600x400.  
Support flat panel TV up to 40kg.  
Each shelf support up to 5kg in weight

VESA	600x400
Suits	40-55"
Colour	Black
Code	OMB0501





## 75Kg LIFT TO SUIT SLIM SERIES

Rotatable and extendable ceiling arm to apply to one or even two (one on each side). Height is adjustable from 600 to 1000mm.  
Requires: SLIM 600/800 - SLIMTILT 600/800  
OMB 06144, 06145, 06165, 06139, 06129.

Suit	Slim/Tilt 600/800
Colour	Black Silver
Code	OMB06055 OMB26055

HANG ONE  
OR TWO  
MONITORS



## 75Kg LIFT-PLASMA SINGLE CEILING MOUNT

Rotatable and extendable ceiling arm  
To suit Fix-Plasma (OMB6170, OMB26085)  
and Touch-Plasma (OMB26086)  
LED wall brackets up to 40Kg 20"-32"  
The arms can be extended from 0.6M to 1.0M.  
Max weight: up to 75kg

Colour	Silver
Suit	Slim, Touch
Code	OMB26062



## 75Kg TWIST-PLASMA EXTENDER ARM

Universal mounting arm. Suits FIX PLASMA (OMB26085)  
and TOUCH PLASMA (OMB26086) wall mount brackets.  
30-300mm arm extension.  
Supports up to 75kg.

Colour	Black Silver
Code	OMB06063 OMB26063

See Below



## 40Kg TOUCH-PLASMA MOUNT

Mount the following brackets either directly to a wall  
or to arm extensions Lift-Plasma or Twist-Plasma.  
Suits 20"-32". Supports up to 40kg.

### TILT VERSION $\pm 15^\circ$

VESA	400x200
Colour	Silver
Code	OMB26086

### FIX-PLASMA

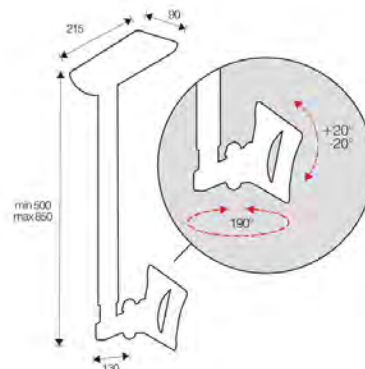
VESA	400x400
Colour	Silver
Code	OMB26085



## 20Kg HI-SOLUTION ROOF MOUNT EXTENDABLE

Full motion universal ceiling mount suitable for  
all small/medium flat screen TVs and monitors.  
Suits to 10" - 30".  $\pm 20^\circ$  tilt.  $190^\circ$  swivel. Arm  
extension 500-850mm. Supports flat screen TV  
up to 20kg

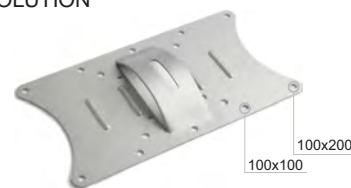
VESA	200x200	200x200	100x200	100x200
Colour	Silver	Black	Silver	Black
Code	OMB26103	OMB06103	OMB26073	OMB06073



## ADAPTOR PLATE RECTANGULAR

Up-Sizes only OMB tilt-head by replacing  
Suits OMB LUNAR, EASY & SOLUTION

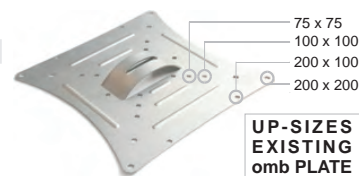
VESA	100X200
Code	OMB26074



## ADAPTOR PLATE SQUARE LARGE

Up-Sizes only OMB tilt-head by replacing  
Suits OMB LUNAR, EASY & SOLUTION

VESA	200x200	200x200
Colour	Silver	Black
Code	OMB26089	OMB06089



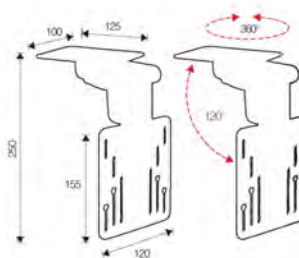
UP-SIZES  
EXISTING  
omb PLATE

## 5Kg DROP-DOWN SCREEN HANGER

Swings down  $120^\circ$  and Rotates  $360^\circ$ . Suits to 10" - 20".  
Supports flat screen TV up to 5kg.

### OYSTER DROP-DOWN

VESA	100x100
Colour	Silver
Code	OMB26075







## □ Monitor Desk Stands

### SINGLE LCD MONITOR CLAMP

Double arm for large range of motion. Heavy duty built cast aluminium. Desk edge clamp height adjustable. Suits to 13"-23". Full arm extension up to 440mm. 60° up and down tilt, 180° swivel, 360° landscape to portrait rotate. 440mm arm length.

VESA 75x100  
Code CMS1003



\* Not OMB

### DUAL LCD MONITOR CLAMP

Home or Office Desktop space solution. Heavy duty cast aluminium. Desk edge clamp height adjustable. Suitable for the size 13" to 23" Full arm extension up to 440mm. 60° up and down tilt, 360° swivel. 360° landscape-portrait rotate. VESA mount 75x75mm 100x100mm.

VESA 100x100  
Code CMS1004



\* Not OMB



### TRIPLE LCD MONITOR CLAMP

Aluminium alloy finish. Holds 3 LCD Monitors/TVs up to 24" (Maximum monitor width 57cm). 360° rotation at 2 points. Swivel left or right up to 180°. Tilt 45 to 60° up or downwards. VESA mounting 75x75x100x100mm. Clamp to the Desk Edge.

Holds 30Kg(10x3)  
VESA 75x100  
Code CMS1005



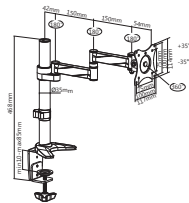
\* Not OMB

### MONITOR BRACKET

Elegant aluminium LCD VESA desk mount for 13"-27" monitors up to 8kg. Full motion structure allows maximum flexibility — extends, tilt and swivel your monitor up to 90° left and right for easy viewing. You can also adjust the monitor vertically to a desired position. An in-arm cable clip routes cables for a clean appearance.

Colour Chrome  
Size 500mm high  
VESA 100  
Code BKT2620

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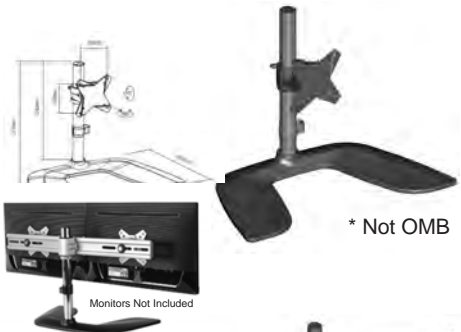


### MULTIPLE LCD MONITOR STAND

Fits most 13"-24" flat screen monitors with VESA mounts. -15° to +15° tilt, 180° swivel, 360° landscape to portrait rotate. VESA compliant: 75x75, 100x100. Supports screens up to 8kg each

#### SINGLE STAND

VESA 100x100  
Code CMS1006



\* Not OMB

#### DUAL STAND

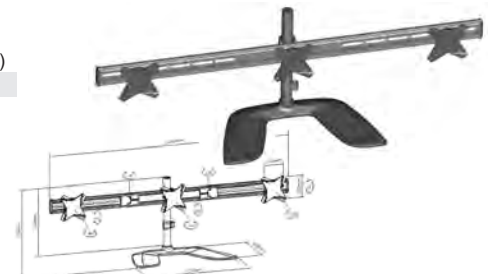
VESA 100x100 (x2)  
Code CMS1007



\* Not OMB

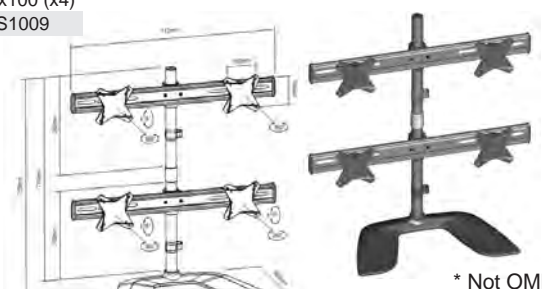
#### 3 MONITORS

VESA 100x100 (x3)  
Code CMS1008



#### 4 MONITORS

VESA 100x100 (x4)  
Code CMS1009



\* Not OMB





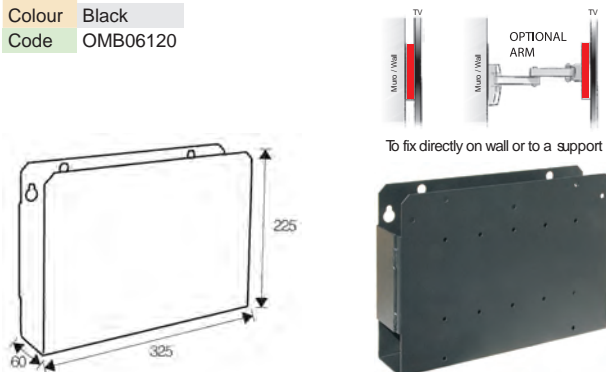
# AV TV SAT Install

## AV Component Support

### 30Kg WALL BRACKET WITH A/V CAVITY

Decoder support to place directly behind the television or on to the wall. 60mm wide pocket. Suits to touch plasma. Supports up to 30kg.

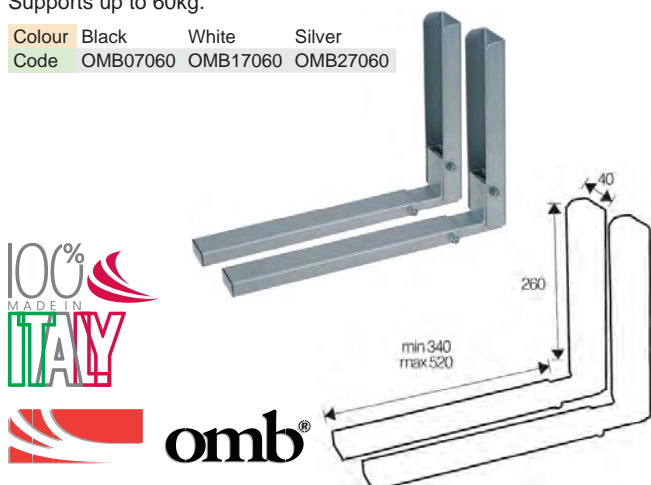
VESA 200x200  
Colour Black  
Code OMB06120



### 60Kg MICRO WALL MOUNT

Retractable universal equipment stand.  
340-520mm arm extension.  
Supports up to 60kg.

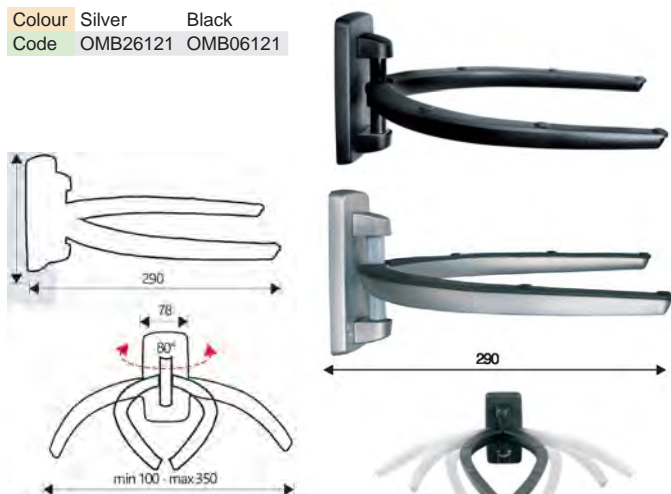
Colour Black White Silver  
Code OMB07060 OMB17060 OMB27060



### OPTIONAL 30Kg DVD SUPPORT

Adjustable arms swing to change width depending on equipment 100-350mm compatible with OMB06104 (Can fit two of them). 2x 290mm arms. 80° swivel. Supports up to 30kg.

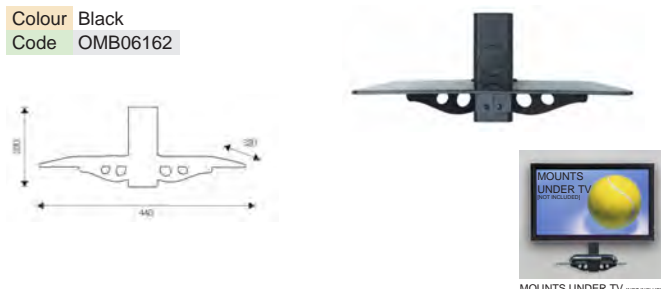
Colour Silver Black  
Code OMB26121 OMB06121



### 15Kg GLASS 1 FIXED WALL MOUNT

Single column universal wall mount with a glass shelf. Innovative storage system provides a sturdy bases for audio/video components and at the same time conceals all untidy cables under the TV. 350mm distance from the wall. Supports up to 15kg. Size 440x320x230

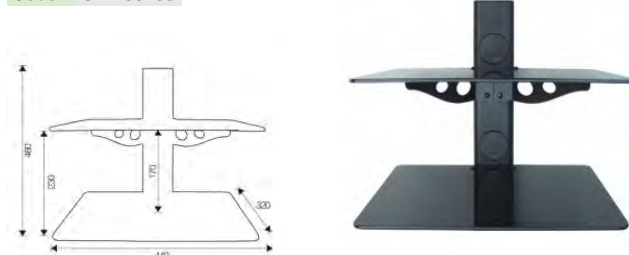
Colour Black  
Code OMB06162



### 15Kg GLASS 2 FIXED WALL MOUNT

Single column universal wall mount with 2 glass shelves. This innovative storage system provides a sturdy bases for audio/video components and at the same time conceals all untidy cables under the TV. 350mm distance from the wall. 2 glass shelves can support up to 15 kg each. Size 460x440x320mm.

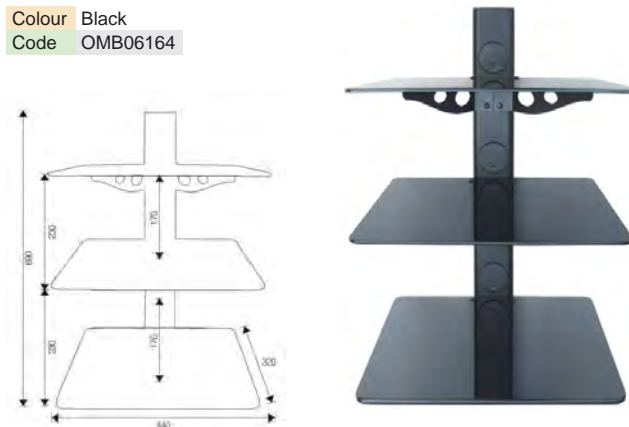
Colour Black  
Code OMB06163



### 15Kg GLASS 3 FIXED WALL MOUNT

Single column universal wall mount with 3 glass shelves. This innovative storage system provides a sturdy bases for audio/video components and at the same time conceals all untidy cables under the TV. 350mm distance from the wall. 3 glass shelves can support up to 15 kg each. Size 690x440x320mm

Colour Black  
Code OMB06164



### CONNEXION PLASTIC CABLE TUNNEL

Conceals all those messy TV, audio and video cables ( can hold up to 3 cables). It's easy to install: just fix the back part to the wall. Size 420x65x30mm

Colour Black  
Code OMB06169





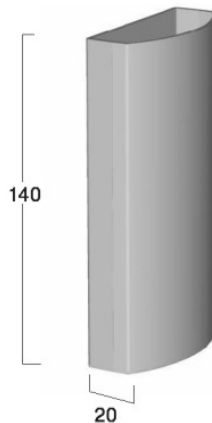


## CABLE STASH 6" LONG TUBE

### MAJIX/EASY TUNNEL

Connects vertically between MAJIX SUPPORTS matching Italian style Hides interconnecting cables & power leads between TV & DVD units. Size 140x100x20mm.

Colour Black Silver  
Code OMB06008 OMB26008

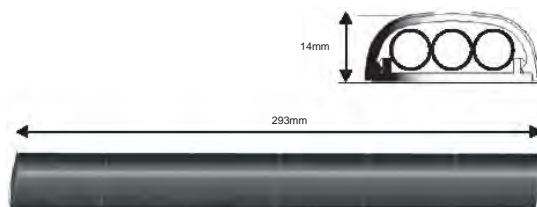


## CABLE STASH 12" LONG TUBE

### 1 FOOT LONG LUNAR TUNNEL

Hides interconnecting cables & power leads between TV & DVD units. Size 293x35x14mm.

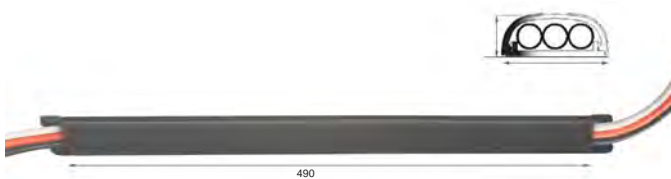
Colour Silver  
Code OMB26122



## CONNEXION CABLE MANAGEMENT TUNNEL

Extruded aluminium cable management tunnel. Conceals TV, audio and video cables from view. It's easy to install: just fix the back part to the wall. Size 490x46x18mm

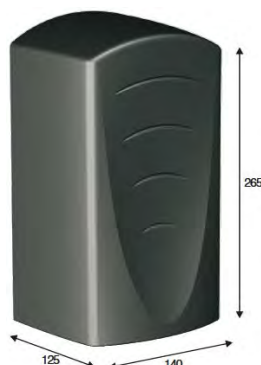
Colour Length Code  
Black 490mm OMB06169



## LUNAR POWER AESTHETICS - BOX

Hide power boards and cords at the base of a Tunnel. Suits to LUNAR GENIO. Size 265x125x140mm.

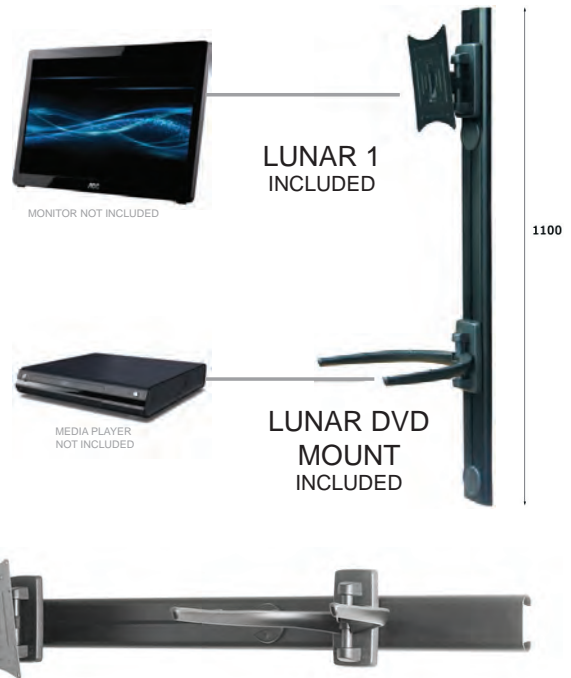
Colour Black  
Code OMB06109



## 30Kg DVD & TV SUPPORT COMBO' KIT

Wall mounted 10"-37" flat screen TV support with DVD/Foxtel® support arm. Combining the two Lunar supports in one unit gives added strength & style. Also offering cable concealment and quick install easy solution from OMB. Bar mounted vertically or horizontally with adjustable unit positioning. Kit includes LUNAR-1 & LUNAR-DVD plus a 1100mm metal wall bracket.

Colour Black  
Code OMB06106







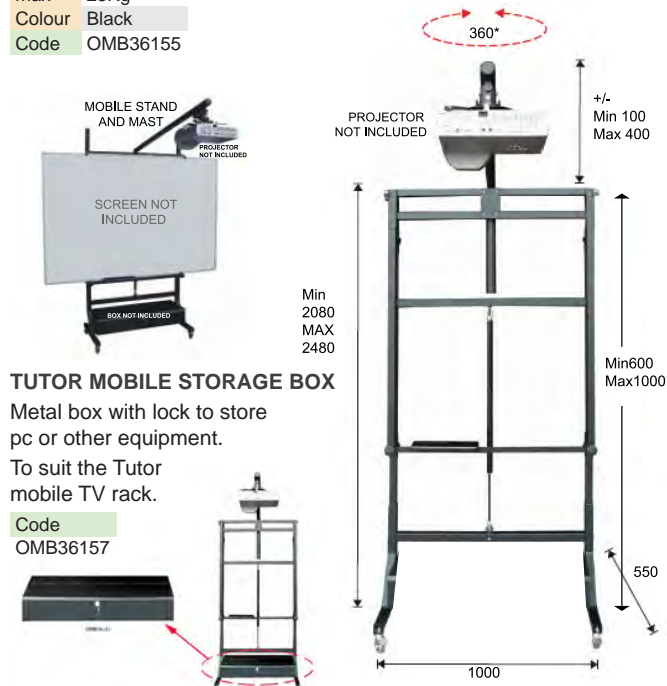
## Projector Support

### 25Kg TUTOR MOBILE MOUNTING BRACKET

#### INTERACTIVE BOARDS AND PROJECTORS SUPPORT

Universal metal tongues Locking device. 400mm gas springs height adjustment. Universal projector mounting that consents the bundling of the wires between the video projector and the computer. 2080-2480mm adjustable height. 360 degree rotation of the support and the bracket with locking device to facilitate transport. Structure weight 30kg. Supports up to 25kg. Metal storage box not included.

max 25Kg  
Colour Black  
Code OMB36155

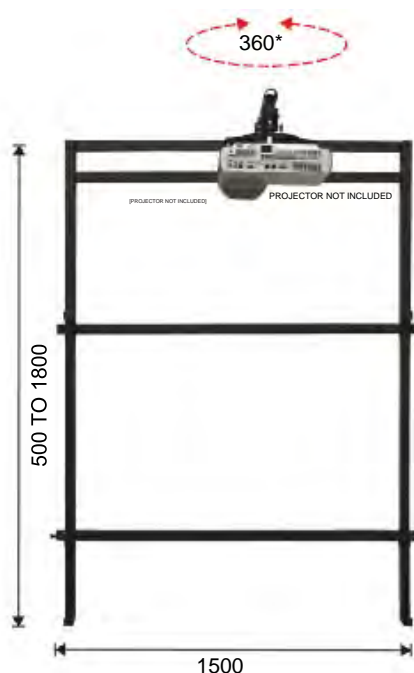


### 25Kg TUTOR WALL MOUNTING BRACKET

#### INTERACTIVE BOARDS AND PROJECTORS SUPPORT

Universal metal tongues Locking device. Height adjustment spring check pins located in 6 set positions every 10 cm for a maximum drop of 500mm. Universal projector mounting that consents the bundling of the wires between the video projector and the computer. 360 degree rotation of the support. Structure weight 17kg.

max 25Kg  
Colour Black  
Code OMB36153



### 25Kg TUTOR GAS WALL MOUNT

Tutor Gas wall mount is an elegant, sturdy mount for multi-media white-boards with projectors. This wall mount arm has a gas spring system which enables you to easily adjust the height of the board by 40cm and the height of the projector by 30cm. The projector support offers 360° rotation and cable concealment. Adjustable board height 2080mm-2480mm. Size 2480x1000x550mm. Structure weight 25kg.

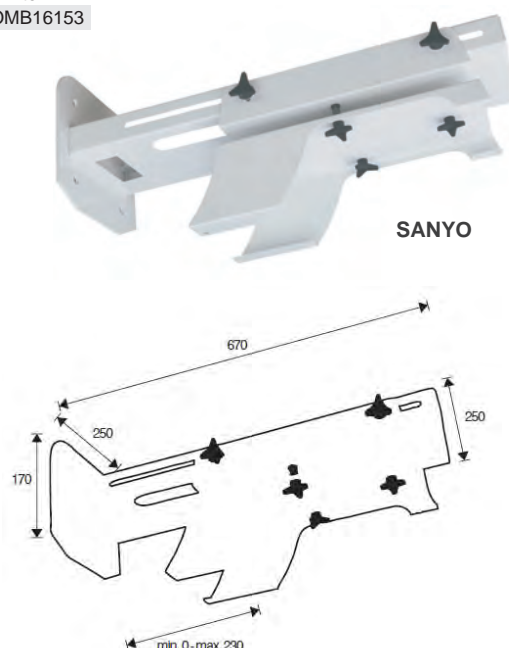
max 25Kg  
Colour Black  
Code OMB36156



### 20Kg SANYO PROJECTOR MOUNT

A wall mount suitable for video projectors such as Sanyo XL 50A and XL51A (may suit other models). The wall distance can be adjusted manually and its distinctive mechanism permits even the slightest tilt accuracy. Supports up to 20Kg.

Colour White  
Code OMB16153



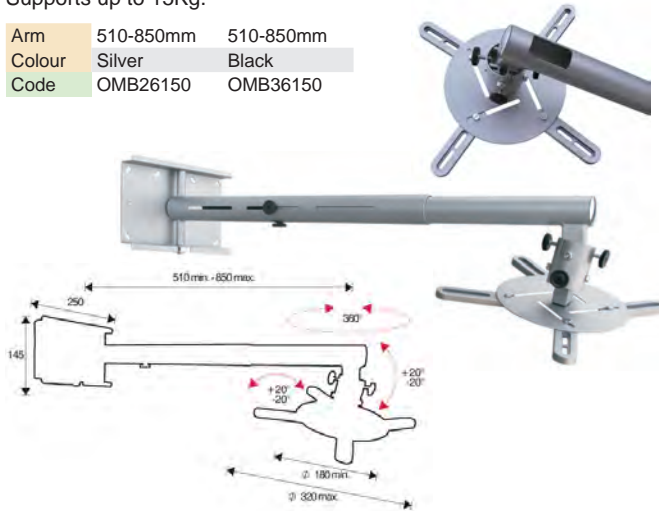




## 15Kg PROJECTOR ARM WALL MOUNT

The intuitive micrometric adjustment system provides 4 practical knobs to lock the projector in the desired position. Lateral distance can be adjusted. Universal mount with 510-850mm extension arm. Supports up to 15Kg.

Arm	510-850mm	510-850mm
Colour	Silver	Black
Code	OMB26150	OMB36150



## 15Kg PROJECTOR MAST WALL MOUNT

The intuitive micrometric adjustment system provides 4 practical knobs to block the projector in the desired position. Lateral distance can be regulated. Universal mount with 520mm arm. Supports up to 15Kg.

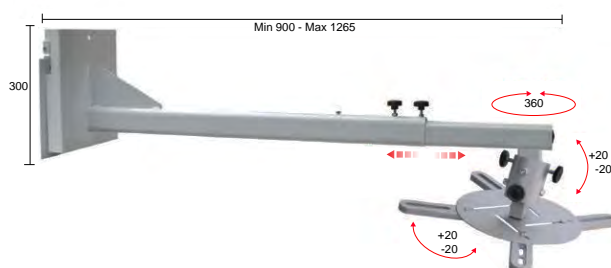
Colour	Silver
Code	OMB26084



## 15Kg UNIVERSAL WALL PROJECTOR MOUNT

Universal wall mount suitable for video projectors short view. The distance to the wall can be adjusted manually and its distinctive mechanism permits even the slightest tilt. Easy installation. 900-1265 extension arm with 360 rotation &  $\pm 20^\circ$  tilt. Supports up to 15kg.

Arm	900-1265mm
Colour	White
Code	OMB16159



## CEILING/WALL PROJECTOR MOUNT

Adjustable ceiling and wall bracket for video projectors



Colour	Weight	Code
White	15kg	OMB16090

## CEILING PROJECTOR MOUNT

Adjustable ceiling hang bracket for projectors. Universal mounting system. Firm locking system.

### MONO PROJECTOR



Colour	Weight	Code
Black	15kg	OMB06080
White	15kg	OMB16080
Silver	15kg	OMB26080

## 10Kg PROJECTOR EXTENSION ARMS

### PRECISION EXTENSION

Replaces existing arm in OMB26150 and OMB36150

Arm	800-1200mm	800-1200mm	1200-1600mm
Colour	Silver	Black	Silver
Code	OMB26151	OMB06157	OMB26152



## MONO PROJECTOR EXTENSION FINGERS

Support a bigger projector and increase the diameter for the mounting up to a maximum of 370mm. Size 140x20mm. Adjustable 100mm groove. Metal strength. Black enamel. 4 pieces.

Colour	Black
Code	OMB36084



## 15Kg CEILING EXTENSION ARMS

Easily extends the drop of the MONO PROJECTOR OMB26080/ OMB06082 Ceiling mounting bracket assembly.

Arm	Colour	Code
300-500mm	Black	OMB06081
300-500mm	White	OMB16081
300-500mm	Silver	OMB26081
500-900mm	Black	OMB06082
500-900mm	White	OMB16082
500-900mm	Silver	OMB26082
900-1700mm	Black	OMB06083
900-1700mm	White	OMB16083
900-1700mm	Silver	OMB26083





## □ Tablet Support

### OMB UNIVERSAL TABLET STAND

The OMB universal tablet stand supports tablets with screens from 7" to 10". The base of the stand can be extended from 16 cm to 22 cm and the feet of the stand can also be extended from 9mm to 19.5mm to fit tablets with different size and thickness. The user has a choice of two angles allows you to place your tablet at a convenient angle for you while you are using your tablet. You can lay the tablet onto the non-slip silicon rubber support, which is suitable for typing. Otherwise, you can place the tablet upright for reading or watching video on your tablet. The tablet stand is made with light plastic, and it has a nonslip rubber base to provides stability, so you don't need to worry about your tablet falling off.

Code  
OMB04504



### OMB UNIVERSAL SMARTPHONE GAMING PAD

SUPPORT INTENSE GAMING ON YOUR SMARTPHONE

Code  
OMB04503



### HEADREST TABLET STAND

Universal travel mount is a plastic mount for portable DVD and tablet or mini-notebook type units. Designed to be positioned to the back of the front seats of your car. Adjustable arms from 200 to 250mm.

Colour Black  
Code OMB06200



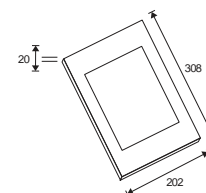
### TABLEX MOUNT AND STAND SYSTEM

The Tablex mount and stand system consists of a mountable tablet holder and the Tablex floor stand. The tablet holder can be fixed directly to the wall, or can be installed onto the Tablex stand horizontally or vertically through the VESA 100x100 hold patterns on the base plate of the tablet holder. It is equipped with an invisible tamper proof blockage system that does not interfere with Wi-Fi function.

The tablet holder comes with two different models, the Tablex block offers complete protection to the tablet, and the Tablex Touch offers greater flexibility with openings for the camera and the Home button for the iPad.

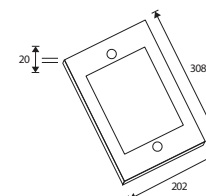
#### TABLEX BLOCK

Code  
OMB04500



#### TABLEX TOUCH

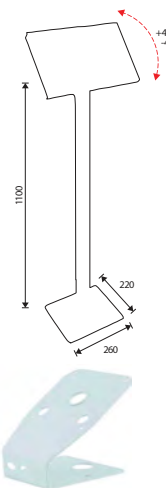
Code  
OMB04501



#### TABLEX STAND

Code  
OMB04502

Secure floor stand.  
Requires TABLEX  
Block or Touch.



#### TABLEX TILT

Desk stand for mounting  
Tablex bracket.

Code  
OMB04505



### WALL-MOUNT LAPTOP CABINET

The steel wall-mount laptop cabinet keeps the laptop completely secure when not in use. The steel frame and the safety lock protect the notebook from accidental damages. Additional space to safely stack away the mouse, connectors, extenders and other computer accessories. The notebook is fixed to the tray via predisposed holes for various sizes. Safety belts are also included.

Dimensions 600x600x130mm  
Code OMB36158







## □ CRT-TV Support

### OMB WALL MOUNT BRACKET SUPPORTS

#### TV SUPPORT

Originally purposed for older CRT type TVs, but found multiple uses like laptop support.



### 30Kg MONO-MAGIX WALL MOUNT

Attractive plastic covering conceals wire connects and adds interior decorator styling. 470mm arm length. Plate 330x275mm. Supports up to 30kg.

VESA CRT-TV  
Colour Silver  
Code OMB26000



### 30Kg MONO-SFERO WALL MOUNT

Aluminium Heavy duty strength Wall supports Painted coating Professional grade. Plate 330x270mm. 330mm arm length. Supports up to 30kg.

VESA CRT-TV  
Colour Black  
Code OMB06024



### 30Kg BI-SFERO WALL MOUNT

330mm - 465mm arm extension. Plate 330x270mm Supports up to 30kg.

VESA CRT-TV  
Colour Black  
Code OMB06031



### 30Kg BI-MAGIX WALL MOUNT

Interior decorator styling. Plate 330x270mm. 475mm arm length. Supports up to 30kg.

VESA CRT-TV  
Colour Black  
Code OMB6001



### 50Kg BI-SFERO WALL MOUNT

Aluminium Heavy duty strength Wall supports Painted coating Professional grade. Suits 330x270mm. 600mm arm length. Supports up to 50kg.

VESA CRT-TV  
Colour Black  
Code OMB452026



### 30Kg TRI-MAGIX WALL MOUNT

Full 3 point articulation. Suits 330x270mm. 715mm arm length. Supports up to 30kg.

VESA CRT-TV  
Colour Black  
Code OMB6004



### 50Kg TRI-SFERO WALL MOUNT

Aluminium Heavy duty strength Wall supports Painted coating. Plate 500x270mm. 490 arm length. Supports up to 50kg.

VESA CRT-TV  
Colour Black  
Code OMB06041



### 60Kg TRI-MAGIX WALL MOUNT

Premium grade wall support with the addition of attractive plastic covering conceals wire connects and adds interior decorator styling. Suits 320x550mm. 725mm arm length. Supports up to 60kg.

VESA CRT-TV  
Colour Black  
Code OMB06006



### 8Kg SFERO SYSTEM PLUS WALL MOUNT

Suits VCR/DVD H60/105mm. 290-510mm arm length. Supports up to 8kg. Unit bracket ONLY. Suits Sfero. Two extension arms supplied.

VESA Arms Only  
Colour Black  
Code OMB05042



ARM PAIR ONLY.  
Does NOT include TV stand (extra)



**omb®**



## □ Speaker Stands

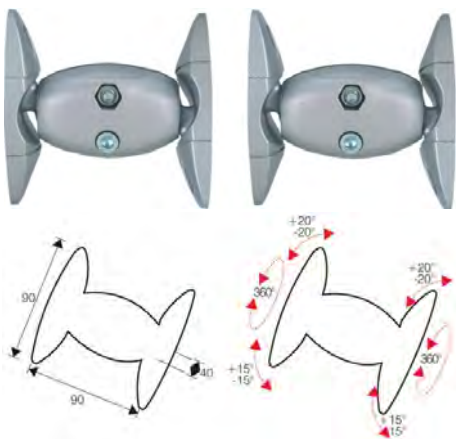
### 5Kg NEW-FLEX SPEAKER MOUNT

Sturdy plastic construction with 90mm arm. Quick and easy to install and feature a  $\pm 15^\circ$  tilt and  $360^\circ$  turn function to guarantee an optimal listening position. Supports speaker mount up to 5Kg. Sold in pairs.

Colour	White	Silver	Black
Code	OMB14041	OMB24041	OMB04041



**omb**



### 5Kg NEW-FLEX +ADAPTOR MOUNT

Sturdy plastic construction with 90mm arm. Quick and easy to install and feature a  $\pm 15^\circ$  tilt and  $360^\circ$  turn function to guarantee an optimal listening position. Supports speaker mount up to 5Kg. Sold in pairs.

Colour	White	Silver	Black
Code	OMB14042	OMB24042	OMB04042



**KIT PAIR**

### SPEAKER WALL BRACKET UNIVERSAL

#### DOUBLE OR SINGLE ELBOW

Multiple angle options  
Double joints plus bases rotate for a variety of angles Weight bearing 5Kgs Sold in pairs.  
Base 86x42mm  
Screw mounts: 50mm-70mm  
Sold in pairs.

Colour	Code
Black	SA26BL

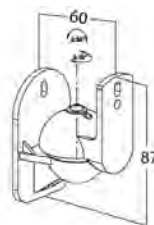
\* Not OMB



### 3.5Kg SPEAKER WALL MOUNT

Speaker brackets for satellite speakers. Pan/tilt multi angle adjustable. Sold in pairs.

Colour	Black
Code	BKT1700



**KIT PAIR**



### HEAVY DUTY ADJUSTABLE SPEAKER MOUNT

#### PROLINK STEREO PAIR

The steel and aluminium constructed heavy-duty wall/ceiling mount can hold speakers up to 15kg. Disc joint  $90^\circ$  tilt adjustment and adjustable knob offering  $360^\circ$  rotation. 140mm from the wall / ceiling. Steel security seismic cable included prevents speaks from falling off the wall.

Size	100x100x140mm
Tilt	$90^\circ$
Rotation	$360^\circ$
Weight	Up to 15kg
Code	BKT1720

\* Not OMB



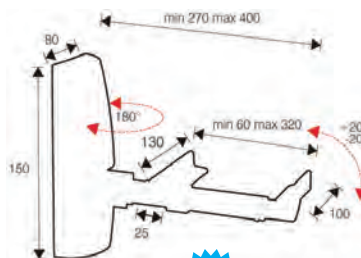
**KIT PAIR**



### 20Kg ULYSSES SPEAKER MOUNT

Sturdy steel construction with 270-400mm extension arm. Quick and easy to install and feature a  $\pm 20^\circ$  tilt and  $180^\circ$  swivel function to guarantee an optimal listening position. Supports speaker mount up to 20Kg. Sold in pairs.

Colour	Silver	Black
Code	OMB24032	OMB04032



**KIT PAIR**



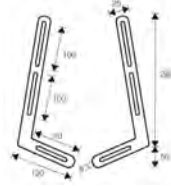




## 20Kg SOUNDBAR MOUNT

Universal mount for home theatres that enables you to perfectly integrate the audio system with your TV. This mount for speakers is compatible with all types of TVs with VESA mounting pattern and has a max weight capacity of 20 kg. Permits mounting under or on top of the TV.

Colour Black  
Code OMB06168



## EXTENSION FINGERS

### 4X METAL BRACKETS 5.5"

Suitable for sound-bar or other mounting assistance. Size 140x20mm. Adjustable 100mm groove. Metal strength. Black enamel. 4 pieces.

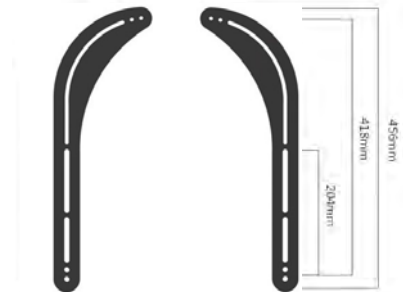
Colour Black  
Code OMB36084



## SOUNDBAR TV BRACKETS

- Attached to TV wall bracket or TV directly
- Above or below the TV installation
- Suitable for many types of soundbars

Colour Grey  
Size 456x157x2.5mm  
Code BKT1790



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## SOUNDBAR WALL BRACKET

- Easy and quick installation without any tools
- Integrated bubble level assures easy installation alignment
- Suitable for most SONOS, SONY & VIZIO sound bars

Colour Grey  
Size 105x850x15mm  
Code BKT1780

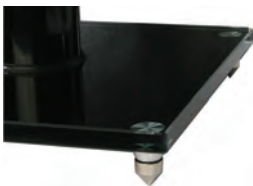
**prolink**  
Audio, Visual & Data Integration Products



## SPEAKER STANDS PAIR DELUXE

Tempered glass plinth and base. Black metal tube/s. Cable hide and adjustable spike feet. Attractive, modern stands, high performance.

Size Code  
570mm STAND570  
460mm STAND460



\* Not OMB

## SPEAKER STANDS PAIR

Black 1" Steel tubes x3 All metal construction 10AWG Steel plate base 4x Steel spike feet are Each Height adjustable Black painted finish  
Base 210x250mm  
Plate 210x170mm

### HEIGHT 600mm

Size Code  
600mm STAND600

### HEIGHT 900mm

Size Code  
900mm STAND900

\* Not OMB



## POLE MOUNT SPEAKER TRIPOD

### HEAVY DUTY 1.5" POLE

Industry Standard 1½" post (35mm). Height adjustable with lock. Height is 100cm up to 180cm. Sturdy and stable support base, three 80cm legs. Heavy duty construction Includes a 1½" base plate for adding on to equipment that does not have the suitable insertion hole. Folds up neatly for easy transportation.

Code STAND10

\* Not OMB







# AV TV SAT Install

## TV Antenna Accessories

### Connectors

#### TV / RADIO / SATELLITE

##### ANTENNA ACCESSORIES



##### TV SIGNAL ATTENUATORS

75Ω plug to socket inline  
Reduce PAL signal overload

Attenuation	Code
-3dB	SA3
-6dB	SA6
-12dB	SA12



##### PAL JOINERS

Description	Type	Code
Socket - Socket	Bulk	AD500
Plug - Plug	Bulk	AD511



##### PAL TO F ADAPTORS

Plug 1	Plug 2	Type	Code
PAL Socket	F Plug	Bulk	AD310
PAL Socket	F Socket	Bulk	AD325



##### Straight "F"

Plug 1	Plug 2	Type	Code
PAL Plug	F Socket	Bulk	AD320



##### Right Angle "F"

Plug 1	Plug 2	Type	Code
PAL Plug	F Socket	Bulk	AD329



##### PAL PLUGS & SOCKETS

###### PAL SCREW TERMINALS

Code  
P540



###### PAL PLUG CRIMP RG6

Code  
P541



MORE  
AVAILABLE  
SECTION 02

### Baluns

#### MATCHING BALUN

Convert 300Ω ribbon to 75Ω Plug

Code  
TVB1B



#### MATCHING BALUN

Convert 75Ω PAL or "F" Female  
to 300Ω ribbon.

Code  
TVB2B  
TVB2BF



#### 3.5MM TV ADAPTOR

TV Input 75Ω PAL To  
3.5mm Plug

Code  
TVA25



#### 3.5MM TV ADAPTOR

Matching Balun 300Ω In  
To 75Ω 3.5mm Plug Output.

Code  
TVB35



#### SAMSUNG TV ANTENNA ADAPTOR

7.5mm Diameter coaxial plug male to suit Samsung TV.  
Short 30mm cable to common PAL antenna Socket.

Code  
BN39-01154Q



#### MASHEAD BALUN

##### ANTENNA TO COAX

Screws directly to an  
antennas 300Ω wing-nuts.  
Convert to 75Ω coax cable  
screw terminals.  
Outdoor weather resistant

Code  
TVB6



#### MASTHEAD BALUN "F" TYPE

300Ω To 75Ω Fits Direct To Antenna.  
Direct to "F" connector.

Code  
TVB40



#### MASTHEAD BALUN SCREW TYPE

Fits direct to antenna.  
Screw terminating.

Code  
TVB45







## Diplexers

### PAL ENTRY BOX

Coax screw in - 75Ω out  
Saddle & Screw.

Code  
TVS3



### PAL DIPLEXER

75Ω Plug To  
2 x 75Ω Sockets.

Code  
TVS7



### PAL DIPLEXER

75Ω Socket To  
2 x 75Ω Sockets.

Code  
TVS7C



### PAL DIPLEXER

75Ω Plug To  
2 x 75Ω Sockets.

Code  
TVS7A



### PAL DIPLEXER

75Ω Socket to 2 X  
75Ω Sockets.

Code  
TVS7B



### UHF/VHF BAND SEPARATOR

75Ω TV Input Socket to  
2 x 75Ω plugs UHF and VHF out.

Code  
TVS18



### TV COUPLER BOXES

UHF/VHF/FM with power pass

2 WAY 75Ω

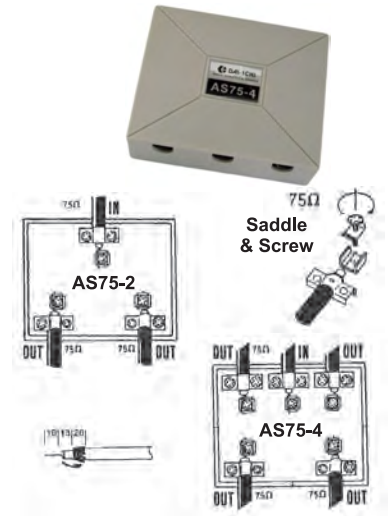
Code  
AS75-2

3 WAY 75Ω

Code  
AS75-3

4 WAY 75Ω

Code  
AS75-4



### DIPLEXERS VHF/UHF PASSIVE

Mast or wall mounted  
shielded. Bypassable power  
through. Low insertion loss  
(1dB) VHF 44-230MHz,  
UHF 520-820MHz. "F" Type.

Type Code  
"F" DPOUVF



### RF DISTRIBUTION HUB

#### COMBINER-DIVIDER

Mix the outdoor antenna with the  
RF Modulator input RF signals  
together Then amplify (gain adj.)  
Splits mix RF signal into Eight  
outputs distribution Optional IR  
Emitter output

Code  
RL-RF380



### 3 INPUT TO 4/8 OUTPUT MULTI-SWITCH

Switch is controlled by the switching voltage and further passes the  
voltage from STU through to LNBF. SAT/TV Mux solution.

Number of outputs: 4x or 8x "F"

Satellite gain: +3 dB  
Terrestrial gain: -16 dB  
Satellite: 950 - 2150 MHz  
Terrestrial: 40- 865 MHz  
Max. output level: 92 dBμV  
Current consumption: 60 mA  
LNB max. capacity: 400 mA  
Horz/Vert switch V: 12-14/15-18V

Input	Output	Code
SAT-V / H / TV	8x "F"	AIMS3W8
SAT-V / H / TV	4x "F"	AIMS3W4



### COAX CABLE 75Ω

SEE CABLE & CONNECTORS SECTION

Code  
RG59AU  
RG59U  
RG6PE  
RG6Q100



Supplied on reels.



## □ Splitters

### 2 WAY "F" SPLITTER TERRESTRIAL

All Female "F". Mix or separate.  
Terrestrial TV up to 900MHz.  
One Power pass. Metal Construction.

Freq.	Code
5 - 900MHz	FS102



### 3 WAY "F" DIPLEXER TERRESTRIAL

All Female "F" One Power pass  
Metal Construction

Freq.	Code
5 - 900MHz	FS103



### 4 WAY "F" DIPLEXER TERRESTRIAL

All Female "F" One Power pass  
Metal Construction

Freq.	Code
5 - 900MHz	FS104



### 6 WAY "F" DIPLEXER TERRESTRIAL

All Female "F" One Power pass  
Metal Construction

Freq.	Code
5 - 900MHz	FS106



### 8 WAY "F" DIPLEXER TERRESTRIAL

All Female "F" One Power pass  
Metal Construction

Freq.	Code
5 - 900MHz	FS108



### 2 WAY "F" SPLITTER TV / SAT

Labgear PTV Approved

Splits input to TV -0.9dB, 40-860MHz and  
SAT -1.5dB, 950-2050MHz with Power Pass.

Freq.	Code
40 - 2100MHz	BS20



### 2-WAY "F" SPLITTER SATELLITE

Power Pass All Legs.  
F-F Connectors 5-2050MHz

Freq.	Code
5-2050MHz	SAT1800



### 3-WAY "F" SPLITTER SATELLITE

Power Pass All Legs.  
F-F Connectors 5-2050MHz

Freq.	Code
5-2050MHz	SAT1805



### 4-WAY "F" SPLITTER SATELLITE

Power Pass All Legs.  
F-F Connectors 5-2050MHz

Freq.	Code
5-2050MHz	SAT1801



### 2 WAY "F" SPLITTER - DC BOTH WAYS

As required by some RF systems  
with IR return feature.

Freq.	Insertion Loss	Code
DC-1GHz	3.5dB	CHP2512



### 4 WAY "F" SPLITTER - DC BOTH WAYS

As required by some RF systems  
with IR return feature.

Freq.	Insertion Loss	Code
DC-1GHz	3.5dB	CHP2514



### 1 WAY TAP / DIRECTIONAL COUPLER

Single tap directional couplers. High isolation.  
Quality 5-1000MHz female "F" connectors.

Tap Value	Insertion loss @ 500MHz	Code
-6.5dB	-2.0dB	FA1-6
-8.5dB	-2.0dB	FA1-8
-10dB	-1.3dB	FA1-10
-12.5dB	-0.8dB	FA1-12
-16dB	-0.8dB	FA1-16
-20dB	-0.6dB	FA1-20
-24dB	-0.6dB	FA1-24
-30dB	-0.6dB	FA1-30



### 2 WAY TAP / DIRECTIONAL COUPLER

Double taped directional couplers. High isolation.  
Quality 5-1000MHz female "F" connectors.

Tap Value	Insertion Loss @ 500MHz	Code
-8.5dB	-4.0dB	FA2-8
-10dB	-3.0dB	FA2-10
-12.5dB	-1.8dB	FA2-12
-16dB	-1.0dB	FA2-16
-20dB	-1.0dB	FA2-20
-24dB	-0.6dB	FA2-24
-30dB	-0.6dB	FA2-30



### 4 WAY TAP / DIRECTIONAL COUPLER

Quadruple taped directional couplers. High isolation.  
Quality 5-1000MHz female "F" connectors.

Tap Value	Insertion Loss @ 500MHz	Code
-10dB	-6.0dB	FA4-10
-12dB	-4.0dB	FA4-12
-14dB	-2.5dB	FA4-14
-16dB	-1.7dB	FA4-16
-18dB	-1.5dB	FA4-18
-20dB	-1.3dB	FA4-20
-24dB	-0.6dB	FA4-24
-27dB	-0.6dB	FA4-27
-30dB	-0.6dB	FA4-30



### "F" TERMINATOR

Type	Code
75Ω	FTM75



### "F" SIGNAL ATTENUATORS

75Ω plug to socket.

Attenuation	Code
-3dB	FSA3
-6dB	FSA6
-12dB	FSA12
-18dB	FSA18







## Wall Plates TV

### "F" ENTRY BOX

"F" to "F" sockets through plate for minimum loss. Teflon insulator.

Code  
TVS70S



### "F" WALL SOCKET

"F" to "F" sockets through plate for minimum loss. Teflon insulator.

Code  
TVS60



PAY TV APPROVED

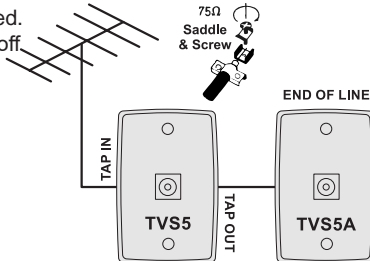
### WALL PLATE PAL SOCKET

Flush mount screw terminated. 75Ω I/O TVS5 Includes Tap-off for multiple installations.

Code  
TVS5

End of line (No Tap)

Code  
TVS5A



### WALL PLATE PAL SOCKET ("F" BACK)

Wiring your house with "F" connectors? (Back of plate) to PAL socket (Front of plate).

Code  
TVS65



### DOUBLE WALL PLATE PAL SOCKET

Flush mount 1x75Ω Coax input to splitter & 2x75Ω sockets

Code  
TVS6



### TV/FM SPLITTER SOCKET

Single saddle & screw to two 75Ω PAL Sockets. One socket goes direct to TV and the other is filtered for the FM band to reduce interference.

Code  
TVS67



### WALL PLATES - MODULAR

#### EXTENSIVE RANGE

Clipsal® Compatible Types  
WPL Keystone Types  
Communication Sockets  
Audio/Video Sockets

Design any system  
Too many to list here



• See Section Cable & Connectors

## Boosters

### 10dB TV BOOSTER

#### "F" CONNECTORS

This TV amplifier works by inserting directly into the mains power outlet, compact design. The unit has a 'F' type input and output terminal, and also two F to PAL adaptors for easy installation. Delivers 20dB maximum gain and 10dB gain control.

Freq.	46-860MHz
Gain	20dB
Noise	3.5dB
Output	100dBuV
Dimensions	96x60x40mm
Code	KDA20



### 16dB BOOSTED PAL SPLITTER GME

#### GME-KINGRAY

Economical solution Compensates for splitter losses and long coax runs in antenna installations. Boost TV antenna signal with inbuilt splitter. High grade GME. Low noise <3.5dB. "F" or PAL Sockets I/O 44-470MHz 12dB, 470-860MHz 16dB

Plug	Type	Code
PAL	4 Way	SA164
"F"	2 Way	SA162F
"F"	4 Way	SA164F

**Kingray**



### PROGRAMMABLE RF MIXER AMPLIFIER FILTER

#### MIX - FILTER - AMPLIFY - FULLY PROGRAMMABLE DIGITAL RF MIXER WITH LCD DISPLAY OR VIA PC

RF amplifier/equaliser/filter with multicluster headends to filter both digital and analogue channels. 10 totally flexible and programmable clusters to filter each channel in UHF band. High selectivity enabling the equalization of the channels

Code  
FRPRO-10A

See our web site for details



### 20dB SATELLITE BOOSTER

In-Line 20dB 950-2050MHz Amplifier. 12-20Vdc (inline with power through) F-F connectors. Inline powered.

Code  
SAT1700



### 40dB SATELLITE BOOSTER

KINGRAY

#### PAY-TV APPROVED

40dB Satellite IF 950-3000MHz. Dual input F-Type satellite distribution amplifier. Capable of powering both vertical and horizontal LNB's simultaneously via the on board regulator.

Freq.	Gain	Code
950-3000MHz	29dB	SAT29D
950-3000MHz	42dB	SAT42D

Requires power supply injector. See GME-Kingray Pages...







## TV Indoor

### UHF/VHF/FM INDOOR ANTENNA

Offers good indoor reception with a more rugged construction to handle every day knocks and crashes. 75Ω plug terminated.

Code  
ANT313



### AMPLIFIED SET-TOP ANTENNA

#### BUILT-IN LTE FILTER

Dual 85cm telescopic Pivoting/Rotating UHF Loop Antenna. 1.8M Fly lead PAL & "F" Plug 30dB (max) Booster 240Vac power pack Antenna or CTV (PAL CTV Input) to Switched output Gain adjustable. Silver.

Code  
IA800A

BUILT-IN  
30dB  
BOOSTER



### DIGITAL TV INDOOR OUTDOOR ANTENNA

#### INBUILT 20dB BOOSTER

Wall or pole mounting with bendable base. Anti UV waterproof housing for harsh environment. Injector powered by 9V adaptor(included) or STB. In built FM trap filter. Low noise amplifier technology. 190x110x40mm + base. 3M cable.

UHF 470 - 870MHz  
VHF 46 - 88, 108 - 230 MHz  
Gain 20dB Booster  
Plug "F"  
Coax RG59U 3M PAL  
Code DA5600

BUILT-IN  
20dB  
BOOSTER



### DIGITAL TV INDOOR ANTENNA PANEL

Slim antenna sits on or near your TV with a stable flip-out stand. Efficient, directional design with ultra-low noise amplifier maximises digital reception. 20 dB Booster gain. 300x150x30mm Power adaptor 1.8M cord PAL Plug

Code  
HDA1000

BUILT-IN  
20dB  
BOOSTER



### 75Ω TV/FM INDOOR ANTENNA

Adjustable Telescopic Antennae extend to approximately 1M each. Economical and a top performer. Low Loss Balun ensures correct Impedance Match. Supplied with 75Ω plug & cable 1.5M. Metal weighted base. Suction cup feet.

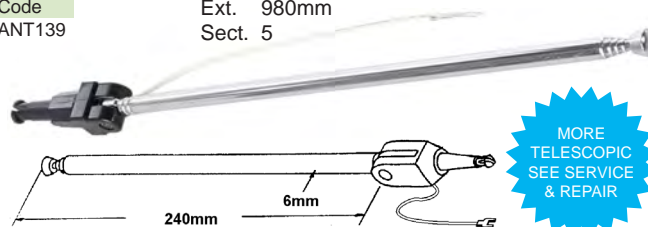
Colour Code  
WHITE ANT643W  
BLACK ANT643B



### REAR MOUNT TV ANTENNA - SINGLE

Code  
ANT139

Ext. 980mm  
Sect. 5



MORE  
TELESCOPIC  
SEE SERVICE  
& REPAIR

### REAR MOUNT TV ANTENNA - DUAL

Plugs into the back of the set. Requires Balun (TVB1B) Ext. 1000mm Sect. 5

Code  
ANT109



MORE  
TELESCOPIC  
SEE SERVICE  
& REPAIR







## □ Car / Caravan / Boat

### TV CAR ANTENNA STRIP

#### WINDOW MOUNT

Tuned to UHF & VHF  
3M Lead to "F" Plug  
40x9cm

Code  
AP172



### DIGITAL TV & DAB WHIP 3dB 950mm

#### GROUND INDEPENDENT BULL BAR MOUNT

1/2 wave, 3dB gain, ground independent, 75Ω impedance antenna that is designed specially for both Digital TV and Digital Radio. It has stainless steel spring base with a 1/2" mounting bolt. Suitable for mounting almost anywhere on a vehicle. 4 metre fly lead, no connector. 69-220MHz, 510-550MHz.

Code  
ANT848WH



## □ TV Antenna Outdoor

### See The Following Pages...

- TV Antennas Outdoor Yagi & Arrays
- AM/FM & DAB Outdoor Antenna
- Mounting Accessories



## □ Communication Antenna

### COMMUNICATIONS SECTION 06

- CB, SSB, Amateur Radio Antenna
- Cellular Mobile Phone Antenna
- Wireless Internet Broadband Antenna
- WiFi Antenna Indoor & Outdoor
- Mounting Accessories



## □ Car Antenna

### AUTOMOTIVE SECTION 09

- AM/FM Car Antennas, dozens available:
- Suits specific makes and models
- Direct replacement types

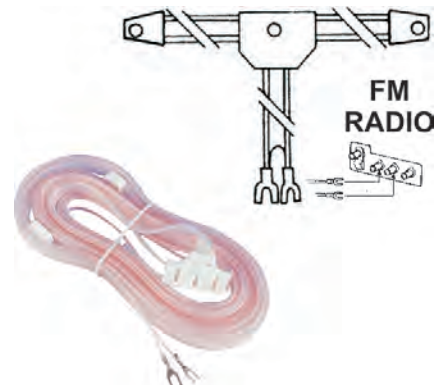


## □ FM Indoor

### FM DIPOLE ANTENNA

Indoor antenna improving signal reception for FM receivers, etc. 300Ω ribbon loop.

Code  
FM620



## □ Cordless Phone

### PANASONIC KX-T3000 PARTS

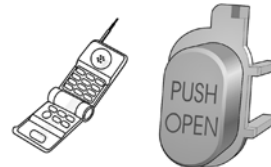
#### Membrane Lead

Code  
PQJE58Y



#### Push-Open Button

Code  
PQBD92Z



#### Original Antenna

Code  
KX-A81



### PANASONIC KX-T3000 ANTENNA

Rubber-Ducky Replacement for the popular Panasonic cordless phone model KX-T3000.

Code  
ANT300



### PANASONIC ANTENNA

Suits the popular Panasonic cordless phone models: KX-T3716, KX-T3916ALR

Code  
PQSA10028Z



### PANASONIC "RUBBER DUCKY" ANTENNA

Don't break another antenna! Replacement for Panasonic cordless phones.

Suit      Code  
KX-T3806, ANT305  
KX-T3826,  
KX-T3836



### PANASONIC PHONE ANTENNA

Suit	Original Part No	Code
KXT4000AL,	PQSA10021Z	ANT302
KXT4001AL		





## □ Signal Strength

### DIGITAL SATELLITE SIGNAL QUALITY FINDER

#### PORTABLE DIGITAL SATELLITE SIGNAL FINDER

Instrument is designed to Find any AURORA, VAST or SELECTV when selected. Satellite meter is powered via external power supply or set top box. F connector to connect the signal cable. Audible beeper. LED Display for Signal Strength & Quality.

Code  
SQ702



### SATELLITE FINDER

#### DAICHI

Connects inline with the cable. Has 2 x "F" connector sockets. Frequency range 900MHz-2.3GHz. LNB Gain 52-60dB. DC13-18V

Code  
SAT2100



### TV SIGNAL STRENGTH METER

#### TV SIGNAL FINDER

Digital TV signal strength Finder. Powered by 9V battery (not inc.) or via set top box. LED display to indicate the strength. F connector to connect the signal cable. Built in amplifier compensates insertion loss. Pocket size and lightweight. Suitable for analogue and digital application.

Code  
AITVF



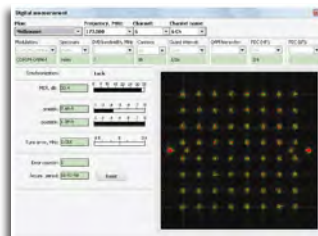
### DVB-T TERRESTRIAL METER

#### ADVANCED PROFESSIONAL HAND-HELD PORTABLE METER

Optimise test and measurement of complete Digital and Analogue television reception systems. Useful in the field or a laboratory, from antenna alignment through MATV systems to broadcast. Includes tools PC Software for exemplary graphical and operational functions.

- Modulation Error Ratio & Noise Margin
- BIT Error Ratio (BER) after Viterbi corrector
- Damaged packet count, after Reed-Solomon
- Constellation diagram signal evaluation tool
- Lock signal sync - status service found
- Digital channel signal level in channel power
- Analogue channel video / audio carrier levels
- Vision to audio and carrier to noise ratios
- Li-Ion battery up to 3 hrs
- Data logging extensive PC functionality
- Only weighs 500g

Code  
DAT103







## □ TV Antenna Boost GME Kingray

### □ Miscellaneous

#### POWER SUPPLIES WITH LINE INJECTORS

Power supplies to be used with Kingray Masthead Amplifiers.

Description	Code
9 VDC 200mA (PAL) A	PSK01
14 VDC 150mA (F Type) A	PSK06F
17.5 VAC 100mA (PAL) A	PSK08
17.5 VAC 100mA (F Type) A	PSK08F
22 VAC 100mA (PAL) A	PSK02
12 VDC 500mA (F Type) B	PSK12F
18 VDC 500mA (F Type) B	PSK18F
18 VDC 500mA (DC Plug).	PSK18S
18 VDC 1.7 Amp (DC Plug)	PSK18KR



#### POWER INJECTOR LEADS

##### AC/DC 30V 1.5A Max

Injector Only. Styles (a) or (b)

Description	Code
PAL DC Injector (to bare wire) A	PIK170
"F" DC Injector (Only) B	PIK170F
"F" to DC Socket	PIK01
"F" DC Injector (to DC Plug) B	PIK2000
"F" DC Injector (to bare wire) B	PIK2750



#### INLINE LFE FILTER

##### "F" Male-Female

Low pass filter out LTE transmissions. Passes 5MHz to 694MHz. Filters out all above 694MHz with -55dB at 750MHz. Indoor type. May fit inside some Kingray masthead housings if enough vertical room.

Code
FL-694LP



#### KINGRAY

Unmatched professional performance  
Latest innovations in technology  
Long service reliability  
Quick and easy installations  
Compliance with EMC Standards (Electromagnetic Emission AU).  
Australian made. For Free-To-Air, MATV SMATV Satellite PayTV CATV, etc.

**Kingray**



#### RELIABILITY

GME Kingray is committed to providing a reliable and cost effective product range. This has been achieved through our state of the art Australian manufacturing process and our extensive Quality Assurance procedure.



#### THREE YEAR WARRANTY

Due to the fact that every amplifier is tested prior to leaving the factory and this has resulted in an exceptional low return rate. We are pleased to offer a three year warranty on our product range.



### □ Splitter Boosters

#### SPLITTER BOOSTER 2 WAY F TYPE

High Quality economical unit. One in two out F Type sockets. 44-860MHZ 16dB of boost! Low noise, high gain quality with superior performance. Plastic case for indoor use. Mains Powered. Compact.

Plug	Type	Code
"F"	2 Way	SA162F

Also contains three F to Pal adaptors



#### SPLITTER BOOSTER 4 WAY F TYPE

High Quality economical unit. One in four out F Type sockets. 44-860MHZ 16dB of gain. 8dB Tilt Control on VHF. Plastic case for indoor use. PAL and "F" Connections. Mains Powered. Compact quad boosted splitter.

Plug	Type	Code
"F"	4 Way	SA164F

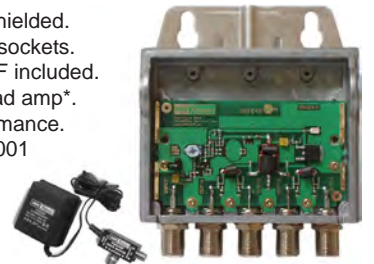
Also contains five F to Pal adaptors.



#### 16dB SPLITTER BOOSTER 4 WAY DIE-CAST "F"

High Quality economical unit. Shielded. Has one in and four out F Type sockets. Remotely powered by a PSK06F included. Power pass option to a masthead amp\*. Die cast housing for best performance. Outdoor use with optional MHB001

Gain	Code
12-16dB	SA164R



Includes PSK06F power supply.  
\*If power pass, upgrade to PSK12F or PSK18F



#### 16dB SPLITTER BOOSTER 4 WAY

"F" Connection Single input 4x Output.  
Power through (with Switch I/O)  
Remote powered (Not Inc.)  
Fixed UHF gain of 12dB  
Fixed VHF gain of 10dB  
VHF Low/High band tilt control

Gain	Code
12dB/16dB	SAM224FSDP

Includes PSK06F power supply.



#### 32dB VHF/UHF AMPLIFIER

High Performance, die-cast Free-To-Air amp  
Feeds up to 50 outlets! "F" Type connectors.  
Adjustable gain 20-32dB for UHF or VHF.  
-30dB Test Point. Dual input.  
Includes 14Vdc Power Pack.

Gain	Code
27-32dB	
VHF	44-320MHz
UHF	520-860MHz
Code	DW32



Optional masthead outdoor mounting solution. MHB001





## ❑ Masthead Amplifier Specialised

### LOW NOISE MASTHEAD AMPLIFIERS

#### HIGH PERFORMANCE RANGE

Super quiet Masthead Distribution Amplifiers from Kingray Australia. Based on the new concept development of convergent technology. The characteristics of the circuitry provides a noise figure that is lower than any other currently in the market with a high gain output that equals the DW42 distribution amp of 118dB multi purpose amplifier that is ideal for DVB TV. The combination of Low noise figure 1.6dB + high gain output makes this new series effective in all types of installations especially digital reception problem areas.

Also new to range are the 15dB MDA series. These are also very low noise design of <2.5dB and high dynamic range output of 113dB @ -60dBIM. Each has adjustable gain trim and built-in LTE filtering. 174MHz High-Pass, 694MHz Low-Pass. Made in Australia.

#### 15dB VHF AMPLIFY / UHF DIPLEXED MASTHEAD

- Australian made
- Low noise figures
- Built-In LTE Filters
- Requires Power Injector

Input	Single
I/O	"F" Connectors
VHF	10-15dB
UHF	Pass
Code	MDA15V



Requires Power Injector 14Vdc. SPK06/F

#### 15dB UHF AMPLIFY / VHF DIPLEXED MASTHEAD

- Australian made
- Low noise figures
- Built-In LTE Filters
- Requires Power Injector

Input	Single
I/O	"F" Connectors
VHF	Pass
UHF	6-15dB
Code	MDA15U



Requires Power Injector 14Vdc. SPK06/F

#### 15dB SINGLE INPUT VHF/UHF MASTHEAD AMP

- Australian made
- Low noise figures
- Built-In LTE Filters
- Requires Power Injector

Input	Single
I/O	"F" Connectors
VHF	10-15dB
UHF	6-15dB
Code	MDA15W



Requires Power Injector 14Vdc. SPK06/F

#### 19dB VHF-III/UHF BOOSTER

Fully shielded.  
F-Type connectors.  
Max. Gain of 19dB  
low noise of 1.6dB.

Gain	19dB
Band	174-860MHz
Code	MDA20HT



Requires power injection.  
PSK06F or PSK06, etc.

#### 19dB UHF BOOSTER

Fully shielded.  
F-Type connectors.  
Fixed Gain of 19dB  
low noise 1.6dB.

Band	470-860MHz
Gain	19dB
Code	MDA20UT

**Kingray**



Requires power injection.  
PSK06F or PSK06, etc.

#### 25dB SINGLE INPUT VHF/UHF MASTHEAD AMP "F"

Input	Combined VHF/UHF
I/O	"F" Connectors
VHF	12-15dB Variable
UHF	14-25dB Variable
Tilt	7-4dB Variable
Filter	LTE/FM/Pager
Code	MHW25FE



Requires power injector  
eg. PSK06F or PSK08.

#### 25dB SINGLE INPUT VHF/UHF MASTHEAD AMP "F"

Input	Single or dual input
I/O	"F" Connectors
VHF	12-15dB Variable
UHF	14-24dB Variable
Filter	LTE/FM/Pager/Band1
Code	MHW25FS



Requires power injector  
eg. PSK06F or PSK08.

#### 25dB DUAL INPUT VHF/UHF MASTHEAD AMP "F"

Input	Single or dual input
I/O	"F" Connectors
VHF	12-15dB Variable
UHF	14-25dB Variable
Tilt	7-4dB Variable
Filter	LTE/FM/Pager/Band1
Code	MHW25F



Requires power injector  
eg. PSK06F or PSK08.

#### 35dB DUAL INPUT VHF/UHF MASTHEAD AMP "F"

Input	Single or dual input
I/O	"F" Connectors
VHF	20-26dB Variable
UHF	20-35dB Variable
Tilt	16-12dB Variable
Filter	LTE/FM/Pager/Band1
Code	MHW35F



Requires power injector  
eg. PSK06F or PSK08.





## ❑ Masthead Amplifier Wideband

### 35dB SINGLE INPUT VHF/UHF INLINE AMP "F"

Boosts Inline & allows power through Combined VHF/UHF In "F" Sockets

Input	Single
I/O	"F"
VHF	18-28dB Variable
UHF	24-35dB Variable
Tilt	4dB VHF/UHF
Filter	FM/Pager
Code	MHW34FIL



Requires power injector eg. PSK06F or PSK08.

### 35dB DUAL INPUT VHF/UHF MASTHEAD AMP "F"

Input	Single or dual input
I/O	"F" Connectors
VHF	20-26dB Variable
UHF	20-35dB Variable
Tilt	16-12dB Variable
Filter	LTE/FM/Pager/Band1
Details	Shielded
Code	MHW35FS



Requires power injector eg. PSK06F or PSK08.

### 43dB DUAL INPUT VHF/UHF MASTHEAD AMPLIFIER

Input	Single or dual input
I/O	"F" Connectors
VHF	32-38dB Variable
UHF	27-43dB Variable
Filter	LTE/FM/Pager/Band1
Details	Shielded
Code	MHW43FS



Requires power injector eg. PSK06F or PSK08.

## ❑ Filters / Diplexers

### ALL IN ONE FILTER

Band-Pass Filters with 1 to 3 inputs in a Die Cast box. Rejects AM, 27 MHz, Paging, CDMA, CB, GSM, 477 MHz and FM Switchable. "F" Connectors. Low 2dB insertion loss. Can also be used as a band separator.

Code  
FL3BPMH



### DIPLEXERS VHF/UHF PASSIVE

Mast or wall mounted shielded. Bypassable power through. Low insertion loss (1dB) VHF 44-230MHz, UHF 520-820MHz. "F" Type.

Type Code  
"F" DPOUVF



## ❑ Misc

### WATERPROOF HOUSING

#### EMPTY MASTHEAD BOX

100% Waterproof housing usually supplied with "F" Type Masthead amplifiers. Now available on its own. Ideal to house any filters, splitters and connections, Indoor or outdoors.

Code  
MHB001



## ❑ Masthead Amplifier Specialised

### 25dB VHF MASTHEAD AMPLIFIER

I/O	"F" Connectors
Input	Single
VHF	15-25dB Variable
UHF	-25dB Filtered
Filter	LTE/FM/Pager/Band1 & 2
Code	MHV25F



Requires power injector eg. PSK06F or PSK08F

**Kingray**

### 24dB/34dB UHF AMPLIFY / VHF DIPLEXED "F"

#### FOR BOOSTING UHF

Input	Single or dual input
I/O	"F" Connectors
VHF	-2dB -2dB
UHF	15-25dB Variable 25-35dB Variable
Filter	LTE LTE
Code	MHU25F MHU35F



Requires power injector eg. PSK06F or PSK08.

### 35dB UHF AMPLIFY / VHF DIPLEXED MASTHEAD "F"

#### FOR BOOSTING UHF 35dB DIE-CAST SHIELDED VERSION

Input	Single or dual input
I/O	"F" Connectors
UHF	15-25dB Variable 25-35dB Variable
VHF	-2dB -2dB
Filter	LTE LTE
Details	Shielded Shielded
Code	MHU25FS MHU35FS



Requires power injector eg. PSK06F or PSK08.

### 43dB UHF AMPLIFY / VHF DIPLEXED MASTHEAD

#### REQUIRES POWER SUPPLY

Input	Single or dual input
VHF	-2dB
UHF	33-43dB Variable
Filter	LTE
Details	Shielded
Code	MHU43FS



Requires power injector eg. PSK06F or PSK08.



## □ Distribution Amplifiers

### 43dB DISTRIBUTION AMPLIFIER SPLIT-BAND

Dual band premium Distribution Free-To-Air Amplifier. Combined VHF/UHF input. Remote power (with power through) gain control for 44-470MHz and 470-860MHz. Adjustable equalisation. 5/10/15dB Die Cast. "F" Connectors.

Code  
DA43



Requires PSK12F or PSK18F/KR sold separately.

### 40dB DISTRIBUTION AMPLIFIER TRIPLE-BAND

Professional Distribution Free-To-Air Amplifier. Separate or combined VHF/UHF input. Separate gain controls for 44-144MHz, 174-300MHz and 470-860MHz to customise & optimise performance. Die Cast. "F" Connectors.

Code  
DW42



Requires PSK18F/KR/S sold separately.

### 40dB SATELLITE AMPLIFIER

Dual input and F-Type satellite distribution amplifier. Capable of powering both vertical and horizontal LNB's simultaneously via the on board regulator.

Freq.	Gain	Code
950-3000MHz	29dB	SAT29D
950-3000MHz	42dB	SAT42D



Requires PSK18F/KR/S sold separately.

## GME-KINGRAY ANALOGUE RF MODULATORS

### PROFESSIONAL STEREO & VIDEO

Fully shielded Diecast case. Agile 250KHz step adjustable. Multiple unit cascadeable. Harmonic filtering. Low noise. True stereo audio modulation. Premium video picture quality. "F" Socket RF Input/ Output. With Gain Control (63-103dB). Power supply not included. Requires power injector 12-18Vdc (PSK18S or PSK18F)

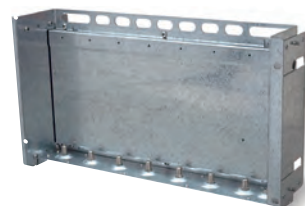


Type	Freq.	Channel	Code
VHF	44-470MHz	CH0-CH12	MD100VS
UHF	470-860MHz	CH28-CH69	MD100US

### 19" RACK MOUNT BOX WITH COMBINER

The Wall Mount assembly is designed to be also suitable for a 19" rack. It is capable of combining and single powering up to six MD100 Modulators via the passive interconnect base. The single output provides a power switch for a launch amplifier if required.

**Kingray**



Code  
KR001



### 19" RACK MOUNT INSTALLERS KIT

#### WITH SIX MODULATORS

Combines rack, power and SIX stereo A/V modulators (& room for a distribution amp)  
Rack KR001

Power	PSK18KR
VHF	MD100VS (x1)
UHF	MD100US (x5)
Code	AP61



POWERED RACK INCLUDES: MD100US (x5) & MD100VS DA43 BOOSTER IS AN OPTIONAL EXTRA

## KINGRAY HEAD END EQUIPMENT

### AUSTRALIAN DESIGNED AND MANUFACTURED

Kingray TV signal distribution products have been the unwavering choice of the TV installation industry virtually from the advent of television services in Australia. For over 50 years Kingray amplifiers, converters and modulators have consistently delivered crystal clear, interference free TV reception across the country and more recently across the Asia Pacific region.



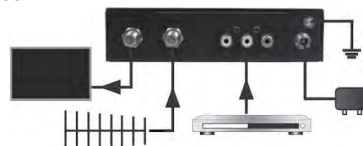
**GME Kingray** [www.gme.net.au](http://www.gme.net.au)

## DVB-T MODULATOR

### ANALOGUE VIDEO INPUT

The KDM101 is ideal for converting an analogue AV or S-VHS signal either from a satellite decoder, DVD, video surveillance camera or video door phone and modulating it into a digital format (DVB-T) for distribution in a TV cable network. With intuitive, simple menus, the KDM101 provides easy and fast installation while ensuring peak performance.

Code  
KDM101A







## □ RF Over CAT5 Distribution

### CATTV HIGH OUTPUT DISTRIBUTION AMPLIFIER

**Kingray**



#### RF OVER CAT 5 AMPLIFIER

A new way to think about RF distribution. The CAT01 is a high output distribution amplifier, capable of supplying quality signal to up to four television receivers.

The CAT01 amplifier incorporates master gain and tilt controls, plus individual gain controls for each outlet, delivering a balanced output level regardless of cable lengths.

Available separately is the Kingray KLE02 impedance matching balun cable for connection between the RJ45 wall outlet and the television ensuring optimal performance at all times.

For many years CAT5/6 cable has been used to distribute various types of data throughout offices, schools, hospitals and even private homes.

More recently CAT5/6 cabling has been used to reticulate many different signal sources such as audio, video and HDMI.

The Kingray CATTV product now makes it possible to add terrestrial TV to the signals distributed using CAT5/6 cabling.

Rounding out the range is the optional KB02 19" rack mounting bracket.

Code  
CAT01



#### OPTIONAL IMPEDANCE MATCHING BALUN CABLE

##### RJ45 TO PAL LEAD

The KLE02 is a balun transformer cable, 2 metres in length with a RJ45 on one end and a PAL connector on the other. To be used with CAT01 distribution amplifier.



Length Code  
2M KLE02

#### OPTIONAL 19" MOUNTING BRACKET

##### FIT UP TO 2 CAT01 UNITS

The KB02 is a 19" inch bracket to suit CAT01, it is capable of housing two CAT01, it is supplied with one blanking plate.

Code  
KB02



#### RJ45 WALL PLATE

Optional example of twisted pair CAT5e distribution. Connect CAT5e cable between CAT01 and a wall plate. Connect KLE02 from the wall plate to the Television.

Description	Code
Clipsal® Compatible Wall plate.	CWP01
RJ45 CAT5e Socket To Socket	WPI241



Other CAT5 connection solutions are also compatible.

#### CAT5 CABLE

Colour	Length	Code
White	0.25M	CL114WH
White	0.5M	CL115WH
White	0.75M	CL116WH
White	1.0M	CL117WH
White	2.0M	CL119WH
White	2.5M	CL120WH
White	3.0M	CL121WH
White	5.0M	CL123WH
Blue	7.5M	CL124BU
Blue	10M	CL125BU
Blue	15M	CL127BU
Blue	20M	CL129BU
Blue	25M	CL130BU
Blue	30M	CL131BU
Blue	40M	CL132BU
Blue	50M	CL133BU

MORE. SEE SECTION 02 CABLES & CONNECTORS

MORE. SEE SECTION 04 DATA & COMPUTER



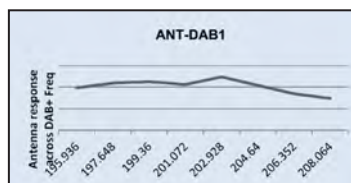


## □ TV Antenna and Satellite

## □ Radio

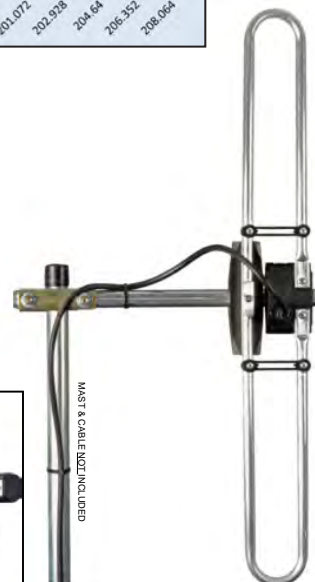
### DAB+ DIGITAL RADIO ANTENNA - DIGITEK

For maximum DAB+ radio signal and to reduce the interference of other frequencies, then go for the DAB+ folded dipole. This antenna gives more DAB+ response for its size, than many of the Band 3 VHF antennas due to its design; it has been specifically manufactured to perform best at the frequency range for the Australian DAB+ radio signals. (See Table A). The vast majority of sites in Australia (which are within a DAB+ transmission area) will get a perfectly acceptable DAB+ signal from this antenna. Tight frequency response across the DAB+ channels. (See Sweep Graph A) 360mm boom to prevent interference and reflections from the mast. Sturdy construction, dipole and balun are fixed to boom. Good for high wind locations. Vertically mounted boom. PCB balun with F Type connection.



Code

ANT-DAB1

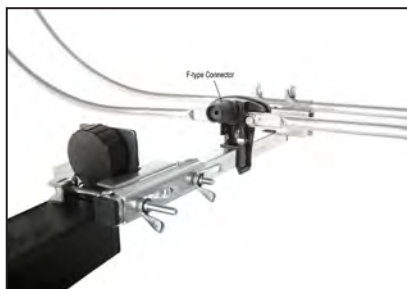


Mounting Bracket and Stand-Off Pole is included - Vertical Mast & Connection Cable is Not Included

### FRACARRO FM ANTENNA

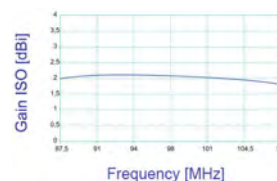
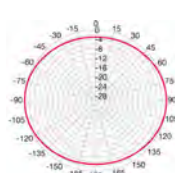
Italian made FM antenna, omnidirectional reception. May also be used in MATV and SMATV installations.

- Bandwidth: 87.5 -108 MHz
- Maximum gain: 2.1 dBi
- Return loss: -16dB
- Beamwidth (-3dB): 360°
- Wind load at 120Km/h: 29.43 Kg (N)
- Connector type: F type
- Impedance: 75 Ohm
- Maximum mast Ø: 60 mm
- Dimensions: 96x77 (H x L) cm
- Unit weight: 0.9 kg
- Saddle, screw and bracket are included
- NOTE: May be mounted with an existing TV antenna
- A 1m distance is to be maintained between the two antennas



Code

ANT1200A



Mounting Bracket and Stand-Off Pole is included - Vertical Mast & Connection Cable is Not Included





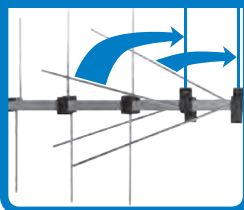
## TV Outdoor

### ANTENNA CROSS-REFERENCE

**PACKAGED - BULKY ITEMS FOR ROAD TRANSPORTING ONLY - PLEASE ALLOW EXTRA TIME FOR ROAD TRANSPORT COURIERS**

Type	Band	Channel	Elements	Gain	Back	Plug	Size	Brand	Code
Log Periodic	VHF-III	CH6-12	20	6-7.2dB	17.6dB	"F"	1090x900x55mm	Delta	DDA612LP
Yagi	VHF-III	CH6-12	6	11dB	25dB	"F"	1200x860mm	Fracarro	TERZA6HD
Log Periodic	VHF-III & UHF	CH5-12, CH21-69	16	9dB/11dB	24dB/32dB	"F"	410x1090x1010mm	Fracarro	LP345F
Log Periodic	VHF-III & UHF	CH5-12, CH21-69	18 Tilt	9dB/11dB	24dB/32dB	"F"	710x700x690mm	Fracarro	LPV345F
Log Periodic	VHF-III & UHF	CH5-12, CH21-69	28	9dB/11dB	24dB/32dB	S&S	410x1090x1010mm	Fracarro	LP345HV
Log Periodic	VHF-III & UHF	CH6-12, CH28-69	28	8.5dB/9.5dB	22dB/30dB	"F"	410x750x1200mm	Fracarro	LP345MF
Log Periodic	VHF-III & UHF	CH6-12, CH28-69	32	7.5dB/8.5dB	20dB/30dB	"F"	750x850mm	Digilog	DIGILOG
Log Periodic	VHF UHF	CH6-12, CH28-52	30	6-7dB	17.5dB	"F"	620x900x55mm	Delta	DDA652LP
Log Periodic	UHF	CH28 - CH52	18	9-10dB	14.5dB	"F"	720x280x60mm	Delta	DDA2852LP
Tribeam	UHF 4 & 5	CH21 - CH69	Tribeam	16.5dB	30dB	"F"	340x340x1040mm	Digitel	BUTRIF
Log Periodic	UHF 4 & 5	CH21 - CH69	28	11dB	36dB	"F"	420x490x1010mm	Fracarro	LP45F
Phased Array	UHF 4 & 5	CH28 - CH69	Array 4	10-14dB	16dB	"F"	800mm	Kookaburra	AKPA2

#### Foldable Elements



#### Road Transport



## VHF

### VHF 11DB YAGI - FRACARRO

Terza 6HD is characterised by an excellent gain, ease of installation and transport thanks to the elements folding. Optimised for Australian Digital TV, it is designed to pass all Australian channels from 6 to 12, thus it could deliver reliable TV reception even in difficult reception areas. Mechanical features include F connector termination and mast bracket suitable for horizontal or vertical polarity installation with a tilt adjustment. Folding 8mm elements and split boom make it easy to carry and install.



Band	VHF-III
Channel	CH6-12
Gain	11dB
Back	25dB
Plug	"F"
Size	1200x860mm
Code	TERZA6HD

### VHF 6-7.2DB LOG PERIODIC - DELTA

#### DIGITAL TV ANTENNA

The DDA612LP antenna is designed specifically for areas in which Digital TV reception in the VHF range of Channels 6 to 12 is required. This is common in the major capital cities, such as Sydney, Melbourne, Brisbane, Adelaide, Perth and Hobart. This antenna is designed for good to medium reception areas. Constructed of aluminium and with a solid folding element design, this antenna provides a 75 Ohm signal through its PCB and Moulded F outlet design. A solid well made antenna suited for the harsh Australian climate.



Band	VHF-III
Channel	CH6-12
Gain	6-7.2dB
Back	17.6dB
Elements	20
Plug	"F"
Size	1090x900x55mm
Packaging	Box
Code	DDA612LP







## □ VHF / UHF

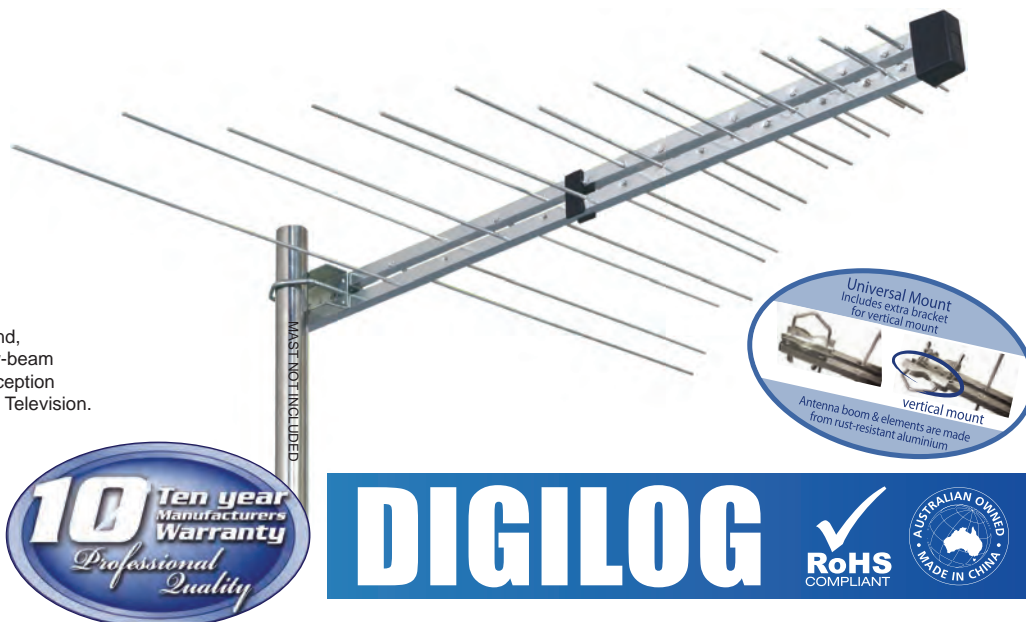
### VHF / UHF 8DB LOG PERIODIC - DIGILOG

#### DIGITAL TV ANTENNA

Wide bandwidth for reception of VHF/UHF Digital & Analogue TV  
Pre-assembled and box packaged RoHs compliant. 10 Year warranty.  
Universal bracket included mounts both horizontally and vertically.

Band	VHF-III & UHF
Channel	CH6-12, CH28-69
Gain	7.5dB/8.5dB
Back	20dB/30dB
Plug	"F"
Size	750x850mm
Code	DIGILOG

A log-periodic antenna is a broadband, multi-element, unidirectional, narrow-beam antenna that has impedance and reception characteristics best suited for Digital Television.



# DIGILOG

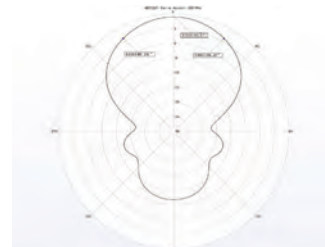
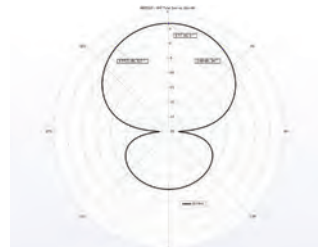
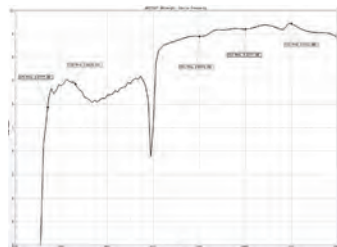
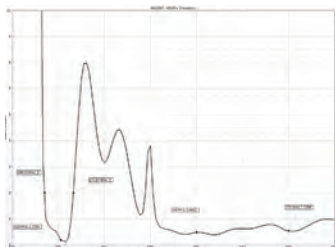
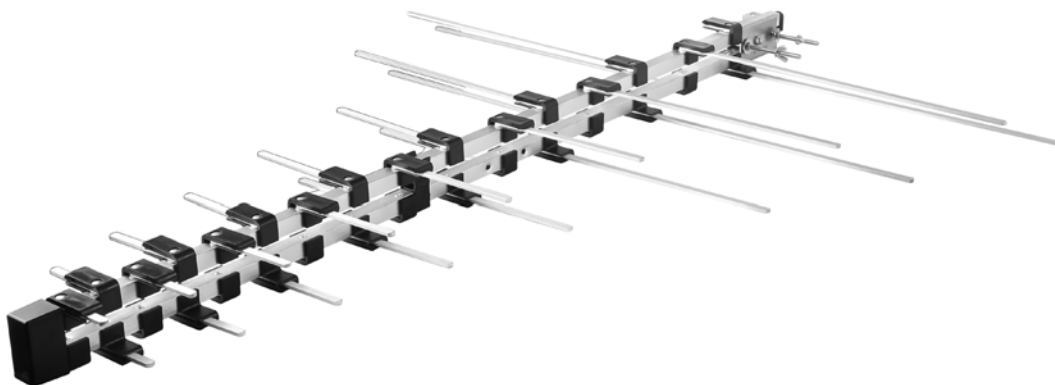


### VHF / UHF 8DB LOG PERIODIC - DELTA

The DDA652LP antenna is designed specifically to receive VHF channels 6 to 12 and UHF Channels 28-52. It comes with additional hardware to allow it to be mounted vertically or horizontally and has provision for centrally mounting the antenna. This antenna is suitable for reception from the main capital transmitters that broadcast in VHF and is able to be used on the small translators that are broadcasting UHF channel 28 to 52. It is recommended for good to fringe reception areas. Constructed of aluminium and with a solid folding element design, this Antenna provides a 75 Ohm signal through its PCB and Moulded F outlet design.



Band	VHF UHF
Channel	CH6-12, CH28-52
Gain	6-7dB
Back	17.5dB
Elements	30
Plug	"F"
Size	620x900x55mm
Packaging	Box
Code	DDA652LP





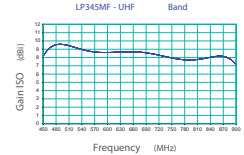
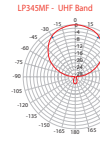
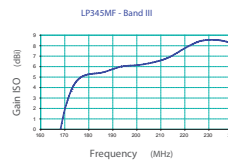
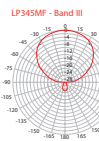
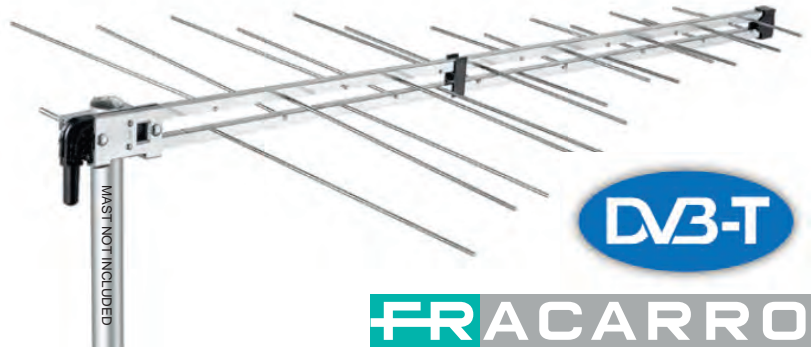


## VHF / UHF 9DB LOG PERIODIC - FRACARRO

### COMPACT VERSION

The compact Log Periodics antenna comes with similar performance to the LP345F but in a smaller size. With 8.5dB Gain on VHF, and 9.5dB Gain on UHF, it is ideal for metropolitan areas all around Australia.

Band	VHF-III & UHF
Channel	CH6-12, CH28-69
Gain	8.5dB/9.5dB
Back	22dB/30dB
Plug	"F"
Size	410x750x1200mm
Code	LP345MF



## VHF / UHF 11DB DIRECTIONAL LP - FRACARRO

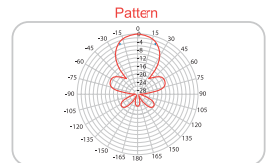
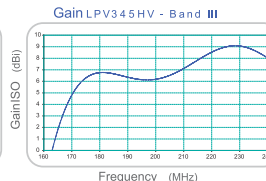
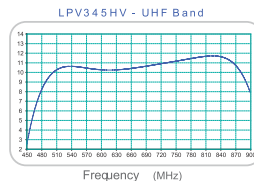
### LOG PERIODIC ANTENNA WITH INCREASED DIRECTIVITY

VHF/UHF Digital & Analogue reception.  
Mounts both horizontally and vertically.

Band	VHF-III & UHF
Channel	CH5-12, CH21-69
Gain	9dB/11dB
Back	24dB/32dB
Size	710x700x690mm
Plug	"F"
Code	LPV345F



FRACARRO



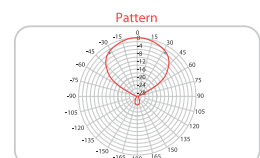
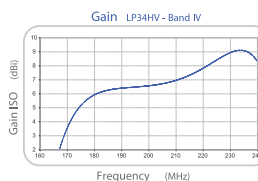
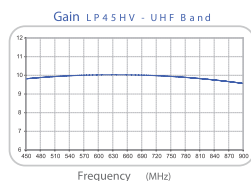
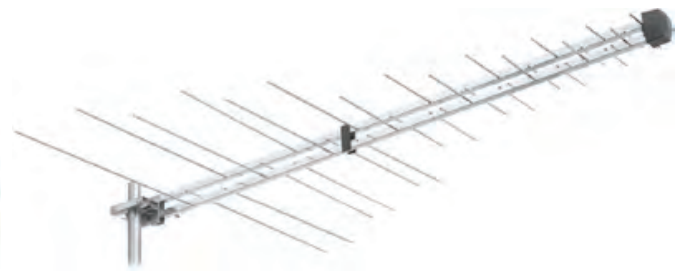
## VHF / UHF 11DB LOG PERIODIC -FRACARRO

### WIDE BANDWIDTH CH6 TO CH69

Fracarro. Italian made Log-periodic antenna.  
Highly directional with low return losses.

Band	VHF-III & UHF
Channel	CH5-12, CH21-69
Gain	9dB/11dB
Back	24dB/32dB
Size	410x1090x1010mm
Plug	S&S "F"
Code	LP345HV LP345F

FRACARRO







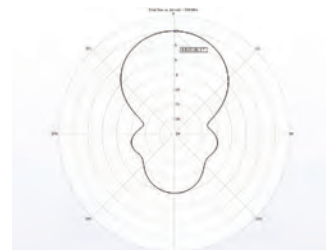
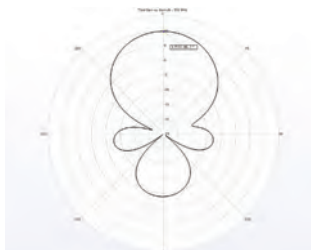
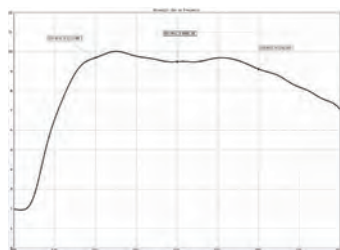
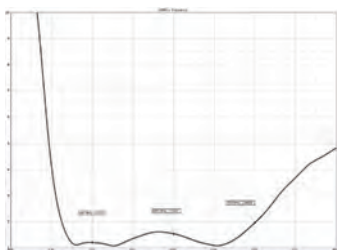
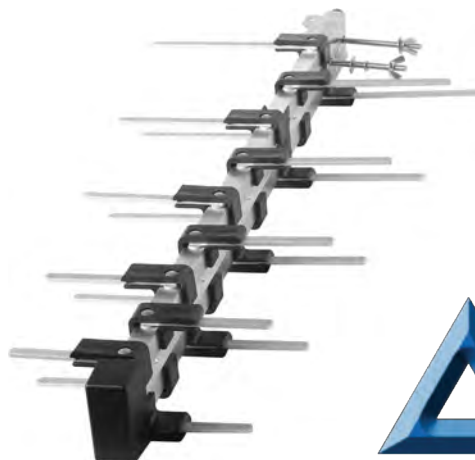
## UHF

### UHF 9.1-10dB LOG PERIODIC - DELTA

#### DIGITAL TV ANTENNA

The DDA2852LP antenna is designed specifically for areas in which digital TV reception in the range of UHF Channels 28 to 52 is required. This is common in the most of the rural areas, and for certain re-transmission towers in capital cities. This antenna is designed for good to fringe reception areas. Constructed of aluminium and with a solid folding element design, this antenna provides a 75 Ohm signal through its PCB and moulded F outlet design. A solid well made antenna suited for the harsh Australian climate.

Band	UHF
Channel	CH28 - CH52
Gain	9-10dB
Back	14.5dB
Elements	18
Plug	"F"
Size	720x280x60mm
Packaging	Box
Code	DDA2852LP



### UHF 11DB LOG PERIODIC - FRACARRO

Fracarro. Excellence in pre-assembled aerials.  
Highly reliable materials and construction.  
"F" Connection is protected with a bayonet clamp.

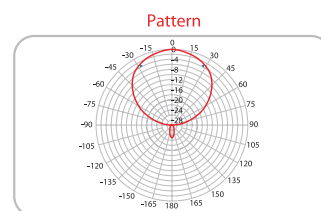
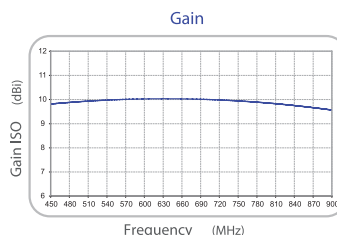
Band	UHF 4 & 5
Channel	CH21 - CH69
Gain	11dB
Back	36dB
Size	420x490x1010mm
Plug	"F"
Code	LP45F



**FRACARRO**



SADDLE & SCREW



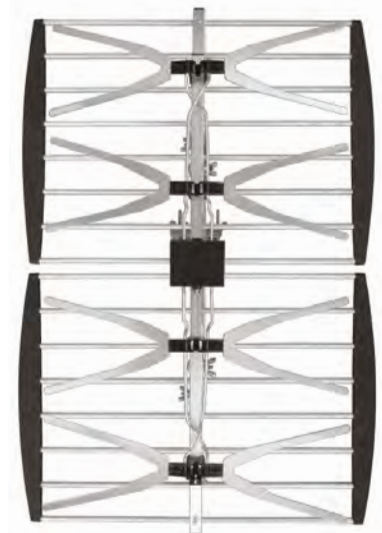
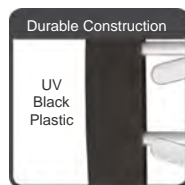
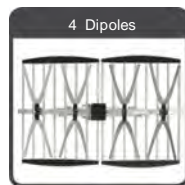




## UHF 14DB PHASED ARRAY - KOOKABURRA

Designed for superior reception of digital TV signal in UHF (Band 4 & 5)  
 Designed to reject signals where rear reflections are a problem  
 Excellent front to back ratio of >16dB  
 Horizontal beam pattern of 60°  
 Folding structure, for easy installation  
 Back bracket allows tilting of antenna  
 Polished aluminium Finish  
 Boxed for easy transport

Band	UHF 4 & 5
Channel	CH28 - CH69
Freq.	550-800MHz
Gain	10-14dB
Back	16dB
Size	800mm
Code	AKPA2



## UHF 17DB TRIBEAM - DIGITEK

Superior Gain up to 16.5dB  
 High front to back ratio of 30dB  
 Engineered and tested for the best possible DVB-T reception.  
 High quality manufacture and very economical  
 PCB "F" Connector Balun – Low loss secure connection  
 Unique Digitek designed long-life crimping method  
 Vertical or Horizontal Polarity capable  
 UV Stabilised and temperature tolerant plastics with extra strength and durability  
 Heavy Duty U Bolt and Clamp included

Band	UHF 4 & 5
Channel	CH21 - CH69
Gain	16.5dB
Back	30dB
Plug	"F"
Size	340x340x1040mm
Code	BUTRIF







## Antenna Mounting

### ANTENNA MASTS GALVANISED

#### PICKUP ONLY

32mm Galvanised Pipe

Length	Diam.	Code
3.0M	32mm	MAST30
4.5M	32mm	MAST45

PICKUP ONLY

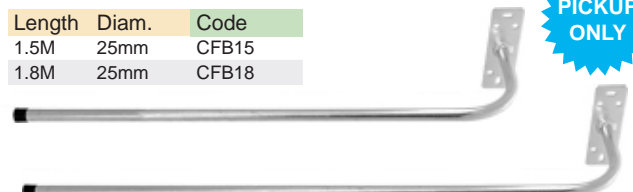


### EAVE FASCIA MASTS

#### PICKUP ONLY

Length	Diam.	Code
1.5M	25mm	CFB15
1.8M	25mm	CFB18

PICKUP ONLY



### RAFTER MASTS

#### PICKUP ONLY

Length	Diam.	Code
1.8M	25mm	RM1825
1.8M	32mm	RM1832

PICKUP ONLY



### UNIVERSAL TILE MAST

#### PICKUP ONLY

Universal adjustable tile mount kit with two extended stay bars, brackets, screws, etc. Requires a mast to suit required length.

Type	Code
Mount Kit	.UM14

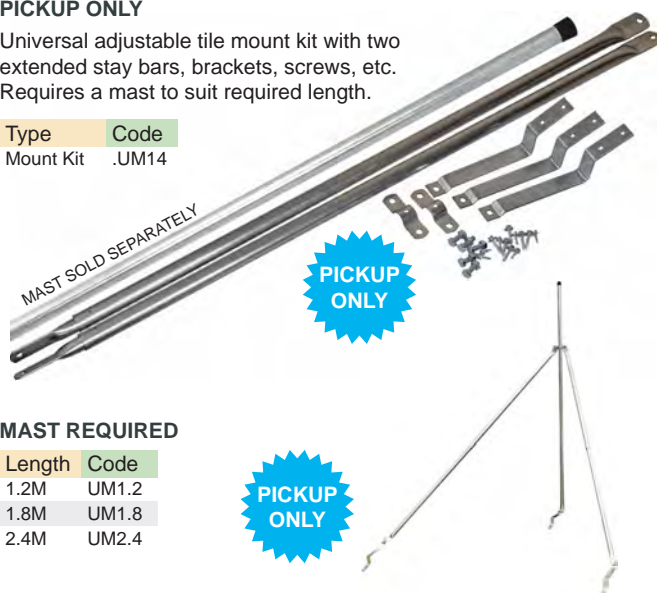
MAST SOLD SEPARATELY

PICKUP ONLY

#### MAST REQUIRED

Length	Code
1.2M	UM1.2
1.8M	UM1.8
2.4M	UM2.4

PICKUP ONLY



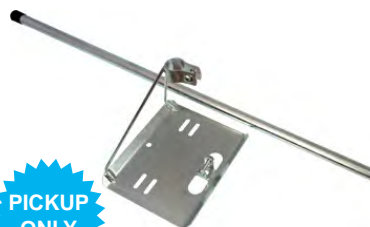
### ROOF MOUNT

#### PICKUP ONLY

Adjustable angle system for mounting mid roof with this plate.

Description	Length	Code
Tin Roof	1.5M	TPM01
Tile Roof	1.5M	TPM02

PICKUP ONLY



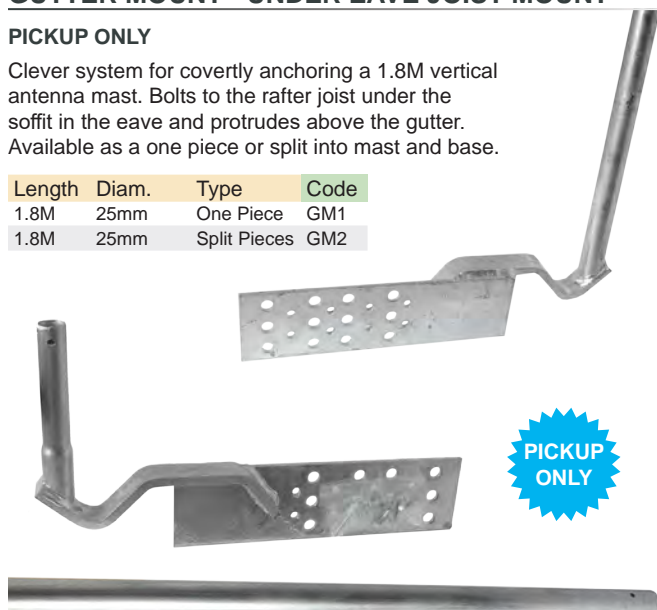
### GUTTER MOUNT - UNDER EAVE JOIST MOUNT

#### PICKUP ONLY

Clever system for covertly anchoring a 1.8M vertical antenna mast. Bolts to the rafter joist under the soffit in the eave and protrudes above the gutter. Available as a one piece or split into mast and base.

Length	Diam.	Type	Code
1.8M	25mm	One Piece	GM1
1.8M	25mm	Split Pieces	GM2

PICKUP ONLY



### STRAMIT ROOF MOUNT

#### PICKUP ONLY

Suits Stramit style aluminium roofing. Can support standard masts without guying. For masts up to 3 metres. Maximum stramit width of 35mm (Diam.)

Length	Diam.	Code
Leg 60cm	35mm	STMT5

Mast Not Included

PICKUP ONLY



ALL ITEMS ON THIS PAGE ARE NOT TRANSPORTABLE AND ARE PICKUP ONLY.





## EAVE & WALL BRACKETS

Length	Code
Flush	EVE01

Length	Code
22cm	EVE09

Length	Code
66cm	EVE27

Length	Code
100cm	EVE40



## BRACKET BOLTS & BLOCKS

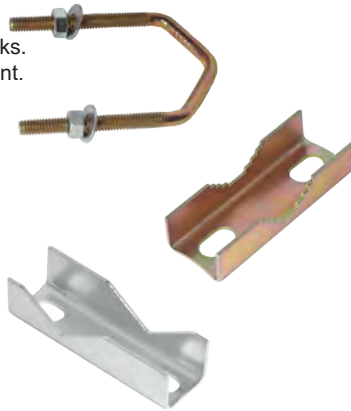
### SOLD SEPARATELY

Use the U-Bolt with three V-Blocks.  
Off-set for 90° Perpendicular mount.

Description	Code
U Bolt & Nuts	UBM01

Description	Code
V Block Straight	VBL01

Description	Code
V Block Off-Set	VBL02

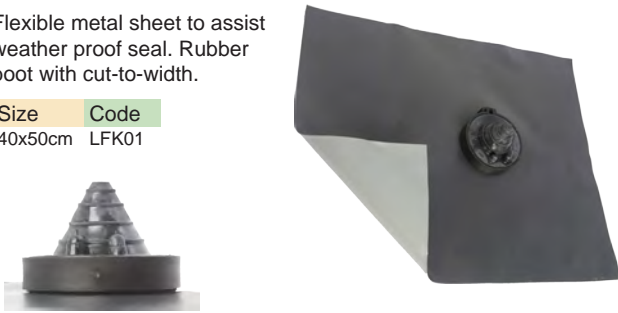


## ROOF FLASHING

### METAL SHEET & BOOT

Flexible metal sheet to assist  
weather proof seal. Rubber  
boot with cut-to-width.

Size	Code
40x50cm	LFK01



## TV ANTENNA FASCIA MOUNTING BRACKET KIT

Fascia mount bracket and 1.25 metre mast for  
attaching an antenna to a roof fascia. Easy to assemble  
and comes in display box for ease of transportation.  
Supplied with 2 brackets, 2 U-bolts with nuts &  
washers, 1.25m mast, 4 coach screws

Length	Code
1.25M	FMB1



**PACKAGED FOR  
TRANSPORTING  
AUSTRALIA WIDE**

## MAST BRACKET PARALLEL

Poles 20mm to 60mm.  
Benelec 02811

### ZINC PLATED

Code
BB102

### STAINLESS STEEL

Code
BB103



**BENELEC**  
Poles Not Included

## POLE BRACKET PARALLEL

### GALVANISED STEEL

Heavy-Duty Parallel hold bracket.  
Holds poles from 20mmØ-80mmØ.  
Includes M12 bolts and washers.  
Poles shown for illustration (Not inc.)

Code
BB108



**BENELEC**  
Poles Not Included

## MAST BRACKET RIGHT ANGLE

### GALVANISED STEEL

Heavy-Duty Right angle bracket.  
Holds poles from 20mmØ-80mmØ.  
Includes M12 bolts and washers.  
Poles shown for illustration (Not inc.)

Code
BB107



Poles Not Included

## MAST BRACKET RIGHT ANGLE

### ALL STAINLESS STEEL

Stainless steel Benelec 02810S  
Mast 1 50mm  
Mast 2 40mm  
Angle 90

Code
BB101



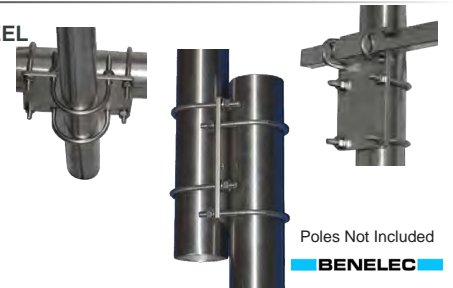
Poles Not Included

## POLE BRACKET UNIVERSAL

### ALL STAINLESS STEEL

Heavy-Duty Bracket.  
All Stainless steel.  
Benelec 02815. 2x  
Poles 32-55mm  
and/or 9-20mm

Code
BB104



Poles Not Included  
**BENELEC**

## POLE BRACKET UNIVERSAL

### ALL STAINLESS STEEL

Heavy-Duty Parallel or Right Angle.  
Boom pole from 32mmØ-110mmØ.  
Mast mount from 43mmØ-62mmØ.  
Includes M10 bolts and washers.  
Poles shown for illustration (Not inc.)

Code
BB109



Poles Not Included



## □ LNB

### KU BAND LNB SINGLE 11300

KU-Band Single Output. Suitable for OPTUS D2, INTELSAT 8KU Satellites - Worldmedia(Mysat), Vision Asia, TVB, GlobeCast, TV Plus.

- Input: 12.25~12.75GHz
- Output: 1000~2050MHz
- Conversion Gain: 60dB
- Noise Figure: 0.6 dB(Typ.)
- L.O. Frequency: 11.3GHz
- Connector: 75Ω Female "F"
- Horz: 10.5V~14.0V (VP) 80mA
- Vert: 16.0V~20.0V (HP) 80mA
- Low Band:0Hz, High Band:22KHz
- Mount: 40mmØ



#### Code

LNB1000

### KU BAND LNB SINGLE 10700

OPTUS D2, INTELSAT 8KU, OPTUS C1, WorldMedia-MYSAT, Vast, Vision Asia, TVB, Aurora, GlobeCast, TV Plus, AUSTAR, FOXTEL.

- Input: 11.70~12.75GHz
- Output: 1000~2050MHz
- Conversion Gain: 60dB
- Noise Figure: 0.6 dB(Typ.)
- L.O. Frequency: 10.70GHz
- Connector: 75Ω Female "F"
- Horz: 10.5V~14.0V (VP) 80mA
- Vert: 16.0V~20.0V (HP) 80mA
- Low Band:0Hz, High Band:22KHz
- Mount: 40mmØ



WITH CABLE BOOT

#### Code

LNB1005

### KU BAND LNB DUAL INLINE

- Input: 11.70~12.75GHz
- Output: 1000~2050MHz x2
- Conversion Gain: 60dB
- Noise Figure: 0.6dB (Typ.)
- L.O. Frequency: 10.70GHz
- Connector: 75Ω Female "F" x2
- Horz: 10.5V~14.0V (VP) 80mA
- Vert: 16.0V~20.0V (HP) 80mA
- Low Band:0Hz, High Band:22KHz
- Mount: 40mmØ



#### Code

LNB1003

### KU BAND LNB QUAD

- Input: 11.70~12.75GHz
- Output: 1000~2050MHz x4
- Conversion Gain: 60dB
- Noise Figure: 0.6dB (Typ.)
- L.O. Frequency: 10.70GHz
- Connector: 75Ω Female "F" x4
- Horz: 10.5V~14.0V 80mA
- Vert: 16.0V~20.0V 80mA
- LB:0Hz, HB:22KHz
- Mount: 40mmØ



#### Code

LNB1004

### SINGLE OUTPUT SATELLITE TV LNB

#### DUAL POLARITY

Dual polarity single output LNB for VAST, Aurora & general usage. 10.7GHz L.O. fully employs high end of I.F. for better bandwidth.

- Local Osc. Frequency: 10.7 GHz
- Input Frequency Range: 11.7-12.75 GHz
- Output Frequency Range: 1,000-2.050MHz
- Noise Figure: 0.7dB Typical



#### Code

KFM21

### DUAL OUTPUT SATELLITE TV LNB

#### DUAL POLARITY

Ultra compact design dual output LNB comes with retractable sleeve to ensure a water proof installation. Meets VAST specifications. Dual 'F' connector.

- Local Osc. Freq: 10.7 GHz
- Input Freq. Range: 11.7-12.75 GHz
- Output Freq. Range: 1,000-2.050MHz
- Noise Figure: 0.8dB Typical



#### Code

AIL107T

### 3 INPUT TO 4/8 OUTPUT MULTI-SWITCH

Switch is controlled by the switching voltage and further passes the voltage from STU through to LNB. SAT/TV Mux solution.

Input	Output	Code
SAT-V / H / TV	8x "F"	AIMS3W8
SAT-V / H / TV	4x "F"	AIMS3W4

- Number of outputs: 4x or 8x "F"
- Satellite gain: +3 dB
- Terrestrial gain: -16 dB
- Satellite: 950 - 2150 MHz
- Terrestrial: 40- 865 MHz
- Max. output level: 92 dBμV
- Current consumption: 60 mA
- LNB max. capacity: 400 mA
- Horz/Vert switch V: 12-14/15-18V



### SATELLITE C-BAND DUAL POL LNB

This dual polarity C-band LNB is suitable for satellite reception in the range 3.4-4.2 GHz. It features voltage controlled H/V switching High gain output, light weight design and 100% waterproof.

- Input Frequency Range: 3.4 ~ 4.2 GHz
- Output Frequency Range: 950 ~ 1750 MHz
- L.O. Frequency: 5.15 GHz
- F/D Ratio: 0.28 ~ 0.42 (Adjustable)
- Input Reflector Type: Prime Focus
- Cross Pol. Isolation: 15 dB (Min.) 20 dB (Typ.)
- Conversion Gain: 60 dB (Min.) 65 dB (Typ.)
- Output Return Loss: 7.5 dB
- Output Connector: 75Ω F Type (Female)
- D.C. Supply Voltage: 12 - 24V
- D.C. Current: 80mA (Max.)
- Polarity Switching Voltage:
- Vert: 11.5 ~ 14.2 V Horz: 15.8 ~ 19 V



#### Code

CFD21B





## □ Satellite

### DISEQC 2.0 SWITCH 4-WAY

#### 950-2400MHz LNB REMOTE SWITCH

4-Way DiSEqC switch. Zinc die-cast housing, nickel-plated. DiSEqC 2.0. Supports bi-directional communications.

- Frequency Range: 950-2400MHz
- Impedance: 75 Ohm
- Insertion loss: 3dB
- Return Loss: 8dB
- Isolation: 20dB
- Normal Working Voltage: 12-20Vdc
- DC Power Consumption: 10mA
- DC Max Power Passing: 500mA



Code  
SAT1000

#### 4 WAY DISEQC SWITCH WITH WEATHERPROOF CASE

Code  
SAT1004



### 22KHZ TONE SWITCH 2-WAY

#### 950-2400MHz LNB REMOTE SWITCH

Switches from LNB-A to LNB-B on the presence of a 22KHz signal.

- Frequency Range: 950-2400MHz
- Impedance: 75 Ohm
- Insertion loss: 3dB
- Return Loss: 8dB
- Isolation: 20dB
- Normal Working Voltage: 12-20Vdc
- DC Power Consumption: 10mA
- DC Max Power Passing: 500mA



Code  
SAT1002

### KU-BAND OVAL SATELLITE DISH

#### PICK-UP FROM WES OR SPECIAL DELIVERY AVAILABLE

Built for the Australian weather conditions. Manufactured from Zinc coated steel, surface coated with electrostatic polyester. Suitable for all Satellites: Optus C1, D2, Intelsat 8, 18. Requires mounting bracket for installation. Includes LNB bracket, etc. Prices are for pick-up from our Sydney showroom only.

Please contact us with location details and we can quote you for transporting costs.

Diam.	Code
62cm	DISH62
75cm	DISH75
90cm	DISH90

PICKUP ONLY



### HEAVY DUTY TWIN LEG TIN ROOF MOUNT

Tin Roof mount with stay bars. The heavy duty main shaft is 44mm in diameter and is designed to support up to 90cm satellite dish. The 22mm diameter stay bars are adjusted in length between 0.8 and 1.4 metres. Fixing kit includes self tapping screws to lock stay bars, metal roof screws and weather proofing washers. Galvanised steel.

Code  
MNT1005



### WALL MOUNT

This wall mount consists of a main steel pillar and two steel supports. Mounting bolts are included for installation. White enamel painted.

A	B	Suits	Code
150mm	340mm	62/75cm Dish	MNT1002
150mm	440mm	90cm Dish	MNT1003



### HEAVY DUTY DOUBLE GUTTER MOUNT

Heavy Duty Steel Gutter Roof Mount for Satellite Dish. Ideal for any tiled roof. Simply slide a couple of tiles up, screw the mount to both rafters and slide the tiles back down. Comes complete with mounting screws & adjustable sliding leg to suit rafter / truss. Galvanised steel trusses & fittings.

Code  
MNT1000





## □ Masthead Amplifiers

### MASTHEAD AMPLIFIERS 24dB & 36dB DUAL INPUT VHF/UHF

The masthead amplifier improves your reception by strengthening your digital TV signal. It features attenuators that provide level adjustment at each input. It also reduces interference in your signal with a tight filtering control that passes only the continuing TV bands and reduce other radio communications including LTE, GSM and other band noise. It includes a weatherproof ABS case with space for longer compression connectors, Tin plated internal shielded case reduces noise whilst inhibiting corrosion. 100% Lead free. Requires a 12V DC powered, compatible with Aerial Industries PS12DCP and PS12DCF Power Supplies sold separately.

Input	Single or dual input	Single or dual input
I/O	"F" Connectors	"F" Connectors
VHF	20dB Variable	30dB Variable
UHF	24dB Variable	36dB Variable
Filter	LTE/GSM etc.	LTE/GSM etc.
Code	AIMA224	AIMA236



### REQUIRED POWER SUPPLY WITH LINE INJECTORS

Power supplies to be used with AIMA224 and AIMA236 masthead amplifiers. The compact switch mode power supply delivers smooth and regulated DC to your masthead amplifier. Complied with MEPS requirements to save electricity. 12V DC 250mA. Available for PAL and F type connectors.

Voltage	Amps	Type	Code
12Vdc	250mA	"F" type	PS12DCF
12Vdc	250mA	PAL	PS12DCP



## □ Digital RF Control

### PROGRAMMABLE RF MIXER AMPLIFIER FILTER

#### MIX - FILTER - AMPLIFY - FULLY PROGRAMMABLE DIGITAL RF MIXER WITH LCD DISPLAY OR VIA PC

RF amplifier/equaliser/filter with multiclustor headends to filter both digital and analogue channels. 10 totally flexible and programmable clusters to filter each channel in UHF band. High selectivity enabling the equalization of the channels even with high signal variations. Simple to set up using the built in keypad and 16x2 display or uploading a pre-configured plan directly from a USB pen drive.

10 x 40MHz to 8MHz adjustable UHF channel cluster filters — up to a huge 43dB Gain.

Filter out LTE signal whilst retaining your TV channels.

Outstanding active filter selectivity delivers deep rejection of out of band signals.

2 x UHF inputs are assignable with, switchable 12Vdc or 24Vdc mast amplifier power.

AUX UHF input enables the addition of other services to your distribution.

All Band 3 input includes DAB+.

Adjustable combined output up to 110dBμV.

Auto Alignment can set signal levels automatically.

Fracarro's unique graphical PC software simplifies parameter selection, for upload via USB.

Built in programmer permits set up via integrated keypad and LCD display.

Configurations can be loaded or saved to USB for future use or multiple installs.

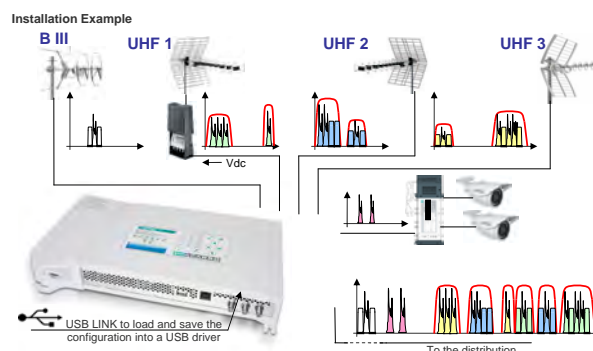
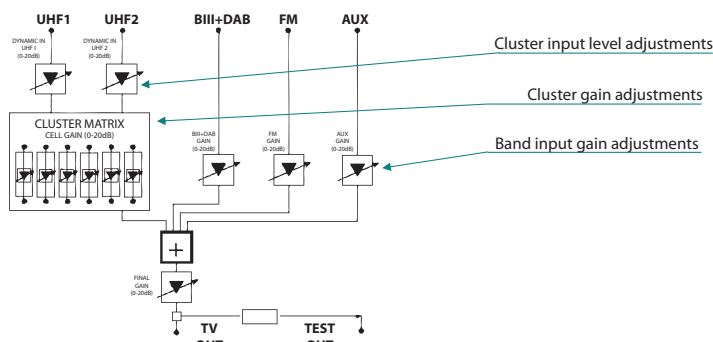
Compact and durable die-cast housing enhances cooling.

Applications include hotels, clubs, homes and any multi-channel television environment.

Easy to install in just a few minutes. All RF connectors are "F" type female.



Code  
FRPRO-10A





# Cables & Connectors



■ <b>Adaptors</b> .....	<b>102</b>	■ <b>Plugs</b> .....	<b>64</b>
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■ Cross Reference .....	102	■ BNC .....	93
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■ <b>Cable</b> .....	<b>38</b>	■ CB Microphone Plugs .....	101
■ Amp Wiring Kits .....	44	■ DC Multi-Pin .....	82
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■ Cable Ties .....	56	■ DIN .....	82
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■ Coax .....	41	■ Jack Plug .....	79
■ Communication .....	51	■ Multi-Pin Misc .....	82
■ Data .....	52	■ PAL .....	95
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■ Microphone .....	39	■ SCART .....	82
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■ Chogori Large Series .....	136	■ XLR Neutrik .....	64
■ Chogori Mini Series .....	130	■ XLR PowerCON .....	67
■ Chogori USB Series .....	138	■ <b>Prepared Leads</b> .....	<b>2</b>
■ Middle Series - Push .....	135	■ 1/4" & 1/8" Jack Plugs .....	25
■ Middle Series - Screw .....	134	■ Adaptors Accessories .....	31
■ Standard Series - Push .....	132	■ Apple® Data & Audio .....	29
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■ <b>Connectors</b> .....	<b>114</b>	■ Audio Visual .....	24
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■ Wall Plates .....	114	■ Digital Audio .....	18
		■ Digital Audio, Audio Visual .....	18
		■ DIN .....	29
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		■ DVI .....	12
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# Cables & Connectors

□ Prepared Leads

□ ProLink Series



## PROLINK AUDIO CABLE



**prolink**

Media Professionals Audio Cable



### 3.5MM TO 3.5MM STEREO PLUG

For connection between audio devices with a 3.5mm output to stereo or speaker with 3.5mm input. Compact plug barrel fits past phone cases. Gold tips.

Length Code  
2.0M MP146



### 3.5MM STEREO TO RCA PLUGS

3.5mm Stereo plug to RCA plugs x2  
Stereo audio.

Length Code  
2.0M MP147



### HIGH TENSION 3.5MM TO 3.5MM STEREO PLUG

For connection between audio devices with a 3.5mm. High tension cable stretches to two metres improves cable management. Compact plug barrel fits past phone cases.

Length Code  
2.0M MP146S



Curly Cord

### RCA STEREO TO RCA STEREO

2x RCA plugs to 2x RCA plugs.  
Stereo audio.

Length Code  
2.0M MP101



### 3.5MM QUAD PLUG TO 2x 3.5MM SOCKETS

Splitting a 3.5mm Quad plug into two 3.5mm Quad sockets.  
4 pole 3.5mm connection supports control functions of Apple® earphones, Android, etc. Compatible with standard headphones, headsets and microphone / video too.

Length Code  
0.2M MP155



Quad Plug

### TOSLINK PLUG TO TOSLINK PLUG

Toslink optical digital interconnect.

Length Code  
2.0M MP111







## PROLINK DATA CABLE



## 4 PORTS USB 3.0 HUB - SUPER SPEED

4 Port Hub for SuperSpeed USB 3.0.  
USB 3.0 Plug to 4x USB 3.0 Sockets.

Ports	Code
4	MP309



## USB-A TO USB-A 2.0

USB 2.0-A Plug to USB 2.0-A Plug.

Length	Code
2.0M	MP369



## MICRO-USB 3.0 TO USB 3.0

USB 3.0-A Plug to USB 3.0-Micro B Plug.

Length	Code
2.0M	MP358



## USB-A TO USB-B 2.0

USB 2.0-A Plug to USB 2.0-B Plug.

Length	Code
2.0M	MP366



## LIGHTNING TO USB - APPLE APPROVED - PROLINK

MF i CERTIFIED



1M long USB 2.0 to Apple Lightning sync and charging cable. Connect iPhone, iPad and iPod to computer or AC adaptor to charge or sync.  
Made For Apple.  
MF i certified.

Length	Code
1M	MP320



## 3 PORTS USB 2.0 HUB WITH ETHERNET

Macbook® USB to USB HUB & Ethernet.

Length	Code
0.15M	MP300

Windows® may require drivers.



## APPLE® 30 PIN & MICRO-USB RETRACTABLE

WITH MICRO USB TO APPLE® 30 PIN ADAPTOR

Length	Code
1.0M	MP017



## MICRO USB TO USB-A 2.0

USB 2.0-A Plug to USB 2.0-Micro B Plug.

Length	Code
1.0M	MP387



## APPLE® 30 PIN TO USB-A 2.0

Length	Code
2.0M	MP346



## MICRO USB TO USB 2.0 RETRACTABLE

USB-A Plug to USB-Micro B Plug.  
Portable retractable cable unit.

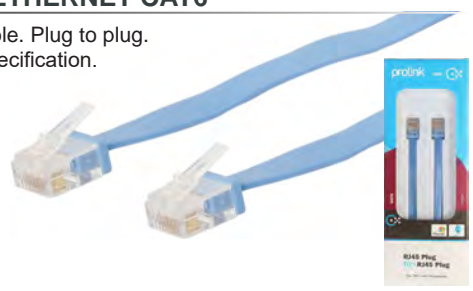
Length	Code
0.8M	MP387R



## RJ45 TO RJ45 ETHERNET CAT6

Gigabit Ethernet Cable. Plug to plug.  
Flat Cable. CAT6 Specification.

Length	Code
2.0M	MP345







## PROLINK AV CABLE



Media Professionals Sound/Vision Cable



SOUND / VISION / DATA  
MULTI MEDIA CONNECT CATALOGUE

**prolink**

AUDIO  
SOUND & VISION  
DATA & POWER

## HDMI SWITCH - 3 WAY

HDMI Switch box with HDMI cable plug output. Push button manual select and/or auto switches to an active input. 1080p HDTV 3D High Speed.

Length Code  
1.5M MP1201



## HDMI-A TO DVI-D

HDMI plug to DVI plug. Digital video.

Length Code  
2.0M MP269



## HDMI-A TO HDMI-A CABLE

HDMI cable with HEAC (Ethernet Audio Control), High Speed Ethernet and supports a resolution of up to 4Kx2K and 3D. Slim plugs gold plated pins, ultra flexible high tensile cable. 2 metres.

Length Code  
2.0M MP270



## HDMI-MICRO D TO HDMI-A CABLE

Suitable for connection between a smart phone which has a Micro HDMI output to HDTV with high resolution up to 1080p. High Speed.

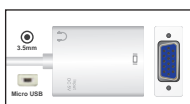
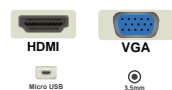
Length Code  
2.0M MP290



## HDMI-A TO VGA + AUDIO CONVERTER

HDMI Input to VGA and 3.5mm Stereo Output. Micro-USB for optional Power input.

Length Code  
0.15M MP299A



## HDMI-MINI C TO HDMI-A

HDMI mini High Speed.

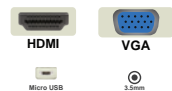
Length Code  
2.0M MP287



## HDMI-A TO VGA + AUDIO CONVERTER

HDMI Input to VGA and 3.5mm Stereo Output. Micro-USB for optional Power input.

Length Code  
0.15M MP2990



## HDMI-A TO MHL 2.0 & MICRO USB ADAPTOR S4+

Samsung® Galaxy S4+ & Note 3+ with Micro USB socket powered.

Length Code  
0.15M MP235







## DISPLAYPORT TO DISPLAYPORT

DisplayPort Plug to DisplayPort Plug.

Length	Code
2.0M	MP379



## MINI-DISPLAYPORT CABLE

Suitable for connection between devices with Mini DisplayPort, such as connection between Macbook® and iMac®.

Length	Code
2.0M	MP394



## DISPLAYPORT TO HDMI PLUG

**HBR2 4K ULTRA-HD**

DisplayPort Plug to HDMI A Plug.  
HBR2 supports up to four HD multi-stream monitors

Length	Code
2.0M	MP416



## MINI-DISPLAYPORT TO HDMI "A" CABLE

High quality interconnect for displays with HDMI, such as between Macbook® and HDTV.  
DP 1.1a 1080P 12bit HBR or UHD 4K 24bit HBR2 or HD over four multi-stream displays. Powered

Bandwidth	Code
1080p	MP340
UHD	MP415



## DISPLAYPORT TO HDMI SOCKET

Length	Code
0.15M	MP355



## MINI-DISPLAYPORT TO HDMI SOCKET

To convert Mini DisplayPort signal to HDMI format signal, connect MacBook®, MacMini® and iMac® to HDTV.

Bandwidth	Code
HDTV	MP352
UHD	MP417



## DISPLAYPORT TO VGA SOCKET

DisplayPort Plug to VGA D15 Socket Analogue Adaptor Lead.

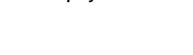
Length	Code
0.15M	MP354



## MINI-DISPLAYPORT TO DVI SOCKET

Mini DisplayPort Plug to DVI-D Socket Adaptor.

Length	Code
0.15M	MP350



## MINI-DISPLAYPORT TO DISPLAYPORT SOCKET

High quality interconnect for displays with DisplayPorts.  
DP 1.1a 1080P 12bit HBR.

Length	Code
0.15M	MP347



## MINI-DISPLAYPORT TO VGA

Convert Mini DisplayPort to VGA.  
MacMini®, iMac® or MacBook®, etc., No audio.

Length	Code
0.15M	MP351







# Cables & Connectors

## □ HDMI

### AVLINK HIGH GRADE 24AWG HDMI-A MALE TO MALE LEAD

#### HIGH SPEED - PREMIUM GRADE

Premium grade Hi-End AVLink Low-Loss Cables with high-speed ethernet. 192 Braided 24AWG Quad shielded cables. 24K Gold Plated connectors in metal plugs. Attractively double blister pack.

Length	Code
0.5M	AVL6900-05
1M	AVL6901
2M	AVL6902
3M	AVL6903
5M	AVL6905
7M	AVL6907
10M	AVL6910
15M	AVL6915
20M	AVL6920

\*No Ferrites on 0.5M



### AVLINK EXTRA-LONG HDMI CABLE - 24AWG WITH INLINE BOOSTER

#### ACTIVE SIGNAL ENHANCER FOR SUPER LONG HDMI - \*\* BEWARE ! DIRECTIONAL \*\*

This amplified cable solution is directional so it is important to install correctly in order for it to transfer image and sound. The premium grade AV-LINK active HDMI cable allows users to connect their computers, game consoles, DVD players, set-top boxes and other AV devices to a remote TV or monitor display with a HDMI connection. To achieve reliability over the distance and without losing quality, a booster is included in the cable. High Quality 24K gold plated pins with 2 ferrites. Fully Compliant and supports 4K2K/ ARC/ HEC/ FULL HD. The HDMI cable has high speed ethernet function and is compatible with 4K Ultra HD and 3D displays.

Length	Code
15M	AVL5915
20M	AVL5920
25M	AVL5925
30M	AVL5930
40M	AVL5940



CONNECT TO SOURCE —

CONNECT TO MONITOR —



**DIRECTIONAL:** These cables must be installed correctly otherwise no picture signal will result. Ensure you connect the plug labelled "INPUT" to the Source and the plug labelled "OUTPUT" to the Monitor. The booster for the 15M and 20M cable is located in the connector, for 25M, 30M, 40M, the booster is located at the middle of the cable.

### 28AWG HDMI PREMIUM GRADE HDMI-A MALE TO MALE WITH FLAT CABLE

#### 24K GOLD PIN WIDEBAND SUIT 3D & 4K

High Speed With Ethernet HDMI A-Male To A-Male leads  
24K Gold Plated Pins & Metal Plugs with modern style  
Premium copper for maximum signal integrity  
Innovative Flat Flexible Cable  
Daichi hanger bag packaged

Length	Code
0.5M	CL2000-05
1M	CL2001
2M	CL2002
3M	CL2003
5M	CL2005
7M	CL2007
10M	CL2010



### 30AWG HDMI-A MALE TO MALE WITH TILT PLUGS LEAD

#### UNIQUE DOUBLE BENDABLE HDMI PLUGS

Excellent solution for behind wall mount TVs.  
Black Cable to molded plugs that Tilt & Rotate  
Angle adjusts between 90° to 270° on both planes.  
6.0mm Diam PVC 30 AWG OFC with double shielding  
Gold plated terminal pin contacts. High speed ethernet.

Length	Code
1M	CL5601
2M	CL5602
3M	CL5603
5M	CL5605







## 28AWG HI-GRADE HDMI-A MALE TO MALE LEAD

### 28AWG WITH HIGH SPEED ETHERNET

Hi grade Daichi HDMI Certified ATC Tested. 160 Braiding.  
Gold plated plugs With noise cancelling ferrites

Length	Code
*0.5M	CL6900-05
1M	CL6901
2M	CL6902
3M	CL6903
5M	CL6905

\*No Ferrites on 0.5M



## 30AWG HI-GRADE HDMI-A MALE TO MALE LEAD

### 30AWG WITH HIGH SPEED ETHERNET

Excellent value for money cable ATC Tested. 112 Braiding.  
Gold plated plugs. With noise cancelling ferrites.

Length	Code
1M	CL5901
2M	CL5902
3M	CL5903
5M	CL5905

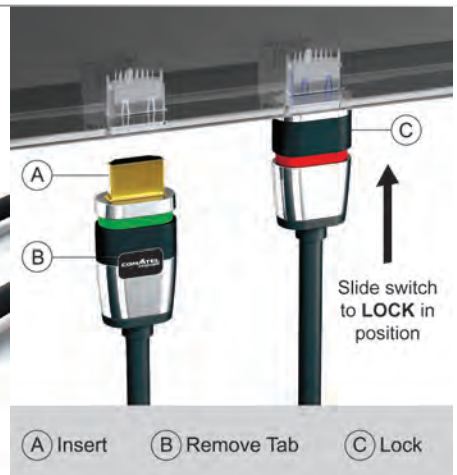


## 30AWG EASYLOCK HDMI LOCKING PLUGS

### KEEP YOUR LEADS SECURELY LOCKED IN POSITION

Locking plugs that extend and hold the plug in place  
Fully compatible with any existing HDMI receptacle.  
With Ethernet, 3D 2K/4K (4x 1080p) support.

Length	Code
0.5M	CL5000-05
1.0M	CL5001
1.5M	CL50015
2.0M	CL5002
3.0M	CL5003
5.0M	CL5005
7.5M	CL50075
10M	CL5010



## HDMI-A MALE TO MALE SLIM LEAD

### BULK PACKAGED HIGH SPEED

High Speed With Ethernet.  
HDMI Plugs "A"-Male To "A"-Male  
Full Copper Conductors plus Gold Plated Pins  
Cable thickness depends on length (AWG)

Length	AWG	Code
1M	30 AWG	CL5301
2M	30 AWG	CL5302
3M	30 AWG	CL5303
5M	28 AWG	CL5305
7M	28 AWG	CL5307
10M	26 AWG	CL5310
15M	26 AWG	CL5315
20M	24 AWG	CL5320

Style may change depending on stock.



## HDMI-A MALE TO MALE ULTRA-SLIM LEAD

### 36AWG HIGH SPEED WITH ETHERNET, 3D & 4K FEATURES

4mm extra flexible 36AWG cable construction for low profile slim line connections with high speed digital video, audio and ethernet.

Length	Code
0.5M	CL2100-05
0.75M	CL2100-075
1M	CL2100-1
1.5M	CL2100-1.5
2M	CL2100-2

### WHITE PROLINK

Length	Code
2.0M	MP270







# Cables & Connectors

## HDMI-C [MINI] MALE TO HDMI-A MALE LEAD

### 28AWG WITH ETHERNET

Hi grade Daichi HDMI Certified. 160 Braiding.  
Gold plated plugs. With noise cancelling ferrites.

Length	Code
1M	CL7401
2M	CL7402
3M	CL7403
5M	CL7405



## HDMI-C [MINI] MALE TO HDMI-C [MINI] MALE LEAD

### 28AWG WITH ETHERNET

Hi grade Daichi HDMI Certified. 160 Braiding.  
Gold plated plugs With noise cancelling ferrites

Length	Code
1M	CL7301
2M	CL7302



## HDMI-C [MINI] MALE TO HDMI-A MALE LEAD

HDMI mini High Speed.

Length	Code
2.0M	MP287

**prolink**



## HDMI-A MALE TO HDMI-D [MICRO] MALE LEAD

2.8x6.4mm

As used with mobile  
hand held devices, etc.  
High speed ethernet.

Length	Code
1M	CL5501
1.5M	CL55015
1.8M	CL55018
2M	CL5502
3M	CL5503



## HDMI-A MALE TO VGA + AUDIO CONVERTER

Digital AV to analogue converter  
module. HDMI input to VGA  
HD15 Socket and 3.5mm  
socket stereo audio output.  
Micro-USB Socket for optional  
Power Input if required.

Length	Code
0.15M	MP299A



**prolink**

## HDMI-A MALE TO VGA + AUDIO CONVERTER

Digital AV to analogue  
converter module. HDMI  
input to VGA HD15 Socket  
and 3.5mm socket stereo  
audio output. Micro-USB  
Socket for optional Power  
Input if required.

Length	Code
0.15M	MP2990



**prolink**

## HDMI FRONT PANEL MOUNT LOCK TYPE

0.3M HDMI Female front  
panel mount to HDMI male  
connector. IP67 water  
resistance. Swinging lock  
arms.

Suitable to use with Chogori  
IC02415030401 lead.



**CHOGORI®**  
Waterproof Connectors

Length	Code
0.3M	IC02415030402

## HDMI FRONT PANEL JOINT LOCK TYPE

### MALE TO MALE

1.5M HDMI Male to HDMI  
Male front panel joint cable.  
Compatible with lock type  
HDMI Female Front Panel  
Socket IC02415030402

Length	Code
1.5M	IC02415030401



**CHOGORI®**  
Waterproof Connectors

## RETRACTABLE HDMI UNIVERSAL LEAD

### WITH ADAPTORS

High speed 3D with ethernet over HDMI.  
HDMI-A Male to HDMI-A Male comes with  
HDMI D-Male to HDMI A-Female adaptor and  
HDMI C-Male to HDMI A-Female adaptor  
1.3 Metre in maximum extended length.

Code
CL54015



## HDMI-D [MICRO ] TO HDMI-A MALE LEAD

Suitable for connection between a smart  
phone which has a Micro HDMI output to  
HDTV with high resolution up to 1080p.  
High Speed.

Length	Code
2.0M	MP290

**prolink**



## HDMI-D [MICRO ] TO VGA CONVERTER

720P/1080I/P Input to VGA + Stereo Audio Output.

Plug	Colour	Code
Micro HDMI	Black	CA418BK
Micro HDMI	White	CA418WH
Micro HDMI*	White	CA459
Mini HDMI	Black	CA417

\*Includes Power Pack Booster



## MICRO USB MHL TO HDMI-A FEMALE ADAPTOR

### SAMSUNG GALAXY & OTHERS

Connect an advanced Samsung Galaxy or Note  
with MHL output to HDMI socket output.

Code
MP235

**MHL**  
Mobile High-Definition Link







## HDMI Accessories

### HDMI SWITCH - 3 WAY

HDMI Switch box with HDMI cable plug output. Push button manual select and/or auto switches to an active input. 1080p HDTV 3D High Speed.

Length	Code
1.5M	MP1201

prolink



### 3 INPUT HDMI SWITCH BOX

This 3 port HDMI switch is suitable to connect your HDMI sources to a HDMI display. Select source at unit, by remote, or automatically switches to active input. Supports 1080P resolution, 7.1CH DTS-HD, Dolby true HD loss less compressed digital audio. HDCP compliant. 225MHz bandwidth. Compact 115x70x22mm white. Powered by 5V supply, included.

Code
HDMI-313R



More See Section AV/TV/SAT Install

### HDMI 4K UHD ENHANCER

UHD Enhancer amplifies and equalizes the signal, providing high quality audio and video through an HDMI cable for distances up to 15 metres at Ultra HD resolution (4K2K@60Hz). It can be cascaded up to 5 times (with additional power supply) up to 9Gbps bandwidth rate with CDR (Clock Data Recovery), ensuring no loss of data. Powered by the HDMI output of suitability equipped source equipment or a HDMI Power Inserter can be used.

Code
CPRO-UHH



### HDMI BOOSTERS & EXTENDERS

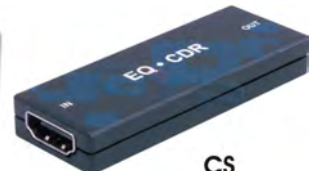
#### INLINE BOOSTER - CABLE NOT SUPPLIED

Removes "Sparkles". Additional length achieved depends on the quality of cables used. Lengths given are for a general guide only.

Description	Max.	Code
HDMI Repeater	40M/10M	CP-1269HM
HDMI Enhancer	6M/15M	CS-HH



CP



CS

More See Section AV/TV/SAT Install

### 3 WAY HDMI SWITCHER - PRO2

- 3x HDMI inputs
- 1x HDMI output
- 115(W)x120(D)x25(H)mm

Code
PRO1185



### 3 WAY HDMI SWITCHER - PRO2 REMOTE

Switch between 3 HDMI inputs to 1 HDMI output  
Supports Resolutions up to 1080p/24fps  
Supports Deep Colour, xvYCC and 3D Video  
Support High Definition Audio: Dolby TrueHD / DTS-HD Master Audio  
HDMI / HDCP 1.2 Compliant  
Change input source with IR Remote Control or Input Button on unit  
Will automatically select the next input when no signal is detected  
Supports switching DVI signal when DVI-HDMI cable or adaptor is used  
Auto Signal Boosting improves signal quality after long distance transmission  
Booster option requires power supply optional (Power supply not included)

HDMI Input	HDMI Output	Code
3x HDMI	1x HDMI	HDMI3SM



### 5 WAY HDMI SWITCHER - PRO2

Switch between multiple HDMI inputs to 1 HDMI output  
Supports Resolutions up to 1080p/24fps  
Supports Deep Colour, xvYCC and 3D Video  
Support High Definition Audio: Dolby TrueHD / DTS-HD Master Audio  
HDMI / HDCP 1.2 Compliant  
Change input source with IR Remote Control or Input Button on unit  
Will automatically select the next input when no signal is detected  
Supports switching DVI signal when DVI-HDMI cable or adaptor is used  
Use of power supply optional, Includes power supply  
Auto Signal Boosting improves signal quality after long distance transmission

HDMI Input	HDMI Output	Code
5x HDMI	1x HDMI	HDMI5SM







# Cables & Connectors

## □ DVI / HDMI Adaptors

### HDMI FEMALE TO HDMI FEMALE

Gold plated HDMI Full band-width

Code  
CA412



### HDMI FEMALE TO HDMI FEMALE RIGHT-ANGLE

Gold plated HDMI Full band-width.  
Female to Female HDMI Type-A.

Code  
CA411



### HDMI MALE TO HDMI FEMALE - RIGHT ANGLE

#### BEND

Removes cable strain.  
Solves many tight fit problems.  
Quality low loss. Gold plated.  
HDMI-A Male to Female.

Code  
CA413



### HDMI MALE TO HDMI FEMALE - TWISTY

#### BEND & TWIST

Tilts 180° Up and Down Angle.  
Twists 180° Left and Right.  
Quality low loss. Gold plated.  
HDMI-A Male to Female.

Code  
CA414



### HDMI-A FEMALE TO HDMI-C MALE [MINI]

#### MINI HDMI

HDMI-A Plug is the Standard sized  
HDMI HDMI-C Plug is new Mini plug  
HDMI-A Female  
HDMI-C Male

Code  
CA410



### HDMI TO MINI-HDMI TO MICRO-HDMI ADAPTOR

Gold plated HDMI converter adaptor.  
Quality low loss. Convert a HDMI  
cable to connect to either Mini  
HDMI-C or Micro HDMI-D

Code  
CA472



### HDMI MALE TO DVI FEMALE ADAPTOR

Plug A	Plug B	Code
DVI Female	HDMI Male	CA400
DVI Female	HDMI Female	CA458



### DVI MALE TO HDMI FEMALE

Code  
CA401



## □ Monitor Adaptors

### MINI-DISPLAYPORT TO HDMI FEMALE

#### 0.15M ADAPTOR LEAD

Bandwidth	Type	Code
HDTV	Prolink	MP352
HDTV	Installer	CA439
[V1.2] 4K	Installer	CA449
1200P	Active	CA453



### MINI-DISPLAYPORT TO DVI ADAPTOR

#### DVI DIGITAL

Type	Code
Prolink DVI-D	MP350
Installer DVI-I	CA429
Active DVI-I	CA452



### M1-DA TO RCA COMPONENT VIDEO ADAPTOR

#### ANALOGUE YUV OUTPUT

Code  
CA422



### M1-DA TO VGA ADAPTOR

#### M1-DA MALE TO VGA FEMALE

15cm adaptor cable allows  
M1-DA port to connect to  
VGA analogue output. M1-DA  
also known as EVC & P&D  
connectors projectors and  
some display monitors.

Code  
CA424



### M1-DA TO DVI ADAPTOR

#### M1-DA MALE TO DVI FEMALE

M1-DA also known as EVC & P&D connectors

#### 15CM CABLE

Code  
CA421

#### ADAPTOR

Code  
CA420



### M1-DA TO HDMI ADAPTOR

#### M1-DA MALE TO HDMI FEMALE

M1-DA port to DVI output.  
M1-DA also known as  
EVC & P&D connectors  
commonly used on  
projectors and some  
display monitors.

Code  
CA423







## DVI GENDER CHANGER

### FEMALE TO FEMALE

All Pins wired DVI-I (A & D)

Code  
CA406



## DVI SPLITTER

### DVI-I [M] TO 2X DVI-I [F]

Connect two monitors to the one video source

Code  
CA217



## LFH59/DMS59 TO DUAL DVI SPLITTER ADAPTOR

Design for DMS59 workstations to connect to multiple DVI monitors. This DMS59 cable can connect 2 monitors with a DVI outlet.

Quality molded connectors for reliability and long lifespan.

Code  
CA219



## DVI-A MALE TO 2xVGA FEMALE ADAPTOR

Extracts VGA from DVI-I (Integrated)  
Requires DVI-A (Analogue Out)  
Then splits to 2x VGA HD-15 Females

Code  
CA6504



## MICRO DVI TO DVI DUAL-LINK ADAPTOR

### MICRO DVI MALE TO DVI 24+1 FEMALE

Code  
CA445



## MICRO DVI TO VGA ADAPTOR

### MICRO DVI MALE TO VGA FEMALE

Code  
CA446



## HDMI TO VGA CONVERTER

### WITH ANALOGUE 3.5mm AUDIO OUTPUT

Flexible design & a line through function. Simply plug n play, no external power supply or driver required. HDMI Input. VGA out up to 720p/1080i/1080p.

Code  
CA415



## DVI-A MALE TO VGA FEMALE ADAPTOR

Code  
CA6502



## DVI-A FEMALE TO VGA MALE ADAPTOR

Code  
CA6503



## VGA GENDER CHANGER

Description	Code
Female-Female	CA206
Male-Male	CA204



## □ DVI, HDMI

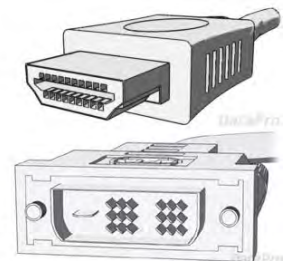
## DVI-D TO HDMI-A MALE TO MALE LEAD

### DIGITAL VIDEO ADAPTOR LEAD

Length	Code
1M	CL6801
2M	CL6802
3M	CL6803
5M	CL6805
7.5M	CL6807
10M	CL6810
15M	CL6815



ATC Tested  
Noise Ferrites  
Gold Plated



## HDMI-A TO DVI-D LEAD

HDMI plug to DVI-D plug. Digital video.

Length	Code
2.0M	MP269







## □ DVI

### DVI-I TO DVI-I DIGITAL LEADS

#### DVI-I DUAL LINK MALE TO MALE LEAD

Length	Code
2.0M	CL5102

#### DVI-I DUAL LINK MALE TO FEMALE LEAD

Length	Code
2.0M	CL5202



	DVI-D (DVI Digital) Dual Link, 24+1
	DVI-D (DVI Digital) Single Link, 18+1
	DVI-I (DVI Digital & Analog) Dual Link, 24+5
	DVI-I (DVI Digital & Analog) Single Link, 18+5
	DVI-A (DVI Analog), 12+5

### DVI-D SINGLE LINK MALE TO MALE LEAD

#### 28AWG LEAD

Length	Code
1M	CL6601
2M	CL6602
3M	CL6603
5M	CL6605

#### 24AWG LEAD

Length	Code
5M	CL6606
7.5M	CL6607
10M	CL6610
15M	CL6615



**BUY IN BULK & SAVE !**  
Purchase 10 or more and save 10%

### DVI-D SINGLE LINK MALE TO FEMALE LEAD

#### 28AWG

Length	Code
1M	CL7701
2M	CL7702



### DVI-D DUAL LINK MALE TO MALE LEAD

#### 28AWG

Length	Code
1M	CL7601
2M	CL7602
3M	CL7603
5M	CL7605
7.5M	CL7607
10M	CL7610
15M	CL7615



### DVI-D DUAL LINK MALE TO FEMALE 28AWG LEAD

#### 28AWG LEAD

Length	Code
1M	CL7701
2M	CL7702



### DVI-D TO DFP20 DIGITAL ADAPTOR LEAD

#### DVI-D TO DFP20 LEAD

Length	Code
2.0M	CL6511

#### DVI-D TO DFP20 LEAD

Length	Code
5.0M	CL6515



## □ DVI, VGA

### DVI-A TO VGA ANALOG ADAPTOR LEAD

#### DVI-A TO VGA

M1-DA port to DVI output. M1-DA also known as EVC & P&D connectors commonly used on projectors and some display monitors.

Length	Code
2M	CL6502
5M	CL6505







## VGA

### VGA EXTENSION MALE TO FEMALE

HD15 Monitor Interconnect. Gold Plated Pins.  
Black. High Quality cable with noise filter.

Length	Code
2M	CL6302
3M	CL6303
5M	CL6305
7.5M	CL6307
10M	CL6310
15M	CL6315
20M	CL6320
30M	CL6330
40M	CL6340



### VGA CABLE MALE TO MALE

HD15 Monitor Interconnect. All pins wired.  
High Quality cable with noise filter.

Length	Code
0.5M**	CL6399
0.5M	CL6400
1.0M	CL6401
2.0M	CL6402
3.0M	CL6403
5.0M	CL6405
7.5M	CL6407
10M	CL6410
15M	CL6415
20M	CL6420
30M	CL6430
40M	CL6440



### 15 PIN VGA MALE TO MALE

#### STRAIGHT TO RIGHT ANGLE CONNECTOR

High performance VGA cable.  
Dual noise filter.

Length	Code
1.8M	CL4102
3M	CL4103
5M	CL4105
10M	CL4110



### VGA CABLE MALE TO MALE WITH AUDIO

#### HD15D & 3.5mm MALE TO MALE

High grade video monitor leads with stereo audio built in for convenient connections to VGA monitors and speakers.

Length	Code
1M	CL6201
2M	CL6202
3M	CL6203
5M	CL6205
7.5M	CL6207
10M	CL6210
15M	CL6215
20M	CL6220
30M	CL6230



### VGA RGBVH BREAK-OUT CABLE [5x BNC]

High density 15 pin to 5x BNC plugs. RGB & VH Sync  
Noise suppressor

Length	Code
2.0M	CL645



### VGA RGBVH BREAK-OUT CABLE [5x RCA]

High density HD15 pin Male Plug to 5x RCA Male Plugs. RCA: RGB Plus V&H Sync. Suit projectors, pro-monitors, etc. Gold plated pins. High-Grade Double shielded. Analogue video.

Length	Code
1.8M	CL7202
3.0M	CL7203
5.0M	CL7205



### VGA TO RGB BREAK-OUT CABLE [3x RCA]

High density HD15 pin to 3x RCA plugs. Red Green Blue.  
Suit projectors, etc. Gold plated pins. Double shielded.

Length	Code
1.8M	CL7102
3.0M	CL7103
5.0M	CL7105



### VGA TO RGB BREAK-OUT CABLE [3x BNC]

HD15M to 3x BNC Plugs.  
Premium Quality cable with noise filter.  
Gold plated Pins. Silver plated BNC.  
Beige. Colour plugs.  
Length 2M  
BNC RGB

Length	Code
2.0M	CL646







# Cables & Connectors

## □ DisplayPort

### DISPLAYPORT TO DISPLAYPORT LEAD

Displayport Cable  
Male to Male

Length	Code
1M	CL8101
2M	CL8102
3M	CL8103
5M	CL8105
7.5M	CL8107
10M	CL8110



### DISPLAYPORT TO DISPLAYPORT LEAD

Displayport Plug to Displayport Plug.  
Prolink packaged series.

Length	Code
2.0M	MP379



### DISPLAYPORT SPLITTER LEAD

Two Displayport monitors  
can be connected to mirror  
image on both monitors  
(does not allow extended  
desktop display).

Length	Code
0.3M	CA434



### DISPLAYPORT EXTENSION LEAD

Displayport Male to Displayport  
Female extension cable.

Length	Code
0.2M	CL81102
1.5M	CL81115



### DISPLAYPORT TO HDMI LEAD

Displayport Plug to HDMI A Plug.

Length	Colour	Code
1.0M	Black	CL8301
1.5M	Black	CL83015
2.0M	Black	CL8302
2.0M	White	MP416
3.0M	Black	CL8303
5.0M	Black	CL8305

White = Prolink Deluxe Packaging



### DISPLAYPORT TO HDMI SOCKET LEAD

Displayport interface to a HDMI display.  
Active adaptors give a better signal over  
longer cable distances and upgrades older  
graphics cards outputs. 1080p. 15cm lead.

Type	Colour	Brand	Code
Passive	White	Prolink	MP355
Passive	Black	Installer	CA443
Active	Black	Installer	CA451



### DISPLAYPORT TO HDMI ADAPTOR

Displayport 1.1a Graphics AV  
Outputs to HDMI Monitor

Type	Code
Passive	CA436
Active	CDPH-1P



Active Cypress Taiwan.

### DISPLAYPORT TO VGA ADAPTOR

Displayport to VGA Adaptor

Length	Type	Colour	Code
0.15M	Installer	Black	CA437
0.15M	Prolink	White	MP354



### DISPLAYPORT TO MALE VGA CABLE

Displayport to VGA unidirectional cable,  
suitable for connecting from a source  
with Displayport interface to a monitor,  
or projector with a VGA interface.

Length	Code
1.8M	CL8402
3.0M	CL8403



### DISPLAYPORT TO DVI-D ADAPTOR

Displayport to DVI-D Socket adaptor lead.

Brand	Colour	Code
Installer	Black	CA435

#### ACTIVE

Type	Colour	Code
Active	Black	CA450



### DISPLAYPORT TO MALE DVI-D CABLE

1.8M Displayport to DVI unidirectional cable, suitable for  
connecting from a source with Displayport interface to a  
monitor or other output devices with a DVI outlet.

Length	Code
1.0M	CL8501
1.8M	CL8502
3.0M	CL8503
5.0M	CL8505
10M	CL8510



### LFH59/DMS59 TO DUAL DISPLAYPORT LEAD

Design for DMS59 workstations to connect to multiple DP monitors.  
This DMS59 cable can connect 2 monitors with DisplayPort leads.  
Quality molded connectors for reliability and long lifespan.

Code
CA218



### DISPLAYPORT TO MINI DISPLAYPORT CABLE

Connect your desktop, notebooks and other  
mobile devices with mini Displayport to  
monitors or TVs with a Displayport interface.

Length	Colour	Code
1.0m	White	CL8201
2.0m	Black	CL8202BK
2.0m	White	CL8202
3.0m	White	CL8203



### DISPLAYPORT TO MINI-DISPLAYPORT ADAPTOR

Male Displayport to female Displayport. 20cm or 2M.

Length	Colour	Code
2.0m	White	CL8202F







## □ Mini DisplayPort

### MINI-DISPLAYPORT CABLE

#### MALE TO MALE

Length	Bandwidth	Code
2.0M	1080p	MP394
2.0M	1600p	CL8602

MP394 is Prolink Packaged



### MINI-DISPLAYPORT EXTENSION LEAD

#### MALE TO FEMALE

8.64Gbps full bandwidth 2560x1600@60Hz colour depth 16bits. DPCP, etc.

Length	Colour	Code
2.0M	White	CL8602F



### MINI-DISPLAYPORT TO DISPLAYPORT SPLITTER

It can mirror image on both monitors. But It does not allow extended desktop display. 30CM overall length. Fully molded ends ensure heavy duty usages.

Length	Code
0.3M	CA431



### MINI-DISPLAYPORT TO DISPLAYPORT ADAPTOR

#### MINI-DP PLUG TO DISPLAYPORT FEMALE

Mini Displayport Plug to Displayport Socket Adaptor Lead 15cm.

Bandwidth	Code
1080p	MP347

\* Prolink Packaged



### MINI-DISPLAYPORT TO HDMI SOCKET

To convert Mini Displayport signal to HDMI format signal, connect MacBook®, Mac-mini®, iMac® to HDTV. V1.1a

Length	Type	Code
0.15M	Prolink	MP352
0.15M	Installer	CA439

#### MINI-DP V1.2

Bandwidth	Code
[V1.2] 4K	CA449

#### ACTIVE MINI-DP HDMI

Bandwidth	Code
1200P	CA453



### MINI-DISPLAYPORT TO HDMI LEAD

High quality interconnects for Mini-DP and displays with standard HDMI, such as connection between Macbook® and HDTV. DP 1.1a 1080P 12bit HBR or UHD 4K 24bit HBR2.

Length	Bandwidth	Code
2.0M	1080p	MP340
2.0M	UHD	MP415



### MINI-DISPLAYPORT TO HDMI LEAD

The Mini DisplayPort to HDMI cable enables you connect a PC or laptop with mini DisplayPort to an HDMI TV, monitor or projector. Supports full HD resolution at up to 1920 x 1200px.

Length	Code
0.5M	CL87005
1.0M	CL8701
2.0M	CL8702
3.0M	CL8703



### MINI-DISPLAYPORT TO VGA ADAPTOR

#### APPLE® iMAC® & MACBOOK®

Mini-Displayport Plug to VGA 15 Pin Socket so as to connect a standard analogue VGA type monitor to an Apple® Mini-DisplayPort Short length lead 15cm

Length	Type	Code
0.15M	Prolink	MP351



### MINI-DISPLAYPORT TO VGA LEAD

#### MINI-DP MALE TO VGA MALE

Connect an analogue monitor to a Mac.

Length	Code
2.0M	CL8902



### MINI-DISPLAYPORT TO DVI ADAPTOR

#### MINI-DP MALE TO DVI FEMALE

Connect a Digital Video DVI type monitor to an Apple® Mini-DisplayPort. Short length lead 15cm

Length	Type	Code
0.15M	Installer DVI-I	CA429
0.15M	Prolink DVI-D	MP350
0.15M	Active DVI-I	CA452



### MINI-DISPLAYPORT TO DVI LEAD

#### MINI-DP MALE TO DVI-D MALE

Connects Mac to DVI Monitors.

Length	Code
2.0M	CL8802



### MINI-DISPLAYPORT TO HDMI / DVI / DISPLAY PORT

#### MINI-DISPLAYPORT MALE TO HDMI, DVI & DISPLAY PORT FEMALE

Length	Type	Code
0.15M	Installer	CA441



### MINI-DP & DISPLAYPORT MULTI-MONITOR X3

#### DISPLAYPORT X3 - ALL FEMALE 1.1a

Input	Output	Code
1x DisplayPort	3x DisplayPort	CDP-13DPI

#### MINI-DISPLAYPORT X3 - ALL FEMALE 1.1a

Input	Output	Code
1x mDP	3x mDP	CMDP-13MDPI



## □ MHL

### MICRO USB MHL 2.0 TO HDMI ADAPTOR

#### SAMSUNG® GALAXY & OTHERS

Connect an advanced Samsung® Galaxy or Note with MHL output to HDMI socket output. Mirror the audio/video content of the cell phone up to a resolution of 1080p. White 15cm.

Code
MP235







# Cables & Connectors

## Apple® Digital Video

### MINI-DVI TO DVI-D & HDMI FEMALE

Code  
CA427



### MINI-DVI TO VGA FEMALE

Code  
CA425



### MINI-DVI TO DVI-D FEMALE

Code  
CA426



### MINI-DVI TO HDMI FEMALE

Code  
CA428



### 30 PIN TO HDMI FEMALE ADAPTOR

#### HDMI FEMALE

For iPad® only.

Length Code  
200mm MDC9060



### APPLE® AUDIO VIDEO DATA CABLE

#### APPLE® CERTIFIED

iPod®, iPhone®, iPad® Approved.  
Composite video out.  
Stereo Audio out to RCA.  
Data to USB out & charge.  
1.5M Length. White.  
Attractively Packaged.

Code  
APL35



### APPLE® AUDIO VIDEO CABLE

#### APPLE® CERTIFIED

Uses Apple® docking adaptor.  
Composite video out.  
Stereo Audio out to RCA.  
Data to USB out & charge.  
1.5M Length. White.  
Attractively Packaged.

Code  
APL40



### QUAD AUDIO VIDEO SPLITTER

3.5mm 4 Pin Plug To 2x  
3.5mm 4 Pin Sockets.

Code  
AD9052

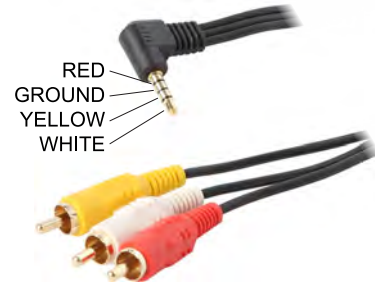


## Quad 3.5mm AV

### QUAD TO 3x RCA AV ADAPTOR

4 Pin 3.5mm Quad Plug To 3xRCA Stereo Audio Red/White and Composite Video Yellow.

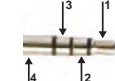
Type Code  
RCA Plugs VC86  
RCA Sockets VC487



### QUAD 2.5mm TO AV CABLE

4 Pin 2.5mm Quad Plug To 3xRCA Stereo Audio Red/White and Composite Video Yellow.

- 1/ White (Tip)
- 2/ Yellow
- 3/ Ground
- 4/ Red



Code  
VC286



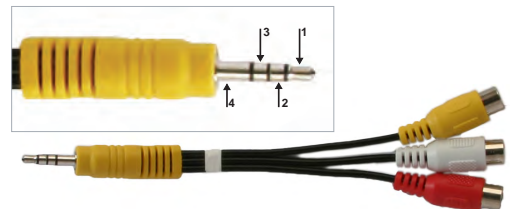
### QUAD TO 3x RCA AV ADAPTOR

#### SAMSUNG® HISENSE

4 Pin 3.5mm Quad Plug To 3xRCA Stereo Audio Red/White and Composite Video Yellow.

- 1/ Yellow
- 2/ Red
- 3/ White
- 4/ Ground

Code  
VC81



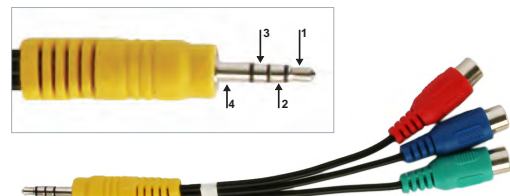
### QUAD TO 3x RCA COMPONENT ADAPTOR

#### LG® SAMSUNG® HISENSE

This 3.5mm to RCA component cable features a 4-pin 3.5mm male plug and standard female component video outlets (Red/Green/Blue), tested for major brand TV monitor such as Samsung, LG and Hisense

- 1/ Green
- 2/ Blue
- 3/ Red
- 4/ Ground

Code  
VC83



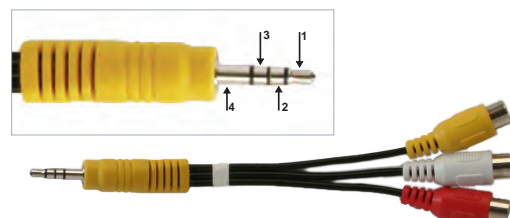
### QUAD TO 3x RCA AV ADAPTOR

#### LG®

4 Pin 3.5mm Quad Plug To 3xRCA Stereo Audio Red/White and Composite Video Yellow.

- 1/ Yellow
- 2/ White
- 3/ Red
- 4/ Ground

Code  
VC84





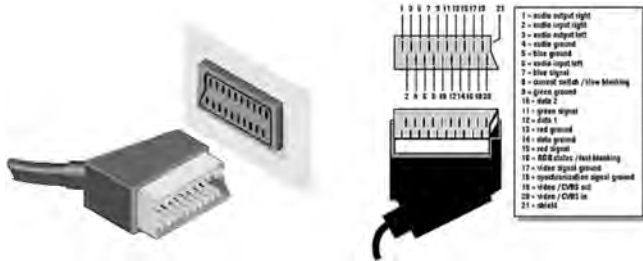


## SCART

### SCART

#### SYNDICAT DES CONSTRUCTEURS D' APPAREILS RADIORECEPTEURS ET TELEVISEURS

21-Pin Euro-SCART Euroconnector as used with analogue video, Pay-TV, Satellite Set-Top Boxes, DVRs, etc.



### SCART TO S-VIDEO

#### BREAKOUT BOX

To SCART Monitor S-VHS & Composite Video. Stereo Audio.

##### Code

AD904



#### BREAKOUT BOX

Switchable as I/O S-VHS & Composite Video. Stereo Audio.

##### Code

AD905



#### RGB/YUV ADAPTOR

Suits both Input/Output. 3x RCA Video I/O Only. No Audio.

##### Code

AD906



### SCART TO SCART

All relevant pins wired straight through  
Shielded Video & Audio. Both ways

Description	Code
SCART Plug to SCART Plug 1.5 Metres In Length	VC19
SCART Plug to SCART Plug in bulk. No packaging. 1.2M.	VC18
Packaged 3M Version	VC20



### SCART BREAK-OUT COMPOSITE BNC & STEREO I/O

Description	Code
SCART Plug To 4 x RCA Plugs (Audio) and 2 x BNC Plugs. (Video) 1.5 Metres In Length.	VC23



### SCART BREAK-OUT COMPOSITE RCA & STEREO I/O

Description	Code
SCART Plug To 4 x RCA (Audio) and 2 x RCA Plugs. (Video) 1.5 Metres In Length.	VC24
SCART Plug To 4 x RCA (Audio) and 2 x RCA Plugs. (Video) 3.0 Metres In Length.	VC25

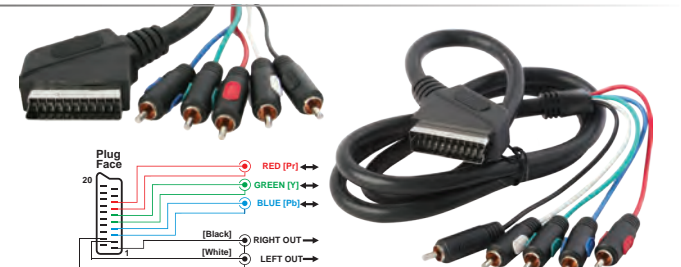


### SCART TO RGB WITH AUDIO

#### RGB / YUV SCART CONNECTOR

3x Video Out & 2x Audio out. For connecting a SCART Output Source to an RCA Input on a Monitor or TV

Description	Code
SCART Plug to 5 x RCA. 1.2 Metres In Length	VC28
SCART Plug to 5 x RCA. 3.0 Metres In Length	VC29



### FOXTEL® SCART [GENUINE]

#### FOXTEL® SCART to VCR-DVR Record and Playback (I/O)

Description	Code
Composite Video/Audio I/O . 1.5M SCART Plug to 6 x RCA	FOX320

#### FOXTEL® SCART to S-Video

Description	Code
S-Video & Audio Output (RCAx2) 1.5M	FOX330







# Cables & Connectors

## □ Digital Audio

### TOSLINK TO TOSLINK - MICRO FLEX

2mm Quality Flexible. Bulk.

Length	Code
1.0M	OPTO111
2.0M	OPTO112
3.0M	OPTO113



### TOSLINK TO TOSLINK - OEM GRADE

4mm Heavy duty cable jacket. Bulk.

Length	Code
1.0M	OPTO121
3.0M	OPTO123



### TOSLINK TO TOSLINK - PROLINK

Toslink optical digital interconnect 4mm.

Length	Code
2.0M	MP111



### TOSLINK TO TOSLINK - OPTOLINK PREMIUM GRADE

5mm tough protective casing. Gold tip with polished window, spring loaded for best optical contact. Heavy duty plug casing with rubber finger grip and cable strain relief. Made in Taiwan. Quality product suitable for Audiophile applications.

Length	Code
0.5M	OPTO2000
1.0M	OPTO2001
2.0M	OPTO2002
3.0M	OPTO2003
5.0M	OPTO2005
7.5M	OPTO2007
10M	OPTO2010
12.5M	OPTO2012
15M	OPTO2015



### TOSLINK TO TOSLINK - WHITE PEARL SERIES

Metal Plugs. High grade cable. Beautiful exclusive cables

Length	Code
1.0M	CXS1502
2.0M	CXS1503
3.0M	CXS1504



### MINI TOSLINK TO MINI TOSLINK - MICRO FLEX LEAD

4mm Quality Flexible black interconnect.

1.0M	OPTO211
3.0M	OPTO213
5.0M	OPTO215



### MINI TOSLINK TO TOSLINK - MICRO FLEX LEAD

4mm Quality Flexible black interconnect.

1.0M	OPTO221
3.0M	OPTO223
5.0M	OPTO225



### MINI TOSLINK TO TOSLINK - WHITE PEARL SERIES LEAD

Metal Plugs. High grade cable. Beautiful exclusive cables

Length	Code
1.0M	CXS1520
3.0M	CXS1522



## □ Digital Audio, Audio Visual

### TOSLINK & RCA LEAD (Composite Video)

1x RCA Composite Video and 1x TOS-Link Optical fibre cable

Length	Code
1.0M	OPTO301



### DIGITAL INTERCONNECT - ORANGE RCA LEAD

WIDE-BAND DIGITAL COAXIAL LEAD 75Ω 6mm QUAD SHIELDING RG6 PREMIUM GRADE. GOLD PLATED METAL PLUGS.

Length	Code
0.8M	OFC501
1.5M	OFC502
3.0M	OFC503
5.0M	OFC505
10M	OFC510
15M	OFC515







## Digital Audio

### TOSLINK ADAPTOR

For Toslink to Toslink extension.

Code  
OPTO709



### TOSLINK SPLITTER

Divide an optical output into two. Splits Toslink using a lens. All sockets.

Code  
OPTO810



### MINI TOSLINK ADAPTOR

For Toslink to 3.5mm plug adaptor.

Code  
OPTO710



### TOSLINK RIGHT ANGLE

Male end rotates 360°

Code  
OPTO708

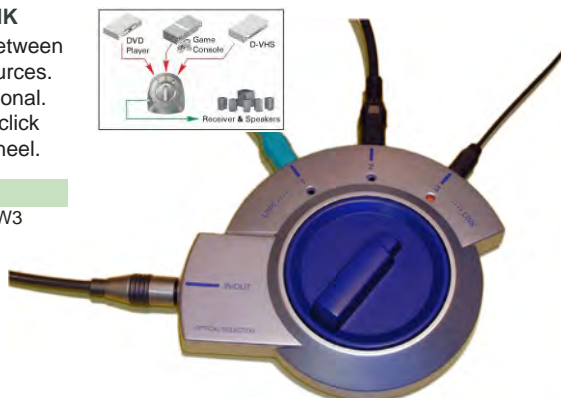


### OPTICAL CABLE SELECTOR

#### TOS-LINK

Select between three sources. Bi-directional. Positive click select wheel.

Code  
OPTO-SW3



### DIGITAL OPTICAL AUDIO SWITCHER

#### COMPACT TOSLINK SELECTOR

Select from two digital optical inputs to one output, using TOSLink (Optical Fibre) cables. Can run up to 5 metres and provide reliable and lossless audio signal transmission.



DCT17 Has Remote Control

Input	Output	Code
Optical x 2	Optical x 1	DT-21
Optical x 4	Optical x 1	DCT-17

### DIGITAL OPTICAL AUDIO SPLITTER

#### DIGITAL OPTICAL AUDIO SPLITTER

TOSLink (Optical Fibre) cables required. The Optical Fibre cables connected to both ends of the unit can run up to a range of 5 metres while still able to provide reliable and lossless audio signal transmission. The product is compact and easy to install, which makes it a very handy gadget, recommended for either home or professional audio distribution.

Input	Output	Code
Optical x 1	Optical x 2	DT-12



### OPTICAL TO COAX CONVERTER

Digital stream I/O. 70x45x22mm. P/Pack supplied.

Code  
OPTO830



### COAX TO OPTICAL CONVERTER

Digital stream I/O. 70x45x22mm. P/Pack supplied.

Code  
OPTO820



### AUDIO FORMAT CONVERTER

#### VICE-VERSA and/or LINE EXTENDER

Converts Coaxial (S/PDIF) to Toslink or Toslink to Coaxial and repeater. Accepts S/PDIF audio signal input through either Coaxial cable or Toslink cable, and passes the signal (as is) to both its coaxial and Toslink output ports. With its built-in amplification feature, can also serve as a repeater to extend (double) the cable transferring distance.

Code  
DCT-2



### OPTICAL PCM TO STEREO ANALOGUE

#### CYPRESS DIGITAL DECODER

Compact unit with stereo audio output converted from Standard 16 bit PCM (Digital) Input is Toslink Optical or RCA PCM connections. Compatible with DCT4 and LPCM Stereo CD players. Accepts sampling frequencies 32KHz, 44.1KHz, 48KHz, 96KHz. White 42x40x22mm compact

Code  
DCT-3



### STEREO ANALOGUE TO OPTICAL PCM

#### CYPRESS FORMAT CONVERTER

Compact unit with stereo audio in and converts it to 16 bit PCM (Digital) output to Toslink Optical and RCA PCM connections. Compatible with Digital home-theatre and receivers or other digital items, etc. Sampling rate 48KHz LPCM Linear Pulse Code Modulation

Code  
DCT-4







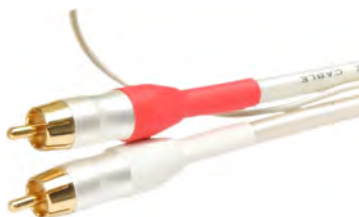
## White Pearl



### STEREO AUDIO LEAD

#### 2x RCA to 2x RCA Plugs

Length	Code
0.8M	CXS1102
1.5M	CXS1104
3.0M	CXS1106
5.0M	CXS1108
10M	CXS1110
15M	CXS1112



Common Stereo RCA Suits most audio HiFi & Home Theatre centre "trigger" wire for Car-Audio, etc.

### AUDIO SPLITTER LEAD

#### RCA Plug to 2x RCA Plugs

Length	Code
1.2M	CXS1060
3.0M	CXS1062
5.0M	CXS1064



Gold plated Lam-Spring All-Metal RCA Plugs Audiophile grade lead Popular adaptor cable Splits a single channel into two for use with Subwoofers, car audio, etc.

### AUDIO SPLITTER LEAD

#### RCA Plug to 2x RCA Sockets

Length	Code
0.1M	CXS1020

Gold plated Lam-Spring All-Metal RCA Plugs Audiophile grade lead Popular adaptor cable Splits a single channel into two for use with Subwoofers, car audio, etc.

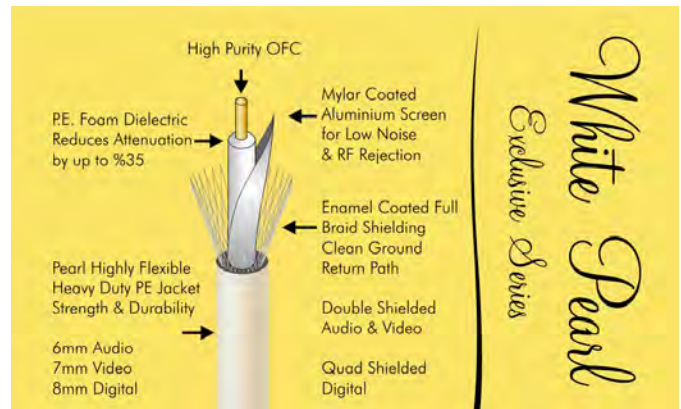


### AUDIO SPLITTER LEAD

#### RCA Socket to 2x RCA Plugs

Length	Code
0.1M	CXS1002

Gold plated Lam-Spring All-Metal RCA Plugs Audiophile grade lead Popular adaptor cable Splits a single channel into two for use with Subwoofers, car audio, etc.



### AUDIO SINGLE LEAD

#### 1 RCA Plug - 1 RCA Plug

Length	Code
1.5M	CXS1050
3.0M	CXS1052
5.0M	CXS1054
10M	CXS1056



#### AUDIO TYPE 6mm

Audiophile grade lead  
Suitable for Sub-woofers  
Centre channel & other audio

### COMPOSITE VIDEO LEAD

#### 75Ω RCA Plug to Plug

Length	Code
0.8M	CXS1200
1.5M	CXS1202
3.0M	CXS1204
5.0M	CXS1206
10M	CXS1208
15M	CXS1210



**VIDEO LEAD 7mm Single**  
Video 75Ω Coax lead Double shielded 7mm Ø Pearl Jacket

### DIGITAL COAX LEAD

#### WIDE-BANDWIDTH COAX

Length	Code
0.8M	CXS1220
1.5M	CXS1222
3.0M	CXS1224
5.0M	CXS1226
10M	CXS1228
15M	CXS1230



**75Ω RCA TO RCA** Video or Digital Quad shielding 8mmØ Cable Jacket Twist-Lock plug

### RF TV FLYLEAD

#### PAL 75Ω Plug to Plug

Length	Code
1.0M	CXS1601
1.5M	CXS1602
3.0M	CXS1603
5.0M	CXS1605
10M	CXS1610



**ANTENNA LEAD** PAL Antenna Plug Male to Male 75Ω Coax 7mm Double Shield Gun-Metal Plug





## White Pearl

**HAND CRAFTED FOR LONG LIFE  
INTERCONNECT DEPENDABILITY  
EUROPEAN DESIGNED HIGH-END  
AUDIOPHILE PERFORMANCE**

WHITE PEARL - EXCLUSIVE SERIES:  
COLOUR CODED HEAT-SHRINK STRAIN RELIEF BOOTS  
PREMIUM GRADE PLUGS - HAND SOLDERED RELIABILITY  
HIGH-GLOSS PEARL FINISH - EXTRA STRONG METAL JACKET  
24CT GOLD-PLATED CLEAN CONNECTIONS  
RCA LAM-SPRING GRIPS SURE-CONTACT PLUGS  
**VISUALLY BEAUTIFUL  
ELECTRONICALLY TRANSPARENT**

*Exclusive Series*  
**White Pearl**



### AUDIO MP3 LEAD

3.5mm to 2x RCA Plugs

Length	Code
1.5M	CXS1450
3.0M	CXS1452
5.0M	CXS1454

#### HEADPHONE TO HIFI

Suit any iPod® & MP3 to  
Auxiliary-In Home Theatre



### 3.5mm QUAD A/V LEAD

3.5mm to 3x RCA Plugs

Length	Code
1.5M	CXS1490

#### AUDIO & VIDEO

Suit iPod® & MP3 to  
Auxiliary input Home  
Theatre & TV



### OPTICAL TOSLINK

Toslink to Toslink

Length	Code
1.0M	CXS1502
2.0M	CXS1503
3.0M	CXS1504

#### FIBRE-OPTICS

Beautifully crafted  
Digital Interconnect  
Transfers light from  
one unit to another



### OPTICAL TOSLINK TO 3.5MM

Toslink to 3.5mm

Length	Code
1.0M	CXS1520
3.0M	CXS1522

#### MINI-TOSLINK

Adaptor cable for  
transferring light  
from units with  
3.5mm Optical I/O



### SCART VCR LEAD

1x RCA Video & 2x RCA Audio 2x Sets for Input + Output

Length	Code
1.5M	CXS1310

#### VCR CONNECT

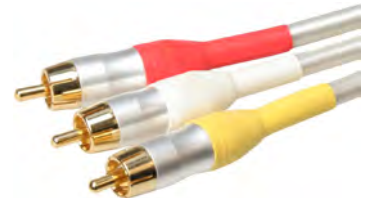
STB to VCR  
Vice-Versa  
Bi-Directional  
Composite Video  
Stereo Audio L/R



### STEREO AUDIO & VIDEO LEAD

2x RCA Stereo Audio and 1x RCA 75Ω Video Plug to Plug

Length	Code
0.8M	CXS1150
1.5M	CXS1152
3.0M	CXS1154
5.0M	CXS1156
10M	CXS1158
15M	CXS1160



#### QUICK CONNECT

Home theatre solution premium  
quality image and sound transfer

### STEREO AUDIO & S-VIDEO LEAD

2x RCA Stereo Audio and 1x S-Video MD4 Plug to Plug

Length	Code
1.5M	CXS1422
3.0M	CXS1424

#### QUICK CONNECT

Home theatre solution  
premium quality image  
and sound transfer  
4-Pin S-Video plugs



### COMPONENT VIDEO LEAD

YUV/RGB 3x RCA 75Ω Plug to Plug

Length	Code
0.8M	CXS1250
1.5M	CXS1252
3.0M	CXS1254
5.0M	CXS1256
10M	CXS1258
15M	CXS1260



#### DVD & STB CONNECT

SD/HD Compatible Video  
3x Plug to 3x Plug 75Ω  
7mm Coax Double shield  
Premium Video transfer





# Cables & Connectors

## Audio Visual Deluxe OFC

### HIGH QUALITY OFC AUDIO AND VIDEO LEADS

These cables are 99.99% pure Copper with double shielding and a Cellular Polyethylene insulated jacket. The plugs are Gold plated, Teflon insulated, molded, RCA connectors. The figure 8 cable has an earth/remote power lead. Blister packed.

#### 0.1M SOCKET TO 2-PLUGS HQ-OFC

Length	Code
0.1M	OFC622



#### 0.1M PLUG TO 2-SOCKETS HQ-OFC

Length	Code
0.1M	OFC625



### STEREO RCA WITH TRIGGER / EARTH WIRE

#### 10CM STEREO HQ-OFC

Length	Code
0.1M	OFC606



#### 0.8M STEREO HQ-OFC

Length	Code
0.8M	OFC607

#### 1.5M STEREO HQ-OFC

Length	Code
1.5M	OFC608

#### 3M STEREO HQ-OFC

Length	Code
3.0M	OFC612

#### 5M STEREO HQ-OFC

Length	Code
5.0M	OFC614

#### 8M STEREO HQ-OFC

Length	Code
8.0M	OFC615

#### 15M STEREO HQ-OFC

Length	Code
15M	OFC616



### STEREO AUDIO VIDEO HQ-OFC

Stereo Audio + Video 75Ω Composite Video Interconnect  
99.99% Pure Copper. Electric Blue.

#### SUPPLIED PACKAGED

Length	Code
1.5M	OFC50
3.0M	OFC60
5.0M	OFC61
8.0M	OFC62
15M	OFC65



### COMPONENT VIDEO LEADS HQ-OFC

3x 75Ω OFC Double Shielded 99.99% OFC Component Video  
Interconnect RGB/YUV Heavy duty electric blue jacketed

#### SUPPLIED PACKAGED

Length	Code
1.5M	OFC70
3.0M	OFC72
5.0M	OFC73
8.0M	OFC74
15M	OFC75







## □ Audio Visual Deluxe OFC

### INSTALLER OFC RCA LEADS PACKAGED & BULK

Low Loss OFC Fully Shielded Cable with Gold Plated Plugs. Quality Interconnects for longer reliability connections.



### INSTALLER OFC 1x RCA PLUG TO 2x RCA SOCKETS

Description	Code
Bulk 15cm	RCA10B



### INSTALLER OFC 1x RCA SOCKET TO 2x RCA PLUG

Description	Code
Bulk 15cm	RCA12B



### INSTALLER OFC 1x RCA PLUG TO 2x RCA PLUGS

Description	Code
Packaged 1.0M	RCA15



### INSTALLER OFC 2x RCA PLUGS TO 2x RCA PLUGS

Description	Code
Packaged 1.0M	RCA60
Packaged 3.0M	RCA200
Packaged 5.0M	RCA250



### INSTALLER OFC 2x RCA PLUGS TO 2x RCA PLUGS BULK

Description	Code
Bulk 1.0M	RCA60B
Bulk 1.8M	RCA180B
Bulk 3.0M	RCA200B
Bulk 5.0M	RCA250B
Bulk 10M	RCA260B
Bulk 15M	RCA270B



### INSTALLER OFC 3x RCA TO 3x RCA PLUGS

Description	Code
1.5M Stereo + RG59U(75Ω) Bulk	VC51
3.0M Stereo + RG59U(75Ω) Bulk	VC62
8.0M Stereo + RG59U(75Ω) Bulk	VC69



### INSTALLER OFC 3x RCA PLUGS TO 3x RCA PLUGS

#### COMPONENT VIDEO YUV/RGB BULK

Description	Code
Bulk 1.5M	RCA302
Bulk 3.0M	RCA303
Bulk 5.0M	RCA305
Bulk 10M	RCA310
Bulk 15M	RCA315



### COMPONENT VIDEO HAND SOLDERED OFC

#### 3x RCA TO 3x RCA COMPONENT / RGB VIDEO

Description	Code
Packaged 1.5M	OFC76
Packaged 3.0M	OFC78
Packaged 5.0M	OFC79
Packaged 8.0M	OFC80
Packaged 15M	OFC81



### VIDEO INTERCONNECT

#### 75Ω Quad-Shielded Video Interconnect

Length	Code
0.8M	OFC501
1.5M	OFC502
3.0M	OFC503
5.0M	OFC505
10M	OFC510
15M	OFC515



PCM  
or  
Video

HOT  
WIRE  
ORANGE





# Cables & Connectors

## □ Audio Visual

### ONE RCA PLUG TO ONE RCA PLUG SHIELDED

Flexible coax fully shielded Audio Leads. All black. For Video Cable, see the VC214 Range...

Description	Code
1.2 Metre long	AL600
1.2 Metre long BULK.	AL601
3 Metre long	AL602
3 Metre long BULK	AL603



### ONE RCA PLUG TO TWO RCA PLUGS SHIELDED

Description	Code
1.2 Metre long	AL604
1.2 Metre long in BULK.	AL604B
3 Metre long	AL605
3 Metre long in BULK.	AL605B
RCA 5M, Male - Male x2	AL606
5 Metre long in BULK	AL606B



### TWO RCA PLUGS TO TWO RCA PLUGS SHIELDED

Description	Code
1.2 Metre long	AL608
1.2 Metre long in BULK.	AL609
3 Metre long	AL612
3 Metre long in BULK.	AL613
5 Metre long	AL614
5 Metre long in BULK	AL614B



### THREE RCA PLUGS TO PLUGS AUDIO+VIDEO LEAD

Description	Code
1.5M Stereo + RG59U(75Ω) Packaged	VC50
1.5M Stereo + RG59U(75Ω) Bulk	VC51
3.0M Stereo + RG59U(75Ω) Packaged	VC60
3.0M Stereo + RG59U(75Ω) Bulk	VC62
5.0M Stereo + RG59U(75Ω) Packaged	VC65
5.0M Stereo + RG59U(75Ω) Bulk	VC66
8.0M Stereo + RG59U(75Ω) Packaged	VC68
8.0M Stereo + RG59U(75Ω) Bulk	VC69
10M Stereo + RG59U(75Ω) Bulk	VC611



### FOUR RCA PLUGS TO FOUR RCA PLUGS SHIELDED

Description	Code
4 X RCA Plugs To 4 X RCA Plugs 1.2 Metre Shielded Cable	AL616
4 X RCA Plugs To 4 X RCA Plugs 3 Metre Shielded Cable	AL618



### RCA EXTENSION LEAD SINGLE AUDIO

Description	Code
RCA Plug To RCA Socket 1.2 Metre Shielded Cable	AL620



### RCA SPLITTER LEAD AUDIO

Description	Code
RCA Plug To 2 X RCA Sockets 10 Centimetre Shielded Cable	AL624
RCA Plug To 2 X RCA Sockets 1.2 Metre Shielded Cable	AL626



### RCA EXTENSION LEAD STEREO AUDIO

Description	Code
2 X RCA Plugs To 2 X RCA Sockets 1.2 Metre Shielded Cable	AL628
2 X RCA Plugs To 2 X RCA Sockets 3 Metre Shielded Cable	AL632



### RCA EXTENSION LEAD QUAD AUDIO

Description	Code
4 X RCA Plugs To 4 X RCA Sockets 3.0 Metre Shielded Cable	AL634







## □ 1/4" & 1/8" Jack Plugs

### RCA TO PHONO MONO

Description	Code
RCA Plug To 3.5mm Plug 1.2 Metre Shielded Cable	AL636



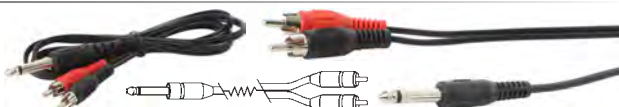
### RCA TO PHONO SPLITTER MONO

Description	Code
2 X RCA Plugs To 3.5mm Plug 1.2 Metre Shielded Cable	AL640



### RCA TO PHONO 1/4" INSTRUMENT LEAD

Description	Code
2 X RCA Plugs To 6.35mm Plug 1.2 Metre Shielded Cable	AL648
100K Ohm In-line Resistor Adapts Line to mic-in, etc.	



### RCA TO PHONO STEREO LEAD

Description	Code
2 X RCA Plugs To 2 X 3.5mm Plugs 1.2 Metre Shielded Cable	AL652



### RCA TO 3.5MM STEREO ADAPTOR LEAD

Description	Code
2 X RCA Plugs To 3.5mm Stereo Plug 0.1M	AL641
2 X RCA To 3.5mm Stereo Plug 1.5M	AL656
2 X RCA To 3.5mm Right-Angle Plug 1.5M	AL657
2 X RCA Plugs To 3.5mm Stereo Plug 3M	AL658
2 X RCA Plugs To 3.5mm Stereo Plug 5M	AL659



### 3.5MM STEREO PLUG TO 2 X RCA PLUGS 10CM

Play your audio from portable devices on your home stereo system by connecting your device directly to the stereo system's RCA sockets. 10cm long.

Plug 1	Plug 2	Length	Code
3.5mm stereo	2x RCA	0.1M	AL641



### RCA TO STEREO SOCKET ADAPTOR LEAD

Description	Code
2 X RCA Plugs To 3.5mm Stereo Socket 0.1 Metre (10cm)	AL638
Shielded Cable Black Adapts Line I/O to Headphone Socket	



### 3.5MM TO RCA STEREO ADAPTOR LEAD

Description	Code
2x RCA Sockets to 3.5mm Stereo Plug 10cm	AL642



### WHITE-PEARL MP3 LEAD

HEADPHONE TO HIFI  
Suit any iPod® & MP3 to  
Auxiliary-In Home Theatre

Length	Code
1.5M	CXS1450
3.0M	CXS1452
5.0M	CXS1454



### 3.5MM STEREO TO RCA PLUGS

3.5mm Stereo plug to  
RCA plugs x2 Stereo audio.

Length	Code
2.0M	MP147



### WHITE-PEARL QUAD A/V LEAD

AUDIO & VIDEO  
Suit iPod® & MP4  
to Auxiliary input  
Home Theatre & TV

#### 3.5mm Quad to 3x RCA Plugs

Length	Code
1.5M	CXS1490



### RCA STEREO TO RCA STEREO

2x RCA plugs to 2x RCA plugs.  
Stereo audio.

Length	Code
2.0M	MP101







# Cables & Connectors

## □ 1/4" & 1/8" Jack Plugs

### MICRO INTERCONNECT

Description	Code
2.5 mm Plug To 2.5 mm Plug. Mono. 1.2M	AL700
2.5 mm Plug To 2.5 mm Socket. Mono. 5.0M	AL702
2.5 mm Plug To 3.5 mm Plug. Mono. 1.2M	AL704



### MICRO & MINI REPLACEMENT LEADS - MONO & QUAD

Description	Code
2.5mm Mono Plug to 6.0M Lead	RCC25
3.5mm Mono Plug to 6.0M Lead	RCC35
2.5mm Quad Plug to 2.5M Lead	VC1254
3.5mm Quad Plug to 2.5M Lead	VC1354



### MONO INTERCONNECT 3.5mm

Description	Code
3.5 mm Plug To 3.5 mm Plug. 1.2 Metre Shielded Cable	AL708
3.5 mm Plug To 3.5 mm Plug. 1.2 Metre Shielded Cable 100KΩ inline attenuation resistor (connect to mic in, etc.)	AL712



### STEREO INTERCONNECT 3.5mm [and 2.5mm]

Description	Code
2.5mm Stereo Plug To Plug 1.5M	AL751
2.5mm Stereo Plug To Plug 3.0M	AL753
3.5mm Stereo Plug To Plug 0.5M	AL7200
3.5mm Stereo Plug To Plug 1.0M Prolink Red Lead	AL719
3.5mm Stereo Plug To Plug 1.0M Prolink Red R/A Plug	AL729
3.5mm Stereo Plug To Plug 1.2M	AL720
3.5mm Stereo Plug To Plug 1.2M Bulk	AL720B
3.5mm Stereo Plug To Plug 1.5M R/A	AL721
3.5mm Stereo Plug To Plug 2.0M Prolink White	MP146
3.5mm Stereo Plug To Plug 2.0M Prolink Curly Cord Black	MP146S
3.5mm Stereo Plug To Plug 2.0M	AL7202
3.5mm Stereo Plug To Plug 3.0M	AL722
3.5mm Stereo Plug To Plug 5.0M	AL723
3.5mm Stereo Plug To Plug 10M	AL7210



### 5 PORTS 3.5MM STEREO

3.5mm Plug to five 3.5mm Jacks.  
Splits to multiple headphones

Code
AD1206



### 3.5MM SPLITTER

Headphone Splitter Cable  
3.5mm plug TO 2x 3.5mm Sockets

Colour	Code
Black	AL725
White	AL1725



### QUAD PLUG SPLITTER

Splitting a 3.5mm Quad plug into two 3.5mm Quad sockets.  
4 pole 3.5mm connection supports AV & control of smart phones, etc.

Length	Code
0.2M	MP155



### QUAD PLUG INTERCONNECT 3.5mm & 2.5mm

Description	Code
2.5mm Quad Plug To 2.5mm Quad Plug 1.5M	VC432
2.5mm Quad Plug To 2.5mm Quad Plug 3.0M	VC433
2.5mm Quad Plug To 2.5mm Quad Plug 5.0M	VC435
3.5mm Quad Plug To 2.5mm Quad Plug 1.5M	VC442
3.5mm Quad Plug To 2.5mm Quad Plug 3.0M	VC443
3.5mm Quad Plug To 2.5mm Quad Plug 5.0M	VC445
3.5mm Quad Plug To 3.5mm Quad Plug 1.5M	VC422
3.5mm Quad Plug To 3.5mm Quad Plug 3.0M	VC423
3.5mm Quad Plug To 3.5mm Quad Plug 5.0M	VC425
3.5mm Quad Plug To 3.5mm Quad Plug 1.2M Red R/A Plug	VC426
3.5mm Quad Plug To 3.5mm Quad Socket 1.2M Red R/A Plug	VC427
3.5mm Quad Plug To 3.5mm Stereo Plug 1M Volume & Mic.	AHF721



### QUAD-PLUG LEAD SETS

Special QUAD version 1/8" Plugs. Four connectors.  
2.5 metres with molded plugs to 3+ Shield.

Description	Code
2.5mm Quad Plug to 2.5M Lead	VC1254
3.5mm Quad Plug to 2.5M Lead	VC1354







## 2.5mm STEREO CABLE

Stereo Lead with a 2.5mm plug to 2.5mm plug interconnect cable

Length	Code
1.5M	AL751
3.0M	AL753



## STEREO 2.5MM-3.5MM

### AERPRO PACKAGING

2 Metre Length White cable Chromium plugs Mini 2.5mm plug to 3.5mm Stereo

Code
ADM125W



## 3.5MM STEREO CABLE

3.5mm Stereo Male-Male Prolink White Lead

Length	Code
2.0M	MP146



## 3.5mm STEREO CURLY

High tension cable stretches to two metres. Compact plug barrel fits past phone cases.

Length	Code
2.0M	MP146S



## SPLITTER LEAD STEREO 3.5mm

Description	Code
3.5mm Stereo Plug To 2x3.5mm Plugs 1.2 Metre Shielded Cable	AL724



## EXTENSION LEAD 3.5mm

Description	Code
3.5mm Stereo Plug To Socket 1.8M Shielded cable	AL726
3.5mm Stereo Plug To Socket 3.0M Shielded cable	AL727
3.5mm Stereo Plug To Socket 5.0M Shielded cable	AL728



## HEADPHONE EXTENSION LEAD 1/4" STEREO

Description	Code
6.35mm Stereo Plug To Socket 8 Metre Shielded Cable	AL732
6.35mm Stereo M-F Curled Cable 8.0M When Extended	AL736



## INSTRUMENT LEAD 1/4"

Description	Code
6.35mm Mono Plug To Plug. 8.0 Metres Shielded Cable	AL717



## HQ INSTRUMENT LEAD 1/4"

Description	Code
6.35mm M-M 4mm Cable w/ Metal Plugs 6.0M	AL718



## HQ INSTRUMENT LEAD 1/4" CURLY

Description	Code
6.35mm M-M Curly Cord. 8.0M when extended.	AL716



## QUAD 2.5MM

### 2.5mm TO 2.5mm

Four pin Black 3mm flex lead

Length	Code
1.5M	VC432
3.0M	VC433
5.0M	VC435



## QUAD 3.5MM

### 3.5mm TO 3.5mm

Four pin Black 3mm flex lead

Length	Code
1.5M	VC422
3.0M	VC423
5.0M	VC425



## QUAD 3.5MM/2.5MM

### 2.5mm TO 3.5mm

Four pin connection Black 3mm flex lead

Length	Code
1.5M	VC442
3.0M	VC443
5.0M	VC445



## 2.5MM HEADPHONE ADAPTOR

### 2.5mm Plug To 3.5mm Socket

Short adaptor Cable for plugging headphones into media devices that use the micro-phono 2.5mm socket.

Type	Code
3 Pin	AD111



## STEREO MALE TO MALE

3.5mm Male to male Gold plated Plugs Compact

Length	Code
1.0M	AL719



## QUAD MALE TO MALE

3.5mm Quad Gold plated Right angle

Length	Code
1.2M	VC426



## QUAD EXTENSION CABLE

### 3.5mm QUAD MALE TO FEMALE

Quad 3.5mm Male to Female Gold plated

Length	Code
1.2M	VC427







# Cables & Connectors

## □ XLR

### XLR ¼" MICROPHONE LEAD UNBALANCED

Unbalanced microphone lead  
6.35mm Plug to 3 Pin Female  
Metal Plugs. Suit PA, etc. 5 Metre  
Heavy Duty cable.

Length	5M
Code	ML10



### XLR MICROPHONE LEAD BALANCED

Balanced microphone lead.  
3 Pin Female to Male Metal Plugs.  
Suit PA, etc. Metal Plugs.  
5 Metre Heavy Duty cable.

Length	5M
Code	ML12



### XLR M-F LEAD - AERPRO

#### MALE TO FEMALE

General purpose Balanced Line lead  
Connect Lead or Extension Lead  
Sturdy Rubber covered black lead

Plug A	XLR Male
Plug B	XLR Female
Length	8M
Code	ALX8MF



### XLR TO RCA 3M X2 - AERPRO

RCA Male (x2) to XLR Male (x2)  
Sold As a Stereo Pair of 2x 3 Metre  
Line-Level-In etc. to PA Amplifier Input  
Sturdy Rubber covered Shielded cable

Length	3M
Plug A	XLR Male
Plug B	RCA Male
QTY	2
Code	ALXRC3



### DMX LIGHTING CABLE - AMPHENOL

Genuine Amphenol made Amphe-DMX Lead 5 PIN  
XLR-F To XLR-M lighting cable. Design for heavy  
duty stage lighting applications. Premium  
Amphenol connectors with rugged diecast  
 housings. Heavy duty screened cable.  
Includes reusable Velcro® cable wrap.

Plug A	5 Pin XLR Male
Plug B	5 Pin XLR Female
Length	1M      10M      20M
Code	PR7075D001   PR7075D010   PR7075D020



5 Pin  
**Amphenol**

### NL4 TO BANANA 6M SPEAKER LEADS - AERPRO

1.1M (x2) NL4 to NL4 with 2 Pins Wired  
4mm Banana Pair to PA Speaker (NL4)  
Smart Push type lock in connectors.  
Sturdy Rubber covered black lead.  
Stereo (Leads x2) in hang sell blister.

Length	6M
Plug A	NL4
Plug B	Banana
Code	ALPASC6



### BALANCED MICROPHONE LEAD - AMPHENOL

#### XLR-F TO XLR-M

Nickel Barrel Amphenol Leads Musician Series  
Instrument Cable Microphone Extension  
Balanced AC3-FJ to AC3-MMJ

Length	Code
1M	PR0110A001
3M	PR0110A003
6M	PR0110A006
9M	PR0110A009
12M	PR0110A012
15M	PR0110A015
20M	PR0110A020
30M	PR0110A030



**Amphenol**

### BALANCED MICROPHONE LEAD - AMPHENOL

#### XLR-F TO 6.35mm STEREO

Nickel Barrel Amphenol Leads Musician Series  
Instrument Cable Microphone to ¼" Balanced  
AC3-FJ to TS3-PJ

Length	Code
1M	PR0124A001
3M	PR0124A003
6M	PR0124A006
9M	PR0124A009



**Amphenol**

### UN-BALANCED MICROPHONE LEAD - AMPHENOL

#### XLR-F TO 6.35mm MONO

Nickel Barrel Amphenol Leads Musician Series  
Instrument Cable Microphone Balanced to  
Unbalanced AC3-FJ to TM3-PJ

Length	Code
1M	PR0120A001
3M	PR0120A003
6M	PR0120A006
9M	PR0120A009
12M	PR0120A012



**Amphenol**

### BALANCED MICROPHONE LEAD - AMPHENOL

#### XLR-M TO 6.35mm

Nickel Barrel Amphenol Leads  
Heavy duty Musician Series  
Instrument Cable Microphone  
Balanced AC3-MJ to  
6.35mm Balanced plug

Length	Code
6M	PR1024A006



**Amphenol**

### UN-BALANCED INSTRUMENT LEAD - AMPHENOL

#### 6.35mm TO 6.35mm MONO

Nickel Barrel / Gold plated Leads Musician  
Series Instrument Cable Instrument connect,  
Guitar, etc. AC3-FJ to TM2-PJ

Length	Code
1M	GD3030B001
3M	GD3030B003
6M	GD3030B006
9M	GD3030B009



**Amphenol**

### UN-BALANCED INSTRUMENT LEAD - AMPHENOL

#### 6.35mm TO 6.35mm RIGHT/ANGLE

Nickel Barrel / Gold Plated Leads Musician  
Series Instrument Cable Instrument connect,  
Guitar, etc. ACPM-GN-AU to ACPM-RN-AU

Length	Code
1M	GD3034B001
3M	GD3034B003
6M	GD3034B006
9M	GD3034B009



**Amphenol**





## □ Apple® Data & Audio

### APPLE™ LIGHTNING® TO USB

iPhone® 5 and iPad®, etc. Charge and sync.

Type	Length	Colour	Code
Original	1M	White	MDC9071
Licensed	1M	White	APL105
Compliance	1M	White	MDC9076
Compliance	2M	White	MDC9076-2
Compatible	1M	White	MDC9051



### UNIVERSAL USB 2.0 POCKET TOOL KIT

#### LIGHTNING® / MICRO-USB / 30PIN / USB

Multi-tool charging adaptor has the shape of a Swiss army knife. Includes a micro USB, Apple 30-pin and Apple® lightning connector. USB connector to plug into your computer or a wall charger.

Colour	Code
Black	MDC1019BK
White	MDC1019WH



### APPLE™ LIGHTNING DATA CABLE WRISTBAND

#### WEARABLE 170MM IN LENGTH

USB to lightning cable for Apple® iPhone® 5/5S/6/6 plus Suitable for data sync or charging from a PC, notebook or a USB power main. Designed in the shape of a wristband, convenient to carry it around comfortably.

Colour	Code
Blue	MDC9075BU
White	MDC9075WH



### USB TO APPLE® 30 PIN DOCK RETRACTABLE

#### USB LEAD

480Mbps data transfer Extends to 80cm

Code
CL1018



### USB TO APPLE® 30 PIN DOCK

USB Plug to iPod® Connector

1.5 Metre Cable

Type	Code
Aerpro	APL30
Replacement	MDC9003
Prolink	MP346

APL30 is Apple® Certified



### iPOD® / iPHONE® AUDIO & VIDEO

Composite video output  
Stereo audio output RCA

USB to Micro USB  
Separated cable and connector system  
1.5 metre cable

Code
APL40



### iPOD® AUDIO VIDEO CABLE

Composite video output  
Stereo audio output 1.5 Metre

Code
APL35



## □ DIN

### DIN BREAK-OUT LEAD MONO

Description	Code
2 X RCA Plugs To 5 Pin DIN Plug 1.2 Metre Shielded Cable. Mono I/O Suit older videos, etc. with mono audio input/output.	AL660



### DIN BREAK-OUT LEAD STEREO

Description	Code
4 X RCA Plugs To 5 Pin DIN Plug 3.0 Metre Shielded Cable	AL668
4 X RCA Plugs To 5 Pin DIN Plug 1.2 Metre Shielded Cable	AL664



### DIN BREAK-OUT LEAD SOCKETS

Description	Code
4 X RCA Sockets To 5 Pin DIN Plug 1.2 Metre Shielded Cable	AL672



### DIN [5 PIN]

Description	Code
5 Pin Din Plug To 5 Pin DIN Plug. 1.2 Metre Shielded Cable	AL676
5 Pin Din Plug To 5 Pin DIN Plug. 3.0 Metre Shielded Cable	AL680



### DIN [5 PIN] EXTENSION

Description	Code
5 Pin DIN Plug To 5 Pin DIN Socket 1.2 Metre Shielded Extension Cable	AL684



### DIN [6 PIN]

Description	Code
6 Pin DIN Plug To 6 Pin DIN Plug 1.2 Metre Shielded Cable	AL686







# Cables & Connectors

## □ Video Leads RCA

### RCA VIDEO LEAD COMPOSITE [SINGLE]

#### 1x 75Ω RG59U COAX & YELLOW MOLDED PLUGS

Description	Code
RCA Plug To RCA Plug. 1.5M 75 Ohm Coax	VC212
RCA Plug To RCA Plug. 3 metres 75 Ohm Coax	VC213
RCA Plug To RCA Plug. 5 metres 75 Ohm Coax	VC214
RCA Plug To RCA Plug. 10 metres 75 Ohm Coax	VC215



#### RCA DIGITAL & VIDEO INTERCONNECT - ORANGE MOLDED PLUG & LEAD

75Ω Quad-Shielded Digital Wide-Band Interconnect. Also suitable for use as 75Ω Video Coax Lead

0.8M RCA To RCA Digital	OFC501
1.5M RCA To RCA Digital	OFC502
3.0M RCA To RCA Digital	OFC503
5.0M RCA To RCA Digital	OFC505
10M RCA To RCA Digital	OFC510
15M RCA To RCA Digital	OFC515



#### RCA DIGITAL & VIDEO INTERCONNECT - WHITE PEARL DELUXE SERIES

0.8M Double Shielded	CXS1200
0.8M Quad Shielded	CXS1220
1.5M Double Shielded	CXS1202
1.5M Quad Shielded	CXS1222
3.0M Double Shielded	CXS1204
3.0M Quad Shielded	CXS1224
5.0M Double Shielded	CXS1206
5.0M Quad Shielded	CXS1226
10M Double Shielded	CXS1208
10M Quad Shielded	CXS1228
15M Double Shielded	CXS1210
15M Quad Shielded	CXS1230

Gold plated plugs.  
Metal barrel.  
Pearl white.  
Quad Shielded  
is suitable for  
Video & Wide-  
Bandwidth Digital  
transmission

DOUBLE  
SHIELD  
LAM-SPRING

QUAD  
SHIELD  
TWIST-LOCK

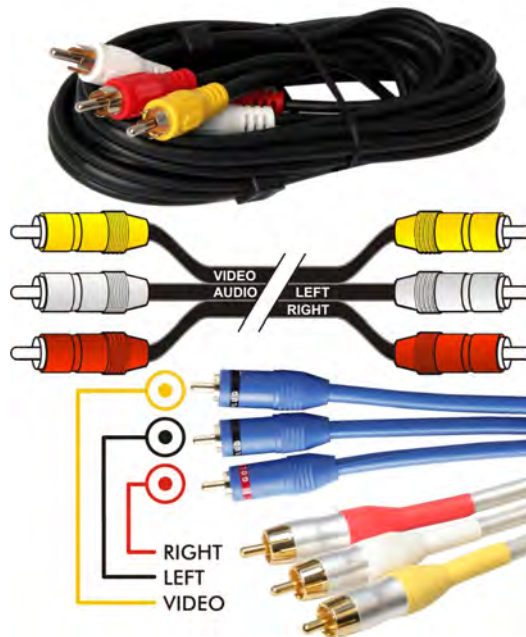
YELLOW  
ID BAND



### STEREO AV CABLE - AUDIO/VIDEO COMBO LEADS

#### Black Shielded Stereo Audio + RG59U 75Ω Black Coax Cable

Description	Code
1.5M Stereo + RG59U(75Ω) Packaged	VC50
3.0M Stereo + RG59U(75Ω) Packaged	VC60
5.0M Stereo + RG59U(75Ω) Packaged	VC65
8.0M Stereo + RG59U(75Ω) Packaged	VC68
10M Stereo + RG59U(75Ω) Packaged	VC610
1.5M Stereo + RG59U(75Ω) Bulk	VC51
3.0M Stereo + RG59U(75Ω) Bulk	VC62
5.0M Stereo + RG59U(75Ω) Bulk	VC66
8.0M Stereo + RG59U(75Ω) Bulk	VC69
10M Stereo + RG59U(75Ω) Bulk	VC611



#### BLUE OFC SERIES Gold plated Plugs 99.99% OFC. Electric Blue Jacket

1.5M 3xRCA Double Shielded	OFC50
3.0M 3xRCA Double Shielded	OFC60
5.0M 3xRCA Double Shielded	OFC61
8.0M 3xRCA Double Shielded	OFC62
15M 3xRCA Double Shielded	OFC65

#### WHITE PEARL DELUXE SERIES Gold plated plugs. Metal barrel. Pearl white.

0.8M	CXS1150
1.5M	CXS1152
3.0M	CXS1154
5.0M	CXS1156
10M	CXS1158
15M	CXS1160

### RGB / YUV VIDEO INTERCONNECT 3x RCA 75Ω

Triple 75Ω OFC Video Cable for Component Video. Gold Plated Plugs.

As used when connecting DVD to Widescreen TVs

Description	Code
1.5M 3x RCA Molded plugs	OFC70
3.0M 3x RCA Molded plugs	OFC72

#### BLUE OFC SERIES Gold plated Plugs 99.99% OFC. Electric Blue Jacket

Packaged 1.5M	OFC76
Packaged 3.0M	OFC78
Packaged 8.0M	OFC80
15M 3x RCA METAL plugs	OFC75

#### WHITE PEARL DELUXE SERIES Gold plated plugs. Metal barrel. Pearl white.

0.8M	CXS1250
1.5M	CXS1252
3.0M	CXS1254
5.0M	CXS1256
10M	CXS1258
15M	CXS1260







## □ S-Video

### S-VIDEO INTERCONNECTS

#### 4 PIN MINI-DIN INTERCONNECTS

Premium grade OFC Cable for lower signal loss Gold plated 4 Pin Mini-DIN S-Video PLUG to PLUG

Description	Code
1.5M S-Video Lead.	VC70
3M S-Video Lead.	VC703
5M S-Video Lead.	VC71
8M S-Video Lead.	VC72
15M S-Video lead	VC73



### S-VIDEO EXTRACTOR

Description	Code
S-VHS adaptor lead 4 pin mini DIN to 2 x RCA plugs 1.5M	VC78
RED = Chrominance BLACK = Luminance	



### S-VIDEO & AUDIO INTERCONNECT

Description	Code
S-VHS Audio/Video lead Video; 4 pin mini DIN male to male Audio; 2 RCA to 2 RCA male Gold plated. OFC cable. 1.5M.	VC90
S-VHS Audio/Video lead. 3.0M	VC91
S-VHS Audio/Video lead. 5.0M	VC92
S-VHS Audio/Video lead. 8.0M	VC93



## □ Adaptors Accessories

### RCA CABLE JOINER

#### FEMALE TO FEMALE

Colour	QTY	Code
Nickel	1	AD33
Gold	2	AD955



### RCA GENDER CHANGER

#### MALE TO MALE

Colour	QTY	Code
Gold	2	AD950



### RCA RIGHT ANGLE ADAPTOR

#### MALE TO FEMALE GOLD

Type	QTY	Code
Short	2	AD962
Long	2	AD960



### RCA DOUBLE ADAPTOR

#### MALE TO 2X FEMALE

Colour	QTY	Code
Nickel	1	AD3130
Gold	2	AD965



### BNC TO RCA ADAPTOR

#### BNC MALE

Code
AD230



#### RCA MALE

Code
AD260



### S-VIDEO FEMALE-FEMALE

S-VHS Gender Changer Metal case.F-F

Code
AD4SVHS



### S-VIDEO/RCA CONVERTER

Passive circuitry RCA Socket to SVHS Plug

Code
SVHS322



### S-VIDEO/RCA CONVERTER

Passive circuitry RCA Plug to SVHS Socket

Code
SVHS321



### SCART TO S-VIDEO & RCA

#### BREAKOUT BOX

SCART Monitor S-VHS & Composite Video. Stereo Audio.

Code
AD904



#### BREAKOUT BOX

Switchable as I/O S-VHS & Composite Video. Stereo Audio.

Code
AD905



#### RGB/YUV ADAPTOR

Suits both Input/Output. 3x RCA Video I/O Only. No Audio.

Code
AD906







# Cables & Connectors

## □ Camera Video

### CAMERA BREAKOUT LEAD 8 PIN SANYO MONO

#### Description

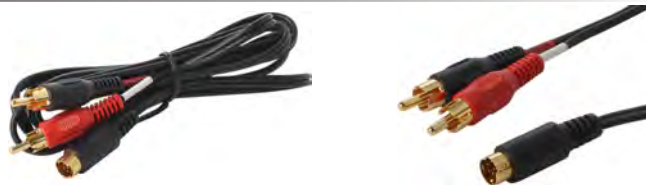
Audio video cable for SANYO 8 pin mini DIN plug to 2 RCA plugs. Gold plated. Mono Orig. P/No.636-020-9282 1.5 Metres In Length

#### Code

VC82



8 PIN MINI-DIN



### CAMERA EXTENSION LEAD 8 PIN JVC, PANASONIC

#### Description

VHS-C camera extension lead 8 pin male to female (Plastic plug as used by JVC, etc.) 1.5 Metres In Length

#### Code

VC75



**VHS-C**  
PAL



### CAMERA BREAKOUT LEAD 8 PIN S-VIDEO VCR

#### Description

VHS-C camera to a Stereo VCR. 8 pin to 3 RCA plugs. (Video + Stereo Audio) Gold plated. 1.5 Metres In Length.

#### Code

VC85



**VHS-C**  
PAL



### CAMERA BREAKOUT LEAD 5 PIN S-VIDEO VCR

#### Description

Digi-Cam to a Stereo Video 5 pin to 3 RCA and S-Video. 1.8M (Video + Video + Audio Stereo) Sony 1-823-156-13 DCR-IP7

#### Code

VC292



5 Pin  
Half Moon  
SONY



### CAMERA BREAKOUT LEAD 3.5MM MONO

#### Description

Camera or Video Card lead. Mono 3.5mm plug to RCA Video 3.5mm plug to 2x RCA Audio (for stereo inputs) Cable Length - 1.5M

#### Code

VC87



### CAMERA BREAKOUT LEAD 3.5MM STEREO

#### Description

Camera or Video Card lead. Stereo 3.5mm plug to RCA Video and 3.5mm stereo plug to 2x RCA Audio Cable Length - 1.5M

#### Code

VC88



### DVC BREAKOUT LEAD 3.5MM QUAD PIN

#### Description

4 pin 3.5mm plug (Used by DVC) 3xRCA out. Suit JVC & Sony, etc. Composite Video, Stereo Audio Out. 1.5M Long. RCA Plugs RCA Sockets.

#### Code

VC86

VC487



### DVC BREAKOUT LEAD 2.5MM QUAD PIN

#### Description

4 pin 2.5mm plug (Used by DVC) 3xRCA out. Suit Panasonic, etc Composite Video, Stereo Audio Out.

#### Code

VC286







## □ Camera Digital

### CASIO AUDIO VIDEO

Audio/Video Lead

Brand	Mitsumi Casio
Length	1.8M
Plug 1	RCA - A/V
Plug 2	USB 8 Pin Casio
Code	CL980



RCA - A/V



Mini USB 8P  
Casio

### SAMSUNG AUDIO VIDEO

Brand	Samsung
Model.	C3 C8 C10
Plug 2	AV
Code	CL851



### CASIO AUDIO VIDEO

Brand	Casio	Casio
Model.	EX-Z600 EX-S770	EX-S600 S770 S880
Plug 2	USB 2.0	AV
Code	CL858	CL859



### SAMSUNG AUDIO VIDEO

Brand	Samsung
Model.	C2 S500 S600
Plug 2	AV
Code	CL853



### KODAK AUDIO VIDEO

Brand	Kodak
Model.	C140
Plug 2	AV
Code	CL855



### SONY MD3 T99C W390

Brand	Sony
Model.	MD3 T99C W390
Plug 2	USB 2.0
Code	CL862



### MINOLTA AUDIO VIDEO

Minolta DiMage S304/S404/S414

Brand	Minolta
Length	1.8M
Plug 1	RCA - A/V
Plug 2	USB - MINI8M
Code	CL988



RCA - A/V



USB-MINI8M

### SONY W50

Brand	Sony
Model.	W50
Plug 2	USB 2.0
Code	CL864



### OLYMPUS AUDIO VIDEO

Brand	Olympus
Model	Many
Plug 2	AV
Code	CL994



### SONY T500 W210 W240

Brand	Sony
Model.	T500 W210 W240
Plug 2	USB 2.0
Code	CL860



### DIGITAL CAMERA LEADS

Suits connection to USB for media view, transfer and charging.

See Computer Section for more...



SEE  
DATA  
SECTION  
04

### MICRO USB 3.0 CABLE WITH AUDIO OUT

AUX Cable Car Audio/AUX Speaker  
Cable for Samsung Galaxy Note III /  
N9000, Galaxy S5 / G900.  
Sync and charger at the same time.  
Length: 0.5M, made with oxygen-free  
copper (OFC) cable.

Colour	Code
Black	MDC1016BK
White	MDC1016WH







## □ Video Composite Leads

### RCA TO BNC 75Ω

Description	Code
RCA Plug To BNC Plug 1.5M 75 Ohm Coax	VC6



### RCA TO RCA 75Ω

Description	Code
RCA Plug To RCA Plug. 1.5M 75 Ohm Coax	VC212
RCA Plug To RCA Plug. 3 metres 75 Ohm Coax	VC213
RCA Plug To RCA Plug. 5 metres 75 Ohm Coax	VC214
RCA Plug To RCA Plug. 10 metres 75 Ohm Coax	VC215



### RCA TO RCA 75Ω ORANGE QUAD SHIELDED OFC HEAVY DUTY DIGITAL/VIDEO/AUDIO

Description	Code
0.8M RCA To RCA Digital	OFC501
1.5M RCA To RCA Digital	OFC502
3.0M RCA To RCA Digital	OFC503
5.0M RCA To RCA Digital	OFC505
10M RCA To RCA Digital	OFC510
15M RCA To RCA Digital	OFC515



### BNC TO BNC 75Ω

Description	Code
BNC Plug To BNC Plug 1.5 Metre 75 Ohm Coax	VC201
BNC Plug To BNC Plug 3 Metre 75 Ohm Coax	VC203
BNC Plug To BNC Plug 10 Metre 75 Ohm Coax	VC210



### BNC TO BNC 50Ω

#### Ethernet cables 50Ω

Description	Code
RG58CU cable 2 metres	CL102
RG58CU cable 5 metres	CL105
RG58CU cable 10 metres	CL110



### PL259 TO BNC 75Ω

Description	Code
BNC Plug To PL259 Plug 1.5 Metre 75 Ohm Coax	VC2



### PL259 TO PL259 75Ω

Description	Code
PL259 Plug To PL259 Plug 1.5M 75 Ohm Coax	VC3







## Coax Cables - Premade

### SMA TO SMA LEADS

#### LOW-LOSS PATCH

LL195 50Ω Coax SMA Male to Male

Length	Coax	Code
1.5M	LL195	CAL5048
3.0M	LL195	CAL5049
5.0M	LL195	CAL5050



### SMA-M TO SMA-F PANEL MOUNT LEAD

Double nut for panel mounting the Female SMA

Length	Coax	Code
3.0M	LL195	CAL5099
4.0M	LL195	CAL5103
6.0M	LL195	CAL5098



### "N" TO SMA LEADS

#### LOW-LOSS PATCH

LL195 50Ω Coax SMA Male to "N" Male

Length	Coax	Code
1.5M	LL195	CAL5060
3.0M	LL195	CAL5043
5.0M	LL195	CAL5044
5.0M	LL400	CAL5080
10M	LL195	CAL5045
10M	LL400	CAL5081
15M	LL195	CAL5046
15M	LL400	CAL5082
20M	LL195	CAL5047
20M	LL400	CAL5083
25M	LL400	CAL5084



### SMA-REVERSED LEADS

50Ω Coax SMA-RP Female to Male

Length	Coax	Code
3.0M	RG58CU	CAL5013
3.0M	LL195	CAL5018
5.0M	RG58CU	CAL5014
5.0M	LL195	CAL5019
6.0M	LL195	CAL5019-6
10M	RG58CU	CAL5015
10M	LL195	CAL5020
15M	RG58CU	CAL5016
15M	LL195	CAL5021
20M	RG58CU	CAL5017
20M	LL195	CAL5022



### "N" TO SMA-REVERSED LEADS

50Ω Coax SMA-RP Male to "N" Male

Length	Coax	Code
3.0M	RG58CU	CAL5023
3.0M	LL195	CAL5028
5.0M	RG58CU	CAL5024
5.0M	LL195	CAL5029
10M	RG58CU	CAL5025
10M	LL195	CAL5030
15M	RG58CU	CAL5026
15M	LL195	CAL5031
20M	RG58CU	CAL5027
20M	LL195	CAL5032



### "N" TO "N" LEADS

50Ω Coax Male to Male

Length	Coax	Code
1.5M	RG58CU	CAL5065
1.5M	LL195	CAL5066
3.0M	RG58CU	CAL5033
3.0M	LL195	CAL5038
5.0M	RG58CU	CAL5034
5.0M	LL195	CAL5039
5.0M	LL400	CAL5070
10M	RG58CU	CAL5035
10M	LL195	CAL5040
10M	LL400	CAL5071
15M	RG58CU	CAL5036
15M	LL195	CAL5041
15M	LL400	CAL5072
20M	RG58CU	CAL5037
20M	LL195	CAL5042
20M	LL400	CAL5073
25M	LL400	CAL5074
30M	LL400	CAL5075



### FME TO "N" LEADS

50Ω Coax FME Female to "N" Male

Length	Coax	Code
1.5M	RG58CU	CAL5061
3.0M	RG58CU	CAL5003
5.0M	RG58CU	CAL5004
1.5M	LL195	CAL5062
3.0M	LL195	CAL5008
10M	RG58CU	CAL5005
5.0M	LL195	CAL5009
15M	RG58CU	CAL5006
20M	RG58CU	CAL5007
10M	LL195	CAL5010
5.0M	LL400	CAL5090
15M	LL195	CAL5011
20M	LL195	CAL5012
10M	LL400	CAL5091
15M	LL400	CAL5092
20M	LL400	CAL5093
25M	LL400	CAL5094
30M	LL400	CAL5095



### FME MALE TO FEMALE

Length	Coax	Code
1.5M	RG58CU	CAL5063
1.5M	LL195	CAL5064
3.0M	RG58CU	CAL30
3.0M	LL195	CAL31
5.0M	RG58CU	CAL50
5.0M	LL195	CAL51
10M	RG58CU	CAL100
10M	LL195	CAL101
15M	LL195	CAL102
20M	LL195	CAL103







# Cables & Connectors

## RF Flyleads

### "F" PLUG TO "F" PLUG

#### 75Ω COAX INTERCONNECTS

Save time on crimping the shorter connections!  
Molded plugs. High spec, twin shield RG59U,  
Reliable, Packaged interconnects. 75Ω.

Description	Code
BLACK. RG59U 1.8M	TVL15
BLACK. RG59U 3.0M	TVL16
BLACK. RG59U 5.0M	TVL17



### "F" PLUG TO "F" PLUG RG6

#### 75Ω COAX RG6 QUAD SHIELD

Ultra Low Loss RG6 Coax with Quad shielding  
"F" to "F" Screw-On connectors

Description	Code
WHITE. F Plug to F Plug 1.8M - Bulk	TVL151W
BLACK. F Plug to F Plug 1.8M - Bulk	TVL151B
WHITE. F Plug to F Plug 3.0M - Bulk	TVL153W
BLACK. F Plug to F Plug 3.0M - Bulk	TVL153B
BLACK. F Plug to F Plug 5.0M - Bulk	TVL155B
WHITE. F Plug to F Plug 7.5M - Bulk	TVL157WH
BLACK. F Plug to F Plug 7.5M - Bulk	TVL157BK
WHITE. F Plug to F Plug 10M - Bulk	TVL160WH
BLACK. F Plug to F Plug 10M - Bulk	TVL160BK

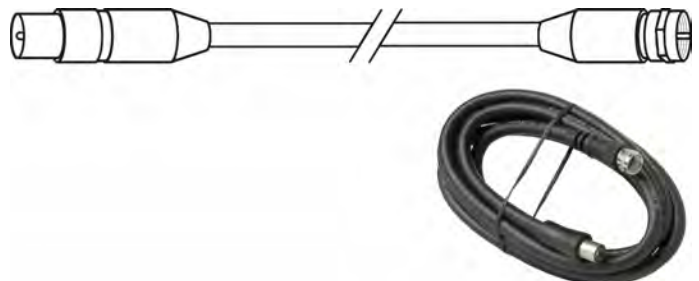


### PAL PLUG TO "F" PLUG

#### 75Ω COAX INTERCONNECTS

Twin Shield 75Ω As used in Cable TV connections, etc. Molded plugs.  
High spec, Reliable, Black Male PAL Plug to "F" Male Plug

Description	Code
WHITE. 3C-2V Packaged 1.8M	TVL8W
BLACK. 3C-2V Packaged 1.8M	TVL8B
BLACK. RG59U Packaged 3.0M	TVL9
BLACK. RG59U Packaged 5.0M	TVL10

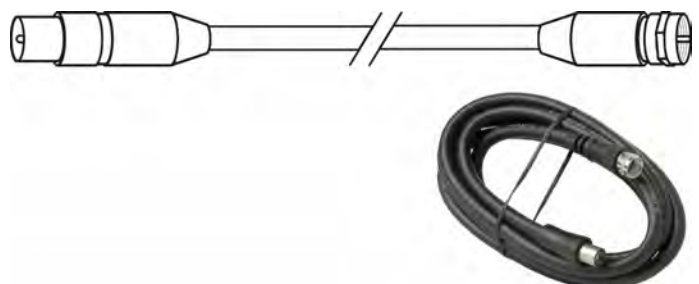


### PAL PLUG TO "F" PLUG RG6

#### 75Ω COAX RG6 QUAD SHIELD

Ultra Low Loss RG6 Coax with Quad shielding PAL to F connectors

Description	Code
WHITE. PAL Plug to F Plug 1.8M - Bulk	TVL141W
BLACK. PAL Plug to F Plug 1.8M - Bulk	TVL141B
WHITE. PAL Plug to F Plug 3M - Bulk	TVL143W
BLACK. PAL Plug to F Plug 3M - Bulk	TVL143B
WHITE. PAL Plug to F Plug 5M - Bulk	TVL145W
BLACK. PAL Plug to F Plug 5M - Bulk	TVL145B



### RG6 QUAD SHIELD 75 OHM PAL FLYLEADS WHITE-PEARL SERIES

Plug to Plug. With gold plated Metal Plugs on Deluxe OFC Cable

Description	Code
White-Pearl. Plug to Plug 1.0M - Packaged	CXS1601
White-Pearl. Plug to Plug 1.5M - Packaged	CXS1602
White-Pearl. Plug to Plug 3.0M - Packaged	CXS1603
White-Pearl. Plug to Plug 5.0M - Packaged	CXS1605
White-Pearl. Plug to Plug 10M - Packaged	CXS1610







## 3C-2V 75Ω FLYLEADS

Black or White leads for making antenna connections inside. Molded plugs. 3C-2V Coax Twin Shield 75Ω in Black or White. Available in Packaged or Bulk form.

### PAL PLUG TO PAL PLUG

Description	Code
WHITE. Plug to Plug, 1.8M Blister Pack	TVL1W
BLACK. Plug to Plug, 1.8M Blister Pack	TVL1B
WHITE. Plug to Plug, 1.8M BULK	TVL11W
BLACK. Plug to Plug, 1.8M BULK	TVL11B
WHITE. Plug to plug, 4.5M Blister Pack	TVL4W
BLACK. Plug to plug, 4.5M Blister Pack	TVL4B
WHITE. Plug to plug, 10M Blister Pack	TVL5W
BLACK. Plug to plug, 10M Blister Pack	TVL5B

### PAL PLUG TO PAL SOCKET

Description	Code
WHITE. Plug to Socket, 1.8M Blister Pack	TVL2W
BLACK. Plug to Socket, 1.8M Blister Pack	TVL2B
WHITE. Plug to Socket, 1.8M BULK	TVL12W
BLACK. Plug to Socket, 1.8M BULK	TVL12B

## 3C-2V 75Ω FLYLEADS RIGHT-ANGLE

### PAL PLUG TO PAL RIGHT-ANGLE PLUG

Description	Code
WHITE. Right Angle Plug 1.8m BULK	TVL11W-RA
BLACK. Right Angle Plug 1.8m BULK	TVL11B-RA
BLACK. Right Angle Plug 4.5m BULK	TVL4B-RA



## RG6 QUAD SHIELD 75 OHM PAL FLYLEADS

Ultra Low Loss RG6 Coax Quad shielding with molded plugs Black or White leads for making antenna connections inside

Description	Code
WHITE. Plug to Plug 1.8M - Bulk	TVL121W
BLACK. Plug to Plug 1.8M - Bulk	TVL121B
WHITE. Plug to Plug 3M - Bulk	TVL123W
BLACK. Plug to Plug 3M - Bulk	TVL123B
WHITE. Plug to Plug 5M - Bulk	TVL125W
BLACK. Plug to Plug 5M - Bulk	TVL125B
WHITE. Plug to Socket 1.8M - Bulk	TVL131W
BLACK. Plug to Socket 1.8M - Bulk	TVL131B
WHITE. Plug to Socket 3M - Bulk	TVL133W
BLACK. Plug to Socket 3M - Bulk	TVL133B
BLACK. Plug to Socket 5M - Bulk	TVL135B



## 3C-2V 75Ω FLYLEADS + ADAPTOR

Black or White leads for making antenna connections inside. Molded plugs. 3C-2V Coax Twin Shield 75Ω in Black or White. Includes Female to Female adaptor.

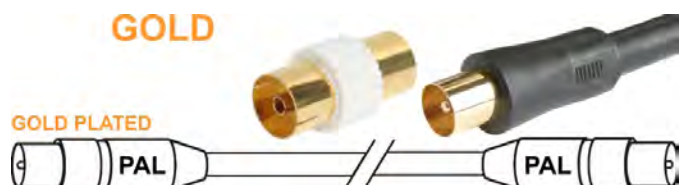
Description	Code
WHITE. Plug to Plug. 1.8M Blister Pack. w/ F/F Adaptor.	TVL1W-AD
BLACK. Plug to Plug. 1.8M Blister Pack. w/ F/F Adaptor.	TVL1B-AD
WHITE. Plug to Plug. 4.5M Blister Pack. w/ F/F Adaptor.	TVL4W-AD
BLACK. Plug to Plug. 4.5M Blister Pack. w/ F/F Adaptor.	TVL4B-AD
WHITE. Plug to Plug. 10M Blister Pack. w/ F/F Adaptor.	TVL5W-AD
BLACK. Plug to Plug. 10M Blister Pack. w/ F/F Adaptor.	TVL5B-AD



## RG6 QUAD SHIELD 75 OHM PAL FLYLEADS DELUXE KIT

Plug to Plug. With gold plated connectors and bonus Female to Female adaptor

Description	Code
BLACK. Plug to Plug 1.5M - Packaged	TVL161
BLACK. Plug to Plug 3.0M - Packaged	TVL163
BLACK. Plug to Plug 5.0M - Packaged	TVL165







## □ Cable

## □ Audio

### TWISTED PAIR SHIELDED SINGLE JACKET CABLE 3mm

Two internal wires with a common shield. Suit audio applications. As used in wiring up headphones, 3.5mm extension cables, etc.  
3mm Black Jacket. 7x0.12mm(x2) + 40x0.12mm(Shield)

Length	Code
100M	SAC312



### TWISTED PAIR SHIELDED SINGLE JACKET CABLE 4mm

#### DATA CABLE FOR A/V

As used for some signal transfer systems and A/V modulators, etc. Also suitable for balanced audio transmission or short unbalanced.  
Dark Grey PVC 4mmØ jacket. 7x0.20mm(0.22mm<sup>2</sup>) Al Mylar + Drain wire.

Length	Code
100M	SHW3035
300M	SHW3036



### TWIN PAIRS-SHIELDED SINGLE JACKET CABLE 5mm

#### QUAD WIRE DATA CABLE FOR A/V

Each pair individually shielded.  
Dark Grey PVC 4.6mmØ jacket. 7x0.20mm(0.22mm<sup>2</sup>). Al + Mylar + Drain wire. 60°C

Length	Code
100M	SHW3032
305M	SHW3033



### SOUNDLINK SHIELDED AUDIO CABLE 7mm

Low loss coaxial interconnect audio by SOUNDLINK 100% double shielded.  
99.99% OFC copper braid and Aluminium Foil. 55 Strand OFC centre core.  
FOAM-PE Double insulated for super low capacitance.  
Heavy duty PVC Jacket. A deep red crimson in colour. OD=7mmØ ID=5mm.  
Audiophile characteristic premium transfer interconnect.

Length	Code
50M	AIC227



PVC JACKET 7mmØ  
95% COPPER SCREEN OFC  
100% ALUMINIUM SCREEN  
FOAM-PE INSULATOR  
PVC INSULATOR  
MULTI-STRAND OFC CORE

### SOUNDLINK SHIELDED AUDIO CABLE 8mm

Ultra low loss interconnect audio by SOUNDLINK. 100% Triple shielded  
99.99% OFC copper braid, Alumina Mylar and Conductive PVC.  
80 Strand OFC copper centre core. FOAM-PE Insulated.  
Heavy duty PVC Jacket Electric Blue. OD=8mmØ ID=5mm.  
Exotic materials for superior audio connections.

Length	Code
50M	AIC228

PVC JACKET 8mmØ  
95% COPPER SCREEN OFC  
100% ALUMINIUM SCREEN  
CONDUCTIVE PVC SCREEN  
MULTI-STRAND OFC CORE  
P.E. DIELECTRIC INSULATOR

### SHIELDED STEREO AUDIO CABLE 2x3mm

Grey outer, red and white individually shielded inner cables.  
10 strands of 0.12mm each with copper shielding. OD = 3mmØ  
Mostly used for internal jumpers and short connections, etc.  
Popular stereo interconnect for general purpose applications.

Length	Code
100M	SHW1210



### PREMIUM SHIELDED STEREO AUDIO CABLE 2x4mm

Dual shielded and suitable for low loss in HiFi audio connections. 10 strand  
(10x0.1mm) heavy gauge (24AWG) wire with optimum braided shielding and  
protected by a tough but flexible black outer coating (2x4mm). We highly  
recommend this as a superior quality stereo audio cable. Supplied on 100M reel.

Length	Code
100M	SQS100



### SOUNDLINK SHIELDED STEREO AUDIO CABLE 2x6mm

Low loss stereo interconnect audio cable 100% shielded by  
OFC braid & Alumina-Mylar with FOAM-PE insulation.  
Heavy duty PVC Jacket. Suitable for Car or Home HiFi  
applications. Colour Deep Navy Blue OD=6mmØ ID=3mm.

Length	Code
50M	AIC236

PVC JACKET 6mmØ  
95% COPPER SCREEN OFC  
100% ALUMINIUM SCREEN  
FOAM P.E. INSULATOR  
MULTI-STRAND OFC CORE







## □ Microphone

### QUALITY SHIELDED MICROPHONE AND AUDIO CABLE 4.5mm

Single core, tough but flexible cable for audio & microphone applications.  
Good cable suitable for short runs, or longer with slight losses.  
16 strands of 0.14mm with full braided copper shielding.  
SOUNDLINK. Black PVC jacket OD=4.5mmØ

Length	Code
100M	SAC451



### PREMIUM SHIELDED MICROPHONE AND AUDIO CABLE 6mm

Single core, highly flexible cable with heavy duty protective matte jacket.  
56 strands of 0.07mm with full copper shielding. Primarily for mic leads.  
Suit our high-grade 6.35mm Gold Plated Phono and the "Cannon" type plugs.  
Supplied on 100M reels. Black in colour. OD=6.0mmØ

Length	Code
100M	SAC601



### PROFESSIONAL SHIELDED BALANCED MICROPHONE CABLE 7mm

Premium quality microphone cable with dual conductors, 14 X 0.19mm strands.  
Wrapped in the one copper shielding with cotton rope for added strength.  
Primarily for balanced microphone applications. Suit Cannon type plugs.  
Supplied on 100M reels. OD=7mmØ

Length	Code
100M	SHW1914

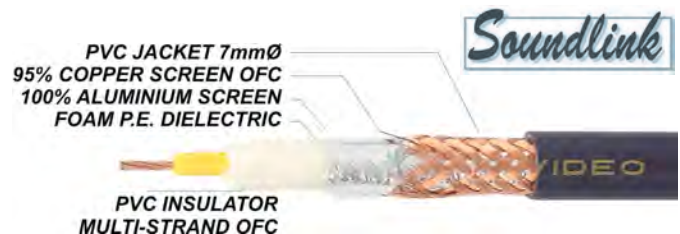


## □ Video

### SOUNDLINK VIDEO CABLE 7mm

75Ω low loss coaxial video interconnect by SOUNDLINK USA.  
7 Strand OFC centre core. 100% Shielded by OFC & Alumina Mylar.  
PVC/FOAM-PE double insulated. Heavy duty PVC Jacket. Wide Band.  
Colour:Navy Blue. OD=7mmØ ID=5mm.

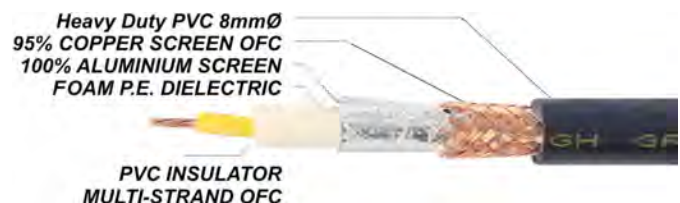
Length	Code
50M	VIC206



### SOUNDLINK HEAVY DUTY VIDEO CABLE 8mm

75Ω low loss coaxial video interconnect by SOUNDLINK USA.  
7 Strand OFC centre core. 100% Shielded by OFC & Alumina Mylar.  
PVC/FOAM-PE double insulated. EXTRA HEAVY DUTY PVC Jacket.  
Colour:Navy Blue. OD=8mmØ ID=5mm.

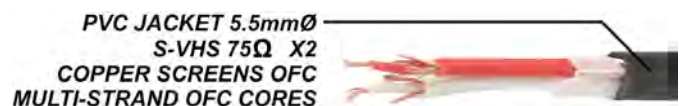
Length	Code
50M	VIC207



### S-VHS VIDEO INTERCONNECT CABLE 5.5mm

75Ω low loss OFC Dual interconnect by SOUNDLINK USA.  
This cable is designed for S-VHS applications & is suitable for long cable runs with minimal signal degradation. 10 Strand OFC centre, each is 100% shielded by OFC braid then insulated for improved visual reproduction, the pair is then protected by FOAM-PE & a tough Black PVC jacket. OD=5.5mmØ ID=2mm.

Length	Code
50M	VIC240







## □ Video

### TRIPLE 75Ω RG59U COAX 6mm SINGLE-CORE FOAM X3

DVD-HDTV. Black PVC 6mm outer diameter Jacket.  
Dual shield Tinned Copper Braid Plus Aluminium foil.  
Colour coded [Red Green Blue] Foam PE Dielectric insulators.  
Single solid core tinned copper. Suit Crimp, compression, etc.

Length	Code
100M	RG59TRIO



### RGB/COMPONENT VIDEO CABLE (3X 75Ω COAX) 7mm ELECTRIC-BLUE

Triple High Grade OFC 75Ω Interconnect by SoundLink. Multi-strand core. Suit HD-TV, DVD, Colour-Difference, Colour-Stream, Computers, etc. Attractive Blue PVC jacket. Red/Green/Blue cores. Double shielded.

Same specifications as our Popular Video Soundlink 7mm cable above.

Length	Code
50M	VIC252
100M	VIC1252

PVC JACKET 6mmØ  
95% COPPER SCREEN OFC  
100% ALUMINIUM SCREEN  
MULTI-STRAND OFC CORE  
P.E. DIALECTRIC INSULATOR



### OFC AUDIO & VIDEO CABLE 6mm

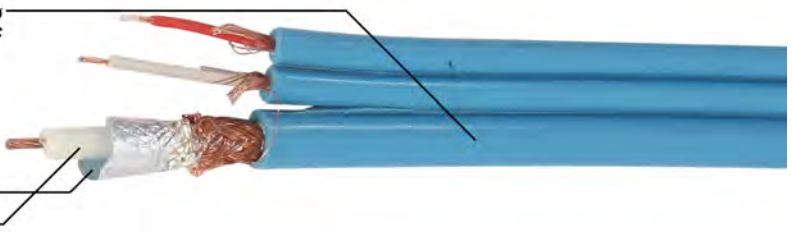
75Ω Low loss 6mm OFC video interconnect with OFC and Aluminium screen.  
3.5mm Low loss OFC Shielded Audio pair for Left and Right Audio.

Tough PVC Jacket, Light blue in colour. Attractive finish.  
Runs stereo audio and Composite Video in a triple lead.

Length	Code
50M	VIC250
100M	VIC1250

PVC JACKET 6mmØ  
95% COPPER SCREEN OFC

100% ALUMINIUM SCREEN  
MULTI-STRAND OFC CORE  
P.E. DIALECTRIC INSULATOR



### AGGREGATE VIDEO CABLE - SVIDEO & STEREO (4X)

#### HEAVY DUTY SINGLE SHEATH ORANGE

Large 12mm Orange Jacket with nylon rope reinforced.  
Long life design. 1x Dual Coax 75Ω Video (S-Video) with separate internal jacket shielded. Plus 2x Double shielded coax for Stereo Audio. Suit professional installations.

Length	Code
50M	VIC304



### TRIPLE COAX +4 CABLE WIDE BANDWIDTH DOUBLE SHIELDED COMPUTER MONITOR VGA (RGB-HV)

Typical replacement style VGA cable.  
All double shielded. Black 8mm Jacket.  
3x Shielded wires RGB (75 Ohm Coax)  
4x Control wires (Common shield)

Length	Code
100M	SQS1407

Color	Manufacturer	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Signal	Sign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## Security

### AGGREGATE SECURITY CABLE - VIDEO & 5X MULTICORE SHIELDED

Cream coloured 5.5mm Diameter Coaxial cable suitable for video or audio. Five colour coded wires suitable for low voltage. All encased in single shielding foil and using the coax ground as the shield/earth connection.

Length	Code
100M	SEC7505
305M	SEC17505

75ohm VIDEO COAX

LOW VOLTAGE  
CONTROL WIRES  
COLOUR CODED

IDEAL SECURITY CAMERA CCTV INTERCONNECT



### AGGREGATE SECURITY CABLE - VIDEO & 2X LOW VOLTAGE WIRES

#### 2 CORE + 75Ω COAX RG59 BLACK 6mm

Single Heavy duty double jacket weather resistant camera installation cable. 2x 7.5A for low voltage power bundled with 75Ω RG59B/U double shielded coax

Length	Code
100M	SEC101
305M	SEC103



## SECURITY CABLE

### TWISTED PAIR 5mm O/D Fire Retardant PVC

Core	Colour	Length	Code
4	Brown	100M	SEC414BR-100
4	Brown	305M	SEC414BR-305
4	Grey	100M	SEC414GY-100
4	Grey	305M	SEC414GY-305
4	White	100M	SEC414WH-100
4	White	305M	SEC414WH-305
2+2 Shielded	Grey	100M	SHW3032
2+2 Shielded	Grey	305M	SHW3033



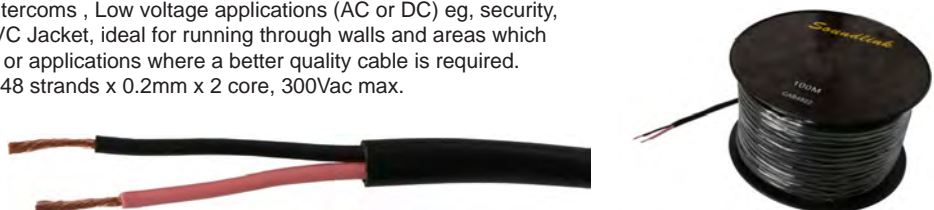
Core	Colour	Length	Code
6	Brown	100M	SEC614BR-100
6	Brown	305M	SEC614BR-305
6	Grey	100M	SEC614GY-100
6	Grey	305M	SEC614GY-305
6	White	100M	SEC614WH-100
6	White	305M	SEC614WH-305

More "Twisted-Pair" is available as Computer Ethernet cable CAT5/6e and other styles like Telephone, etc. See following pages...

### TWISTED PAIR DROP CABLE

High grade, high current, low loss, low capacitance. Suitable for many applications including-Speaker wire, both 8 ohms and 100v line, Video intercoms, Low voltage applications (AC or DC) eg, security, garden lights etc. Twisted pair in black PVC Jacket, ideal for running through walls and areas which are damp and prone to water penetration or applications where a better quality cable is required. 8mm Outer sheath 1mm thick. 3mm with 48 strands x 0.2mm x 2 core, 300Vac max.

Length	Code
100M	CAB4822



## Coax

### 50Ω RG174/U COAX 2.5mm

Multi-strand steel/copper (0.48mm) with braid tinned copper 90% shield. PE Dielectric (1.5mm). PVC Jacket Black (2.55mm). 100pF/M. 50 Metres.

Length	Code
50M	RG174U-50
1M*	RG174U-1

\*Available cut to any length (per metre).



### 50Ω LMR100 COAX

Low loss RF cable, 0.46mm Solid BCCS conductor with 2.11mm tinned copper overall braid. 1.52mm Solid polyethylene dielectric & 1.65mm aluminium tape as outer conductor. .67mm Black PVC standard jacket. Replacement for RG316/RG174 because of low loss. Used in many applications like WLL, GPS, LMR, Mobile antennas & many more.

Length	Code
1M*	LMR100-1

\*Available cut to length.







# Cables & Connectors

## 50Ω RG58AU COAX 5mm

RG-58A/U type, 20 AWG multi-stranded (19x33) 0.9mm copper conductor, polyethylene insulation, copper braid shield (95% coverage), PVC jacket.

Equiv.	Length	Code
RG58U	100M	RG58AU
RG58U	1M*	RG58AU-1

\*Available cut to any length (per metre).



## 50Ω RG58CU COAX 5mm

Mobile communications and computer ethernet installations. Tinned Multi-Strand High-shielding. 1.2mm multi-strand Tinned-Copper centre.

Length	Code
100M	RG58CU
1M*	RG58CU-1

\*Available cut to any length (per metre).



## 50Ω LL195 COAX 5mm

### LOW-LOSS BROADBAND COMMUNICATIONS CABLE - SOLID CORE

Double shielded with over 93% coverage copper braid + aluminium tape 100%. Gas-Injected Foam Polyethylene 2.79mm insulator. Solid core copper 0.94mm centre. Suits a majority of crimp plugs, etc. Black polyethylene outdoor flooded weather-proof UV resistant jacket.

Length	Code
100M	LL195
1M*	LL195-1



## 50Ω RG213U COAX 10mm

HEAVY DUTY flooded cable with UV-Resistance, etc. Multi-Strand. High-shielding.

Length	Code
100M	RG213U
1M*	RG213U-1

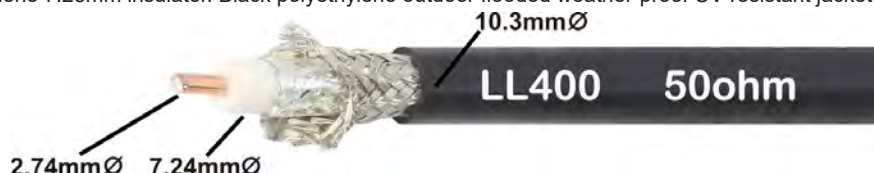


## 50Ω LL400 COAX 10mm

### LOW-LOSS BROADBAND COMMUNICATIONS CABLE

Solid Copper Centre 2.75mm. Double shielded with over 93% coverage copper braid + aluminium tape 100%. Extra wide bandwidth Gas-Injected Foam Polyethylene 7.25mm insulator. Black polyethylene outdoor flooded weather-proof UV resistant jacket.

Length	Code
50M	LL400-50
100M	LL400-100
305M	LL400-305
1M*	LL400-1



## 75Ω RG59AU COAX 6mm MULTI-STRAND

6mm outer diameter. Single Copper Shielding. Clear plastic dielectric. Multi-strand. Reel.

Length	Code
100M	RG59AU

Available Cut To Length

Code
RG59AU-1



## 75Ω RG59U COAX 6mm SINGLE-CORE FOAM

6mm outer diameter. Dual Tinned Copper & Aluminium foil shielding. Foam PE dielectric. Single core.

Length	Code
100M	RG59U

Available Cut To Length

Code
RG59U-1



## TRIPLE 75Ω RG59U COAX 6mm SINGLE-CORE FOAM X3

DVD-HDTV. Black PVC 6mm outer diameter Jacket. Dual shield Tinned Copper Braid Plus Aluminium foil. Colour coded [Red Green Blue] Foam PE Dielectric insulators. Single solid core tinned copper. Suit Crimp, compression, etc.

Length	Code
100M	RG59TRIO







## 75Ω RG6 COAX 6.8mm SINGLE-CORE PE DUAL-SHIELD

Grade "A" UV resistant PVC outer protected. Aluminium(Al) and braided (96 x 0.12mm) shielding. 4.57mm diameter polyethylene dielectric. 1.02mm Copper clad steel solid centre core.

Length	Code
100M	RG6PE

Available Cut To Length

Code
RG6PE-1



## 75Ω RG6 COAX 7.5mm SINGLE-CORE PE QUAD SHIELD

Grade "A" cable w/ UV resistant PVC outer jacket protected. Multi Aluminium braiding (96 x 0.12mm) & foil shielding. 4.57mm diameter polyethylene (Foam-PE) dielectric. 1.02mm Copper clad steel solid centre core.

REEL

Length	Code
100M	RG6Q100
305M	RG6Q305-RL

PULL-BOX

305M	RG6Q305-BX
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Available Cut To Length

RG6Q100-1
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## 75Ω RG11 COAX 10.2mm FOAM-PE QUAD-SHIELD

Grade "A" UV resistant PVC outer protected extra heavy-duty cable. Aluminium(Al) x2 braided (16 x 0.16mm x2) shielding. 7.11mm diameter polyethylene dielectric. 1.63mm Copper clad steel solid centre core.

Length	Code
305M	RG11Q305



□ Coax Approved

## 75Ω RG6 QUAD-SHIELDED COAX CABLE

FOXTEL® PAY TV APPROVED (F10129)

Premium quality pay tv approved RG6 Quad shielded coax cable with 0.86mm thick outer PVC jacket. 1.02mm copper clad steel centre conductor. 4.57mm foamed HD polyethylene dielectric. 60 micron thick bonded laminated aluminium foil shielding tape. 4.78mm core diameter. Aluminium alloy wire braided. Overall diameter 7.54mm.

Length	Packaging	Code
100M	Reel	CRG6UBQ-1
305M	Reel	CRG6UBQ/R
305M	Box	CRG6UBQ/B

**FOXTEL**  
APPROVED  
F10129



## 75Ω RG6 QUAD-SHIELDED COAX CABLE SIAMESE

FOXTEL® PAY TV APPROVED (F30432)

Premium quality pay tv approved RG6 Quad shielded coax cable with 0.86mm thick outer PVC jacket. 1.02mm copper clad steel centre conductor. 4.57mm foamed HD polyethylene dielectric. 60 micron thick bonded laminated aluminium foil shielding tape. 4.78mm core diameter. Aluminium alloy wire braided. Overall diameter 7.54mm. 150M wooden drum.

Length	Code
150M	CRG6UBQS

**FOXTEL**  
APPROVED  
F30432



## 75Ω RG6 QUAD-SHIELDED COAX CABLE FLOODED

FOXTEL® PAY TV APPROVED (F30059)

Premium quality pay tv approved RG6 Quad shielded coax cable with 0.86mm thick outer PVC jacket. 1.02mm copper clad steel centre conductor. 4.57mm foamed HD polyethylene dielectric. 60 micron thick bonded laminated aluminium foil shielding tape. 4.78mm core diameter. Aluminium alloy wire braided. Overall diameter 7.54mm. 305M wooden drum.

Length	Code
305M	CRG6UBQF

**FOXTEL**  
APPROVED  
F30059







# Cables & Connectors

## □ Amp Wiring Kits

### 2 AWG MAXCOR 1500 WATT POWER CABLE KIT

#### AERPRO - MAXCOR 2AWG AMP POWER INSTALL KIT

MAXCOR wiring kits combine high quality components to ensure you receive blistering performance from your amplifier. All cables in the range are guaranteed to meet or exceed AWG (American Wire Gauge) Standards so you can be reassured you are delivering the maximum power and quality signal to your amplifier and speakers. The Soft Touch Super Flex (STSF) PVC insulation throughout the MAXCOR range allows cables to easily bend around tight corners with no loss in performance allowing for a neat and professional installation.

The MX02 will power up to a massive 1500W and includes everything you need to power up an amplifier. The kit is ideal for those who want to either upgrade their current power cables or already have RCA's and/or speaker cable. The kit includes; 5.5M 2AWG power cable, 0.8M 2AWG earth cable, 5M 20AWG trigger cable, 180A ANL fuse and fuse holder, distribution block, cable ties and all required professional fitting terminals. If you are looking for an installation kit that offers MAXIMUM performance, you can't go past MAXCOR.

Code  
MX02



### 4 AWG MAXCOR 800 WATT POWER CABLE KIT

The MX04 will power up to a massive 800W and includes everything you need to power up an amplifier. If you are looking for an installation kit that offers MAXIMUM performance, you can't go past MAXCOR.

The kit includes;  
6M 4AWG power cable,  
0.8M 4AWG earth cable,  
5M 20AWG trigger cable,  
120A ANL fuse and fuse holder,  
cable ties and fitting terminals.

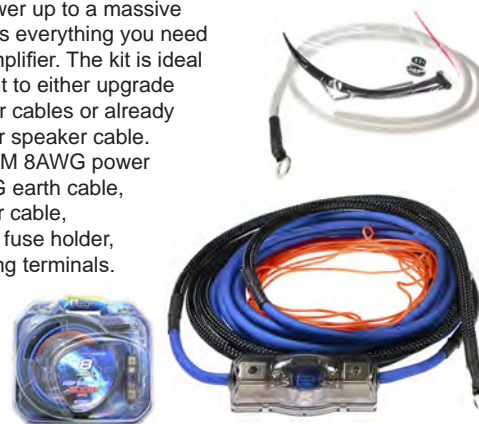
Code  
MX04



### 8 AWG MAXCOR 800 WATT POWER CABLE KIT

The MX08 will power up to a massive 600W and includes everything you need to power up an amplifier. The kit is ideal for those who want to either upgrade their current power cables or already have RCA's and/or speaker cable. The kit includes; 6M 8AWG power cable, 0.8M 8AWG earth cable, 5M 20AWG trigger cable, 60A ANL fuse and fuse holder, cable ties and fitting terminals.

Code  
MX08



### 4 AWG MAXCOR 1000 WATT STEREO CABLE KIT

The MX24 will power up to a massive 1000W and includes everything you need to install a stereo or monoblock amplifier into your vehicle.

The kit includes; 6M 4AWG power cable, 0.8M 4AWG earth cable, 5M 20AWG trigger cable, 120A ANL fuse and fuse holder, 2 channel 5M RCA's, cable ties and all required professional fitting terminals. Unlike other amp installation kits in the market, the MX24 also includes 6 metres of 14AWG speaker cable.

Code  
MX24



### 8 AWG MAXCOR 600 WATT STEREO CABLE KIT

The MX28 will power up to 600W and includes everything you need to install a 2 channel or monoblock amplifier into your vehicle.

The kit includes; 6M 8AWG power cable, 0.8M 8AWG earth cable, 5M 20AWG trigger cable, 60A ANL fuse and fuse holder, 2 channel 5M RCA's, cable ties and all required professional fitting terminals also includes 4 metres of 16AWG speaker cable.

Code  
MX28



### 4 AWG MAXCOR 800 WATT QUAD CABLE KIT

The MX44 will power up to a massive 800W and includes everything you need to install a 4 channel amplifier into your vehicle.

The kit includes; 6M 4AWG power cable, 0.8M 4AWG earth cable, 5M 20AWG trigger cable, 120A ANL fuse and fuse holder, 2 x 2 channel 5M RCA's, cable ties and all required professional fitting terminals and also includes 16 metres of 14AWG speaker cable.

Code  
MX44



### 8 AWG MAXCOR 600 WATT QUAD CABLE KIT

The MX48 will power up to a massive 600W and includes everything you need to install a 4 channel amplifier into your vehicle.

The kit includes; 6M 8AWG power cable, 0.8M 8AWG earth cable, 5M 20AWG trigger cable, 60A ANL fuse and fuse holder, 2 x 2 channel 5M RCA's, cable ties and all required terminals and also includes 13 metres of 16AWG speaker cable.

Code  
MX48







## 0 AWG 2000 WATT POWER CABLE KIT

### MEGA POWER AMP KIT 250A

The MX000 is a 0 AWG 2000W (1012W RMS) amp power wiring kit. The MAXCOR range provides you with blistering performance and uses up-spec'd components, stunning cosmetics and maximum inclusions.

- 5.5m 0 AWG MAXCOR power cable with o-ring terminal preinstalled
- 0.8m 0 AWG MAXCOR ground cable with o-ring terminal preinstalled
- 5m 20 AWG MAXCOR trigger wire with fork terminal preinstalled
- ANL fuse assembly with 250A fuse
- Distribution T Block (1x0 Gauge Input & 2x4 Gauge Outputs)
- 0 AWG grommet
- 1.8m split loom tubing
- Cable ties included
- Hex key included for installation of fuse holder

Code  
MX000



## 2 AWG 1500 WATT POWER CABLE KIT

5.5m 2 AWG MAXCOR power cable with o-ring terminal preinstalled  
0.8m 2 AWG MAXCOR ground cable with o-ring terminal preinstalled  
5m 20 AWG MAXCOR trigger wire with fork terminal preinstalled  
ANL fuse assembly with 180A fuse  
Distribution T Block (1x2 Gauge Input & 2x4 Gauge Outputs)  
2 AWG grommet  
1.8m split loom tubing  
Cable ties included  
Hex key included for installation of fuse holder

Code  
MX002



## 8 AWG 450W MAX AMP WIRING KIT 2CH

5.5M red 8 GA power cable with O-ring terminal  
0.8M black 8 GA ground cable with O-ring terminal  
50A AGU fuse with holder  
5M 2 male to 2 male RCA lead  
20 GA blue trigger wire  
1 x 2 channel RCA cable BASSIX Range (AP328BL)  
1.8m split loom tubing  
Supplied with all terminals & installation equipment.

Code  
BSX208



## 8 AWG 450W MAX AMP WIRING KIT 4CH

5.5M red 8 GA power cable with O-ring terminal  
0.8M black 8 GA ground cable with O-ring terminal  
50A AGU fuse with holder  
2x 5M 2 male to 2 male RCA lead  
8 GA grommet  
20 GA blue trigger wire  
4x fork terminals for speaker cable  
4x small speaker terminals  
4x large speaker terminals  
12x cable ties  
1.8M split loom tubing

Code  
BSX408



## 8 AWG 450W POWER CABLE KIT

Amp power wiring kit provides you with blistering performance and uses up-spec'd components, stunning cosmetics and installer inclusions.

- 5.5M red 8 AWG power cable with O-ring terminal
- 0.8M black 8 AWG ground cable with O-ring terminal
- 50A AGU fuse with holder
- Hex key for fuse holder
- 8 AWG grommet
- 20 AWG blue trigger wire
- 6 pieces cable ties

Code  
BSX008

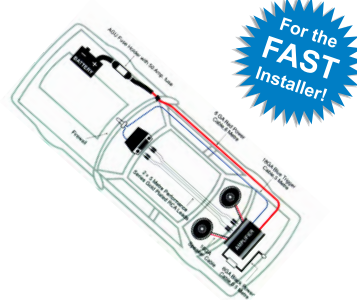






## SIMPLIFY THE INSTALLATION PROCESS BY USING A KIT

- Saves time by simplifying your purchase
- Saves time with installation procedure
- Saves money with cut correct lengths
- Saves concern with proper quality products
- Excellent attractive reseller pre-packaged



### NAKAMICHI WIRING KIT 4 AWG - 2 CHANNEL

Amp wiring kit for wiring up a 2 channel Amp with up to 2000 Watts  
 6 Metres OFC copper power cable O ring terminated at one end (Clear dark blue sheath - no tin on copper strands)  
 Mini anl fuse holder (with 200A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at one end (tinned - clear silicone sheath)  
 12 Metres 14AWG speaker cable (To split to two channels)  
 5 Metres trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 1 x 5 Metres RCA cable with right angle connectors at one end

Channel	2 CH
AWG	4 AWG
Code	NAK204



### NAKAMICHI WIRING KIT 8 AWG - 2 CHANNEL

Amplifier wiring kit 2 channel car amp 8 AWG with up to 800 watts  
 6 Metres OFC copper power cable O ring terminated at one end (clear dark blue sheath - no tin on copper Strands)  
 Mini anl fuse holder (with 100A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at One end (tinned - clear silicone sheath)  
 12 Metres 14AWG speaker cable (To split to two channels)  
 5 Metres trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 1 x 5 Metres RCA cable with right angle connectors at one end  
 Attractive packaging

Channel	2 CH
AWG	8 AWG
Code	NAK208



### NAKAMICHI WIRING KIT 4 AWG - 4 CHANNEL

Amplifier wiring kit 4 channel 4AWG 2000W  
 6 Metres OFC copper power cable O ring terminated at one end (clear dark blue sheath - no tin on copper Strands)  
 Mini ANL fuse holder (with 200A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at one end (tinned - clear silicone sheath)  
 16 Metres 14AWG speaker cable (To split to four channels)  
 5 Metres of trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 2 x 5 Metres RCA cable with right angle connectors at one end  
 T connect - 444 with 8 AWG adaptor sleeves

Channel	4 CH
AWG	4 AWG
Code	NAK404



### NAKAMICHI WIRING KIT 8 AWG - 4 CHANNEL

Amplifier wiring kit 4 channel 8AWG 800 watts  
 6 Metres OFC copper power cable O ring terminated at one end (clear dark blue sheath - no tin on copper strands)  
 Mini ANL fuse holder (with 100A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at one end (tinned - clear silicone sheath)  
 16 Metres 14AWG speaker cable (To split to four channels)  
 5 Metres of trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 2 x 5 Metres RCA cable with right angle connectors at one end  
 Attractive packaging

Channel	4 CH
AWG	8 AWG
Code	NAK408







## □ Automotive

### EXTREME-POWER OFC INTERCONNECT

Pure Oxygen-Free Copper Power Interconnect. Incredible current limits beyond measurement. Automotive grade red tinted outer jacket. For shorter lengths see our installation kits. Supplied on 30 Metre reels.

#### 2AWG 6.5mmØ + Jacket

Colour	AWG	Code
Black	2AWG	BSX230B



### HIGH-POWER OFC INTERCONNECT

High Grade Flexible 99.95% OFC SoundLink in Red or Black. 50 Metre reels (BSX is 30M).

#### 4AWG 180A 5.2mmØ Jacket 10mmØ

Heavy Duty Jacket. 30 Metres.

Colour	AWG	Code
Black Clear	4AWG	BSX430B
Red Clear	4AWG	BSX430R

#### 8AWG 92A 3.3mmØ Jacket 7mmØ

Transparent Jacket. 50 Metres.

Colour	AWG	Code
Red	8AWG	APC1280
Black	8AWG	APC1281



### LOW-POWER INTERCONNECT

Single multi-strand small gauge cable with 1.8mm O/D colour coded jacket for low power accessories, trigger, etc.

#### 20 AWG ACCESSORIES CABLE 100M

Colour	AWG	Code
Black	20	AP916BK
Blue	20	AP916BL
Green	20	AP916GR
Orange	20	AP916OR
Red	20	AP916R
Yellow	20	AP916Y

#### 16 AWG TRIGGER CABLE 100M

Colour	AWG	Code
Orange	16	MX16100



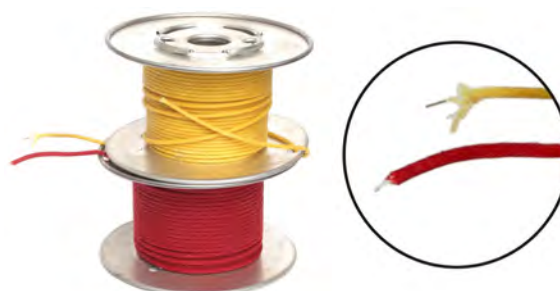
Supplied 100M Reels.

### 22 AWG CLOTH COVERED WIRE

#### VINTAGE SOLID CORE SINGLE CORD REEL 15 METRES

Authentic wire for restoration work and high temperature applications. Double woven cloth jacket, wax coated, with Celanese inner braiding. Real Deal. From the same manufacturer that supplies Fender, etc.

AWG	Colour	Length	Code
22AWG	Black	15M	PBW50BK
22AWG	Blue	15M	PBW50BU
22AWG	Brown	15M	PBW50BN
22AWG	Red	15M	PBW50RD
22AWG	White	15M	PBW50WH
22AWG	Yellow	15M	PBW50YL
18AWG	Green	6M	PBW20GN



HIGH-TEMPERATURE CLOTH WAXED

### AUTOMOTIVE TWIN POWER CABLE

Red & Black pair for speakers or DC power Extra thick PVC jacket for protection in high wear and hostile environments. Multi-stranded copper litz wire pair. Figure 8 cable. Supplied on 100M reels.

#### 12AWG 15A HEAVY DUTY JACKET

61x0.18mm Strands. 2x4.5mm Jacket.

AWG	Length	Code
12AWG x2	100M	AW1861

#### 18AWG 10A HEAVY DUTY JACKET

37x0.12mm Strands. 2x3.5mm Jacket.

AWG	Length	Code
18AWG x2	100M	AW1237







# Cables & Connectors

## □ General Purpose

### 24AWG GENERAL PURPOSE - TWIN HOOK UP 1.5mm

Grey with black tracer for low voltage. 1.5mm x 2 core with 11 x 0.16mm strands

Length	Code
100M	SPW1611



### 22AWG GENERAL PURPOSE - TWIN HOOK UP 2.5mm

Grey with red tracer for low voltage. 2.5mm x 2 core with 24 x 0.12mm strands

Length	Code
100M	SPW1224



### 18AWG SPEAKER CABLE - LIGHT DUTY JACKET

Clear PVC with Pure Copper strands.

Tracer for easy polarity ID.

Ideal for speaker box wiring, etc.

2.2mm x 2 core with 24 x 0.20mm strands

Length	Code
100M	SPW2024



### 20AWG SPEAKER CABLE - HEAVY DUTY CLEAR JACKET

Classic Speaker Interconnect.

Clear with Silver(+) & Copper(-) strands.

2.5mm x 2 core 18 x 0.16mm strands

Length	Code
100M	SPW1618



### 18AWG SPEAKER CABLE - HEAVY DUTY CLEAR JACKET

Classic Speaker Interconnect.

Clear with Silver(+) & Copper(-) strands.

3mm x 2 core 41 x 0.16mm strands

Length	Code
100M	SPW1641



### 18AWG CABLE HEAVY DUTY JACKET 10A

Red/Black heavy duty for high current. (10A)

3.5mm x 2 with 37 x 0.12mm strands

Length	Code
100M	AW1237



18AWG  
10A  
rec. max.\*

### 12AWG CABLE HEAVY DUTY JACKET 15A

Red/Black heavy duty for higher current. (15A)

4.5mm x 2 with 61 x 0.18mm strands.

Length	Code
100M	AW1861



12AWG  
15A  
rec. max.\*

### 14AWG QUAD-CORE SPEAKER CABLE

INSTALLER 100V-LINE PA & MORE!

High-grade high-current speaker cable Low-loss, low-capacitance,

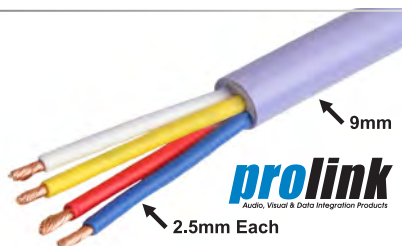
heavy gauge Quad core for Stereo or Dual-Amp runs. Suit 100V

Line PA Compatible. Heavy duty protective 9mm PVC Jacket

4x 14AWG(2.5mm) 42x0.2mm strands.

Mauve Jacket. 100 metres. Neutrik NLT4MX Compatible

Length	Code
100M	CAB4220



prolink  
Audio, Visual & Data Integration Products

ALSO:  
LOW-VOLTAGE  
& SECURITY

### TWISTED PAIR DROP CABLE

High grade, high current, low loss, low capacitance. Suitable for many applications including-Speaker

wire, both 8 ohms and 100v line, Video intercoms , Low voltage applications (AC or DC) eg, security,

garden lights etc. Twisted pair in black PVC Jacket, ideal for running through walls and areas which

are damp and prone to water penetration or applications where a better quality cable is required.

8mm Outer sheath 1mm thick. 3mm with 48 strands x 0.2mm x 2 core, 300Vac max.

Length	Code
100M	CAB4822







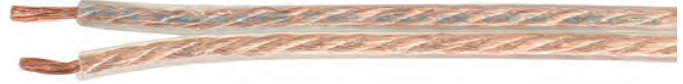
## □ Speaker

### 18AWG SOUNDLINK OFC SPEAKER CABLE

This High Grade speaker interconnect cable is designed for low loss signal transfer for optimum home and car audio applications. 99.95% OFC. Figure 8 Clear PVC jacket. Low power type, eg. Surround sound, etc. 18AWG OD=3.5x7mm. Strands:105x0.1mm x2

Length	Code
50M	AIC335
100M	AIC1335

**Soundlink**  
50M & 100M



### 15AWG SOUNDLINK OFC SPEAKER CABLE

This High Grade speaker interconnect cable is designed for low loss signal transfer for optimum home and car audio applications. 99.95% OFC. Figure 8 Clear PVC jacket. Suit most under 100WRMS systems. 15AWG OD=3.5x7mm. Strands:189x0.1mm x2

Length	Code
50M	AIC727
100M	AIC1727

**Soundlink**  
50M & 100M



### 13AWG SOUNDLINK OFC SPEAKER CABLE

High Grade speaker interconnect cable, designed for low loss signal transfer, for optimum home and car audio applications. 99.95% OFC. Figure 8 Clear PVC jacket. Low loss for longer signal runs. 13AWG OD=4x8mm Strands:315x0.10mm x2

Length	Code
50M	AIC745
100M	AIC1745

**Soundlink**  
50M & 100M



### 11AWG SOUNDLINK OFC SPEAKER CABLE

High Grade speaker interconnect cable, designed for low loss signal transfer for optimum home and car audio applications. 99.95% OFC. Figure 8 Clear PVC jacket. For High System Power, low loss. 11AWG OD=4.5x9mm Strands:504x0.1mm x2

Length	Code
50M	AIC772
100M	AIC1772

**Soundlink**  
50M & 100M



### 10AWG AERPRO OFC SPEAKER CABLE HIGH POWER !

High Grade speaker interconnect cable, designed for low loss signal transfer for optimum home and car audio applications. Ultra-OFC. Figure 8 Clear PVC jacket. For very High System Power, low loss. 10AWG OD=6x10mm Strands:672x0.1mm x2

Length	Code
50M	AP945

**Soundlink**  
50M



### 16AWG SOUNDLINK-QUAD OFC SPEAKER CABLE FOUR PLY

High grade OFC in a unique quad form. Suit Bi-wire, Bi-amp or stereo runs under carpets in car audio or home HiFi. Excellent long-run characteristics. Will split down the middle for normal stereo left/right cable runs. Supplied in a 50M length (which is actually 100M if split down the middle!) 0.12 X 132 STRANDS (x4) 16AWG/12AWG

Length	Code
50M	OFC132



### 12AWG SOUNDLINK-QUAD OFC SPEAKER CABLE FOUR PLY ULTRA FLAT

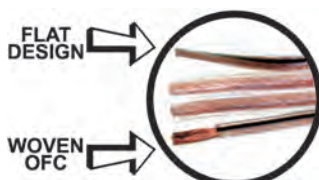
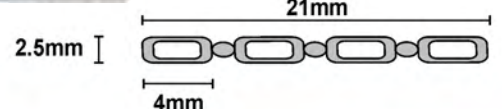
Exotic high grade 99.99% OFC copper in a unique quad low-profile form. Unique ultra-thin, woven copper in a low profile for reduced capacitance. Ideal for running along floors under carpets in car audio or home HiFi. Will split down the middle for normal left&right stereo or Bi-wiring, etc. Supplied in a 50M length (which is actually 100M if split down the middle!) Recommended by leading audiophile stockist as an incredibly good cable with remarkable sonics for exceptional value for money audiophile use. 0.07 X 384 STRANDS (x4) 12AWG/10AWG

Length	Code
50M	OFC384

Recommended By:



**Soundlink**  
50M



*SUGGESTED AWG CABLE RATING GUIDE			
POWER	5M	10M	20M
10-50W	18AWG	17AWG	16AWG
50-100W	15AWG	14AWG	13AWG
100-500W	13AWG	12AWG	11AWG
500-1KW	10AWG	9AWG	8AWG

\*A GENERALIZATION FORMULA FOR USE AS A GUIDE ONLY. 8 ohm  
Longer lengths are OK. Volume Loss may exceed 3dB  
and frequency response may also be affected. 4 ohm





# Cables & Connectors

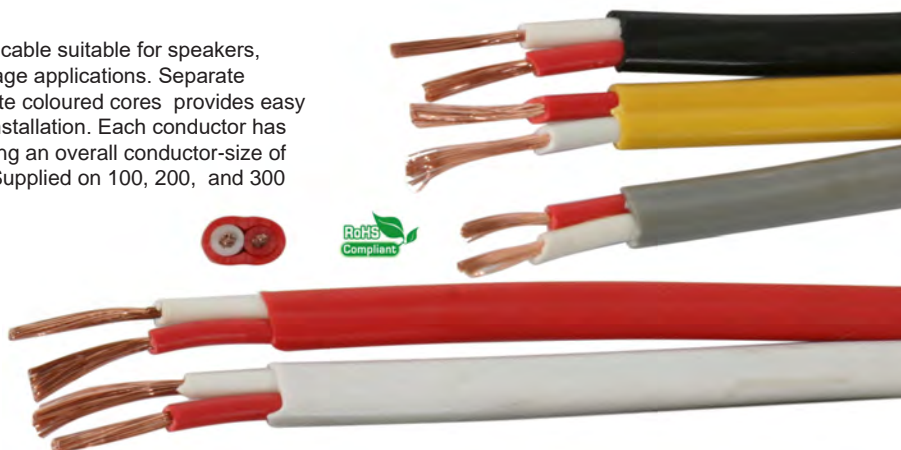
## □ Double Insulated

### 18AWG DOUBLE INSULATED

#### 24/0.20 TWIN CORE

General purpose double PVC insulated figure-8 cable suitable for speakers, security systems, fire system and other low voltage applications. Separate conductors with non-bonded sheath. Red & White coloured cores provides easy identification to avoid polarity-reversals during installation. Each conductor has 24 strands of 0.20mm diameter copper wire giving an overall conductor-size of 0.75mm<sup>2</sup> (18AWG). Available in many colours. Supplied on 100, 200, and 300 Metre strong polypropylene reels.

Size: 2 by 24 strands of 0.20mm  
Voltage Rating: 600V AC  
Current Rating: 7.5 Amps  
Jacket: 6 x 3.5mm  
Conductor Area: 0.75mm<sup>2</sup>  
Conductor Gauge: ~18AWG  
Temperature Rating: 75°C



Colour	Length	Code
Red	100M	CAB2421RD
Red	200M	CAB2422RD
Red	300M	CAB2423RD
Red	500M	CAB2425RD
White	100M	CAB2421WH
White	200M	CAB2422WH
White	300M	CAB2423WH
White	500M	CAB2425WH

Colour	Length	Code
Brown	100M	CAB2421BR
Brown	200M	CAB2422BR
Brown	300M	CAB2423BR
Brown	500M	CAB2425BR
Grey	100M	CAB2421GY
Grey	200M	CAB2422GY
Grey	300M	CAB2423GY
Grey	500M	CAB2425GY

Colour	Length	Code
Yellow	100M	CAB2421YL
Yellow	200M	CAB2422YL
Yellow	300M	CAB2423YL
Yellow	500M	CAB2425YL
Black	100M	CAB2421BK
Black	200M	CAB2422BK
Black	300M	CAB2423BK
Black	500M	CAB2425BK

### 17AWG DOUBLE INSULATED

#### 32/0.20 TWIN CORE

Specification  
Size: 2 by 32 strands of 0.20mm  
Voltage rating: 600V AC  
Current rating: 10 Amps  
Jacket: 6.8 x 4mm  
Conductor area: 1mm<sup>2</sup>  
Conductor gauge: ≈17AWG  
Temperature rating: 75°C

Colour	Length	Code
Red	300M	CAB3223RD
White	300M	CAB3223WH
Red	500M	CAB3225RD
White	500M	CAB3225WH



### 15AWG DOUBLE INSULATED

#### 7/0.50 TWIN CORE

Specification  
Size: 2 by 7 Strands of 0.5mm  
Voltage rating: 600V AC  
Current rating: 14 Amps  
Jacket: 9.4 x 5mm  
Conductor area: 1.4mm<sup>2</sup>  
Conductor gauge: ≈15AWG  
Temperature rating: 75°C

Colour	Length	Code
Red	300M	CAB7053RD
White	300M	CAB7053WH
Red	500M	CAB7055RD
White	500M	CAB7055WH



## □ Power

### TWIN / TWIN & EARTH FLAT POWER CABLE

Designed for general wiring in domestic, commercial and industrial applications where the cable is not subject to mechanical damage. It is made from plain annealed copper wires, easy peel 3V-90 sheath, and is protected by PVC 90 insulation. It complies with AS/NZS 5000.2 standard.

Size	Nom. Area	Core	Length	Code
7x0.5mm	1.5mm <sup>2</sup>	2	100m	PWF2151
7x0.67mm	2.5mm <sup>2</sup>	2	100m	PWF2251
7x0.5mm	1.5mm <sup>2</sup>	3	100m	PWF3151
7x0.67mm	2.5mm <sup>2</sup>	3	100m	PWF3251



### MAINS 240VAC 10A 3-CORE CABLE

Typical Mains Cord, Extra Flexible type. 3 Core Multi-strand Flex. 10A cable. Double Insulated. Supplied on 100M Reels. Save money with ProLink.

Colour	Length	Size	Code
Grey	100M	1.0mm <sup>2</sup>	PWC3-10G
Black	100M	1.0mm <sup>2</sup>	PWC3-10B

### MAINS 240VAC 7A 2-CORE CABLE

Mains Twin Lamp Cord. Flat, in white or black. 2 Core Multi-strand Flex. 7A cable. Double Insulated. Supplied on 100M Reels. Save money with ProLink.

Colour	Length	Size	Code
Black	100M	0.75mm <sup>2</sup>	PWC2-10B
White	100M	0.75mm <sup>2</sup>	PWC2-10W







## Communication

### CURLY CORDS

Primarily for CB microphones, etc. Will suit other applications. 3 or 5 core plus braid shielding.

Description	Length	Code
3 Core	1.8M (6ft EXT)	ML3-6
3 Core	2.75M (9ft EXT)	ML3-9
3 Core	3.65M (12ft EXT)	ML3-12
5 Core	1.8M (6ft EXT)	ML5-6
5 Core	2.75M (9ft EXT)	ML5-9
5 Core	3.65M (12ft EXT)	ML5-12



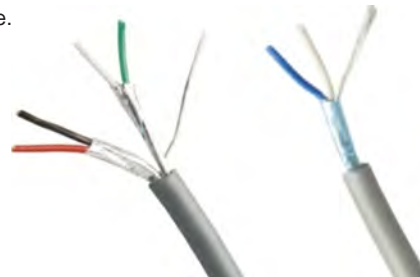
## Security, Data, Communication

### SECURITY & CONTROL CABLE SHIELDED

Twisted Pair 7x0.22mm wrapped in Aluminium Mylar Shielding with drain wire.

Description	Length	Colour	Code
2 Core + Shield	100M	Grey	SHW3035
2 Core + Shield	300M	Grey	SHW3036
2+2 Core + Shield	100M	Grey	SHW3032
2+2 Core + Shield	305M	Grey	SHW3033

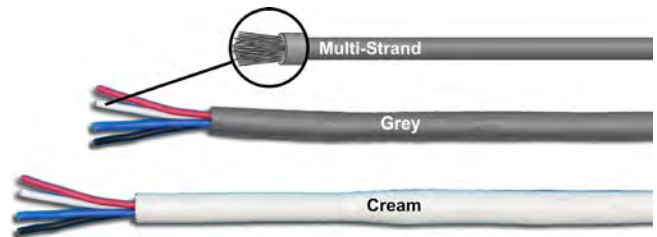
Blue CAT5/6e Shielded now available. Please Enquire...



### SECURITY & CONTROL CABLE 4 CORE

Colour	Length	Code
White	100M	SEC414WH-100
White	305M	SEC414WH-305
Brown	100M	SEC414BR-100
Brown	305M	SEC414BR-305
Grey	100M	SEC414GY-100
Grey	305M	SEC414GY-305
Grey	100M	SHW3032
Grey	305M	SHW3033

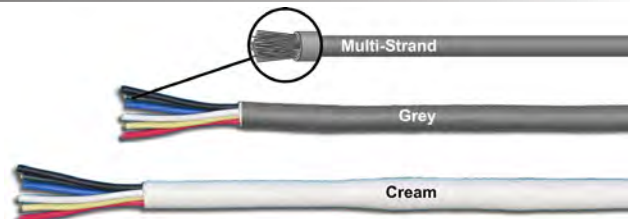
PVC outer, Diameter 5mm.  
Twisted Pair. 14 multi-strand  
core by 4 with colour ID.



### SECURITY & CONTROL CABLE 6 CORE

Colour	Length	Code
White	100M	SEC614WH-100
White	305M	SEC614WH-305
Grey	100M	SEC614GY-100
Grey	305M	SEC614GY-305
Brown	100M	SEC614BR-100
Brown	305M	SEC614BR-305

PVC outer, Diameter 6mm.  
Twisted Pair. 14 multi-strand  
core by 6 with colour ID.



### TELEPHONE CABLE - ROUND JACKET WITH TWO TWISTED PAIRS

#### GENUINE AUSTEL APPROVED 4C TELECOMMUNICATIONS CABLE

Cream Jacket. Solid core conductors. RED, BLACK, BLUE & WHITE.  
As used in telephone installations. Supplied on reels in two lengths.

Length	Code
300M	TC4-300



### MODULAR FLAT MULTI-CONDUCTOR COMMUNICATION CABLE

Designed for use with modular connectors for extension leads etc.  
Can be used for many applications, burglar alarms etc.  
Cream in colour, supplied in a 100M pull box.

Length	Strands	Code
100M	4	FMC4
100M	6	FMC6
100M	8	FMC8







## NETWORKING CABLE CAT-5e & CAT6 - PREMIUM GRADE

### CATEGORY 5e & 6 CABLE AUSTEL APPROVED FULL COPPER IN PULL BOX 100M & 305M

8x copper conductors in colour coded twisted pairs. Flame retardant polyethylene insulated, PVC sheathed. Suitable for a myriad of communication applications. Premium grade. Fully Austel Approved. Installers choice. See Section DATA & COMPUTER for Connection Solutions. Crimp. Pre-made CAT5/6 leads, etc.



### CAT-5e SOLID CORE

#### Category-5e 8x Single-Strand Full Copper Conductors

1GBps/100M Max. Twisted pairs (4x2) Full Copper w/ Colour coded insulation. Fully Austel Approved ISO/IEC 11801 and TIA/EIA 506 channel tested. Flame Retardant Polyethylene jacket. Nylon cord. Reverse metred Pull box.

#### SOLID CORE 100 Metre

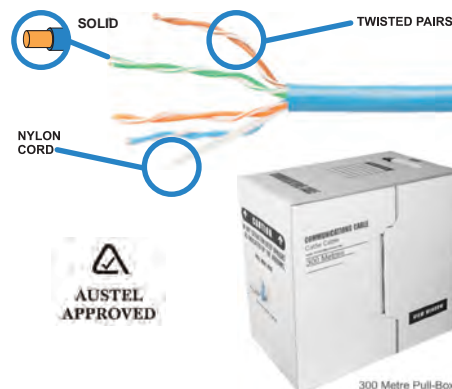
Pull-Box Reverse-Metre-Marked 24AWG ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
100M	Solid	Blue	CNC5100BU

#### SOLID CORE 305 Metre

Pull-Box with Reverse-Metre-Marked cable ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
305M	Solid	Blue	CCU5305BU
305M	Solid	Yellow	CCU5305YL
305M	Solid	Red	CCU5305RD
305M	Solid	Green	CCU5305GN
305M	Solid	Grey	CCU5305GY
305M	Solid	Black	CCU5305BK



### CAT-5e MULTI-STRAND

#### Category-5e 8x Multi-Strand Full Copper Conductors

1GBps/100M Max. Twisted pairs (4x2) Full Copper w/ Colour coded insulation. Fully Austel Approved ISO/IEC 11801 and TIA/EIA 506 channel tested. Flame Retardant Polyethylene jacket. Nylon cord. Reverse metred Pull box.

#### MULTI-STRAND 100 Metre

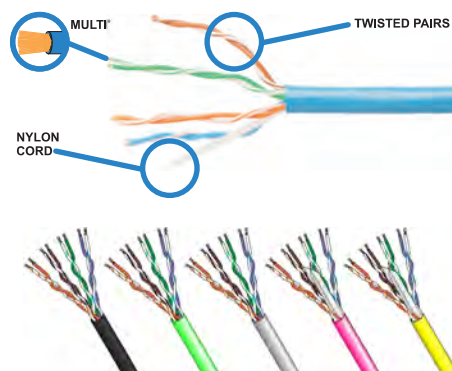
Pull-Box Reverse-Metre-Marked 24AWG ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
100M	Multi	Blue	CNC5101BU
100M	Multi	Yellow	CNC5101YL
100M	Multi	Green	CNC5101GN
100M	Multi	Pink	CNC5101PK

#### MULTI-STRAND 305 Metre

Pull-Box Reverse-Metre-Marked 24AWG ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
305M	Multi	Blue	CNC5306BU
305M	Multi	Yellow	CNC5306YL



### CAT-6 SOLID CORE

#### Category-6 8x Single-Strand Full Copper Conductors

10GBps/250M max. Twisted pairs (4x2) Full Copper w/ Colour coded insulation. Fully Austel Approved. Low cross-talk, low noise, premium grade cable. Class-E Flame Retardant Polyethylene jacket. Reverse metred Pull box.

#### SOLID CORE 100 Metre

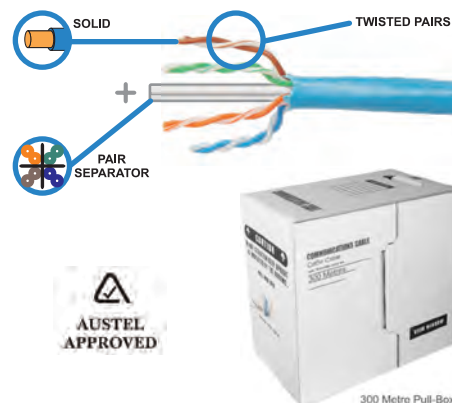
Pull-Box Reverse-Metre-Marked 24AWG ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
100M	Solid	Blue	CNC6100BU
100M	Solid	Grey	CNC6100GY
100M	Solid	Green	CNC6100GN

#### SOLID CORE 305 Metre

Pull-Box with Reverse-Metre-Marked cable ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
305M	Solid	Blue	CCU6305BU
305M	Solid	Yellow	CCU6305YL
305M	Solid	Grey	CCU6305GY
305M	Solid	Red	CCU6305RD
305M	Solid	Green	CCU6305GN
305M	Solid	Black	CCU6305BK



### CAT-6 MULTI-STRAND

#### Category-6 8x Multi-Strand Wires

10GBps/250M max. Twisted pairs (4x2) Full Copper w/ Colour coded insulation. Fully Austel Approved. Low cross-talk, low noise, premium grade cable. Class-E Flame Retardant Polyethylene jacket. Reverse metred Pull box.

#### MULTI-STRAND 100 Metre

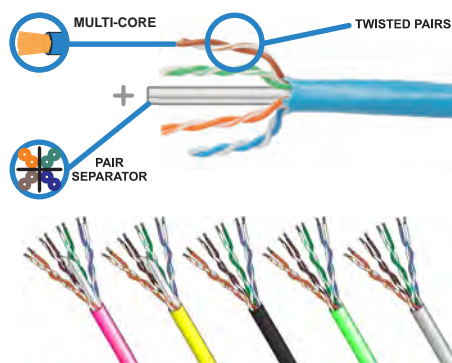
Pull-Box Reverse-Metre-Marked 24AWG ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
100M	Multi	Blue	CNC6101BU

#### MULTI-STRAND 305 Metre

Pull-Box Reverse-Metre-Marked 24AWG ISO/IEC 11801 and TIA/EIA 568 Verified

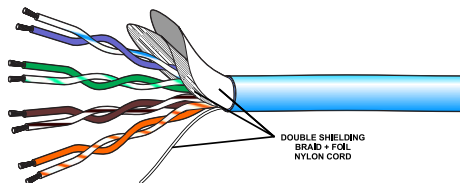
Length	Core	Colour	Code
305M	Multi	Blue	CNC6306BU
305M	Multi	Red	CNC6306RD
305M	Multi	Green	CNC6306GN







## CAT5e CABLE SHIELDED



### MULTI-STRAND SFTP 26AWG

Pull-Box Reverse-Metre-Marked 26AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

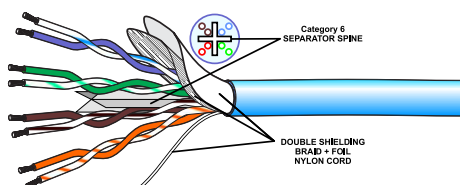
Length	Core	Colour	Code
100M	Multi	Blue	CNC5103
305M	Multi	Blue	CNC5308

### SOLID-STRAND SFTP 24AWG

Length	Core	Colour	Code
100M	Solid	Blue	CNC5102
305M	Solid	Blue	CNC5307



## CAT6 CABLE SHIELDED



### MULTI-STRAND SFTP

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
100M	Multi	Blue	CNC6103
305M	Multi	Blue	CNC6308

### SOLID-STRAND SFTP

Length	Core	Colour	Code
100M	Solid	Blue	CNC6102
305M	Solid	Blue	CNC6307



## CAT5e / CAT6 SOLID CORE IN AN EASY-PULL BOX

### PREMIUM CABLE - TANGLE FREE DISPENSER

Reel on a base for easy pull of cable to reduce twist and tangles. Supplied in a 1000 foot box. Full copper conductors. 24AWG ISO/IEC 11801 and TIA/EIA 568 Verified. Reverse-Metre-Marked.

Length	Type	Code
305M	Cat5e	CNC5305BU
305M	Cat6	CNC6305BU



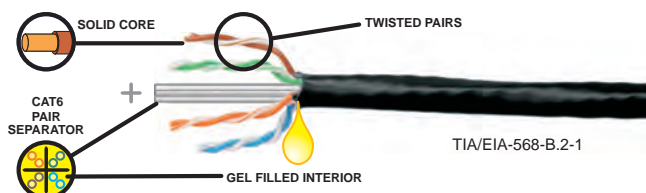
REEL STYLE MAY VARY

## CAT5e/CAT6 UNDERGROUND OUTDOOR

### GEL FILLED SOLID CORE

Bare copper solid core wires with individual HDPE insulated set in a gel filled heavy duty UV resistant black LDPE outer jacket 7.0mmØ (0.7mm thick). Suitable for long life heavy duty applications where a moisture resistant data cable is required. Rated temp° -20°C to 60°C. Reverse metre marked.

Length	Colour	Type	Code
305M	Black	CAT5e	CNC5309BK
305M	Black	CAT6	CNC6309BK



TIA/EIA-568-B.2-1

## CAT6A SOLID-STRAND FUTP CABLE 500M

### PREMIUM CAT6A FULL COPPER CONDUCTORS

10GBps/100M max. Consists of four unshielded twisted pairs (4x2) encased in an overall foil shield. Fully Austel Approved. Low cross-talk, low noise, with outer flame retardant LSZH polyethylene purple jacket. Full copper conductors. Packaged in a 500M reel.

Length	Type	Code
500M	CAT6A	CNC6500PU



## TWISTED PAIR DROP CABLE

High grade, high current, low loss, low capacitance. Suitable for many applications including-Speaker wire, both 8 ohms and 100v line, Video intercoms, Low voltage applications (AC or DC) eg, security, garden lights etc. Twisted pair in black PVC Jacket, ideal for running through walls and areas which are damp and prone to water penetration or applications where a better quality cable is required. 8mm Outer sheath 1mm thick. 3mm with 48 strands x 0.2mm x 2 core, 300Vac max.

Length	Code
100M	CAB4822



## COMPUTER CABLE MULTI-CONDUCTOR

Multi-coloured wires in one sheath protected by Aluminium wrap shielding with steel earth wire. As used in computer communication cords.

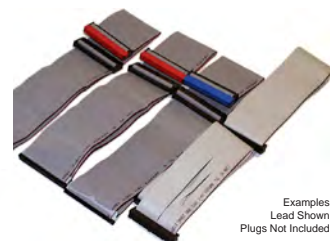
Description	Reel	Code
9 Conductor + Earth/Screen	100M	CC90
25 Conductor + Earth/Screen	100M	CC250



## FLAT IDC CABLE MULTI-CONDUCTOR

Multi-Strand Ribbon Cable. As used in PCs. 0.050"/1.127mm Spacing.

Description	Length	Code
9 Core	60M	FC9
15 Core	60M	FC15
16 Core	60M	FC16
25 Core	60M	FC25
40 Core	30M	FC40



Examples Lead Shown Plugs Not Included

## CAT5e & CAT6 CABLE IN SHORTER LENGTHS

Ethernet interconnects are price competitive enough to purchase at the desired length and cut off the plugs if not required!

See Data & Computer Section...

Available in lengths from 0.5M and up.







# Cables & Connectors

## □ Velcro

### VELCRO® BRAND ONE-WRAP®

One-Wrap® is double sided Velcro® Hook one side, Loop the other Unlike cable ties this is reusable Supplied in 2 Metre rolls. 25mm width.

Colour	Length	Code
Black	2M	FT25572
White	2M	FT25573



### VELCRO® BRAND ONE-WRAP® LONG

One-Wrap® is double sided Velcro® Hook one side, Loop the other Secures items and cables, etc. Supplied in 5 Metre rolls

Colour	Length	Width	Code
White	5M	25mm	FT25579
Black	5M	25mm	FT25578
Black	22.8M	12mm	FT189755
Black	22.8M	19mm	FT189645



### VELCRO® BRAND REUSABLE CABLE WRAP

Reusable fire retardant strap, weatherproof, suitable for cable management.

Width: 19mm  
Length: 3.6M

Code  
FT26095



### VELCRO® BRAND EASY HANG STRAP

The heavy duty hang strap is designed to allow the user to hang heavy items off the wall, or other structures. Allows easy storage of cable cords, pipes, hoses and ladder, etc.

Weight	Size	Code
40Kg	430x25mm	FT21126
80Kg	630x25mm	FT21127
120Kg	830x40mm	FT21128



### VELCRO® BRAND TIES

19mm x 200mm Double sided Velcro® Hook one side, Loop the other with feed-thru 1/2" buckle hold. Ideal re-usable cable organiser. Supplied no packaging (bulk).

Colour Code

Black FT20017  
Bulk Roll quantity is 100 pcs (POA)



### VELCRO® BRAND TIES PACK

25x200mm Double sided Velcro® Hook one side, Loop the other with feed-through 1" buckle hold Excellent cable organiser. Supplied in blister pack hanger. Order one to receive a box of 5.

Colour Code

Black FT25564



### VELCRO® BRAND TIES COLOUR

25x200mm Double sided Velcro® Hook one side, Loop the other with feed-through 1" buckle hold Supplied in blister pack hanger Order one to receive a box of 5 Red Blue Green Yellow Black

Code  
FT25565



### VELCRO® VELSTRAP®

#### VELCRO® WITH A 1" BUCKLE

25mm wide Velcro® Strip with a ring for a secure hold of bulky items. Plastic buckle allows easy adjustment and extra wrap hold strength. Suitable for many holding and securing type applications. Several lengths available...

Length Code

300mm	FT22002
450mm	FT22102
600mm	FT22202
900mm	FT22302



### VELCRO® BRAND TROLLEY STRAP

This Velcro® trolley strap has a fluorescent orange colour which makes it highly visible from a distance, thus making it easier to find your luggage or bags. The Velcro® strap can also help to secure your luggage in case the lock or zipper is broken. Moreover, it can be used to secure items on your hand trolley to prevent the items from falling off. 50mm x 1.8M nylon strap.

Size Code  
50x1800mm FT22882







## □ Velcro

### VELCRO® BRAND STICKY-BACK

**Sticky-Back** is a weather resistant adhesive backed Hook-Loop fastener. 2x1M rolls= 1M Total.

Colour	Length	Code
Black	1M	FT25570
White	1M	FT25571



### VELCRO® BRAND HANDY-DOTS

Weather resistant adhesive backed Hook-Loop fasteners pre-cut 22mm (~1") circles. Light duty hold points ~100g. 40x Pairs supplied packaged.

Colour	Code
Black	FT25568
White	FT25569



### VELCRO® BRAND HOLD-DOWN

Pre-cut strips of Velcro® with an adhesive bond backing for fastening over a 1Kg each! 50x25mm. Six sets in a pack.

Colour	Code
Black	FT25558



### VELCRO® BRAND HOLD-DOWN

#### ROUGH SURFACE TYPE

Pre-cut strips of Velcro® with an adhesive bond backing for fastening to most porous surfaces 100x25mm. Three sets in a pack.

Colour	Code
Grey	FT25546



### HOOK & LOOP SELF-GRIPPING FASTENER

Adhesive backs. 26 x 150mm. 10 pcs per bag.

Code
AFT10



### DOUBLE-SIDED TAPE

#### FOAM & CLOTH STICKY TAPES

Adhesive on both sides. Various types available. Foam sponge thick types. Extra thin tissue types. Heavy-duty Gaffa types.



See Section TOOLS & TEST EQUIPMENT

### VELCRO® BRAND SURFACE PREPARATION WIPES

#### IMPREGNATED ISOPROPYL ALCOHOL

Wet type, surface preparation wipe. Remove Oil, Grease and Dust etc. Isopropyl alcohol cleaner. For cleaning and preparing surfaces for a good contact of adhesives, etc. Wipe Size : 125x145mm.

Code	5 Sachets per Pack
FT60005	

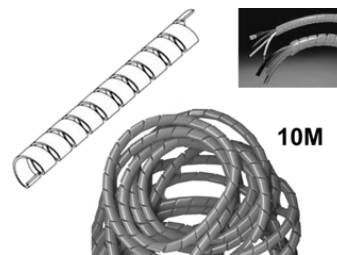


## □ Slewing

### SPIRAL WIRE WRAP LIGHT

Winds around to secure messy wiring from behind computers, stereos, etc. Approx. 10 Metres at 5mmØ. Stretches to about 25mm.

Colour	Code
Black	SPWR10BK
White	SPWR10WH



### SPIRAL WIRE WRAP

Winds around messy cabling and protects. Aerpro. BLACK. Length is approx. 10M.

Diam.	Code
4-50mm	SLT4
7.5-60mm	SLT75
15-100mm	SLT15



### SPIRAL WIRE WRAP HEAVY DUTY

Winds around to secure messy wiring from behind computers, stereos, etc. Approx. 10 Metres at 20mmØ. Stretches to around 120mm+.

Colour	Code
Black	SPRL15B
White	SPRL15W



### EASY-WRAP CABLE TIDY

#### NEAT & TIDY ORGANIZER

CABAC Easy Wrap Solution Puts all your messy cords neatly in one place! Includes a handy applicator making assembly quick n' easy! A unique solution to a messy problem. Easy to remove and re-use too....

20mm x 1.5M

Code
EW20BK

16mm x 1.5M

Code
EW16BK



### SPLIT WIRE WRAP REINFORCED

#### AUTOMOTIVE LOOM TYPE

Split down the middle for inserting multiple wiring. Protective ribbed casing, like a vacuum hose, so will bend for easy installation. Diameter does not stretch. Flexible UV Black ABS Plastic. 10 Metre lengths, several sizes.

7mm x 10M

Code
PST7

10mm x 10M

Code
PST10

16mm x 10M

Code
PST16







# Cables & Connectors

## □ Cable Ties

### CABLE TIES

ORDER ONE BAG TO RECEIVE 100 PIECES

Colour	Size	Code
White	100mm x 2.5mm	NCT120
Black	100mm x 2.5mm	NCT121
White	142mm x 3.6mm	NCT130
Black	142mm x 3.6mm	NCT131
White*	156mm x 3.6mm	NCT140
Black *	156mm x 3.6mm	NCT141
White	203mm x 3.6mm	NCT150
Black	203mm x 3.6mm	NCT151
White	292mm x 4.8mm	NCT160
Black	292mm x 4.8mm	NCT161

\* Cable ties with Anchor Point (See below)



#### ASSORTED SIZES



#### 100 Pieces



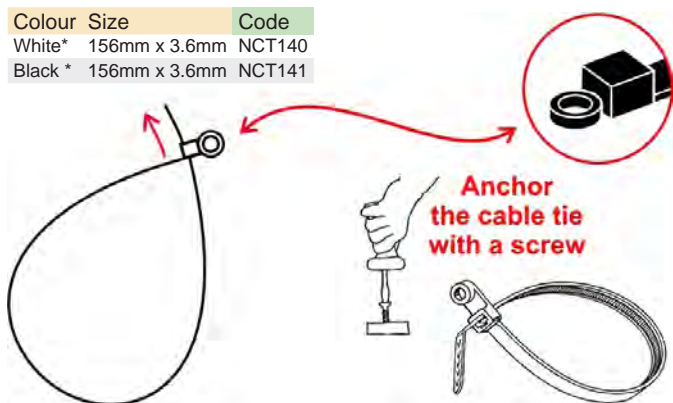
#### BLACK or WHITE



### CABLE TIES WITH ANCHOR

Terminates to a ring for securing with a screw, etc.  
Order ONE to receive a bag of 100 pieces.

Colour	Size	Code
White*	156mm x 3.6mm	NCT140
Black *	156mm x 3.6mm	NCT141



### CABLE TIES IN A KIT

#### 100 PIECES ASSORTED

Excellent hobby or tradesman solution with a selection of popular sizes of cable ties and stick-on holders too. Nylon. Assorted colours. Supplied in a plastic jar.

50x	2.5 x 100mm
25x	2.5 x 200mm
25x	Stick-N-Hold

Code
NCT500



### CABLE TIE GUN

Tightens cable ties with a trigger. Automatic tension, pull and cut in one action, then twist to cut off excess.

Code
HT381



### CABLE CLIPS FIGURE-8

#### DUAL [X2] CABLE

Order One to receive 20  
Suits Figure eight cable  
White. Nail inclusive.

Size	QTY	Code
5mm	x20	DQ5
13mm	x20	DQ13
15mm	x20	DQ15



### CABLE CLIPS COAX & POWER CORD

#### ROUND CABLE

Order One to receive 100 (or 20\*)

Size	QTY	Colour	Code
5mm	x100	White	CC500WH
5mm	x100	Black	CC500BK
6mm	x100	White	CC600WH
6mm	x100	Black	CC600BK
7mm	x100	White	CC700WH
7mm	x100	Black	CC700BK
10mm	x20*	White	DQ10



### CABLE CLIPS STICK-ON

Adhesive backed clips  
Accepts up to 7mm diameter  
Receive a bag of 10.

Size	Code
7mm	CTC12



### CABLE CLIPS STICK-ON

Adhesive backed clips  
Accepts up to 7mm diameter  
Receive a bag of 10.

Size	Code
7mm	CTC10



### TWIST-LOCK CABLE HOLDER

#### STAND-OFF

4mm Hole mount 11mm  
Cable 20mm stand-off

Code
WTL11

#### LARGE 17mm Cable

Code
WTL17



### SQUARE CABLE HOLDER

#### LOCKS

4mm Hole mount 16x11mm Cable holder

Code
WH1

#### LARGE 25x11mm

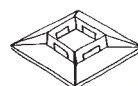
Code
WH2



### CABLE TIE MOUNTS

Suit standard Cable ties  
Panel mount anchoring  
28mm² Adhesive Backed  
Packaged in bags of 10,  
Black or White.

Colour	Code
White	CTM100
Black	CTM101







## THE HERBIE CLIP™

When it comes to hose clamps, nothing beats the reliability and speed of fitting the Herbie Clip. Available in a comprehensive range of sizes, the Herbie Clip is a one piece nylon hose clamp that uses a proven double row of interlocking teeth to produce an extremely secure and reliable fit. Near perfect circle fitting for a better, tighter seal as a hose clamp. Quality molded from Nylon 6.6 carbon based polymer for extra long life, it is totally resistant to any atmospheric conditions. Impervious to a majority of chemicals and fuels, salt water, etc. Excellent in hostile environments. A popular solution in many industries worldwide for twenty years now.

A min	B max	C width	D	E	F	G	Code
5.60	6.50	4.2	1.4	8.3	17.5	0.53	HC0642
6.50	7.90	4.5	1.6	9.9	20.9	0.82	HC0745
7.90	9.20	4.4	1.6	9.3	20.7	0.90	HC0844
9.20	10.3	4.5	1.7	10.9	22.2	1.11	HC1045
10.2	11.8	5.8	1.7	12.2	27.9	1.73	HC1158
11.1	12.9	6.1	1.7	12.3	28.7	1.94	HC1261
12.0	13.8	6.1	1.7	12.9	28.9	1.95	HC1361
13.5	15.1	7.1	2.0	13.6	32.7	3.26	HC1471
15.0	17.1	7.1	2.0	12.9	34.8	3.18	HC1671
16.9	19.1	6.9	2.1	12.5	32.4	2.00	HC1869
18.1	20.6	7.1	2.1	12.7	35.7	3.23	HC1971
20.3	23.0	6.4	2.1	14.2	39.0	1.08	HC2264
22.2	24.9	7.0	2.0	13.0	37.0	3.61	HC2470
24.5	27.6	7.1	2.1	12.5	37.3	3.43	HC2671
26.5	29.5	7.4	2.2	13.4	40.0	4.80	HC2874
28.8	32.2	9.0	2.0	13.4	42.0	5.60	HC3090
32.0	34.8	9.1	1.9	13.8	40.0	6.15	HC3391
34.3	37.9	8.9	2.1	13.5	42.0	7.05	HC3689
37.0	40.4	8.9	2.1	13.3	42.2	6.48	HC3989
40.1	44.2	9.0	2.2	13.4	42.2	6.60	HC4290
43.2	46.2	8.9	2.1	12.8	42.5	6.81	HC4589
45.8	50.4	9.0	2.0	13.9	45.0	7.31	HC4790
48.5	53.8	9.0	2.1	14.4	48.0	8.17	HC5190
53.0	57.0	9.0	2.1	14.7	49.0	7.61	HC5590
54.9	60.1	9.3	2.3	16.0	53.4	9.95	HC5793
59.0	64.7	17.0	9.3	10.7	9.3	7.93	HC6393



You can use any Multi-Grip type hand tool.  
For a consistent setting, use the tools below.

## HERBIE CLIP™ TOOLS

### CLIP REMOVAL TOOL

Twist to remove the Herbie Clip.

Code  
HCT4000



### MANUAL FITTING TOOL

Clamps to the same number of teeth.

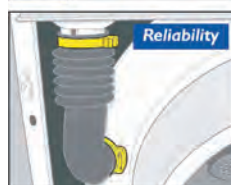
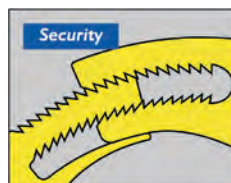
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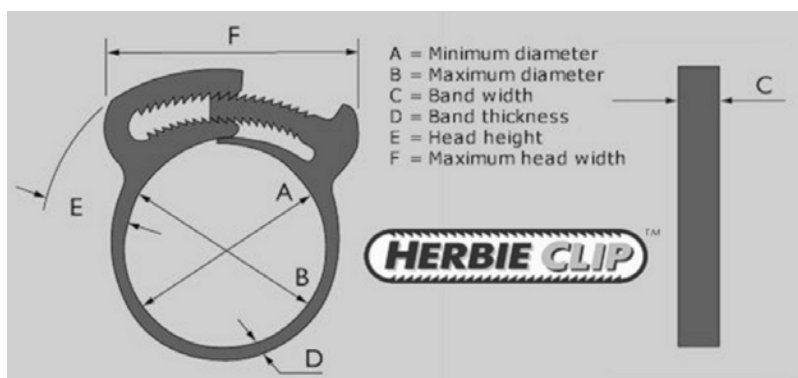
*Very Strong and Reliable  
Very Fast Application  
Nylon Hose Fastener  
18 Years Strong*

**HERBIE CLIP™**

*The Double Grip Hose Clip  
Available in 5mm to 105mm*



THE SMART SOLUTION FOR MANY APPLICATIONS:







# Cables & Connectors

## □ Cabling Sleeving

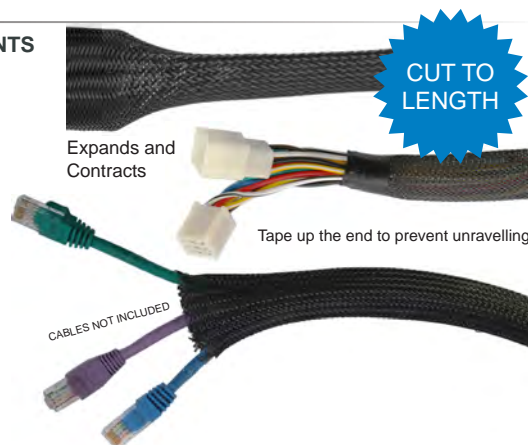
### PPS EXPANDABLE BRAIDED SLEEVING

#### HEAVY-DUTY CABLE ORGANISER AND PROTECTOR FOR HOSTILE ENVIRONMENTS

Strong expandable firm poly braid sleeving that not only provides a professional look but also protects cables, wires and hoses from abrasion. It has high temperature stability, chemical and UV resistance, low moisture absorption and excellent dimensional stability. Neat, tidy and protected cabling. Stretches to allow plugs to feed through, then returns to "min" diameter. PPS can be terminated using electrical tape, wire ties or heat shrink to prevent the braid unravelling.

Reels are sold Cut-To-Length required. Codes listed below is per metre.  
To order a full reel, please quote the appropriate Length in metres.  
eg. For a full reel of 150M, order 150x PPS-032

Nominal Size	Min.	Max.	Colour	Code
6mm	3mmØ	9mmØ	Black	PPS-006
10mm	7mmØ	19mmØ	Black	PPS-010
19mm	14mmØ	30mmØ	Black	PPS-019
32mm	20mmØ	50mmØ	Black	PPS-032
50mm	40mmØ	80mmØ	Black	PPS-050



### POLYESTER CABLE SLEEVING EXPANDABLE

Polyester cable sleeving is Flame-retardant and halogen free. Closed round has expandable diameter - (Min to Max), relaxed is Diam. Protects and secures cables, offering durable abrasion resistance in a wide range of industrial, domestic, automotive applications, etc. The open weave construction allows an easy installation on a bundle of hoses and cables, even if some have bulky or large end connectors.

Diam.	Min.	Max.	Code
6mm	3mm	9mm	FR-006BK
10mm	7mm	19mm	FR-010BK
12mm	8mm	24mm	FR-012BK
16mm	10mm	27mm	FR-016BK
19mm	14mm	30mm	FR-019BK
25mm	18mm	35mm	FR-025BK
32mm	20mm	50mm	FR-032BK
38mm	30mm	60mm	FR-038BK
45mm	35mm	75mm	FR-045BK
50mm	40mm	80mm	FR-050BK



### SELF CLOSING SLEEVING FINE-WEAVE WRAP

SCS Self-Closing Sleeving is a non-expandable Polyethylene material woven from monofilament weft and multifilament warp polyester yarns. It provides a lightweight, cost-effective and tough solution for the protection of cable assemblies from ingress and abrasion for a neat installation. Inherent flexibility allows it to bend, coil and conform to irregular shapes. Open side design allows it to be installed on to completed assemblies.

Diam.	Max.	Code
5mmØ	6mmØ	SCS-005
8mmØ	9mmØ	SCS-008
10mmØ	11mmØ	SCS-010
13mmØ	14mmØ	SCS-013
16mmØ	17mmØ	SCS-016
19mmØ	20mmØ	SCS-019
25mmØ	27mmØ	SCS-025
29mmØ	31mmØ	SCS-029
32mmØ	34mmØ	SCS-032
38mmØ	40mmØ	SCS-038
50mmØ	52mmØ	SCS-050



Available for sale by the metre, cut to length, or in a full reel.

### SELF-CLOSING BRAIDED WRAP

Rugged construction side-entry self-closing wrap offers innovative solutions for the protection of cable bundles that's also ideal in breakout areas. SCW provides easy removal when it is necessary for inspection or maintenance of cables and allows it to be installed after cable connection. Strong resilience force prevents the wire or cable from exposure, while providing excellent abrasion and hostile environment resistance.

Diam.	Max.	Code
3mmØ	4mmØ	SCW-003
6mmØ	7mmØ	SCW-006
9mmØ	10mmØ	SCW-009
13mmØ	14mmØ	SCW-013
16mmØ	17mmØ	SCW-016
19mmØ	20mmØ	SCW-019
25mmØ	26mmØ	SCW-025
32mmØ	33mmØ	SCW-032
38mmØ	40mmØ	SCW-038
50mmØ	52mmØ	SCW-050



Available for sale by the metre, cut to length, or in a full reel.





## HOOK-N-LOOP BRAIDED WRAP

### RUGGED CABLE SLEEVE WITH HOOK-N-LOOP SIDE ACCESS

VCW wrap is woven from expandable polyester braid for a heavy-duty, high strength cable protector with excellent flame & abrasion resistance. A hook and loop strip runs the full length of the sleeve so that it can be easily wrapped and closed over an existing cable bundle for a neat appearance. It can be re-open rapidly to allow adding or removing cables, and breakouts can be made simply by bringing cables out through the seam. Diameter listed is fully stretched (Max), nominal diameter is about 50%.

Material Polyester & Polyamide  
Operating Range -70°C to +150°C (Melt Point 240°C)  
Flammability VW-1  
Certified RoHS, Halogen Free

Nominal Size	Velcro Width	Max Bundle	Code
13mm	10mm	8mmØ	VCW-013
19mm	10mm	12mmØ	VCW-019
32mm	20mm	20mmØ	VCW-032
51mm	20mm	32mmØ	VCW-051
64mm	20mm	40mmØ	VCW-064

Available for sale by the metre, cut to length, or in a full reel.



CUT TO LENGTH



CABLES NOT INCLUDED

## HOOK-N-LOOP CLOTH WRAP

### CABLE SLEEVE WITH HOOK-N-LOOP SIDE ACCESS

PVTW wrap is woven from non-expandable polyester multifilament yarns for a lightweight, high strength material with excellent flame and abrasion resistance. A hook and loop strip runs the full length of the sleeve so that it can be easily wrapped and closed over an existing cable bundle. It can be re-opened rapidly to allow adding or removing cables, and breakouts can be made simply by bringing cables out through the seam.

Material Polyester & Nylon (Velcro)  
Operating Range -70°C to +150°C (Melt Point 240°C)  
Flammability VW-1  
Certified RoHS, Halogen Free

ID	Open Width	Code
20mmØ	80mm	PVTW-20
25mmØ	95mm	PVTW-25
30mmØ	115mm	PVTW-30
35mmØ	130mm	PVTW-35
40mmØ	146mm	PVTW-40
45mmØ	162mm	PVTW-45
50mmØ	178mm	PVTW-50

Available for sale by the metre, cut to length, or in a full reel.



CUT TO LENGTH



CABLES NOT INCLUDED

## HOOK-N-LOOP CARPET FIX

### HOLDS CABLES DOWN ONTO CARPET

DHS Double Hook Sleeve is a cable solution that consists of polyester multifilament material with dual hook (only) strip all-along its edges. It is designed for holding and protecting cable runs which are normally exposed in a carpeted area by affixing directly to the carpets loop pile. This product has excellent abrasion resistance and makes for a neat and tidy home or office solution. Available in two widths, edge to edge.

Material Polyester Multifilament  
Operating Range -50°C to +150°C (Melt Point 240°C)  
Flammability VW-1  
Certified RoHS

Width	Code
76mm	DHS-076
100mm	DHS-100

Available for sale by the metre, cut to length, or in a full reel.



CUT TO LENGTH

CABLES NOT INCLUDED







## □ Heat Shrink

### HEAT SHRINK TUBING MIL. SPEC.

#### 1.2 Metre Lengths. MIL-1-23053

Premium grade. Flame retardant. Long Life. Optimum performance. XLP series is cross-linked tubing that conforms to MIL-1-23053/3 class 3. It will withstand -45°C to 125°C for normal operating conditions & 200°C for short intervals. Black tubing also resists ultraviolet radiation. It can be easily shrunk with a 100°C+ heat gun, etc. See Section TOOLS & TEST EQUIPMENT. All tubing is flame retardant except clear, which is flammable & conforms to MIL-1-23053/5 class 2. Highly flexible. 2:1 shrink ratio. Ideal for insulation, colour coding & mechanical protection, etc. 600V rated. Only 5% longitudinal shrinkage. Premium quality series. Pre-cut to 1.2 metre lengths.

BEFORE DiamØ=Code(mm) - AFTER DiamØ=50% PRE-CUT 1.2M

Size	Black	Clear	Red	Blue	White
1.5mm	XLP1.5BK	XLP1.5CL	XLP1.5RD	XLP1.5BU	XLP1.5WH
2.5mm	XLP2.5BK	XLP2.5CL	XLP2.5RD	XLP2.5BU	XLP2.5WH
3.5mm	XLP3BK	XLP3CL	XLP3RD	XLP3BU	XLP3WH
5.0mm	XLP5BK	XLP5CL	XLP5RD	XLP5BU	XLP5WH
7.0mm	XLP7BK	XLP7CL	XLP7RD	XLP7BU	XLP7WH
10mm	XLP10BK	XLP10CL	XLP10RD	XLP10BU	XLP10WH
13mm	XLP13BK	XLP13CL	XLP13RD	XLP13BU	XLP13WH
20mm	XLP20BK	XLP20CL	XLP20RD	XLP20BU	XLP20WH
25mm	XLP25BK	XLP25CL	XLP25RD	XLP25BU	XLP25WH

Also available in Yellow/Green Striped Earth Identification colours  
See the XLP-YG Range on the opposite page...



### HEAT SHRINK TUBING

Flexible heat shrinkable tubing Flame retardant, good resistance to most fluids and solvents, etc. High dielectric and tensile strength. Excellent for electrical identification, insulation, strain relief, cable bonding. 600V 50% shrink ratio at 90 g 120°C. Sold in pre-cut lengths of 1.2 Metres. Assorted colours.

BEFORE DiamØ=Code(mm) - AFTER DiamØ=50% PRE-CUT 1.2M

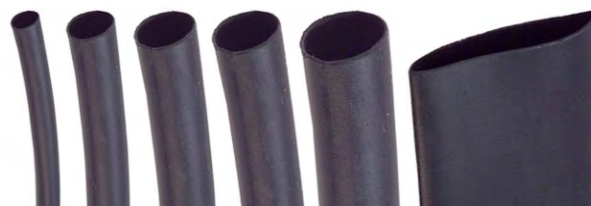
Size	Black	Yellow	Red	White	Green	Blue
1.0mm	CB102-1.0BK	CB102-1.0YL	CB102-1.0RD	CB102-1.0WH	CB102-1.0GN	CB102-1.0BU
2.0mm	CB102-2.0BK	CB102-2.0YL	CB102-2.0RD	CB102-2.0WH	CB102-2.0GN	CB102-2.0BU
2.5mm	CB102-2.5BK	CB102-2.5YL	CB102-2.5RD	CB102-2.5WH	CB102-2.5GN	CB102-2.5BU
3.0mm	CB102-3.0BK	CB102-3.0YL	CB102-3.0RD	CB102-3.0WH	CB102-3.0GN	CB102-3.0BU
4.5mm	CB102-4.5BK	CB102-4.5YL	CB102-4.5RD	CB102-4.5WH	CB102-4.5GN	CB102-4.5BU
5.0mm	CB102-5.0BK	CB102-5.0YL	CB102-5.0RD	CB102-5.0WH	CB102-5.0GN	CB102-5.0BU
6.5mm	CB102-6.5BK	CB102-6.5YL	CB102-6.5RD	CB102-6.5WH	CB102-6.5GN	CB102-6.5BU
7.0mm	CB102-7.0BK	CB102-7.0YL	CB102-7.0RD	CB102-7.0WH	CB102-7.0GN	CB102-7.0BU
10mm	CB102-10.0BK	CB102-10.0YL	CB102-10.0RD	CB102-10.0WH	CB102-10.0GN	CB102-10.0BU
13mm	CB102-13.0BK	CB102-13.0YL	CB102-13.0RD	CB102-13.0WH	CB102-13.0GN	CB102-13.0BU
20mm	CB102-20.0BK	CB102-20.0YL	CB102-20.0RD	CB102-20.0WH	CB102-20.0GN	CB102-20.0BU
25mm	CB102-25.0BK	CB102-25.0YL	CB102-25.0RD	CB102-25.0WH	CB102-25.0GN	CB102-25.0BU



### HEAT SHRINK TUBING - NORMAL WALL

MRSG heat shrinkable tube is a newly developed environmentally friendly flame retardant heat shrinkable tube, using modified polymers and cross-linked by electronic accelerator.

Code is per metre. Sold cut to length.  
Order 10 metres or more and receive a 10% discount.  
To order a full reel, please enquire.



Before	After	Black	Blue	Clear	Green	Red	White
1mmØ	0.7mmØ	MRSG-1.0BK	MRSG-1.0BU	MRSG-1.0CL	MRSG-1.0GN	MRSG-1.0RD	MRSG-1.0WH
2mmØ	1.0mmØ	MRSG-2.0BK	MRSG-2.0BU	MRSG-2.0CL	MRSG-2.0GN	MRSG-2.0RD	MRSG-2.0WH
3mmØ	1.5mmØ	MRSG-3.0BK	MRSG-3.0BU	MRSG-3.0CL	MRSG-3.0GN	MRSG-3.0RD	MRSG-3.0WH
4mmØ	2.0mmØ	MRSG-4.0BK	MRSG-4.0BU	MRSG-4.0CL	MRSG-4.0GN	MRSG-4.0RD	MRSG-4.0WH
5mmØ	2.5mmØ	MRSG-5.0BK	MRSG-5.0BU	MRSG-5.0CL	MRSG-5.0GN	MRSG-5.0RD	MRSG-5.0WH
6mmØ	3.0mmØ	MRSG-6.0BK	MRSG-6.0BU	MRSG-6.0CL	MRSG-6.0GN	MRSG-6.0RD	MRSG-6.0WH
7mmØ	3.5mmØ	MRSG-7.0BK	MRSG-7.0BU	MRSG-7.0CL	MRSG-7.0GN	MRSG-7.0RD	MRSG-7.0WH
8mmØ	4.0mmØ	MRSG-8.0BK	MRSG-8.0BU	MRSG-8.0CL	MRSG-8.0GN	MRSG-8.0RD	MRSG-8.0WH
9mmØ	4.5mmØ	MRSG-9.0BK	MRSG-9.0BU	MRSG-9.0CL	MRSG-9.0GN	MRSG-9.0RD	MRSG-9.0WH
10mmØ	5.0mmØ	MRSG-10.0BK	MRSG-10.0BU	MRSG-10.0CL	MRSG-10.0GN	MRSG-10.0RD	MRSG-10.0WH
12mmØ	6.0mmØ	MRSG-12.0BK	MRSG-12.0BU	MRSG-12.0CL	MRSG-12.0GN	MRSG-12.0RD	MRSG-12.0WH
14mmØ	7.0mmØ	MRSG-14.0BK	MRSG-14.0BU	MRSG-14.0CL	MRSG-14.0GN	MRSG-14.0RD	MRSG-14.0WH
16mmØ	8.0mmØ	MRSG-16.0BK	MRSG-16.0BU	MRSG-16.0CL	MRSG-16.0GN	MRSG-16.0RD	MRSG-16.0WH
20mmØ	10mmØ	MRSG-20.0BK	MRSG-20.0BU	MRSG-20.0CL	MRSG-20.0GN	MRSG-20.0RD	MRSG-20.0WH
25mmØ	12mmØ	MRSG-25.0BK	MRSG-25.0BU	MRSG-25.0CL	MRSG-25.0GN	MRSG-25.0RD	MRSG-25.0WH
30mmØ	15mmØ	MRSG-30.0BK	MRSG-30.0BU	MRSG-30.0CL	MRSG-30.0GN	MRSG-30.0RD	MRSG-30.0WH
40mmØ	20mmØ	MRSG-40.0BK	MRSG-40.0BU	MRSG-40.0CL	MRSG-40.0GN	MRSG-40.0RD	MRSG-40.0WH
50mmØ	25mmØ	MRSG-50.0BK	MRSG-50.0BU	MRSG-50.0CL	MRSG-50.0GN	MRSG-50.0RD	MRSG-50.0WH





## HEAT SHRINK TUBING - WITH ADHESIVE

A co-extrusion of irradiated crosslinking polyolefin with specially designed internal hot-melt adhesive. Excellent for back-end connector sealing, breakouts and connector to cable transition supports, etc. High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors. 600V Insulation rated. Supplied in pre-cut lengths of 1.2 metres. Matte black. 50% shrink ratio at 90 g 120°C.

BEFORE DiamØ = Code (mm)  
AFTER DiamØ = 50%

Pre-Cut to 1.2 Metre lengths:

Size	Code
1.5mm	DWT-1.5BK
2.0mm	DWT-2.0BK
2.5mm	DWT-2.5BK
3.0mm	DWT-3.0BK
4.5mm	DWT-4.5BK
5.0mm	DWT-5.0BK
6.5mm	DWT-6.5BK
7.0mm	DWT-7.0BK
10mm	DWT-10.0BK
13mm	DWT-13.0BK
20mm	DWT-20.0BK
25mm	DWT-25.0BK

ALL 1.2 Metre in BLACK



CABLES NOT INCLUDED

With  
ADHESIVE  
Inside

50%  
Shrink Rate

## DUAL WALL HEAT SHRINKABLE TUBE

MSBG dual wall heat-shrinkable tube is made of the high quality polymer layer with hot melt adhesive inner layer. When exposed to heat source, the inner layer begins to melt and flow. When it cools down, inner layer forms an adhesion layer between the tubing and the component or wire. This provides a water-tight seal and protection for the connectors or wire. Available in Black only. Available in any length required, cut to order. Code listed is per metre.

Available if full reels. Please enquire.

Before	After	Code
2.4mmØ	0.8mmØ	MSBG024
3.2mmØ	1.0mmØ	MSBG032
4.8mmØ	1.6mmØ	MSBG048
6.4mmØ	2.0mmØ	MSBG064
7.9mmØ	2.7mmØ	MSBG079
9.5mmØ	3.2mmØ	MSBG095

Code is per metre. Sold cut to length. Order 10 metres or more and receive a 10% discount. To order a full reel, please enquire.



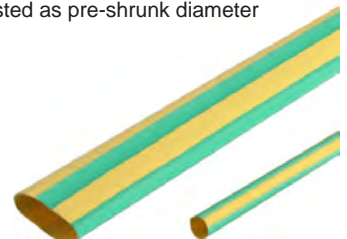
## EARTH IDENTIFICATION HEAT SHRINK

### BRIGHT GREEN/YELLOW STRIPED

Dual colour stripe tubing for Easy identification of common Earth wire cables to ground. -75°C to 135°C (200°C short term) Flame retardant XLP Mil. Spec. Listed as pre-shrunk diameter Shrinks to approx. half diameter.

Size	Code
3mm	XLP3YG
5mm	XLP5YG
7mm	XLP7YG
10mm	XLP10YG
13mm	XLP13YG
20mm	XLP20YG
25mm	XLP25YG

Sold in pre-cut lengths of 1.2 metres.



## HEAT SHRINK TUBING - GREEN & YELLOW

### AS USED TO IDENTIFY EARTH CONNECTIONS

MRSG heat shrinkable tube is a newly developed environmentally friendly flame retardant heat shrinkable tube, using modified polymers and cross-linked by electronic accelerator.



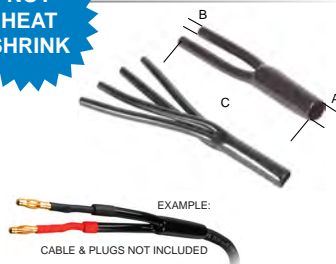
Code is per metre. Sold cut to length. Order 10 metres or more and receive a 10% discount. To order a full reel, please enquire.

Before	After	Code
1mmØ	0.7mmØ	MRSG-1.0YG
2mmØ	1.0mmØ	MRSG-2.0YG
3mmØ	1.5mmØ	MRSG-3.0YG
4mmØ	2.0mmØ	MRSG-4.0YG
5mmØ	2.5mmØ	MRSG-5.0YG
6mmØ	3.0mmØ	MRSG-6.0YG
7mmØ	3.5mmØ	MRSG-7.0YG
8mmØ	4.0mmØ	MRSG-8.0YG
9mmØ	4.5mmØ	MRSG-9.0YG
10mmØ	5.0mmØ	MRSG-10.0YG
12mmØ	6.0mmØ	MRSG-12.0YG
14mmØ	7.0mmØ	MRSG-14.0YG
16mmØ	8.0mmØ	MRSG-16.0YG
20mmØ	10mmØ	MRSG-20.0YG
25mmØ	12mmØ	MRSG-25.0YG
30mmØ	15mmØ	MRSG-30.0YG
40mmØ	20mmØ	MRSG-40.0YG
50mmØ	25mmØ	MRSG-50.0YG

## CABLE PANTS

These cable pants are ideal when building your own speaker cables. They keep the conductors separated when terminating and connecting to your components. These black pants will add a professional look and provides the finishing touch to your customized cables. Black colour. Sold in packs of 10.

NOT  
HEAT  
SHRINK



EXAMPLE:  
CABLE & PLUGS NOT INCLUDED

Out "A"	"B"	"C"	Code
2	6mm	3.5mm 98mm	SCP26
2	7mm	3.5mm 98mm	SCP27
2	8mm	3.5mm 108mm	SCP28
2	9mm	4.0mm 78mm	SCP29
2	10mm	4.0mm 98mm	SCP210
2	11mm	4.8mm 90mm	SCP211
2	14mm	4.8mm 98mm	SCP214
4	9.5mm	4.0mm 160mm	SCP49
4	11mm	4.0mm 145mm	SCP411





# Cables & Connectors

## HEAT SHRINK KIT

### SEVEN PIECE BAG

A selection of popular sizes  
1.2 Metre lengths x7 pieces:  
XLP Series mil. spec.

XLP1.5BK,  
XLP2.5BK,  
XLP3BK,  
XLP5BK,  
XLP7BK,  
XLP10BK,  
XLP13BK

Code  
HSK1BK



## HEAT SHRINK KIT - PROLINK 9 PIECE

Consist of 1.2 Metre long polyethylene heat shrink tubes with assorted diameters ranged from 1mmØ to 13mmØ. The diameter will reduce by up to 50% when heated to 125°C.

Includes:

1x 1.0mmØ (black)  
1x 2.0mmØ (black)  
1x 2.5mmØ (black)  
1x 3.0mmØ (black)  
1x 4.5mmØ (black)  
1x 6.5mmØ (black)  
1x 7.0mmØ (black)  
1x 10mmØ (black)  
1x 13mmØ (black)

Colour	Code
Black	HSK9



## HEAT SHRINK KIT - RED & BLACK 18 PIECE

Consist of 1.2 Metre long polyethylene heat shrink tubes with assorted diameters ranged from 1mmØ to 13mmØ. The diameter will reduce by up to 50% when heated to 125°C.

Includes:

1x 1mmØ (black), 1x 1mmØ (red)  
1x 2mmØ (black), 1x 2mmØ (red)  
1x 2.5mmØ (black), 1x 2.5mmØ (red)  
1x 3mmØ (black), 1x 3mmØ (red)  
1x 4.5mmØ (black), 1x 4.5mmØ (red)  
1x 6.5mmØ (black), 1x 6.5mmØ (red)  
1x 7mmØ (black), 1x 7mmØ (red)  
1x 10mmØ (black), 1x 10mmØ (red)  
1x 13mmØ (black), 1x 13mmØ (red)

Colour	Code
Black & Red	HSK18



## HEAT-SHRINK TAPE

### SHRINKS TO SEAL

Thin Irradiated Polyolefin tape.  
Shrinks and amalgamates  
forming a rigid seal  
on even complex items.  
Make Y shapes, etc.  
Simply wrap & heat  
Black. 20mm x 50 Metres

Code  
HST20



CABLES NOT INCLUDED

## HEAT SHRINK KIT

### 180 PIECE KIT 45mm

Colour coded heat shrink tubes from 2mm to 9mm diameter. 45mm of length in white, black, green, red, blue & yellow colour. Diameter will reduce by up to 50% when heated to 125°C.

Code  
HSK1800



## HEAT SHRINK KIT - DUAL WALL WITH ADHESIVE

### 47 PIECE KIT 95MM IN BLACK

Black polyethylene heat shrink tubes from 3.2mm to 19mm. It has a polymer layer on the outside and an inner adhesive layer which provides a water-tight seal and protection for the wires and connectors. Diameter. 95mm of length Shrinking ratio: 3:1, operating temperature range: -45 - 125°C

Type Code  
47 pcs HSK47BK



## HEAT SHRINK KIT - DUAL WALL ADHESIVE B&R

### 47 PIECE KIT 95MM IN BLACK & RED

Black and Red polyethylene heat shrink tubes from 3.2mm to 19mm. It has a polymer layer on the outside and an inner adhesive layer which provides a water-tight seal and protection for the wires and connectors. Diameter. 95mm of length Shrinking ratio: 3:1, operating temperature range: -45 - 125°C

Type Code  
47 pcs HSK47RB



## HEAT SHRINK KIT - MULTI-COLOUR

### 163 PIECE KIT 95MM

Colour coded heat shrink tubes from 1mm to 16mm diameter. 95mm of length in white, black, green, red, blue & yellow colour. Diameter will reduce by up to 50% when heated to 125°C.

Type Code  
163 pcs HSK163







## Tools

### MINI-BLOW TORCH

#### KEY-RING SIZED

"Magna Lite Blow Torch" Butane refillable Applications include Heatshrink tubing Fusing rope ends Unfreezing locks Piezo ignition Acute focusing Flame adjustable Weller branded

Code  
WML100



### BUTANE BLOW TORCH

#### USES A STANDARD LIGHTER

Trigger ignition hand torch uses a standard butane lighter or the included cartridge thats a refillable lighter using standard lighter butane fuel. 20 Min operation.

Description	Code
650°C Flameless Heat	MJ600
Replacement Cartridge	A7L2



### SECURITY CABLE & LOCK

#### LAPTOP HOOK

Combination lock to equipment tab

Description	Code
Combo Lock	NBL18



#### LOOP & LOCK

Combination lock to loop

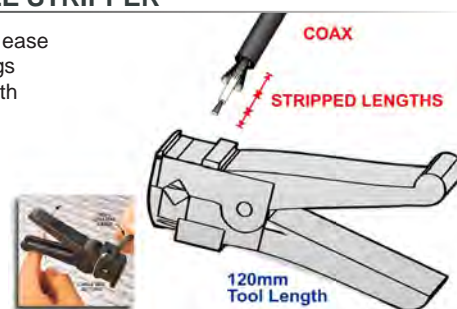
Description	Code
Combo Lock	NBL21



### COAXIAL CABLE STRIPPER

Strip coax cable with ease  
Suits most crimp plugs  
Adjustable blade depth

Suit	RG6 (5C2V), RG58 (3C2V), RG59 (4C2V)
Code	HT377



### UNIVERSAL CABLE STRIPPER

Patented device for stripping the covers off todays modern cable styles, eg. STP/UPT 4P/6P/8P Speaker, Coax, etc.

Code  
HTS501A



### COAXIAL CABLE STRIPPER HT332

Suits most crimp plugs Adjustable blade depth

Suit	RG6 (5C2V), RG58 (3C2V), RG59 (4C2V), RG174
Code	HT332



### COAXIAL CABLE STRIPPER

#### ADJUSTABLE COAXIAL CABLE STRIPPER

Multi-blade combination to get best result. Adjustable blades for different cable thickness. Stripping length adjustment option. Suitable for RG-58, RG-59 and RG-6 Cables.

Code  
HT-322



### STRAIN RELIEF BUSHING

CABLE CLAMPS Chassis mount

6.2Ø - 7.4Ø 10pcs

Code  
SRC510

7.4Ø - 8.2Ø 10pcs

Code  
SRC610

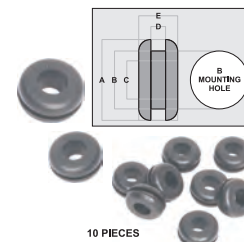


### RUBBER GROMMETS

CHASSIS MOUNT 10pcs

Please Order ONE to  
Receive a bag of 10.

A	B	C	D	E	Code
11	8.0	4.5	1.6	4.5	GM210
15	9.5	6.3	1.6	7.0	GM310
18	13	9.5	1.6	6.8	GM410







## Plugs

### XLR Neutrik

#### XLR FEMALE PLUG

FX Series. World XLR standard.  
Heavy duty die-cast shell  
Chuck type strain relief.  
Solder terminals.

Pins	Code
3	NC3FXX
4	NC4FXX
5	NC5FXX



#### XLR MALE PLUG

MX Series. World XLR standard.  
Heavy duty die-cast shell  
Chuck type strain relief.  
Solder terminals.

Pins	Code
3	NC3MXX
4	NC4MXX
5	NC5MX



#### XLR FEMALE PLUG - DELUXE

Same as the FX Series,  
but Black die-cast shell  
and Gold contacts.  
World XLR standard.  
Chuck type strain relief.  
Solder terminals.

Pins	Code
3	NC3FXX-B
4	NC4FXX-B
5	NC5FXX-B



#### XLR MALE PLUG - DELUXE

Same as the FX Series,  
but Black die-cast shell  
and Gold contacts.  
World XLR standard.  
Chuck type strain relief.  
Solder terminals.

Pins	Code
3	NC3MXX-B
4	NC4MXX-B
5	NC5MXX-B



#### XLR FEMALE PLUG - RIGHT ANGLE

Ideal solution for mobile  
equipment and rear cable  
protection from bumps, etc.  
Heavy duty die-cast shell  
Plug is 360° rotatable at  
assembly stage then locked.

Pins	Code
3	NC3FRX
4	NC4FRX
5	NC5FRX



#### XLR MALE PLUG - RIGHT ANGLE

Heavy duty construction.  
Plug is 360° rotatable at  
assembly stage then locked.  
Chuck type cable hold.  
Solder terminals.  
7.5mm cable entry.

Pins	Code
3	NC3MRX
4	NC4MRX
5	NC5MRX
7	NC7MRX



#### XLR UNISEX PLUG

##### BOTH MALE & FEMALE IN ONE PLUG

3 pole male and female cable  
connector in one housing  
Easy selectable gender -  
converted by sliding housing  
back and forth

Pins	Code
3	NC3FM-C



#### XLR FEMALE CHASSIS

Popular new flush or surface mount  
design. Die-cast. Solder terminals.  
Black version has gold contacts.

Pins	Colour	Code
3	Black	NC3FD-LX-B
3	Nickel	NC3FD-LX
4	Black	NC4FD-LX-B
4	Nickel	NC4FD-LX
5	Black	NC5FD-LX-B
5	Nickel	NC5FD-LX



26x31mm

#### XLR MALE CHASSIS

Die-cast heavy duty. Solid pins.  
Solder terminals. Flush/surface mount.  
Black version has gold contacts.

Pins	Colour	Code
3	Black	NC3MD-LX-B
3	Nickel	NC3MD-LX
4	Black	NC4MD-LX-B
4	Nickel	NC4MD-LX
5	Black	NC5MD-LX-B
5	Nickel	NC5MD-LX



26x31mm

#### XLR FEMALE CHASSIS P SERIES

Female receptacle, Nickel housing,  
silver contacts. Push-Lock.  
Large solder cups for ease wiring.

Pins	Colour	Code
3	Nickel	NC3FP-1
3	Black	NC3FP-B-1
4	Nickel	NC4FP-1
4	Black	NC4FP-B-1
5	Nickel	NC5FP-1
5	Black	NC5FP-B-1



27x37mm

#### XLR MALE CHASSIS P SERIES

Male receptacle, solder contacts,  
Nickel housing, silver contacts,  
Black housing gold contacts.

Pins	Colour	Code
3	Nickel	NC3MP
3	Black	NC3MP-B
4	Nickel	NC4MP
4	Black	NC4MP-B
5	Nickel	NC5MP

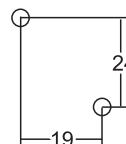


22x37mm

#### BLANKING PLATE

Dummy-plate to cover  
D-shape cutouts. Same size  
as the above receptacles.  
Black plastic. Suit Neutrik  
type and some Amphenol.

Code
NU-DBA-BL







## □ XLR Neutrik

### COLOURED ID TAGS - SUIT XX SERIES

Save time and effort connecting and tracing cables. Brightly coloured rings with write-on marker labels. Can be inserted after cable manufacturing.



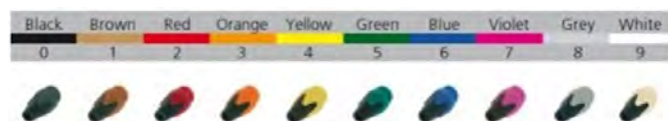
Collar	Code
Black	XXR0
Brown	XXR1
Red	XXR2
Orange	XXR3
Yellow	XXR4
Green	XXR5
Blue	XXR6
Violet	XXR7
Grey	XXR8
White	XXR9

### COLOURED BOOT - SUIT XX SERIES

Coloured coding boot to suit XX series plugs.



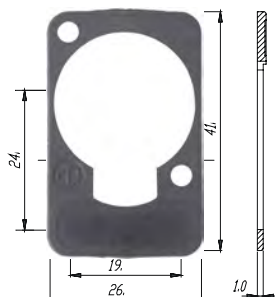
Colour	Code
Black	BXX-0
Brown	BXX-1
Red	BXX-2
Orange	BXX-3
Yellow	BXX-4
Green	BXX-5
Blue	BXX-6
Violet	BXX-7
Grey	BXX-8
White	BXX-9



### COLOURED ID PLATES

Coloured lettering plate for "D" shape chassis sockets.

Colour	Code
Black	DSS-0
Brown	DSS-1
Red	DSS-2
Orange	DSS-3
Yellow	DSS-4
Green	DSS-5
Blue	DSS-6
Violet	DSS-7
Grey	DSS-8
White	DSS-9

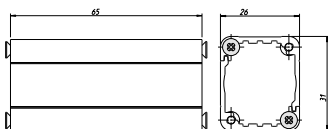


### NA HOUSING

#### MAKE AN ADAPTOR

Extrusion profile set including screws, black plated, for combination with all D Shape connectors.

Size	Code
26x31x65mm	NA-HOUSING



### BALUN LINE TRANSFORMERS

#### RCA TO XLR

Isolation and balancing adaptor. Suit long runs between CD and Mixing Desk, etc. Metal housing. 200Ω/200Ω

XLR	Code
Female	NA2F-D2B-TX
Male	NA2M-D2B-TX



### ETHERCON XLR PLUG

#### LATCH LOCKING

Requires a Cat5/6e type RJ45 pre-made ethernet lead assembly, Converts to a protected plug.

Colour	Code
Silver	NE8MC
Black	NE8MC-B

**ETHERNET LEADS TO SUIT**  
See DATA & COMPUTER Section for Leads with any standard CAT Plugs to suit NE8 shells



Actually Supplied Empty. Requires the RJ45 Cable

### ETHERCON XLR SOCKET

#### RJ45 SOCKET TO PUSH-DOWN

Accepts the NE8MC Plug above. Rear terminates to punch-down terminals for solid core Cat5.

Code
NE8FDV-YK



### ETHERCON XLR SOCKET

#### RJ45 SOCKET TO RJ45 SOCKET

Premium Metal construction Accepts the NE8MC Plug above. Rear terminates to RJ45 Socket

Colour	Code
Silver	NE8FDP
Black	NE8FDP-B



### ETHERCON XLR SOCKET PCB

Horizontal PCB mount RJ45 receptacle, A-Series cutout with latch lock.

Code
NE8FAH



### ETHERCON XLR PLUG - CAT6

#### PUSH-PULL LOCKING

Requires a Cat5/6e type RJ45 pre-made ethernet lead assembly, Converts to a protected plug. Compatible only with NE8FDY Series.

Code
NE8MC6-MO

**ETHERNET LEADS TO SUIT**  
See DATA & COMPUTER Section for Leads with any standard CAT Plugs to suit NE8 shells



### ETHERCON XLR SOCKET - CAT6

#### RJ45 TO IDC PUSH-DOWN

IP65 CAT6 D-shape panel Push-Pull locking. Fully shielded IDC termination.

Colour	Code
Nickel	NE8FDY-C6
Black	NE8FDY-C6-B

Compatible only with NE8MC6-MO.







## □ XLR Neutrik

### USB PANEL MOUNT

#### USB-A TO USB-B

Reversible for both A & B connection possibilities.  
Recessed for protection.

##### Colour Code

Silver	NAUSB
Black	NAUSB-W-B



### FIRE-WIRE PANEL MOUNT

#### FIREWIRE-6 IEEE1394

Audio/Visual gets digital!  
Standard XLR Metal Fitting.  
Recessed for protection.

##### Colour Code

Silver	NA1394-6-W
Black	NA1394-6-W-B



### HDMI PANEL MOUNT NEUTRIK

#### DIGITAL INTERCONNECT

Standard XLR Mounting  
Extremely robust diecast  
HDMI Feed-Through connect  
HDMI Socket to Socket Suit  
Digital Video/Audio

##### Colour Code

Nickel	NAHDMI-W
Black	NAHDMI-W-B



### RCA PANEL MOUNT NEUTRIK

#### GOLD PLATED RECESSED RCA

Chromium Bezel. Coloured insulator.

##### Collar Code

Black	NF2D0
Red	NF2D2
Yellow	NF2D4
White	NF2D9

#### BLACK BEZEL VERSION

##### Collar Code

White	NF2D-B9
Red	NF2D-B2



### BNC PANEL MOUNT NEUTRIK

#### BNC TO BNC THROUGH

##### Code

NBB75DFI

#### SOLDER BACK

##### Code

NBB75DSG



### 1/4" PANEL MOUNT NEUTRIK

#### LOCKING JACK

Professional  
Heavy Duty  
Stereo 6.35mm

##### Code

NJ3FP6C



### 3.5MM PLUG NEUTRIK

With black metal handle

##### Code

NYS231B



### 3.5mm PLUG NEUTRIK

#### Stereo 3.5mm

Professional Heavy Duty.  
Black or Nickel Barrel. All  
Metal. Rubber Boot.

##### Collar Code

Nickel	NTP3RC
Black	NTP3RCB



### 3.5MM JACK NEUTRIK

Metal handle. Max cable O.D. 4mm

##### Code

NYS240



### 1/4" PLUG NEUTRIK

Professional Heavy Duty  
Black Barrel. Nickel tip.  
6.35mm. All Metal with  
Rubber Boot

##### Type Code

Mono	NP2X
Stereo	NP3X



### 1/4" PLUG RIGHT ANGLE NEUTRIK

Professional Heavy Duty.  
Nickel barrel and tip.  
Right Angle  
Strain Relief  
6.35mm

##### Type Code

Mono	NP2RX
Stereo	NP3RX



### 1/4" IN-LINE SOCKET NEUTRIK

#### LOCKING JACK

Professional  
Heavy Duty  
All Metal  
Rubber Boot  
Stereo 6.35mm

##### Code

NJ3FC6

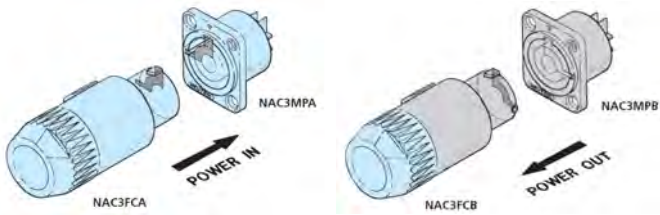






## □ XLR PowerCON

### POWERCON



#### POWERCON NEUTRIK POWER-OUT

##### MAINS PLUG 3 PIN FEMALE

Appliance power 250Vac 30A  
3 Contacts. Blue = Power In

Colour Code  
Blue NAC3FCA

##### AMPHENOL VERSION 240Vac 24A

Colour Code  
Blue HP-3-F



#### POWERCON NEUTRIK POWER-IN

##### MAINS INLET 3 PIN MALE

Appliance power 250Vac 30A  
3 Contacts. Blue = Power In

Colour Code  
Blue NAC3MPA-1



#### POWERCON NEUTRIK POWER-IN

##### MAINS PLUG 3 PIN FEMALE

Appliance power 250Vac 30A  
3 Contacts. Grey = Power Out

Colour Code  
Grey NAC3FCB

##### AMPHENOL VERSION 240Vac 25A

Colour Code  
Grey HP-3-FG



#### POWERCON NEUTRIK POWER-OUT

##### MAINS OUTLET 3 PIN MALE

Appliance power 250Vac 30A  
3 Contacts. Blue = Power Out

Colour Code  
Grey NAC3MPB-1



#### POWERCON NEUTRIK LINK

##### COUPLER FOR LINKING CABLES

Power-In to Power-Out  
250Vac 30A 3 Contacts.

Colour Code  
Blue-Grey NAC3MM-1



### POWERCON TRUE1



#### POWERCON TRUE1 NEUTRIK POWER-OUT

##### MAINS PLUG 3 PIN FEMALE

Rugged 16A 240Vac Locking

Code  
NAC3FX



#### POWERCON TRUE1 NEUTRIK POWER-IN

##### MAINS INLET 3 PIN MALE

Rugged 16A 240Vac Locking

Code  
NAC3MPX



#### POWERCON TRUE1 NEUTRIK POWER-IN

##### MAINS SOCKET 3 PIN MALE

Rugged 16A 240Vac Locking

Code  
NAC3MX



#### POWERCON TRUE1 NEUTRIK POWER-OUT

##### MAINS OUTLET 3 PIN FEMALE

Rugged 16A 240Vac Locking

Code  
NAC3FPX



#### POWERCON TRUE1 NEUTRIK POWER-I/O

##### MAINS IN-OUT COMBINATION

Rugged 16A 240Vac Locking

Code  
NAC3PX







# Cables & Connectors

## □ SpeakON® Neutrik

### SPEAKON® LOUDSPEAKER PLUG METAL

**4 POLE MALE**  
New metal version.  
Extremely reliable  
and robust with  
bayonet locking  
40A 4 terminals  
Nickel chromium  
Heavy duty.

**NEUTRIK**



Type	Code
4 pin	NLT4FX

### SPEAKON® LOUDSPEAKER COUPLER F-F

Extremely reliable  
Made from high  
impact plastic  
Heavy duty 30A  
Enables connecting  
and extending  
speaker leads.

Type	Code
2/4 pin	NL4MXX



### SPEAKON® LOUDSPEAKER PLUG

As above but a  
four pin version.  
Bayonet locking.  
Heavy duty 40A.  
This 4 pin plug  
will only suit 4 pin  
receptacles NOT  
2 PIN types!

Type	Code
4 pin	NL4FX



### SPEAKON® LOUDSPEAKER IN-LINE METAL

**4 POLE FEMALE**  
Heavy duty metal  
Extremely reliable  
and robust with  
bayonet locking  
40A 4 terminals  
Nickel chromium.  
Heavy duty.

Type	Code
4 pin	NLT4MX



### SPEAKON® LOUDSPEAKER PLUG

Extremely reliable  
and robust with  
bayonet locking  
Heavy duty 30A  
Becoming popular  
alternative to  
Banana & XLR. Suit  
NL-2MP & 4MP



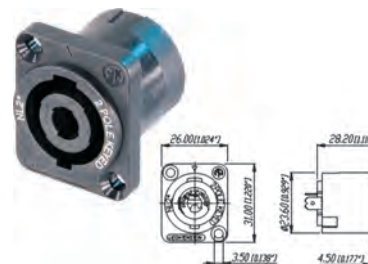
Type	Code
2 pin	NL2FC



### SPEAKON® LOUDSPEAKER CHASSIS JACK

Extremely reliable  
Fail safe. 30A.  
Chassis / panel  
mount jack.  
Standard cut-out.  
Robust solution  
speaker connect.

Type	Code
2 pin	NL2MP
4 pin	NL4MP



### SPEAKON® RIGHT ANGLE CASE

**SUITS NL2FC & NL4FC**  
Change the existing case  
for right angle use.

Code
LRX



### SPEAKON® LOUDSPEAKER JACK

Extremely reliable  
bayonet & locking.  
Robust. 30A. Large  
radius mounting jack  
for speaker bin speaker  
connect. Accepts NL2FC  
& NL4FC/FX, etc.

Type	Code
4 pin	NL4MPR



### SPEAKON® COLOUR ID BANDS

Coloured coding rings for  
right angle connector of  
the SPX Series.

Colour	Code
Red	LCR-2
Yellow	LCR-4
Green	LCR-5
Blue	LCR-6
White	LCR-9



### SPEAKON® SPEAKER JACK DUST CAP - NEUTRIK

Dust protection cover for most speakON  
and powerCON chassis connectors. It  
can be used, when no cable connector  
is mated. The cover is easy to use and  
does not block the connectors in the  
panel below when not in use.

• Suitable for speakON NL2M\* and NL4M\*

Code
SCL







## Speaker PA Amphenol

### SP LOUDSPEAKER AMPHENOL

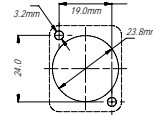
The SP Series are available in 2 or 4 pole chassis mount connectors. The durable thermoplastic housings are fitted with high power contacts to ensure optimal current carrying capacity. Completely intermateable with industry standard loudspeaker connections. 30A Contacts.



### SP LOUDSPEAKER CHASSIS SOCKET

D flange 26x31mm  
Solder tabs 4.8mm

Pins	Code
2	SP-2-MD
4	SP-4-MD



### SP LOUDSPEAKER POLY SLEEVE

Thermoplastic shell,  
Blue Sleeve 8-12mm  
cable entry.

Pins	Code
2	SP-2-F
4	SP-4-F



### SP LOUDSPEAKER NICKEL SLEEVE

Nickel / Black shell, Blue sleeve,  
8-12mm cable entry.

Colour	Pins	Code
Nickel	2	SP-2-FN
Nickel	4	SP-4-FN
Black	2	SP-2-FB
Black	4	SP-4-FB



### SP LOUDSPEAKER POLY GLAND

Thermoplastic shell, Blue sleeve,  
PG Gland with locking nut  
8-14mm cable entry.

Pins	Code
2	SP-2-FG
4	SP-4-FG



### SP LOUDSPEAKER NICKEL GLAND

Nickel / Black shell, Blue sleeve,  
PG Gland with locking nut  
8-14mm cable entry.

Colour	Pins	Code
Nickel	2	SP-2-FNG
Nickel	4	SP-4-FNG
Black	2	SP-2-FBG
Black	4	SP-4-FBG



### SP LOUDSPEAKER POLY STRAIN RELIEF

Thermoplastic shell, Blue sleeve,  
Heavy duty 14mm cable entry  
strain relief 100mm long.

Pins	Code
2	SP-2-FL
4	SP-4-FL



### SP LOUDSPEAKER NICKEL STRAIN RELIEF

Nickel / Black shell, Blue sleeve,  
Heavy duty 14mm cable entry  
strain relief 100mm long.

Colour	Pins	Code
Nickel	2	SP-2-FNL
Nickel	4	SP-4-FNL
Black	2	SP-2-FBL
Black	4	SP-4-FBL



## Speaker PA Aerpro

### AERPRO SPEAKON TYPE PLUG

PA Speaker Connector [Speakon® Copy]  
Screw in connectors for easy connection  
Four Terminal  
Lock in type  
Packed in Hang  
Sell Blister

Type	4 Pin
Code	NL4

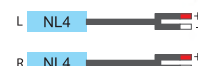


### AERPRO SPEAKON TYPE LEADS

#### PR BANANA PLUG-NL4 6M LEADS (x2)

4mm Banana Pair to PA Speaker (NL4)  
Sturdy Rubber covered black lead  
Supplied in a stereo pair (2x leads)  
Packed in sealed hang sell blister

Length	6M
Code	ALPASC6







# Cables & Connectors

## □ XLR Amphenol 1/4" & 3.5mm

### MUSICIAN RANGE 1/4"

Robust diecast shell  
Satin nickel or Black  
Silver contact plating  
Solder type contacts  
Flexible grommet entry



### BLACK STEREO 3.5MM

3.5mm Stereo plug, Diecast Shell,  
Black finish, Flexible grommet.

Type	Code
Stereo	KS3PB-AU



### T-SERIES JAWS 1/4"

"Jaws" Cable Clamp  
System Easy-Grip diecast  
shell Satin nickel or Black  
Silver or Gold plating  
Solder type contacts



### SATIN MONO 1/4" RIGHT ANGLE

Satin Nickel finish  
Silver contact plating  
Solder type contacts

Type	Code
Mono	ACPM-RN



### SATIN MONO 1/4"

Satin Nickel finish.  
Silver contact plating.  
Solder type contacts.

Type	Code
Mono	ACPM-GN



### SATIN MONO 1/4"

Satin Nickel finish  
Silver contact plating  
Solder type contacts

Type	Code
Mono	TM2PJ



### BLACK MONO 1/4" RIGHT ANGLE

Black Metal finish  
Silver contact plating  
Solder type contacts

Type	Code
Mono	ACPM-RB



### BLACK MONO 1/4"

Black Metal finish  
Silver contact plating  
Solder type contacts

Type	Code
Mono	ACPM-GB



### BLACK MONO 1/4"

Black Metal finish  
Silver contact plating  
Solder type contacts

Type	Code
Mono	TM2PBJ



### SATIN STEREO 1/4" RIGHT ANGLE

Satin Nickel finish  
Gold contact plating  
Solder type contacts

Type	Code
Stereo	ACPS-RN-AU



### SATIN STEREO 1/4"

Satin Nickel finish  
Silver contact plating  
Solder type contacts

Type	Code
Stereo	ACPS-GN



### SATIN STEREO 1/4"

Satin Nickel finish  
Silver contact plating  
Solder type contacts

Type	Code
Stereo	TS3PJ



### BLACK STEREO 1/4" RIGHT ANGLE

Black Metal finish  
Gold contact plating  
Solder type contacts

Type	Code
Stereo	ACPS-RB-AU



### BLACK STEREO 1/4"

Black Metal finish  
Silver contact plating  
Solder type contacts

Type	Code
Stereo	ACPS-GB



### BLACK STEREO 1/4"

Black Metal finish  
Silver contact plating  
Solder type contacts

Type	Code
Stereo	TS3PBJ





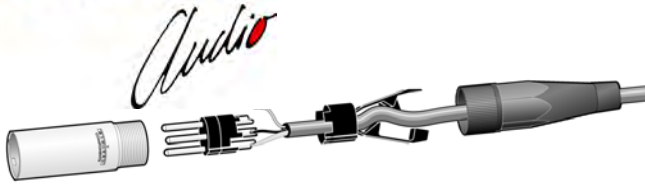


## □ XLR Amphenol

### AMPHENOL (AKA: ALCATEL / CANNON )

# Amphenol

"J" = "Jaw" Cable clamp  
 "MM" = Machined Pins  
 "B" = Black Barrel



### METAL BARREL AC3

Female Plug Solder

Cable	Code
6mm	AC3F
8mm	AC3FJ
IDC	AC3FI



### PLASTIC BARREL

Tough Black Thermoplastic  
 Female Plug Solder

Cable	Code
6mm	AC3FCP
8mm	AC3FCPJ



### METAL BARREL AC3

Male Plug Solder

Cable	Code
6mm	AC3M
8mm	AC3MJ
IDC	AC3MI



### PLASTIC BARREL

Tough Black Thermoplastic  
 Male Plug Solder

Cable	Code
6mm	AC3MCP
8mm	AC3MCPJ



### METAL BARREL SOLID PINS

Machined Pins (Solid) Solder

Cable	Code
6mm	AC3MM
8mm	AC3MMJ



### COLOUR BOOTS AC3

Colour	Code
Brown	AC-NUT-BRN
Red	AC-NUT-RED
Orange	AC-NUT-ORG
Yellow	AC-NUT-YEL
Green	AC-NUT-GRN
Blue	AC-NUT-BLU
Violet	AC-NUT-VIO
Grey	AC-NUT-GRY
White	AC-NUT-WHT



### METAL BARREL BLACK

Female All Black Solder

Cable	Code
6mm	AC3FB
8mm	AC3FBJ



### METAL BOOT AC3

Made tough for  
 Heavy Duty &  
 RF Applications

Code
AC-NUT-METAL



### METAL BARREL BLACK

Male All Black Solder  
 "M" Stamped Pins  
 "MM" Machined

Cable	Code
6mm	AC3MB
8mm	AC3MMBJ





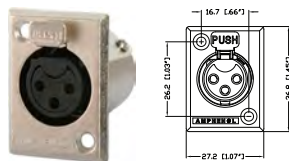


## □ XLR Amphenol

### METAL CHASSIS

XLR 3 pole female, Wide flange, Stamped contacts

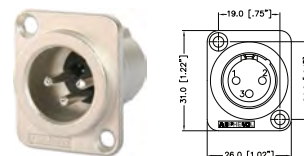
Code  
AC3FPZ



### METAL CHASSIS

XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish

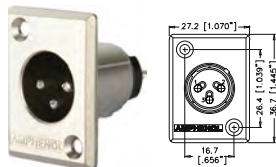
Code  
AC3MDZ  
Also Available in Multi-pin



### METAL CHASSIS

XLR 3 pole male, Wide flange, Stamped contacts

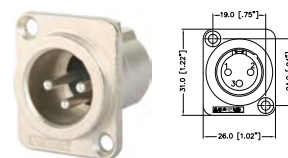
Code  
AC3MP



### METAL CHASSIS SOLID PIN

XLR 3 pole male, D flange, Machined contacts, Nickel Finish

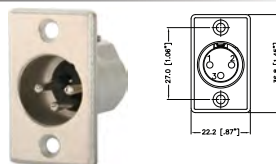
Code  
AC3MMDZ



### METAL CHASSIS NARROW

XLR 3 pole male, Narrow flange, Stamped contacts, Nickel Finish

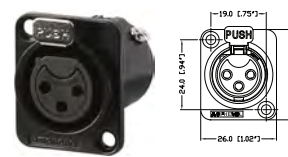
Code  
AC3MPNZ



### METAL CHASSIS BLACK

XLR 3 pole female, D flange, Stamped contacts, Black Finish

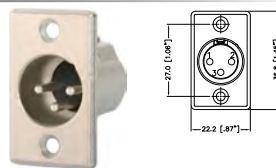
Code  
AC3FDZB



### METAL CHASSIS SOLID PIN

XLR 3 pole male, Narrow flange, Machined contacts, Nickel Finish

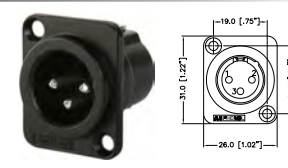
Code  
AC3MMPNZ



### METAL CHASSIS BLACK

XLR 3 pole male, D flange, Stamped contacts, Black Finish

Code  
AC3MDZB

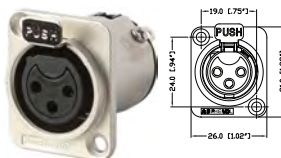


### METAL CHASSIS

XLR 3 pole female, D flange, Stamped contacts, Nickel Finish

Code  
AC3FDZ

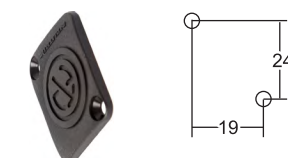
Also Available in Multi-pin



### BLANKING PLATE

Black plastic

Code  
NU-DBA-BL



### FEMALE TO FEMALE

Wired through pin 1-1, etc.

Code  
AC3F3FBW



### MALE TO FEMALE

Wired through pin 1-1, etc.

Code  
AC3F3MBW



### MALE TO MALE

Wired through pin 1-1, etc.

Code  
AC3M3MBW



### XLR D FLANGE HOUSING

#### AMPHENOL SHELL ADAPTOR

D shell adaptor to suit Amphenol XLR metal chassis. It allows users to customise the outlets. This product includes 4 screws for installation.

- This product is compatible with the following Amphenol connectors:
- AC3FDZB
- AC3MDZB
- AC5FDZB
- AC5MDZB
- SP-2-MD
- SP-4-MD
- AC-BNC-JS-75B

Code  
AC-D-ADAPTER







## □ XLR Amphenol

### AMPHENOL XLR MULTI-PIN METAL

**Amphenol**



### 4 PIN AMPHENOL

Description	Code
Metal Plug F	AC4F
Metal Plug M	AC4M
Metal Black F	AX4FB
Wide Flange F	AC4FPZ
Wide Flange M	AC4MP
Narrow Flange M	AC4MPNZ
Small Flange F	AC4FDZ
Small Flange M	AC4MDZ



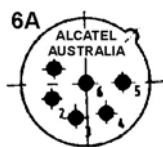
### 5 PIN AMPHENOL

Description	Code
Metal Plug F	AC5F
Metal Plug M	AC5M
Metal Black F	AX5FB
Wide Flange F	AC5FPZ
Wide Flange M	AC5MP
Narrow Flange M	AC5MPNZ
Small Flange F	AC5FDZ
Small Flange M	AC5MDZ



### 6 PIN AMPHENOL

Description	Code
Metal Plug F	AC6AF
Metal Plug M	AC6AMJ
Wide Flange F	AC6AFPZ
Wide Flange M	AC6AMP
Small Flange F	AC6AFDZ
Small Flange M	AC6AMDZ



### 7 PIN AMPHENOL

Description	Code
Metal Plug F	AC7F
Metal Plug M	AC7M
Wide Flange F	AC7FPZ
Wide Flange M	AC7MP
Small Flange F	AC7FDZ
Small Flange M	AC7MDZ



### MINI-XLR

5 PIN 8mmØ Mini-XLR

Type	Code
Plug	XLR501-5P
Socket	XLR502-5P

### 4 PIN

Type	Code
Plug	XLR501-4P
Socket	XLR502-4P

### 3 PIN

Type	Code
Plug	XLR501-3P
Socket	XLR502-3P



### HIGH POWER 4 PIN

9-16mm Cable Entry 12AWG  
50V 20A

Type	Code
Female	EP411P
Male	EP412



### HIGH POWER 4 PIN

30mmØ Mount  
50V 20A

Type	Code
Female	EP413P
Male	EP414



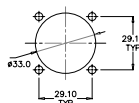
### HIGH POWER 5 PIN

Type	Code
Female	EP-5-11P
Male	EP-5-12



### HIGH POWER 5 PIN

Type	Code
Female	EP-5-13
Male	EP-5-14



### HIGH POWER 6 PIN

Type	Code
Female	EP-6-11P
Male	EP-6-12



### HIGH POWER 6 PIN

Type	Code
Female	EP-6-13
Male	EP-6-14



### HIGH POWER 8 PIN FEMALE

9-16mm 12AWG  
50V 15A

Code
EP811P



### HIGH POWER 8 PIN MALE

30mm Diameter Mount. 50V 15A

Code
EP814







## □ XLR Amphenol

### XLR / 6.35mm DUAL SOCKET

#### HORIZONTAL MOUNT

XLR 3 pole female receptacle with 1/4" jack.

Type	Code
Mono	ACJC5H
Stereo	ACJC6H



### XLR / 6.35mm DUAL SOCKET

#### VERTICAL MOUNT

XLR 3 pole female receptacle with 1/4" jack.

Type	Code
Mono	ACJC5V
Stereo	ACJC6V



### BNC BULK HEAD

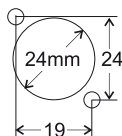
BNC TO BNC Satin Nickel finish  
Silver contact plating

Colour	Code
Silver	AC-BNC-JJ-75
Black	AC-BNC-JJ-75B



### RCA BULK HEAD

Colour	Code
Red	ACJD-RED
Black	ACJD-BLK
Yellow	ACJD-YEL
White	ACJD-WHT
Blue	ACJD-BLU
Green	ACJD-GRN



### 3 PIN XLR DESKTOP BASE

Screw or stands on table top. 100mm.  
Rubber insulated reducing knocking noises.  
3 Pin XLR socket for goose necks, etc.

Dia.	Code
~100mm	PA482

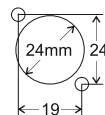


## □ XLR Misc

### XLR WALLPLATE - SINGLE

Stainless steel pre-punched wall plate  
suits XLR sockets.  
Size 71x115mm.  
Hole diameter 24mm.

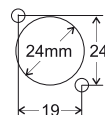
Code
XLRP1



### XLR PLATE - DOUBLE

Stainless steel pre-punched wall plate  
suits XLR sockets.  
Size 71x115mm.  
Hole diameter 24mm.

Code
XLRP2



### 3 PIN XLR STEEL WALLPLATE

Screw terminals.  
Stainless steel.  
3 Pin Female.

Code
PA0442



### DUAL XLR WALLPLATE

Screw terminals.  
Stainless steel.  
3 or 5 Pin Female.

Type	3 Pin	5 Pin
Code	PA0447	PA0457



### XLR PLASTIC WALLPLATE

Screw terminals.  
White plastic. Female. Available in  
3 Pin and 5 Pin wallplate

Type	5 Pin	3 Pin
Code	PA0456A	PA446







## □ XLR Adaptors Misc

### 6.35MM MONO PLUG TO XLR FEMALE

Jack Mono 6.3mm  
to XLR Female

Code  
DHMA290



### 6.35MM STEREO TO XLR FEMALE

Jack Stereo 6.3mm  
to XLR Female

Code  
DHMA295



### 6.35MM MONO PLUG TO XLR MALE

Jack Mono 6.3mm  
to XLR Male

Code  
DHMA300



### 6.35MM STEREO TO XLR MALE

Jack Stereo 6.3mm  
to XLR Male

Code  
DHMA305



### 6.35MM MONO SOCKET TO XLR MALE

Jack Mono 6.3mm Female  
to XLR Male

Code  
DHMA320



### 6.35MM STEREO SOCKET XLR MALE

Jack Stereo Female 6.3mm  
to XLR Male

Code  
DHMA615



### 6.35MM STEREO SOCKET TO XLR FEMALE

Jack Stereo Female 6.3mm  
to XLR Female

Code  
DHMA625



### XLR MALE TO RCA SOCKET

XLR Male to  
RCA Female

Code  
DHMA500



### 3 PIN XLR FEMALE TO RCA SOCKET

XLR Female to RCA Female

Code  
AD977

Daichi Brand.



### 1/4" STEREO TO XLR SOCKET

3-pole XLR male - stereo 1/4" plug  
(Tip, Ring, Sleeve contact)

Code  
NA3MP



### 6.35MM STEREO PLUG TO 3.5MM STEREO SOCKET

Jack Stereo Male 6.3mm to  
Jack Stereo Female 3.5mm

Code  
DHPA165



### 6.35MM STEREO PLUG TO 2X STEREO SOCKET

Jack Stereo Male 6.3mm to 2  
Jack Stereo Female 6.3mm

Code  
DHPA170



### RCA PLUG TO 6.35MM MONO SOCKET

RCA Male to Jack Mono Female 6.3mm

Code  
DHPA180



### 6.35MM MONO PLUG TO RCA SOCKET

Jack Mono Male 6.3mm  
to RCA Female

Code  
DHPA190







# Cables & Connectors

## □ RCA

### SUPPLIED IN BULK [SINGLES]

#### RCA AUDIO INTERCONNECTS

All plugs are supplied in BULK form.  
Unless indicated as Packaged or Pairs.  
Suffix stipulates colour code  
Some codes require a colour  
specification when ordered.  
eg. P351 in what colour?  
ie. P351YL is a Yellow boot



### RCA PLUGS - GOLD PLATED RCA LOCKING

Order One To Receive A Pack of Two

Cable	Stripe	Code
8-9mm	Red	P850
8-9mm	Black	P851



### RCA PLUGS - 6mm PLATINUM

6mm CABLE ENTRY

Stripe	Code
White	P870
Red	P871



### RCA PLUGS - 8mm PLATINUM

8mm CABLE ENTRY

Stripe	Code
White	P875
Red	P876



### RCA PLUGS - BLUE METAL

Cable	Insert	Code
7mm	Red	P860
7mm	Green	P861
7mm	Blue	P862



### RCA PLUGS - VIDEO & DIGITAL YELLOW

Grey with Orange 6 to 8.5mm Cable

Code
P865



### RCA PLUGS - 6mm ZINC ALLOY GREY GOLD

Stripe	Code
White	P880
Red	P881
Green	P882
Blue	P883
Yellow	P884



### RCA PLUGS - 7mm ZINC ALLOY GREY GOLD

Stripe	Code
White	P885
Red	P886
Green	P887
Blue	P888
Yellow	P889



### RCA PLUGS - 8mm ZINC ALLOY GREY GOLD

Stripe	Code
White	P890
Red	P891
Green	P892
Blue	P893
Yellow	P894



### RCA PLUGS - GOLD PLATED LARGE

Order One To Receive A Pack of Two

Cable	Stripe	QTY	Code
8-9mm	Red	2	P830
8-9mm	Black	2	P831



### RCA PLUGS - GOLD PLATED

Order One To Receive A Pack of Two

Cable	Stripe	QTY	Code
5-7mm	Red	2	P824
5-7mm	Black	2	P825
4-6mm	Red	2	P820
4-6mm	Black	2	P821



### RCA PLUGS - GOLD PLATED

Order One To Receive A Pack of Two

Cable	Stripe	QTY	Code
5-7mm	Red	2	P840
5-7mm	Black	2	P841
4-6mm	Red	2	P834
4-6mm	Black	2	P835







## □ RCA

### RCA PLUGS - GOLD PLATED

Gold plated. 6mm cable entry.  
Black & Red ID ring  
One may be removed if req.

Code
P343



### RCA PLUGS - GOLD PLATED

Colour ID Ring.  
6mm Strain relief.

Colour	Code
Red	P344
Black	P345
Green	P346
Blue	P347
Yellow	P349
White	P350



### RCA PLUGS - CHROMIUM & COLOUR BAND

R, B, OR, GN, YL, BU, WH  
RCA Plug metal. Add colour code.  
As above with colour band for ID

Colour	Code
Red	P342RD
Black	P342BK
Yellow	P342YL
Green	P342GN
Blue	P342BU
White	P342WH
Orange	P342OR



### RCA PLUGS - CHROMIUM

RCA plug metal All chrome  
with spring strain relief.

Code
P341



### RCA PLUGS - CRIMP

Suit	Code
RG59	P360
RG58	P361



### RCA PLUGS - PLASTIC

R, B, OR, GN, YL, BU, WH  
RCA plug strain relief P351 then colour code

Colour	Code
Black	P351BK
Red	P351RD
Green	P351GN
Yellow	P351YL
Orange	P351OR
Blue	P351BU
White	P351WH



### RCA PLUGS - CLASSIC

RCA Plastic Barrel

Colour	Code
Black	P311B
Red	P311R



### RCA PLUGS - SCREW BACK

Screw terminals

Code
AD-RCA1



### RCA PLUGS - AMPHENOL

**SATIN SHELL COLOUR BOOT**  
Premium grade Amphenol brand

Collar	Code
Red	ACPR-SRD
Black	ACPR-SBK
Yellow	ACPR-SYL
White	ACPR-SWH
Blue	ACPR-SBL
Green	ACPR-SGR



**Amphenol**

### RCA PLUGS - AMPHENOL

**COLOUR METAL SHELL**  
Premium grade Amphenol brand

Collar	Code
Red	ACPR-RED
Black	ACPR-BLK
Yellow	ACPR-YEL
White	ACPR-WHT
Blue	ACPR-BLU
Green	ACPR-GRN



**Amphenol**

### RCA PLUGS - COMPRESSION GOLD RG59

Gold Plated. Req Compression tool.

Collar	Code
Red	P370GLD
Green	P371GLD
Blue	P372GLD
White	P373GLD
Black	P374GLD
Yellow	P375GLD



### RCA PLUGS - COMPRESSION RG59

Requires Compression tool.

Collar	Code
Red	P370
Green	P371
Blue	P372
Black	P374
Yellow	P375



### RCA PLUGS - COMPRESSION RG6

Requires Compression tool.

Collar	Code
Red	P380
Green	P381
Blue	P382
White	P383
Black	P384
Yellow	P385



### RCA PLUGS - COMPRESSION DELUXE

**GOLD PLUG WITH GUN-METAL BARREL**  
High quality gold plated compression plug.  
Supplied with 6 colour rings for identification.

Cable	Code
RG59U	P386
RG6QUAD	P387







## RCA PLATE X2

RCA Fibreglass mounting board

Code  
J302



## RCA PLATE X4

RCA Fibreglass mounting board

Code  
J304



## RCA PCB MOUNT SOCKET GOLD

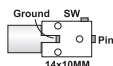
PCB Mount

Collar Code  
Red J387R  
Black J387B  
Yellow J387Y



## RCA PCB MOUNT SOCKET GOLD SWITCHED

Collar Code  
Red J381R  
Black J381B  
White J381W  
Orange J381O  
Yellow J381Y



## RCA PANEL SOCKET

Nickel 6mm panel Ø

Collar Code  
Red J310R  
Black J310B  
Blue J310BU  
Green J310GN



## RCA PANEL SOCKET INSULATED

Nickel 8mm panel Ø

Collar Code  
Red J370R  
Black J370B  
Blue J370BU  
Green J370GN



## RCA PANEL SOCKET GOLD PLATED

Order One To Receive A Pack of Two

Insert Code  
Red J920  
Black J921  
White J922  
Yellow J923  
Green J924  
Blue J925  
Orange J926



## RCA PANEL SOCKET GOLD PLATED INSULATED

Order One To Receive A Pack of Two

Insert Code  
Red J930  
Black J931  
White J932  
Yellow J933  
Green J934  
Blue J935  
Orange J936



## RCA PANEL SOCKET GOLD PLATED RECESSED

XLR FITTING Solder Back  
Insulator Identifier Neutrik Brand Product

Collar Code  
Black NF2D0  
Red NF2D2  
Yellow NF2D4  
White NF2D9



## RCA PANEL SOCKET GOLD PLATED RECESSED

XLR FITTING Solder Back Amphenol Brand Product

Colour Code  
Red ACJD-RED  
Black ACJD-BLK  
Yellow ACJD-YEL  
White ACJD-WHT  
Blue ACJD-BLU  
Green ACJD-GRN



## RCA INLINE SOCKET

RCA socket

Code  
S310B  
S310R



## RCA INLINE SOCKET

RCA socket strain relief

Code  
S350B



## RCA INLINE SOCKET METAL

RCA socket metal

Code  
S340B  
S340R  
S350R



## RCA INLINE SOCKET GOLD PLATED

Gold plated socket 6mm cable entry

Code  
S343



## RCA INLINE SOCKET GOLD PLATED PAIR

Order One To Receive A Pack of Two

Cable	Stripe	QTY	Code
5-7mm	Red	2	S840
5-7mm	Black	2	S841
4-6mm	Red	2	S834
4-6mm	Black	2	S835



## RCA INLINE SOCKET GOLD PLATED PAIR

Order One To Receive A Pack of Two

Cable	Stripe	QTY	Code
5-7mm	Red	2	S824
5-7mm	Black	2	S825
4-6mm	Red	2	S820
4-6mm	Black	2	S821



## RCA INLINE SOCKET GOLD PLATED PAIR LARGE

Order One To Receive A Pack of Two

Cable	Stripe	QTY	Code
8-9mm	Red	2	S830
8-9mm	Black	2	S831



## RCA INLINE SOCKET AMPHENOL

Amphenol

SATIN SHELL COLOUR BOOT  
Premium grade Amphenol brand

Collar Code  
Red ACJR-SRD  
Black ACJR-SBK  
Yellow ACJR-SYL  
White ACJR-SWH  
Blue ACJR-SBL  
Green ACJR-SGR



## RCA INLINE SOCKET AMPHENOL

Amphenol

COLOUR METAL SHELL  
Premium grade Amphenol brand

Collar Code  
Red ACJR-RED  
Black ACJR-BLK  
Yellow ACJR-YEL  
White ACJR-WHT  
Blue ACJR-BLU  
Green ACJR-GRN



## RCA INLINE SOCKET TO SCREW TERMINALS

Screw terminals

Code  
AD-RCA2







## □ Jack Plug

### 2.5mm MONO PLUG

2.5mm subminiature plug

Colour	Code
Red	P125R
Black	P125B



### 2.5mm STEREO PLUG

2.5mm stereo plug.

Code
P115



### 2.5mm QUAD PLUG

2.5mm QUAD plug. Four (4) Terminal

Code
P1254



### 2.5mm STEREO PLUG RIGHT-ANGLE

SOLDER TYPE

2.5mm 3 pole 6mm max cable entry

Code
P115RA



### 2.5mm QUAD PLUG RIGHT-ANGLE

SOLDER TYPE

Quad 2.5mm 4 pole 6mm max cable entry

Code
P1254RA



### 3.5mm MONO PLUG

3.5mm miniature plug

Colour	Code
Red	P110R
Black	P110B



### 3.5mm MONO PLUG

3.5mm miniature plug strain relief

Colour	Code
Red	P150R
Black	P150B



### 3.5mm MONO PLUG METAL

3.5mm metal plug

Code
P140



### 3.5mm MONO TO SCREW

Screw terminals for bare wire.

Code
AD-P25



### 3.5mm STEREO PLUG PLASTIC

3.5mm stereo plug

Code
P120



### 3.5mm STEREO PLUG GOLD PLATED

5mm cable diameter. TWO per blister pack.

QTY	Code
2	P122



### 3.5mm PLUG NEUTRIK

With black metal handle

Code
NYS231-B



### 3.5mm STEREO PLUG RIGHT-ANGLE

Stereo 3.5mm 3 pole 6mm max cable entry

Code
P120RA



### 3.5mm STEREO PLUGS RIGHT ANGLE NEUTRIK

Colour	Code
Black	NTP3RCB
Silver	NTP3RC



All Metal

### 3.5mm QUAD PLUG

3.5mm QUAD plug. Four (4) Terminal Plug

Code
P1354



### 3.5mm QUAD PLUG RIGHT-ANGLE

Quad 3.5mm 4 pole 6mm max cable entry

Code
P1354RA



### 2.5mm STEREO SOCKET

2.5mm stereo socket

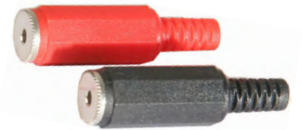
Code
S115



### 2.5mm MONO SOCKET

2.5mm submini' socket

Colour	Code
Red	S126R
Black	S126B



### 2.5mm QUAD SOCKET

Quad 2.5mm 4 pole 6mm max cable entry

Code
S1254



### 3.5mm MONO SOCKET

3.5mm in-line socket Mono

Colour	Code
Red	S110R
Black	S110B



### 3.5mm MONO SOCKET

Code
S140



### 3.5mm STEREO SOCKET

Code
S142



### 3.5mm STEREO SOCKET NEUTRIK

Metal handle. Max cable O.D. 4mm

Code
NYS240



### 3.5mm MONO SOCKET

3.5mm in-line socket strain relief Mono

Colour	Code
Red	S150R
Black	S150B



### 3.5mm STEREO SOCKET

3.5mm stereo in-line socket

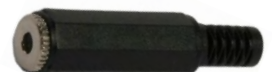
Code
S120



### 3.5mm QUAD SOCKET

Four pins, four pole.

Code
S1354



### PRE-MADE LEADS

Molded Plugs - Shielded Cable - Blank End

Description	Length	Code
2.5mm Mono Plug to 6.0M Lead	6M	RCC25
3.5mm Mono Plug to 6.0M Lead	6M	RCC35
2.5mm Quad Plug to 2.5M Lead	2.5M	VC1254
3.5mm Quad Plug to 2.5M Lead	2.5M	VC1354







# Cables & Connectors

## PANEL MOUNT SOCKET

Size	Type	Code
2.5mm	Mono (Switched)	J125
2.5mm	Stereo (Unswitched)	J126
3.5mm	Mono (Switched)	J110



## 3.5mm STEREO SOCKET PANEL MOUNT

Chassis Mount

Code
J124



## 3.5mm MONO SOCKET PANEL MOUNT SWITCHED

3.5mm Mono Switched  
Panel Mount

Code
J160



## 3.5mm STEREO SOCKET PCB MOUNT

Unswitched

Code
J123



## 3.5mm STEREO SOCKET PCB MOUNT SWITCHED

Switched

Code
J127



## 3.5mm STEREO SOCKET DPDT SWITCHED

3.5mm stereo

Code
J130



## 6.35mm PLUG

Plastic Barrel. Mono or stereo.

Type	Code
Mono	P215
Stereo	P220



## 6.35mm MONO PLUG STRAIN RELIEF

Plastic Mono

Collar	Code
Red	P250R
Black	P250B



## 6.35mm PLUG STRAIN RELIEF

Plastic Stereo

Collar	Code
Red	P225R
Black	P225B



## 6.35mm PLUG METAL

Spring strain relief

Type	Code
Mono	P245
Stereo	P224



## 6.35mm MONO PLUG GOLD PAIR

Buy one to receive a pair.  
All metal. Gold Plated.

Type	QTY	Code
MONO	2	P270



## 6.35mm STEREO PLUG GOLD PLATED PAIR

Buy one to receive a pair.  
All metal. Gold plated.

Type	QTY	Code
STEREO	2	P280



## 6.35mm HEAVY DUTY PLUG

Neutrik All Metal

Type	Code
Mono	NP2X
Stereo	NP3X



## 6.35mm RIGHT ANGLE PLUG

Type	Code
Mono	P243
Stereo	P244



## 6.35mm RIGHT ANGLE HEAVY DUTY

Neutrik Quality

Code
NP2RX



## 6.35mm T-SERIES METAL PLUGS

Colour	Type	Code
Nickel	Mono	TM2PJ
Nickel	Stereo	TS3PJ
Black	Mono	TM2PBJ
Black	Stereo	TS3PBJ



## 6.35mm MUSICIAN RANGE

Colour	Type	Code
Nickel	Mono	ACPM-GN
Nickel	Stereo	ACPS-GN
Black	Mono	ACPM-GB
Black	Stereo	ACPS-GB



## 6.35mm RIGHT-ANGLE

Colour	Type	Code
Nickel	Mono	ACPM-RN
Nickel	Stereo	ACPS-RN-AU
Black	Mono	ACPM-RB
Black	Stereo	ACPS-RB-AU



## 6.35mm TO SCREW

Screw terminals removable

Code
AD-P63



## 6.35mm PLASTIC IN-LINE

Type	Code
Mono	S210
Stereo	S220

Heavy Duty Plastic Barrel. Made in Japan.

Type	Code
Mono	S210ME



## 6.35mm METAL IN-LINE

Type	Code
Mono	S240
Stereo	S224



## 6.35mm PLASTIC IN-LINE RED/BLACK

Mono with Strain relief

Colour	Code
Red	S215R
Black	S215B



## 6.35mm PLASTIC IN-LINE STEREO

Stereo with strain relief

Colour	Code
Black	S225



## 6.35mm INLINE HEAVY DUTY

Neutrik Quality With Locking.

Code
NJ3FC6







## 6.35mm SOCKET FULL SWITCHED

DPDT switched.

Type	Code
Stereo	J227



## 6.35mm SOCKET PCB MOUNT

Stereo switched

Code
J228



## 6.35mm SOCKET UNSWITCHED

Type	Code
Mono	J213
Stereo	J222



## 6.35mm SOCKET 1/2 SWITCHED

Only tip is switched.

Type	Code
Mono	J215
Stereo	J223



## 6.35mm SWITCHCRAFT OPEN MONO SOCKET

1/4" female. Open circuit. Can be used as replacement in Fender®, external speaker/guitar output/effects pedals.

Type	Mounting	Code
Mono	Panel	SCJ11



## 6.35mm SWITCHCRAFT SHORTING MONO SOCKET

SHORTING TYPE

1/4" female. Shorting type. Fender® type replacement.

Type	Mounting	Code
Mono	Panel	SCJ12A



## 6.35mm SWITCHCRAFT OPEN STEREO SOCKET

STEREO DOUBLE OPEN CIRCUIT

1/4" female. Stereo double open circuit. Can be used for effect pedal input.

Type	Mounting	Code
Stereo	Panel	SCJ12B



## 6.35mm SOCKET HEAVY DUTY

Neutrik Quality With Locking

Code
NJ3FP6C



## XLR / 6.35mm DUAL SOCKET

XLR 3 pole female receptacle with 1/4" jack.

Type	Code
Mono	ACJC5H
Stereo	ACJC6H

HORIZONTAL MOUNT



## XLR / 6.35mm DUAL SOCKET

XLR 3 pole female receptacle with 1/4" jack.

Type	Code
Mono	ACJC5V
Stereo	ACJC6V

VERTICAL MOUNT



## 6.35mm MONO SOCKET PCB

Fender® PCB Mount jack. Mono 4 pins.

Type	Pins	Mounting	Code
Mono	4 Pin	PCB	BJ106



## 6.35mm STEREO SOCKET PCB

Fender® PCB Mount jack. Stereo 9 pins.

Type	Pins	Mounting	Code
Stereo	9 Pins	PCB	BJ107



## 6.35mm MONO SOCKET VINTAGE PCB

SWITCHED

Mono input jack, 4 PCB Mount terminals. Switched. Vintage Type with metal ferrule.

Type	Pins	Mounting	Code
Mono	4 Pins	PCB	BJ121



## 6.35mm STEREO SOCKET VINTAGE PCB

Switched

Stereo input jack, 6 PCB mount terminals. Switched. MXR replacement jack.

Type	Pins	Mounting	Code
Stereo	6 pins	PCB	BJ124



## 6.35mm MONO SOCKET VINTAGE SOLDER

SWITCHED

Mono input, 4 Solder terminals. Switched. Vintage Type with metal ferrule.

Type	Pins	Mounting	Code
Mono	4 Pins	Panel	BJ101



## 6.35mm MONO SOCKET - MARSHALL® TYPE

SWITCHED

Mono input jack, 4 Solder terminals.

Type	Pins	Mounting	Code
Mono	4 Pins	Panel	BJ102
Nut	Spare	BJ	BJ-NUT1



## 6.35mm MONO SOCKET MARSHALL® TYPE PCB

SWITCHED

Mono input jack, 4 PCB mount terminals.

Type	Pins	Mounting	Code
Mono	4 Pins	PCB	BJ103
Nut	Spare	BJ	BJ-NUT1



## 6.35mm STEREO SOCKET MARSHALL® TYPE PCB

SWITCHED

Stereo input jack, 6 pin PCB board connector.

Type	Pins	Mounting	Code
Stereo	6 Pins	PCB	BJ104
Nut	Spare	BJ	BJ-NUT1



## SPARE NUT SUIT BJ SERIES

Suit BJ102, BJ103, BJ104, BJ105

Code
BJ-NUT1







# Cables & Connectors

## Multi-Pin Misc

### VP80

RGB 8 pin square plug  
For Video connections

Code  
VP80



### VS141

BETA camera 14 pin

Code  
VS141



### 4 PIN METAL PLUGS

4 Pin CB Microphone Plugs. Solder type.  
See "Microphone Plugs" for more Pin types.

Type	Plug	Code
4 pin	Plug Straight	NC514-4
4 pin	Plug R/Angle	NC516-4
4 pin	Panel Socket	NC515-4
4 pin	Inline Socket	NC518-4

More Pin Configurations Available !  
See following pages...



## SCART

### SCART PLUG

21 pin Euro Plug  
Adjustable cable entry  
21 pin

Code  
P901



### SCART SOCKET

Chassis or PCB mount.  
21 pin SCART socket.

Code  
J902



## DC Multi-Pin

### DIN POWER 4 PIN PLUG

10mm Barrel Mini Din 30V-7A

Code  
DPP4



### DIN POWER 4 PIN INLINE SOCKET

7mm CABLE ENTRY

Code  
DPS4



### DIN POWER 4 PIN SOCKET

PCB MOUNT

Code  
DPJ4



## S-Video

### S-VIDEO PLUG IS DIFFERENT

With SVHS Plugs the Keyway is "Out".  
This is different to the standard MDP4  
where the Keyway is "In".  
The socket will accept both.

- Pin 1 = Luminance Ground
- Pin 2 = Chrominance Ground
- Pin 3 = Luminance Signal
- Pin 4 = Chrominance Signal



### S-VIDEO PLUGS

Differs from Mini Din Key way dips out.

Code  
MDP4SVHS



### S-VIDEO PLUGS GOLD PLATED

#### ZINC ALLOY GREY

Cable	Code
6mm	P846
8mm	P848



### S-VIDEO INLINE SOCKET

Accepts both SVHS Keyway "Out"  
and standard MDP4 Keyway "In".

Code  
MDS4SVHS



### S-VIDEO PANEL SOCKET

Accepts both SVHS Keyway "Out"  
and standard MDP4 Keyway "In".

Code  
MDJ4SVHS



## DIN

### DIN PLUG 2 PIN

Code  
DP2



### DIN PLUG 2 PIN

Screw terminal

Code  
DP2S



### DIN PLUG 2 PIN R/ANGLE

Solder type

Code  
DP2M



### DIN INLINE 2 PIN

Code  
DS2



### DIN SOCKET 2 PIN

Chassis socket

Code  
DJ2







## DIN

### DIN PLUGS



Description	Code
2 Pin Plug	DP2
2 Pin Screw Terminal	DP2S
2 Pin Plug Right Angle	DP2M
3 Pin Plug	DP3
4 Pin 220°	DP4
5 Pin 180°	DP5
5 Pin 360°	DP5A
5 Pin 240°	DP5B
5 Pin 180° metal	DP5M
6 Pin Plug	DP6
7 Pin Plug	DP7
8 Pin 270°	DP8
8 Pin 262° Plug	DP8A
13 Pin Plug	DP13

### MINI DIN PLUG



Description	Code
3 Pin Micro Plug	MDP3
4 Pin Micro Plug	MDP4
5 Pin Micro Plug	MDP5
6 Pin Micro Plug	MDP6
7 Pin Micro Plug	MDP7
8 Pin Micro Plug	MDP8
9 Pin Micro Plug	MDP9
10 Pin Micro Plug	MDP10
4 Pin SVHS Plug	MDP4SVHS
4 Pin Metal 6mm Cable	P846
4 Pin Metal 8mm Cable	P848

### DIN CHASSIS SOCKETS



Description	Code
2 Pin Chassis Socket	DJ2
3 Pin Socket	DJ3
4 Pin 220°	DJ4
5 Pin 180°	DJ5
5 Pin 240°	DJ5B
6 Pin Socket	DJ6
7 Pin Socket	DJ7
8 Pin 270°	DJ8

### MINI DIN CHASSIS SOCKETS



Description	Code
3 Pin Micro Socket	MDJ3
4 Pin Micro Socket	MDJ4
5 Pin Micro Socket	MDJ5
6 Pin Micro Socket	MDJ6
7 Pin Micro Socket	MDJ7
8 Pin Micro Socket	MDJ8
4 Pin SVHS Socket	MDJ4SVHS

### DIN INLINE SOCKETS



Description	Code
2 Pin Inline Socket	DS2
3 Pin Socket	DS3
4 Pin 220°	DS4
5 Pin 180°	DS5
6 Pin Socket	DS6
7 Pin Socket	DS7
8 Pin 270°	DS8
13 Pin Socket	DS13

### MINI DIN INLINE SOCKETS



Description	Code
3 Pin Micro Socket	MDS3
4 Pin Micro Socket	MDS4
5 Pin Micro Socket	MDS5
6 Pin Micro Socket	MDS6
7 Pin Micro Socket	MDS7
8 Pin Micro Socket	MDS8
9 Pin Micro Socket	MDS9
4 Pin SVHS Socket	MDS4SVHS

### DIN POWER

30Vdc 7A



Description	Code
4 Pin Plug Male	DPP4
4 Pin Inline Socket	DPS4
4 Pin PCB Jack	DPJ4

### MINI DIN GENDER CHANGERS



Description	Code
3 Pin F to F	CA170
4 Pin F to F	CA172
4 Pin F to F (S-VHS)	AD4SVHS
6 Pin F to F	CA173
8 Pin F to F	CA174





# Cables & Connectors

## □ DC Wiring Loom

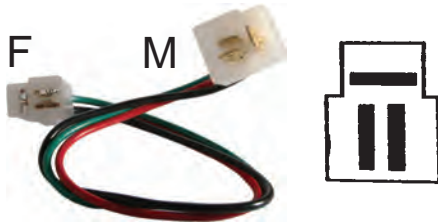
### 2 PIN HARNESS

Code  
WH18



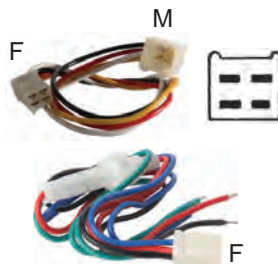
### 3 PIN HARNESS

Code  
WH20



### 4 PIN HARNESS

Code  
WH22



### PLUG ONLY

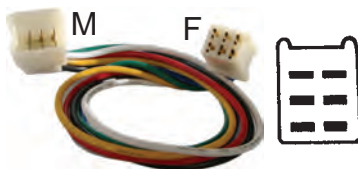
With Fuse Holder

Code  
WH16



### 6 PIN HARNESS

Code  
WH24



### “ISO” FEMALE X2 HARNESS

Female “ISO” Connector to Bare Wire ends with EIA Colour. X2 (Power & Speaker)

Code  
APP7200



### “ISO” MALE X2 HARNESS

Male “ISO” Connector to Bare Wire ends with EIA Colour. X2 (Power & Speaker)

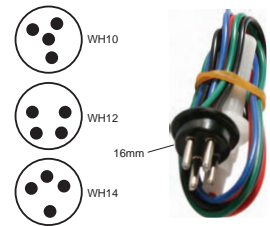
Code  
APP7201



### 4 PIN ROUND HARNESS

Older style 4 Pin plugs of assorted pin configurations.

Code  
WH10  
WH12  
WH14



### UNIVERSAL ROUND HARNESS

5 Pins and 30cm leads. Includes Fuse Holder. Assorted pin locations for different solutions. Suits old automotive and early electronics. Barrel is 16mmØ and pins 2.3mmØ

Code  
UWH1



### UNIDEN RADIO DC LEAD

#### 2 PIN POWER

Inline fuse 2A 2M x 18AWG lead Square/Round

Code  
DCL510

#### Arch/Round

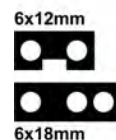
Code  
DCL505



### DC POWER LEADS

Suit CB radio, etc. Plug to Bare wire. Fused. Red/Black.

Type	Code
2 Pin	DCL2
3 Pin	DCL3



### CONSTAR 6 PIN BULLET CONNECTOR

#### PLUG & SOCKET

40cm lead. Male to Female. 4.5mm bullets. IP55 type.

Code  
QD6P



### CONSTAR 4 PIN BULLET CONNECTOR

#### PLUG & SOCKET

40cm lead. Male to Female. 4.5mm bullets. IP55 type.

Code  
QD4P



### HEAVY-DUTY 2 PIN BULLET CONNECTOR

#### PLUG & SOCKET

40cm lead. Male to Female. 4.5mm bullets. IP55 type.

Code  
QD2P







## BATTERY FIGHTER CHARGER LEADS

Constar Quick Disconnect Plug to Socket Extensions.

Length	Code
30cm	QD2P
3M	BFL7



## 4.8mm SPADE

45cm Battery terminal

Code
BFL5



## 6.35mm SPADE

45cm Battery terminal

Code
BFL6



## LEAD & ALLIGATOR CLIP

540mm long UL SPT-2, 18AWG lead, with the alligator clips on one end and the Constar quick disconnect plug on the other end.

Code
BFL1



## ACCESSORIES PLUG

45cm Car accessories plug

Code
BFL4



## ACCESSORIES SOCKET

45cm Car accessories socket

Code
BFL8



## RING TERMINALS

50cm M5 Screw connect

Code
BFL2



## CONSTAR 2 PIN MONITOR METER

### INLINE VOLTAGE

Plugs inline with the "Constar" charger lead Measures voltage 5-40Vdc LCD 4 Digit Display Monitors charge voltage or battery voltage.

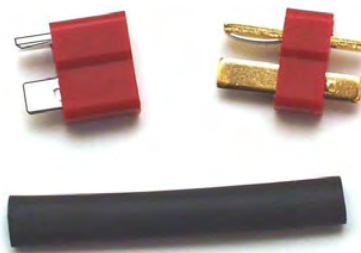
Code
BFL9



## DEANS 1300 ULTRA CONNECT KIT

Gold Plated upgrade terminals as used by RC champions for quicker and more reliable RC battery connections. Original Deans USA made. Inc. Plug, Socket, Heatshrink.

Code
P1300



## DEANS 1300 ULTRA SOCKETS

Set of four sockets for upgrading your battery leads. Gives quicker and more reliable RC battery power connections. Original Deans USA made. Compatible with the P1300 kit.

Code
S1300



## TAMIYA® PLUGS (SQUARE)

Heavy duty quality. High current lead.

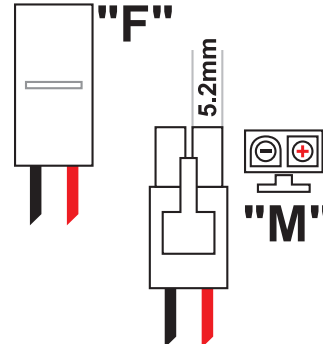


### BATTERY PLUG 20cm FEMALE

Code
WH3TF

### CHARGER PLUG 10cm MALE

Code
WH3TM



## FUTABA® "J" CONNECTOR

High Grade, Long Life. 3 pins Futaba (polarised).

### MALE TO FEMALE 30cm

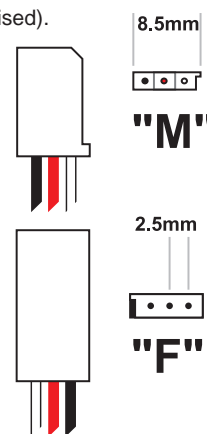
Code
WH3FE

### MALE 30cm

Code
WH3FM

### FEMALE 30cm

Code
WH3FF



## JR® CONNECTORS

High Grade. Long Life. 3 pin polarised.

### MALE TO FEMALE 30cm

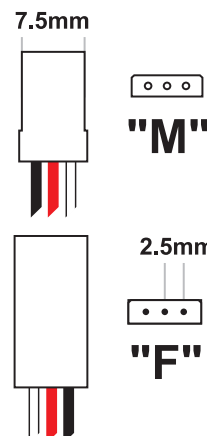
Code
WH3JRE

### MALE 30cm

Code
WH3JRM

### FEMALE 30cm

Code
WH3JRF







# Cables & Connectors

## □ DC Plugs

### MERIT TYPE AUTOMOTIVE PLUG

#### 12V 16A EURO CAR PLUG

DIN 4165 - Hella Plug 12Vdc 16A max. Popular European car plug. Becoming a new standard in automotive accessories. Smaller in size and a more reliable. "Merit" constructs plugs for BMW and other European cars. Premium build plug made of Brass fittings. High temp plastics.

Code  
MER101



12mm O/D & 5mm Pin

### MERIT TYPE AUTOMOTIVE IN-LINE SOCKET

#### 12V IN-LINE SOCKET

DIN 4165 - Hella Plug Power: 12Vdc 16A max. European car plug becoming a new standard in automotive accessories. Premium build plug made of Brass fittings & contacts. High temperature plastics. Dust cap ingress protection. Attractive Euro styling too. Accepts cable up to 7mmØ 12mm I/D & 5mm Pin

Code  
MER110



### MERIT TYPE AUTOMOTIVE PANEL MOUNT SOCKET

#### 12V ACCESSORIES

DIN 4165 - Hella Plug Power: 12Vdc 16A max. Popular European car plug. Premium build panel socket. High temp for high power. Removable Spring hold Dust cap ingress protection. 6.35mm spade connectors. Attractive Euro styling. 12mm I/D & 5mm Pin.

Code  
MER112



### MERIT TYPE AUTOMOTIVE UNIVERSAL ADAPTOR

#### 12V ACCESSORIES DUAL

Suits both European and Standard Australian type accessories connections. Removable shunt so as to also fit the Hella Plug. Screw terminals. Fuse GBC.

Fuse	Code
8A	MER102
16A	MER103



### MERIT AUTOMOTIVE ADAPTOR

#### ACCESSORIES PLUG

Adapts new to old. Hella Plug DIN4165 12Vdc 16A max. 15cm Accessories socket

Code  
MER201



### CAR ACCESSORIES SPLITTERS

#### PLUG TO MULTIPLE SOCKETS

12Vdc Power Splitters. See Automotive Section for details...

Type	Code
Double	DCL30
Triple	DCP330



### CAR ACCESSORIES EXTENSION

Description	Code
Extension Curly	CA600
To DC Plugs	MW-CP1



### CAR ACCESSORIES PLUG

High Temp Bakelite

Code  
P801



### CAR ACCESSORIES PLUG FUSED

Code  
P810



### CAR ACCESSORIES PLUG LEAD 8A

#### 5M HEAVY-DUTY

Car Accessories Plug 5M Long lead 3.5mm X2 cable Bare end wires Fused 8 Amp

Code  
DCL50



### CAR ACCESSORIES PLUG LEAD 5A

#### 2M HEAVY-DUTY

Car Accessories Plug 2M Long lead 3.5mm X2 cable Bare end wires Fused 5 Amp

Plug	Code
Bare Wire	DCL18
2.1mm DC	DCL21
2.5mm DC	DCL25



### CAR ACCESSORIES SOCKET

Lighter high current grade

Code  
J800



### CAR ACCESSORIES INLINE SOCKET

In-line socket

Code  
J802



### CAR ACCESSORIES TWIN SOCKET

#### UNDER DASH MOUNT

Two 12V Accessories High temperature sockets (But not for lighters) Bare wire connection Inline 20A fuse 3AG

Code  
DPV63



### ACCESSORIES SOCKET REPLACEMENT USB 2.1A

This is a replacement Accessories adaptor socket that provides 5v USB charge at 2.1A. Illuminated bezel.

Code  
APUSBE



### ACCESSORIES SOCKET REPLACEMENT USB-USB

This is a replacement Accessories socket that connects to USB head unit input socket - Not Illuminated

Code  
APUSBD2



### ACCESSORIES SOCKET REPLACEMENT USB+3.5mm

This is a replacement Accessories socket that provides 5v USB charge. 3.5mm stereo socket to RCA. Illuminated bezel.

Code  
APUSB35E







## □ Alligator

### ALLIGATOR PROBE ADAPTOR 4MM

4MM TEST PROBE ADD-ON Suit multi-meters

Colour	Code
Red	P714R
Black	P714B



### ALLIGATOR PROBE ADAPTOR 2MM

Attach on to probe point ends.

Colour	Code
Red	AC12R
Black	AC12B



### ALLIGATOR CLIP 26MM

Colour	Code
Red	P726R
Black	P726B



### ALLIGATOR CLIP 32MM

Colour	Code
Red	P732R
Black	P732B



### ALLIGATOR CLIP 34MM

Alligator clip 34mm

Colour	Code
Red	P734R
Black	P734B



### ALLIGATOR CLIP 10A

Jaw 8mm, Width 8mm.

Colour	Code
Red	LGC006R
Black	LGC006B



### ALLIGATOR CLIP 20A

Jaw 10mm, Width 10mm.

Colour	Code
Red	LGC007R
Black	LGC007B



### ALLIGATOR CLIP 15A

Jaw 20mm  
Width 10mm

Colour	Code
Red	LGC015R
Black	LGC015B



### ALLIGATOR CLIP 30A

Jaw 20mm  
Width 12mm

Colour	Code
Red	LGC016R
Black	LGC016B



### ALLIGATOR CLIP 50A

28mm Jaw, 16mm Wide.

Colour	Code
Red	LGC017R
Black	LGC017B



### ALLIGATOR CLIP 200A

Heavy Duty type Full hand grip

Jaw 25mm  
Width 23mm

Colour	Code
Red	LGC022R
Black	LGC022B



### ALLIGATOR CLIP 600A

Super Heavy Duty Full hand grip

Jaw 35mm  
Width 20mm

Colour	Code
Red	LGC023R
Black	LGC023B



### STAINLESS STEEL ALLIGATOR CLIP

Jaws and spring are stainless steel T304-BA giving protection from erosion and rust for a long term reliable contact. 6.35mm spade. 80mm long plastic 18mm wide jaw grasp.

Colour	Code
Red	LGC020R
Black	LGC020B
Green	LGC020G



### ALLIGATOR CLIP TO DC 2.5MM

Stainless steel 80mm Alligator Clip Pair to DC 2.5mm Plug. 1.2M Lead. 2A Max.

Code
LGC020RB-DC



## □ Spade & Ring Gold Plated

### SPADE CONNECTORS 4MM

Spade	Boot	Code
4mm	Red	TS300
4mm	Black	TS301



### SPADE CONNECTORS 6.3MM

Spade	Boot	Code
6.3mm	Red	TS310
6.3mm	Black	TS311



### SCREW CONNECTORS 4MM

Cable	Boot	Code
8AWG	Red	TS200
8AWG	Black	TS201

### SCREW CONNECTORS 4MM

Cable	Boot	Code
6AWG	Red	TS500
6AWG	Black	TS501



### SCREW RIGHT ANGLE 4MM

Cable	Boot	Code
9AWG	Red	TS250
9AWG	Black	TS251

### SCREW RIGHT ANGLE 4MM

Cable	Boot	Code
6AWG	Red	TS550
6AWG	Black	TS551



### RING TERMINALS 4MM

Cable	Boot	Code
6AWG	Red	TR85
6AWG	Black	TR86

### RING TERMINALS 8MM

Cable	Boot	Code
6AWG	Red	TR80
6AWG	Black	TR81



### RING TERMINALS 8MM

Cable	Boot	Code
4AWG	Red	TR40
4AWG	Black	TR41



### LARGE RING TERMINALS 8MM

Cable	Code
00 AWG	PRT500
02 AWG	PRT502
04 AWG	PRT504
08 AWG	PRT508







# Cables & Connectors

## □ Banana 4mm

### BANANA PLUG GOLD PLATED

Banana plug 4mm Screw terminating

Colour	Code
Red	P756
Black	P758



### BANANA PLUG NICKEL PLATED

Banana plug 4mm Screw terminating

Colour	Code
Red	P754R
Black	P754B



### BANANA PLUG NICKEL PLATED

Banana plug 4mm Nickel plated

Colour	Code
Red	P704R
Black	P704B



### BANANA PLUGS GOLD PLATED

#### GOLD PLATED

4mm system Multi-Lam tip Spring cage plug Screw terminal Wire 1.5mm I/D Stackable plugs Colour rubber boot Strain relief accepts 3mm cable Gold plated metal.

Colour	Code
Red	P752RD
Black	P752BK
Green	P752GN
Blue	P752BU
Yellow	P752YL
White	P752WH



### BANANA PLUG GOLD PLATED 8AWG

Order One To Receive A Pack of Two 4mm cable entry.

Cable	Colour	QTY	Code
8awg	Red	2	P760
8awg	Black	2	P761



### BANANA PLUG GOLD PLATED 6AWG

Order One To Receive A Pack of Two 5mm cable entry.

Cable	Colour	QTY	Code
6awg	Red	2	P765
6awg	Black	2	P766



### BANANA PLUG PLATED 4AWG

Order One To Receive A Pack of Two 6mm cable entry.

Cable	Colour	QTY	Code
4awg	Red	2	P769
4awg	Black	2	P768



### BANANA SOCKETS PANEL MOUNT 4MM

Banana socket 4mm

Colour	Code
Red	J724R
Black	J724B
Blue	J724BU
White	J724WH
Yellow	J724YL
Green	J724GN



### BANANA SOCKET/BINDING POST 4MM

Banana socket/binding post 4mm

Colour	Code
Red	J714R
Black	J714B



### BANANA SOCKET/BINDING POST LARGE

Banana socket/binding post 4mm large

Colour	Code
Red	J715R
Black	J715B



### BANANA SOCKET/BINDING POST DUAL

Dual binding posts, accepts 4mm banana plugs.

Code
J720



### BANANA SOCKET/BINDING POST GOLD PLATED

Will accept either a 4mm plug and/ or up to 5mm wire diameter at R/A. 20mm max panel thickness.

Order One To Receive A Pack of Two.

Colour	QTY	Code
Red	2	P780
Black	2	P781



### BANANA SOCKET/BINDING POST GOLD PLATED

Up to 7.5mm wire diameter. M2.5 threaded connection post Order One To Receive A Pack of Two

Colour	QTY	Code
Red	2	P770
Black	2	P771



### BANANA SOCKET/BINDING POST TERMINATOR

RA post for terminating Up to 4mm wire diameters. Order One To Receive A Pack of Two

Colour	QTY	Code
Red	2	P775
Black	2	P776







## □ Speaker

### BANANA SOCKET/BINDING POST SATIN NICKEL

#### PREMIUM DAYTON RED + BLACK

QTY	Code
2	BPP-SN

Dayton audio high-quality 5-way binding posts offer audiophile features at a reasonable price. A free-spinning metal ferrule on the tightening knob allows a secure connection without any tendency to work loose.



### BANANA SOCKET/BINDING POST NICKEL

#### PREMIUM DAYTON RED + BLACK

QTY	Code
2	BPP-NI



COMPATIBLE  
WITH SBPP &  
DBPP PLATES



### BANANA SOCKET/BINDING POST GOLD PLATED

#### PREMIUM DAYTON RED + BLACK

QTY	Code
2	BPP-G



### BANANA SOCKET/BINDING POST SATIN NICKEL

#### DAYTON RED + BLACK

QTY	Code
2	BPA-38SN

The high-quality plating process eliminates the possibility of corrosion to maintain the highest possible signal transfer and be professional and attractive.



### BANANA SOCKET/BINDING POST NICKEL

#### DAYTON RED + BLACK

QTY	Code
2	BPA-38NI

The binding posts can be used with banana plugs from the back or side. Will also accept bare wire up to 8 gauge with large diameter knurled heads to allow positive finger-tight connections.



### BANANA SOCKET/BINDING POST GOLD PLATED

#### DAYTON RED + BLACK

QTY	Code
2	BPA-38G

The rear bolt facilitates mounting in speaker cabinets with walls up to 25.4mm thick (9.5mm minimum thickness). Overall length is 57.2mm. Sold packaged in pairs, one Red and one Black.



### SPEAKER TERMINAL PLATE 4" SILVER

High-performance terminal cup solution from Dayton Audio. Made from 3mm brushed aluminium. Requires Dayton Binding Posts BPP Series. 2x 12mmØ with keyway. 100mm²



#### BRUSHED ALUMINIUM 3MM

Code
SBPP-SI

#### BLACK ANODISED ALUMINIUM 3MM

Code
SBPP-BK

### SPEAKER TERMINAL PLATE 4x5½" SILVER

High-performance terminal cup solution from Dayton Audio. Made from 3mm brushed aluminium. Requires Dayton Binding Posts BPP Series. 4x 12mmØ with keyway. 100x140mm



#### BRUSHED ALUMINIUM 3MM

Code
DBPP-SI

#### BLACK ANODISED ALUMINIUM 3MM

Code
DBPP-BK

### SPEAKER PANEL ROUND

EASY MOUNT 76mm Hole 2x 4mm Red/Black

Code
J705



### SPEAKER PANEL SQUARE

Supplied Packaged 2 x 4mm Red/Black

Code
J706

No Packaging BULK

Code
J707



### SPEAKER PANEL BI-TERMINAL

Screw binding posts  
4 x 4mm Red/Black.

Code
J708

Includes removable straps



### SPEAKER TERMINAL DUAL

2 x Push release  
speaker terminals

Code
J702



### SPEAKER TERMINAL QUAD

4 x Push release speaker terminals

Code
J704







# Cables & Connectors

## □ DC Plugs

### 1.0mm P411

1.0mm centre  
3.2mm O/D

Barrel	Plug	Code
9mm	1.0mm	P411



### 1.3mm P413

1.3mm centre  
3.2mm O/D

Barrel	Plug	Code
9mm	1.3mm	P413



### 1.3mm MJ99

1.3mm centre  
3.2mm O/D

Plug	Code
1.3mm	MJ99



### 1.3mm DC PLUG WITH LEAD

#### PRE-MADE 1.8M LEAD

Pre-Made 1.8M DC Lead and plug.

Type	Barrel	Plug	Code
Straight	9mm	1.3mm	DCL1309ST
R/Angle	9mm	1.3mm	DCL1309RA
Straight	12mm	1.3mm	DCL1312ST
R/Angle	12mm	1.3mm	DCL1312RA



### 2.1mm P421 SHORT-LONG BARREL

2.1mm centre 5.5mm O/D

Barrel	Plug	Code
9mm Long	2.1mm	P421S
12mm Long	2.1mm	P421L



### 2.1mm DC INLINE

5.5ø x 2.1ømm

Plug	Code
2.1mm DC	MS421



### 2.1mm DC SOCKET SCREW

Screw connector back

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCJ21



### 2.1mm DC SOCKET PCB MOUNT

5.5ø x 2.1ømm

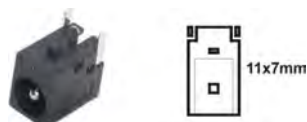
Plug	Code
2.1mm DC	J421



### 2.1mm DC SOCKET PCB MOUNT

5.5 x 2.1mm

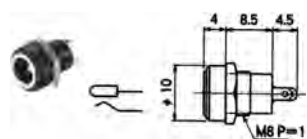
Plug	Code
2.1mm DC	J427



### 2.1mm DC PANEL SOCKET

5.5ø x 2.1ømm

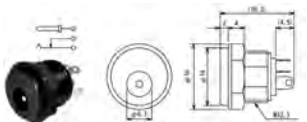
Plug	Code
2.1mm DC	MJ421



### 2.1mm DC PANEL SOCKET

O/D 5.5mmø  
I/D 2.1mmø  
Mount 14mmø

Plug	Code
2.1mm DC	MJ100



### 2.1mm DC PLUG SCREW

Screw connector back

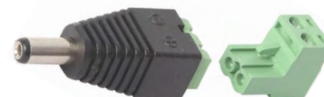
Size	Plug	Code
2.1mm	Pos. Tip	AD-DCP21



### 2.1mm DC PLUG SCREW

Removable 2 pin connector

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCP21RA



### 2.1mm DC PLUG SCREW

2.1mm Positive Tip

Plug	Code
2.1mm	P422



### 2.1mm DC PLUG WITH LEAD

#### PRE-MADE 1.8M LEAD

Pre-Made 1.8M DC Lead & Plug

Type	Barrel	Plug	Code
Straight	9mm	2.1mm	DCL2109ST
Straight	12mm	2.1mm	DCL2112ST
R/Angle	9mm	2.1mm	DCL2109RA
R/Angle	12mm	2.1mm	DCL2112RA



### 2.1mm DC PLUG PIGTAIL

30cm lead to bare end. 1A R&B.

Size	Plug	Code
2.1mm	Pos. Tip	ADC-P21

2M lead to bare end. 5A Black.

Plug	Length	Code
2.1mm	2M	DCL21



### 2.1mm DC SOCKET PIGTAIL

30cm lead to bare end. Red & Black Cable.

Size	Plug	Code
2.1mm	Pos. Tip	ADC-J21

10cm lead to bare end. Black round cable.

Plug	Code
2.1mm	DCL2119ST



### 2.1mm DC EXTENSION LEAD

#### 2.1mm MALE TO FEMALE DC EXTENSION LEAD

Length	Code
1M	DCL21121
3M	DCL21123



### 2.1mm DC SPLITTERS

#### SOCKET TO MULTIPLE PLUGS

Premade 30cm leads

Plug	Size	Length	Code
2	2.1mm	30cm	ADC-221
4	2.1mm	30cm	ADC-421
5	2.1mm	30cm	ADC-521
8	2.1mm	30cm	ADC-821



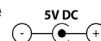
### DC ADAPTOR USB-2.1mm

#### 2.1mm FEMALE TO USB 'A' FEMALE DC ADAPTOR POSITIVE TIP

USB 'A' type socket converter cable.  
Use standard 5V DC power supply with 2.1mm plug.

Length	Code
150mm	DCL21USB

Warning: DC Plug must be configured as positive tip.







## 2.5mm P425 SHORT-LONG BARREL

2.5mm centre  
5.5mm O/D

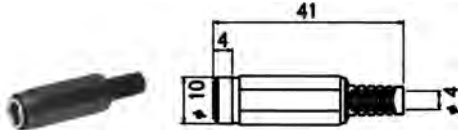
Barrel	Plug	Code
9mm	2.5mm DC	P425S
12mm	2.5mm DC	P425L



## 2.5mm DC INLINE SOCKET

5.5ø x 2.5ømm

Plug	Code
2.5mm DC	MS425



## 2.5mm DC SOCKET SCREW

Screw connector back

Size	Plug	Code
2.5mm	Pos. Tip	AD-DCJ25



## 2.5mm DC SOCKET PCB MOUNT

5.5ø x 2.5ømm

Plug	Code
2.5mm DC	J425



## 2.5mm DC SOCKET PCB MOUNT

5.5 x 2.5mm

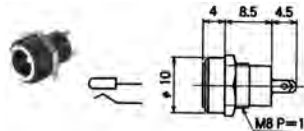
Plug	Code
2.5mm DC	J428



## 2.5mm DC SOCKET PANEL MOUNT

5.5ø x 2.5ømm

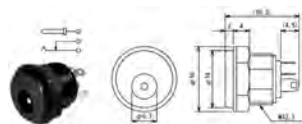
Plug	Code
2.5mm DC	MJ425



## 2.5mm DC SOCKET PANEL MOUNT - SWITCHED

O/D 5.5mmø  
I/D 2.5mmø  
Mount 14mmø

Plug	Code
2.5mm DC	MJ110



## 2.5mm DC PLUG SCREW

Screw connector back

Size	Plug	Code
2.5mm	Pos. Tip	AD-DCP25



## 2.5mm DC PLUG SCREW

Removable 2 pin connector

Size	Plug	Code
2.5mm	Pos. Tip	AD-DCP25RA



## MULTI PLUG DC LEAD

2M Long lead 2 Amp with  
8 interchangeable DC plugs.

Length	Plug	Code
2M	8x	MW-CP1



## 2.5mm DC PLUG WITH LEAD

PRE-MADE 1.8M LEAD

Pre-Made 1.8M DC Lead & Plug

Type	Barrel	Plug	Code
Straight	9mm	2.5mm	DCL2509ST
Straight	12mm	2.5mm	DCL2512ST
R/Angle	9mm	2.5mm	DCA2509RA
R/Angle	12mm	2.5mm	DCL2512RA



## 2.5mm DC PLUG REVERSIBLE

CHANGEABLE "R" PLUGS

Pre-Made 1.8M DC Lead

Type	Plug	Code
2Amp 1.8M	Required	DCL-R2A
5Amp 1.8M	Required	DCL-R5A
Straight	DC 2.5mm	FSR04
R/Angle	DC 2.5mm	FLR04



## 2.5mm DC PLUG PIGTAIL

30cm lead to bare end

Size	Plug	Code
2.5mm	Pos. Tip	ADC-P25



## 2.5mm DC SOCKET PIGTAIL

30cm lead to bare end

Size	Plug	Code
2.5mm	Pos. Tip	ADC-J25



## 2.5mm PLUG TO PLUG

30cm LEAD

Pre-Made 30cm DC Lead

Plug	Type	Code
2.5mm DC	M-M	KLE01



## 2.5mm DC SPLITTERS

Plug	Size	Length	Code
2	2.5MM	30CM	ADC-225
4	2.5MM	30CM	ADC-425
5	2.5MM	30CM	ADC-525
8	2.5MM	30CM	ADC-825



## DC ADAPTOR 2.5mm PLUG TO 2.1mm SOCKET

2.1mm FEMALE TO 2.5mm MALE

Length	Code
150mm	DCL2521



## DC ADAPTOR 2.1mm PLUG TO 2.5mm SOCKET

Code
ADC2125



## 3.1mm P431

3.1mm DC plug  
6.3mm O/D

Barrel	Plug	Code
9mm	3.1mm DC	P431







# Cables & Connectors

## EIAJ-01 DC PLUG

0.7ø x 2.35ømm

Plug	Code
EIAJ-01	MP201



## EIAJ-01 R/A DC PLUG

0.7ø x 2.35ømm

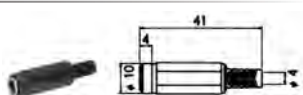
Type	Plug	Code
R/Angle	EIAJ-01	MP201RA



## EIAJ-01 DC INLINE SOCKET

Centre 0.7ømm

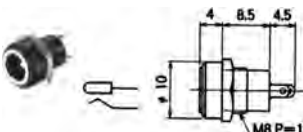
Plug	Code
EIAJ-01	S201



## EIAJ-01 DC PANEL MOUNT

Centre 0.7ømm

Plug	Code
EIAJ-01	MJ201



## EIAJ-02 DC PLUG

1.7ø x 4ømm

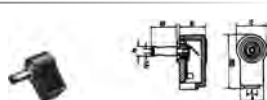
Plug	Code
EIAJ-02	MP202



## EIAJ-02 R/A DC PLUG

1.7ø x 4ømm

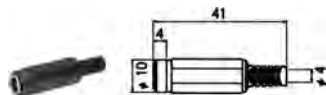
Type	Plug	Code
R/Angle	EIAJ-02	MP202RA



## EIAJ-02 DC INLINE SOCKET

1.7ø x 4ømm

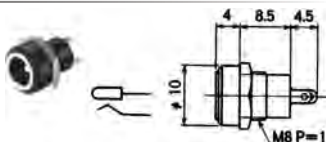
Plug	Code
EIAJ-02	S202



## EIAJ-02 DC PANEL MOUNT

1.7ømm x 4ømm

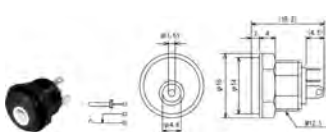
Plug	Code
EIAJ-02	MJ202



## EIAJ-02 DC PANEL MOUNT SWITCHED

O/D 4.0mmØ  
I/D 1.7mmØ  
Mount 14mmØ

Plug	Code
EIAJ-02	MJ120



## "R" PLUG AND LEAD SYSTEM

1.8M Prepared Lead with "R" Socket and Grommet.

Type	Plug	Code
2Amp 1.8M	Required	DCL-R2A
5Amp 1.8M	Required	DCL-R5A

### "R" DC PLUGS TO SUIT DCL

Straight	DC 1.3mm	FSR05
R/Angle	DC 1.3mm	FLR05
Straight	DC 2.1mm	FSR02
R/Angle	DC 2.1mm	FLR02
Straight	DC 2.5mm	FSR04
R/Angle	DC 2.5mm	FLR04
Straight	EIAJ-02	FSR06
R/Angle	EIAJ-02	FLR06
Straight	EIAJ-03	FSR07
R/Angle	EIAJ-03	FLR07
Straight	TRS 2.5mm	MSR01
R/Angle	TRS 2.5mm	MLR01
Straight	TRS 3.5mm	MSR02
R/Angle	TRS 3.5mm	MLR02



## EIAJ-03 DC PLUG

1.7ø x 4.75ømm

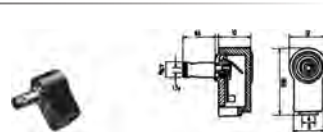
Plug	Code
EIAJ-03	MP203



## EIAJ-03 R/A DC PLUG

1.7ø x 4.75ømm

Type	Plug	Code
R/Angle	EIAJ-03	MP203RA



## EIAJ-03 LEAD

1.7ø x 4.75ømm + Barrel length  
1.8M Lead to bare end wires

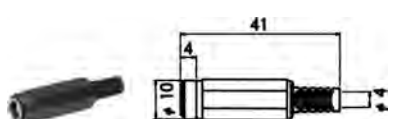
Barrel	Plug	Code
9mm	EIAJ-03	DCL1709RA
12mm	EIAJ-03	DCL1712RA



## EIAJ-03 DC INLINE SOCKET

1.7ømm x 4.75ømm

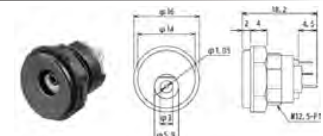
Plug	Code
EIAJ-03	MS203



## EIAJ-03 DC PANEL MOUNT SWITCHED

O/D 4.75mmØ  
I/D 1.7mmØ  
Mount 14mmØ

Plug	Code
EIAJ-03	MJ203



## EIAJ-04 DC PLUG

3.4ø x 5.5ømm  
1.0øCentre Pin

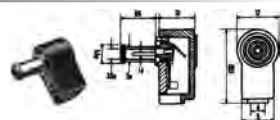
Plug	Code
EIAJ-04	MP204



## EIAJ-04 R/A DC PLUG

3.4ø x 5.5ømm  
1.0ømm Centre Pin

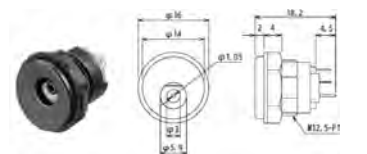
Type	Plug	Code
R/Angle	EIAJ-04	MP204RA



## EIAJ-04 DC PANEL MOUNT SWITCHED

Centre 1.0ømm  
Inside 3.4ømm

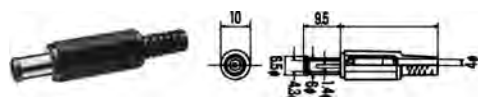
Plug	Code
EIAJ-04	MJ204



## EIAJ-05 DC PLUG

4.4ø x 6.5ømm  
1.4øCentre Pin

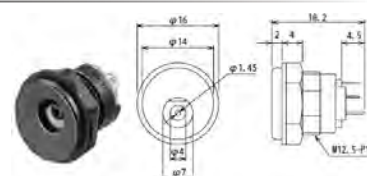
Plug	Code
EIAJ-05	MP205



## EIAJ-05 DC PANEL MOUNT SWITCHED

O/D 6.5mmØ  
I/D 4.3mmØ  
Centre 1.4mmØ  
Mount 14mmØ

Plug	Code
EIAJ-05	MJ205







## □ BNC

### BNC PLUG COMPRESSION

New weather proof crimp  
See compression page..

Cable	Code
RG58au/cu	P640
RG59u	P642
RG59au	P643
RG6	P644
RG6-Quad	P645



### BNC PLUG CRIMP RG58U

Cable	Pins	Code
RG58u	0.9mmØ	P659



### BNC PLUG CRIMP RG58CU

Cable	Pins	Code
RG58cu	1.2mmØ	P660



### BNC PLUG CRIMP LMR400

Cable	Code
LMR400	BNC7025



### BNC PLUG CRIMP RG59U

Cable	Pins	Code
RG59u	0.7mmØ	P662



### BNC PLUG CRIMP RG59AU

Cable	Pins	Code
RG59au	0.9mmØ	P661



### BNC PLUG CRIMP RG6

Cable	Pins	Code
RG6	1.1mmØ	P663



### BNC PLUG CRIMP RG174

Cable	Code
RG174	BNC7001



### BNC PLUG CRIMP RG59 HEAVY-DUTY

Barrel crush

Suit	Code
RG59u	P632



### BNC PLUG CRIMP RG6 HEAVY-DUTY

Barrel crush

Suit	Code
RG6	P634



### BNC PLUG CRIMP RG213 HEAVY-DUTY

Barrel crush

Suit	Code
RG213	P667



### BNC PLUG COMPRESSION DELUXE

**GOLD PLUG WITH GUN-METAL BARREL**  
High quality gold plated compression plug.  
Supplied with 6 colour rings for identification.

Cable	Code
RG59U	P646
RG6QUAD	P647



### BNC PLUG CRIMP RG213 RIGHT-ANGLE

Right Angle

Suit	Code
RG8 & RG213	BNC7002



### BNC PLUG CRIMP RG179

Crimp tip for multi-core  
RG59 Mini, RG179DT

Code
BNC7003



### BNC PLUG RG59U NEUTRIK

Crimp Pin: 1.6 mm (square)  
Crimp Shield: 6.47 mm (hex)

Code
NBNC75-BLP7



Colour Boots Available: See web.

### BNC PLUG RG58 SOLDER

BNC plug solder type  
Suit 1.2mm RG58 cable

Code
P601



### BNC PLUG RG59 SOLDER

BNC plug solder type  
Suit 0.9mm RG59 cable

Code
P602



### BNC PLUG SCREW TERMINATING RG58 RG59

BNC plug  
screw terminating

Code
P651



### BNC PLUG SCREW TERMINATING RG58 RG59

BNC right angle  
screw terminating

Code
P653



### BNC TO 2 PIN SCREW

Screw terminals

Code
AD-BNC1



### BNC PLUG TWIST-ON

Cable	Code
RG58	P664
RG59U	P665



### BNC PLUG RG213 TWIST-ON

Suit RG213  
Heavy duty twist-on  
Compression assembly

Code
P603



### BNC PLUG LOAD TERMINATOR

BNC Plug with load

Type	Code
50Ω	BNT50
75Ω	BNT75
93Ω	BNT93







## BNC SOCKET PANEL MOUNT

BNC panel socket  
silver plated

Code  
J600



## BNC SOCKET TO SOCKET PANEL AMPHENOL

Metal Chassis BNC-BNC Rear.  
Amphenol Plate 31x26mm

Colour	Code
Silver	AC-BNC-JJ-75
Black	AC-BNC-JJ-75B



## BNC SOCKET TO SOCKET PANEL NEUTRIK

31x26mm Neutrik. BNC Feed Through.  
Extremely robust diecast.

Code  
NBB75DFI



## BNC SOCKET PANEL NEUTRIK

SOLDER BACK

Code  
NBB75DSG



## BNC SOCKET TO SOCKET PANEL MOUNT

BNC female - female  
Panel Mount.

Code  
P682



## BNC SOCKET CRIMP PANEL MOUNT RG58

BNC panel mount.

Code  
J605



## BNC SOCKET CRIMP PANEL MOUNT RG59U

BNC panel mount.

Code  
J606



## BNC SOCKET CRIMP RG58

BNC female crimp RG58

Code  
P670



## BNC SOCKET CRIMP RG59

BNC female crimp RG59

Code  
P672



## BNC SOCKET CRIMP RG174

BNC female crimp RG174

Code  
BNC7022



## BNC SOCKET CRIMP LMR400 RG213 RG214

Cable	Code
LMR400	BNC7025



## BNC SOCKET CRIMP RG213U

Cable	Code
RG213U	BNC7024



## BNC SOCKET CRIMP RG6QUAD

Cable	Code
RG6QUAD	BNC7023



## BNC SOCKET CRIMP RG6QUAD

Cable	Code
RG6QUAD	BNC7023



## BNC SOCKET CRIMP RG213U

Cable	Code
RG213U	BNC7024



## BNC SOCKET CRIMP LMR195

Cable	Code
LMR195	BNC7026



## BNC SOCKET CRIMP LMR400

Cable	Code
LMR400	BNC7027



## BNC SOCKET TO 2 PIN SCREW

Screw terminals

Cable	Code
Wire	AD-BNC2



## BNC PLUG REVERSE CRIMP

Cable	Code
RG174	BNC2001



## BNC SOCKET REVERSE CRIMP

Cable	Code
RG174	BNC2022







## □ PAL

### PAL PLUGS COMPRESSION

Nickel Plated Barrel

Cable	Code
RG59	P542
RG6	P543
RG6-Quad	P544



### PAL PLUG IN LINE PLASTIC

TV coaxial plug  
screw terminating  
Plastic plug.

Code
P515



### PAL PLUG RIGHT ANGLE PLASTIC

TV coax right angle  
screw terminating  
Plastic plug.

Code
P535



### PAL PLUG IN LINE METAL

TV coaxial plug  
Screw terminating  
Metal plug.

Code
P540



### PAL PLUG PANEL MOUNT

75Ω coax chassis  
PAL Male

Code
J501



### PAL PLUG CRIMP RG6

Suit RG6, etc.  
(6-7mmØ)

Code
P541



### PAL SOCKET IN LINE PLASTIC

TV coaxial in-line socket  
screw terminal Plastic

Code
S512



### PAL SOCKET IN LINE PLASTIC DELUXE

TV coaxial in-line  
socket screw terminal  
Plastic Deluxe style

Code
S511



### PAL SOCKET RIGHT ANGLE PLASTIC

TV coax right angle  
screw terminating  
Plastic socket.

Code
S535



### PAL SOCKET IN LINE METAL

TV coax metal in-line socket  
screw terminal Metal socket.

Code
S520



### PAL SOCKET CRIMP RG6

Suit RG6, etc.  
(6-7mmØ)

Code
S521



### PAL SOCKET PANEL MOUNT

75Ω coax chassis PAL Socket Female

Code
J500



### PAL SOCKET PCB MOUNT

75Ω PCB mount PAL  
Socket Female

Code
J561



### PAL SOCKET PANEL MOUNT

Panel Mount  
PAL Socket  
Female

Code
J510



### PAL SOCKET PANEL MOUNT

Female chassis mount.  
Suit 14-17mm hole.

Code
J512



### PAL SOCKET TO "F" SOCKET INSERT PDL

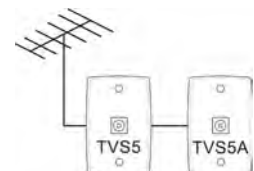
More PDL Sockets & Wall Plates  
found on the following pages...

Code
WPI12



### PAL WALL PLATES

Comprehensive range of  
wall plates are listed on  
the following pages...



### 300 OHM PLUG

Classic 2 pin wall plug suit older  
ribbon type antenna cable.

Type	Code
2mm	P521



### COAX CABLE JOINER SCREW TERMINATING

Coax cable joiner Screw terminating

Collar	Code
Black	CJ500B
White	CJ500W







## □ "F"

### "F" PLUG CRIMP RG59

Attached Crimp Collar

Code  
FL59



### "F" CRIMP DELUXE RG6

Attached Crimp Collar  
For added strain relief.

Code  
FL65



### "F" PLUG QUICK DISCONNECT

Suit 6.5mm OD Slip ON

Code  
F70



### "F" PLUG CRIMP GILBERT RG6

Suit RG6 Cable Gilbert USA  
standard Unsealed

Code  
F322



### "F" PLUG CRIMP RG6 GILBERT IP

Suit RG6 Cable Gilbert USA  
standard Sealing Grommet

Code  
F325



### "F" PLUG CRIMP RG11

Suit RG11 Cable  
Separate Pin

Code  
F335



### "F" PLUG CRIMP RG11

Suit RG11 Cable Integrated pin

Code  
F336



### "F" SOCKET CRIMP

Suit RG59 Cable 6.0mm O/D Push On

Code  
FS59



Suit RG6 Cable 6.5mm O/D Push On

Code  
FS65

### "F" PLUG CRIMP LMR400 LL400

Code  
F514



### "F" PLUG TERMINATOR 75Ω

75Ω "F" Male

Code  
FTM75



### "F" PLUG - TWIST ON RG59

O/D 6mmØ, RG59

Code  
FT59



### "F" PLUG - TWIST ON RG6

O/D 6.5mmØ, RG6

Code  
FT65



### "F" PLUG - TWIST ON RG6-QUAD

O/D 6.5mmØ, RG6

Code  
FT65Q



### "F" PLUG - PUSH ON RG59

RUST PROOF

Code  
F367



Push on 'F' connector.  
Revolutionary  
patented design.  
Simply strip your  
cable, peel back the  
braid and push on!

### "F" PLUG - PUSH ON RG6

Rust proof. 6.0-7.2mm O/D Coax.

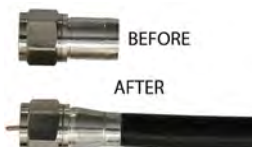
Code  
F368



### "F" PLUG CONICAL COMPRESSION RG6Q

Suit HT507 Tool

Cable Code  
RG6QUAD F507



### "F" PLUG COMPRESSION

Nickel Plated Barrel

Cable Code  
RG59 F331  
RG6 F333



### "F" COMPRESSION RG6 QUAD

PREMIUM CONTACT TRI/QUAD

3GHz bandwidth universal to suit  
most RG6 Tri & Quad shielded coax.

Cable Code  
RG6-Quad F334



### "F" PLUG COMPRESSION SHORT RG6 RG6Q

RG6 & RG6QUAD

Only 22mm when compressed

Cable Code  
RG6/RG6-Quad F337



### "F" COMPRESSION - APPROVED

FOXTEL® F30574

Cable Code  
RG6-Quad F506







## □ RF

### FME SOCKET CRIMP RG58

FME Female crimp RG58

Code  
FME100



### FME SOCKET CRIMP RG174

FME Female crimp RG174

Code  
FME8001



### FME FEMALE CRIMP LMR400

Cable Code  
LMR400 FME8002



### FME PLUG CRIMP RG58

FME Male RG58

Code  
FME158



### FME PLUG CRIMP RG174

FME Male RG174

Code  
FME8015



### FME MALE CRIMP LMR400

Cable Code  
LMR400 FME8016



### SMA PLUG CRIMP RG58

SMA male crimp, RG58

Code  
SMA58



### SMA PLUG CRIMP RG174

SMA Male crimp type  
suit RG174 cable.

Code  
SMA174



### SMA PLUG CRIMP RG174 RIGHT ANGLE

SMA Male crimp Right Angle  
suit RG174 cable.

Code  
SMA174R



### SMA PLUG CRIMP RG58 PANEL MOUNT

MALE RG58

Code  
SMA258



### SMA PLUG CRIMP LMR195

Cable Code  
LMR195 SMA2808



### SMA SOCKET CRIMP RG174U

SMA female crimp type  
suit RG174U cable.

Code  
SMA175



### SMA SOCKET CRIMP RG58

SMA female crimp type  
suit RG58 cable.

Code  
SMF58



### SMA SOCKET CRIMP RG174U BULKHEAD

SMA female crimp type  
RG174U BULKHEAD TYPE

Code  
SMA176



### SMA PLUG REVERSE CRIMP

Reverse SMA Male Crimp Gold Plated

Suit Code  
RG58 SMA158  
RG174 SMA2801



### SMA SOCKET REVERSE CRIMP

Reverse SMA Female Crimp type

Suit Code  
RG58 SMF158  
RG174 SMA2809  
LL195 SMF159



### SMA PLUG CRIMP LMR400

Cable Code  
LMR400 SMA2811



### SMA SOCKET CRIMP LMR400

Cable Code  
LMR400 SMA2812



### SMA SOCKET CRIMP LMR195

Cable Code  
LMR195 SMA2813



### SMA PLUG REVERSE CRIMP LMR195

Cable Code  
LMR195 SMA2815



### SMA PLUG REVERSE CRIMP LMR400

Cable Code  
LMR400 SMA2817



### SMA SOCKET REVERSE CRIMP LMR195

Cable Code  
LMR195 SMA2816



### SMA SOCKET REVERSE CRIMP LMR400

Cable Code  
LMR400 SMA2818



### SMB PLUG CRIMP RG174

SMB Female Crimp type

Suit Code  
RG174 SMB101



### SMB SOCKET CRIMP RG174

SMB Male  
Crimp type

Suit Code  
RG174 SMB105







## TNC PLUGS CRIMP

Suit	Code
RG58	TNC28
RG59	TNC29
RG213	TNC7402



## TNC PLUG CRIMP RG174

TNC Male crimp  
Suit RG174 cable

Code
TNC7401



## TNC PLUG SCREW-ON RG58U

TNC thread-on plug

Code
TNC218



## TNC28 CRIMP TYPE RG58U RIGHT ANGLE

Gender	Code
Male	TNC28RA



## TNC SOCKET CRIMP RG58 PANEL MOUNT

TNC panel mount  
crimp type RG58.

Code
TNC45



## TNC SOCKET CRIMP RG58

TNC female crimp type to suit RG58 cable.

Suit	Code
RG58	TNC99
RG213	TNC7416



## TNC SOCKET CRIMP RG174

TNC Female crimp  
Suit RG174 cable

Code
TNC7415



## TNC SOCKET PANEL MOUNT SOLDER

TNC chassis mount.

Code
TNC232



## TNC PLUG CRIMP LMR195

Cable	Code
LMR195	TNC2419



## TNC SOCKET CRIMP LMR195

Cable	Code
LMR195	TNC2420



## TNC PLUG CRIMP LMR400

Cable	Code
LMR400	TNC2421



## TNC SOCKET CRIMP LMR400

Cable	Code
LMR400	TNC2424



## TNC PLUG REVERSE CRIMP

Reverse TNC Plug

Suit	Code
RG58	TNC27
RG174	TNC2401



## TNC SOCKET REVERSE CRIMP

Reverse TNC Socket

Suit	Code
RG174	TNC2415
RG58	TNC98



## TNC PLUG REVERSE CRIMP LMR400

Cable	Code
LMR400	TNC2422



## TNC SOCKET REVERSE CRIMP LMR400

Cable	Code
LMR400	TNC2423



## TNC PLUG REVERSE CRIMP LMR195

Cable	Code
LMR195	TNC2425



## TNC REVERSE CRIMP LMR195

Cable	Code
LMR195	TNC2426



## TWIN AXIAL SOCKET SOLDER

Twin Axial Female plug

Code
TAC105



## LUCENT PLUG CRIMP RG174

Lucent WiFi Crimp Suits MC Cards, etc.  
LMR100 RG174 Cable

Code
LPC101



## LUCENT PLUG TO REVERSE SMA SOCKET

Fly lead 50cm Lucent MC-Card WiFi Connector  
to SMA-RP Plug

Code
CAL711



## MCX PLUG CRIMP RG174

MCX 6GHz Gold Plated RG174

Code
MCX101



## MCX PLUG CRIMP RG174 RIGHT ANGLE

MCX 6GHz Gold Plated  
RG174 Right Angle

Code
MCX102



## MCX PLUG CRIMP RG58

MCX 6GHz Gold Plated  
RG58 Coax Crimp

Code
MCX103







## MCX PLUG CRIMP RG58

MCX 6GHz Gold Plated  
RG58 Coax Crimp

Code  
MCX112



## MCX SOCKET CRIMP RG174

MCX 6GHz Gold Plated  
RG174 Female

Code  
MCX111



## MMCX PLUG CRIMP RG174 RG178 RG188 RG316

MMCX 6GHz Gold Plated

Code  
MMCX101



## MMCX PLUG CRIMP RIGHT ANGLE RG174 RG178

MMCX 6GHz Gold Plated RG174 RG178 RG188 RG316

Code  
MMCX101RA



## MMCX SOCKET CRIMP RG174

Gold Plated 6GHz RG174

Type	Code
RG174	MMCX102



## "N" SOCKET CRIMP RG174 / RG316U / LMR100

Code  
N7303



## "N" SOCKET CRIMP RG8U LL400 LMR400

"N" Female LL400 LMR400 RG8u Cable

Code  
N129



## "N" SOCKET CRIMP RG58/RG213

"N" Female RG58 or RG213 Cable

Cable	Code
RG58CU	N127
RG213	N128



## "N" SOCKET CRIMP

Cable	Code
LMR400	N7307
LMR195	N7305



## "N" PLUGS CRIMP

Cable	Code
RG174	N7301
RG58CU	N120
LMR195	N7304
RG213	N112
LMR400	N7306
LL400	N113



## "N" PLUG SCREW-ON

Screw-down compression

Cable	Code
RG58	N115
RG213	N110



## "N" PLUG CRIMP RG8 RG213

"N" Male crimp RG8 &  
RG213 cable. Right Angle

Code  
N7302



## "N" PLUG SCREW-DOWN LL400 RG213

"N" Male Right/Angle LL400 RG213  
Cable Screw-down compression

Code  
N126



## "N" PLUG SCREW-DOWN RG58

"N" male right angle for RG58 type cable.  
Screw-down compression

Code  
N125



## "N" SOCKET PANEL MOUNT SOLDER

"N" type female  
chassis mount.

Code  
N145



## "N" SOCKET PANEL MOUNT SOLDER

"N" female waterproof Earthed  
chassis mount Solder rear terminal

Code  
N150



## "N" SOCKET CRIMP RG58 BULKHEAD

"N" female waterproof Earthed  
chassis mount RG58 Crimp rear

Code  
N152



## "N" SOCKET SCREW-DOWN RG8 RG213

"N" female waterproof  
Earthed chassis mount  
RG8 & RG213 Collar twist

Code  
N154



## "N" REVERSE POLARITY PLUG

Cable	Code
LMR400	N207
RG58U	N203
RG213U	N201
RG174	N205



## "N" REVERSE POLARITY SOCKET

Cable	Code
RG213U	N202
RG58U	N204
RG174U	N206
LMR400	N208







# Cables & Connectors

## UHF PLUG PL-259 SOLDER RG58

UHF Plug for **RG58**  
Short Barrel Type

Code  
PL259A



## UHF PLUG PL259 SOLDER RG213-JU RG58

UHF Plug for **RG213-JU**  
REDUCER for **RG58**

Code  
PL259R



## UHF PLUG PL259 SCREW ON RG58 RG59

UHF Plug with strain  
relief suit RG58 RG59

Code  
PL259S



## UHF PLUG PL259 SCREW ON RG58 RG59

Right angle strain relief  
suit RG58 RG59

Code  
PL259SRA



## UHF PLUG PL259 CRIMP

Suit	Code
RG58	PL259-58
RG59	PL259-59



## UHF PLUG PL259 SOLDER RG58

Suit **RG58** Cable  
Screw Collar (Short)

Code  
PL259-CL58



## UHF PLUG PL259 SOLDER HEAVY-DUTY

Suit	Code
RG58	PL259-SC58
RG213	PL259-SC213



## UHF PLUG PL259 CRIMP RG213

Suit **RG213** Cable  
Locking Collar

Code  
PL259-213



## UHF SOCKET SO239 SOLDER PANEL MOUNT

Panel socket UHF

Code  
SO239



## UHF SOCKET SO239 SOLDER

RG58u Twist-On Wide Bandwidth

Code  
IL239-58

RG213u Twist-On Wide Bandwidth

Code  
IL239-213



## UHF SOCKET SO239 SOLDER PANEL MOUNT

Panel socket UHF

Code  
PM239



## UHF SOCKET SO239 SOLDER BULKHEAD

Panel Socket Solder Gold pin  
wide-band

Code  
SPM239



## UHF SOCKET SO239 SOLDER RG58U BULKHEAD

Panel Socket Solder Twist-On  
RG58u

Code  
SPM239-58



## UHF SOCKET SO239 SOLDER RG213 BULKHEAD

Panel Socket PL259 Solder  
Twist-On RG213

Code  
SPM239-213



## MINI UHF PLUG CRIMP

Suit	Code
RG174	M259-174
RG58	M259-58
RG59	M259-59



## MINI UHF SOCKET CRIMP RG58

Mini UHF crimp inline socket RG58 coax

Code  
S259-58



## MINI UHF SOCKET CRIMP RG174

Mini UHF crimp inline socket RG174 coax

Code  
S259-174



## RCA PLUG CRIMP

Suit	Code
RG59	P360
RG58	P361



## RF Miscellaneous

### GOLD PINS BNC TNC

Suit BNC,TNC,etc. 10 pcs.

Type	Code
0.7mm hole	BNP7
0.9mm hole	BNP9
1.2mm hole	BNP12



### CRIMP FERRULES

Suit crimp plugs. 10pcs

Type	Code
RG58 type	FER58
RG59 type	FER59



### STRAIN RELIEF BOOTS

Suit	Colour	Code
RG58 Cable	Black	58SRB-BK
RG58 Cable	Blue	58SRB-BU
RG58 Cable	Green	58SRB-GN
RG58 Cable	Red	58SRB-RD
RG58 Cable	White	58SRB-WH
RG58 Cable	Yellow	58SRB-YL
RG59U Cable	Black	59SRB-BK
RG59U Cable	Blue	59SRB-BU
RG59U Cable	Green	59SRB-GN
RG59U Cable	Red	59SRB-RD
RG59U Cable	White	59SRB-WH
RG59U Cable	Yellow	59SRB-YL
RG6 Cable	Black	6SRB-BK
RG6 Cable	Blue	6SRB-BU
RG6 Cable	Green	6SRB-GN
RG6 Cable	Red	6SRB-RD
RG6 Cable	White	6SRB-WH
RG6 Cable	Yellow	6SRB-YL







## Multi-Pin Misc

### DIN POWER 4 PIN PLUG

10mm Barrel Mini Din 30V-7A

Code  
DPP4



### DIN POWER 4 PIN INLINE SOCKET

7mm CABLE ENTRY

Code  
DPS4



### DIN POWER 4 PIN SOCKET

PCB MOUNT

Code  
DPJ4



## CB Microphone Plugs

### MICROPHONE PLUGS

Type	Code
2 pin	NC514-2
3 pin	NC514-3
4 pin	NC514-4
5 pin	NC514-5
6 pin	NC514-6
7 pin	NC514-7
8 pin	NC514-8



### MICROPHONE PLUGS RIGHT ANGLE

Type	Code
2 pin	NC516-2
3 pin	NC516-3
4 pin	NC516-4
5 pin	NC516-5
6 pin	NC516-6
7 pin	NC516-7
8 pin	NC516-8



### MICROPHONE PANEL MOUNT SOCKETS

Type	Code
2 pin	NC515-2
3 pin	NC515-3
4 pin	NC515-4
5 pin	NC515-5
6 pin	NC515-6
7 pin	NC515-7
8 pin	NC515-8



### MICROPHONE INLINE SOCKETS

Type	Code
2 pin	NC518-2
3 pin	NC518-3
4 pin	NC518-4
5 pin	NC518-5
6 pin	NC518-6
7 pin	NC518-7
8 pin	NC518-8



## Car Antenna

### CAR ANTENNA PLUG

Screw terminating type.

Code  
CAP20



### CAR ANTENNA PLUG

Standard solder type.

Code  
CAP10



### CAR ANTENNA SOCKET

Screw terminating type.

Code  
CAS50



### CAR ANTENNA SOCKET

Standard solder type.

Code  
CAS10



### CAR ANTENNA INPUT

"PIG TAIL"

Hangs out the back of the car stereo.

Code  
APT1



### CAR ANTENNA ADAPTOR

Standard to the new European

Plug

Code  
AD653

Lead

Code  
CAL653



### CAR ANTENNA ADAPTOR

European to Standard

Plug

Code  
AD655

Lead

Code  
CAL655



### CAR ANTENNA EXTENSION LEADS

Length	Code
0.6M	CAL60
1.2M	CAL120
3.6M	CAL360
5.0M	CAL500







# Cables & Connectors

## □ Adaptors Cross Reference

Quick reference guide for finding adaptors. See following pages for descriptions and images.

### 2.5mm Male Mono

3.5mm Mono Female	AD11
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### 2.5mm Male Stereo

3.5mm Stereo Female	AD112
3.5mm Stereo Female 12cm	AD111

### 2.5mm Female Stereo

3.5mm Male Stereo	AD115
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### 3.5mm Mono Male

3.5mm Female Mono R/A	AD114
PAL Female	TVA25
RCA Female	AD13
RCA Female x 2	AD1130
3.5mm Female Stereo	AD113
6.35mm Female Mono	AD12
6.35mm Female Stereo	AD123
6.35mm Female Stereo	AD122
RCA Female x 2	AD1230
3.5mm Female Stereo x 2	AD1210

### 3.5mm Mono Female

3.5mm Male Mono R/A	AD114
RCA Male	AD31
2.5mm Male Mono	AD11
6.35mm Male Mono	AD21
2.5mm Male Stereo	AD112
6.35mm Male Stereo	AD212
3.5mm Male Mono	AD113
3.5mm Male Stereo	AD1210

### 3.5mm Stereo Male

2.5mm Stereo Female	AD115
3.5mm Stereo Female	AD216
3.5mm Stereo Female x 2	AD1210
6.35mm Female Stereo	AD122
RCA Female x 2	AD1230
3.5mm Stereo Female x5	AD1206

### 3.5mm Stereo Female

2.5mm Male Stereo	AD112
2.5mm Male Stereo	AD111
3.5mm Female Stereo	AD217
3.5mm Female Stereo	AD218
3.5mm Male Mono	AD113
3.5mm Male Stereo R/A	AD216
6.35mm Male Mono	AD213
6.35mm Male Stereo	AD212
6.35mm Male Stereo	DHPA165
6.35mm Male Stereo x2	DHPA170

### 3.5mm Stereo Female x 2

3.5mm Male Stereo	AD1210
6.35mm Male Stereo	AD2210

### 3.5mm QUAD

Quad Splitter	AD9052
Quad Splitter	MP155
Quad To Stereo x2	AD921

### 6.35mm Mono Male

3.5mm Female Mono	AD21
3.5mm Female Stereo	AD213
6.35mm Female Mono x2	AD2120
6.35mm Female Stereo	AD223
RCA Female	AD23
RCA Female x 2	AD2130
RCA Female	DHPA190
XLR Female	DHMA290
XLR Male	DHMA300

### 6.35mm Stereo Male

3.5mm Female Stereo	AD212
3.5mm Female Stereo	DHPA165
3.5mm Female Stereo x2	AD2210
6.35mm Female Stereo x2	AD2220
6.35mm Female Stereo x2	DHPA170
RCA Female x 2	AD2230
XLR Male	DHMA305
XLR Female	DHMA295

### 6.35mm Mono Female

RCA Male	DHPA180
RCA Male	AD32
3.5mm Male Mono	AD12
XLR Male	DHMA320
XLR Female	DHMA310

### 6.35mm Stereo Female

3.5mm Male Mono	AD123
3.5mm Male Stereo	AD122
6.35mm Male Stereo	AD223
XLR Female	DHMA625
XLR Male	DHMA615

### 6.35mm Female x 2

6.35mm Male Mono	AD2120
6.3mm Male Stereo	DHPA170
6.3mm Male Stereo	AD2220

### BNC Male

BNC Male	AD1190
BNC Female, right angle	P680
BNC Female X 2	P695
BNC Female X 2	P697
Banana binding posts X 2	BP60
F Female	AD280
FME Male	FME140
FME Female	FME146
N Male	N157
N Female	N156
Mini UHF Female (S259)	MUF439
PAL Female	AD235
RCA Female	AD230
UHF Female (SO239)	AD240
SMA Female	SMA430
TNC Female	TNC254

### BNC Male x 2

BNC Female	P696
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### BNC Female

BNC Female	P694
BNC Female X2	P693
BNC Male right angle	P680
BNC Male x 2	P696
F Female	AD291
F Male	AD290
FME Female	FME145
Mini UHF Male (S259)	MUF339
N Male	N155
PAL Female	AD294
PAL Male	AD292
RCA Male	AD260
SMA Female	SFB148
SMA Male	SMA230
TNC Female	AD1175
TNC Male	TNC268
UHF Female	AD241
UHF Male (PL259)	AD210

### BNC Female x 2

BNC Male	P697
BNC Male	P695
BNC Female	P693

### CRC9 Male

SMA Female	CAL820
FME Male	CAL802

### F Male

F Female R/Angle	AD328
BNC Female	AD290
F Male	AD315
PAL Female	AD310
RCA Female	AD330
F Female Quick disconnect	F72

### F Female

BNC Female	AD291
BNC Male	AD280
F Female Long	AD327L
F Female Short	AD327
F Male Quick disconnect	F72
F Male R/Angle	AD328
MCX Male	AD1152
N Male	AD1050
PAL Male	AD320
PAL Male R/A	AD329
RCA Male	AD340
SMA Female	AD1106
SMA Male	AD1105
PAL Female	AD325

### FME Male

BNC Male	FME140
CRC9 Male R/A	CAL802
FME Male	FME120
FME Female	FME122
MC Lucent (Patch Lead)	CAL712
Mini UHF Male M259 Long	FME265
Mini UHF Male M259 Short	FME150
MMCX (Patch Lead)	CAL807
N Female	AD1145
N Male	FME160
SMA Male	AD1112
SMB Female	CAL815
SMK TS-9	CAL828
SMK TS-9 Male	CAL821
SMK TS-9 Male R/A	CAL832
SSMB (Patch Lead)	CAL805
SSMB Male	CAL809
TMC Male	CAL804
TNC Male	FME130
UHF Male (PL259)	FME259

### FME Female

BNC Male	FME146
FME Female	AD1111
N Female	AD1075
SMA Male	AD1103
SMA Female	AD1104
BNC Female	FME145
TNC Female	FME110
Mini UHF Female (S259)	FME250

### FME Male x2

SMK TS-9 Male x2	CAL830
SMK TS-9 Male x2	CAL823

### MC Lucent Male

FME Male	CAL712
SMA Female	CAL716
SMA-RP Male	CAL711

### MCX Male

F Female	AD1152
N Male	AD1141
N Female	AD1142
PAL Female	AD1151
SMA Female	AD1140
SMA-RP Female	CAL710
SMA Female	CAL714
N Female	CAL715

### MCX Female

SMA-RP Male	AD1143
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### MMCX Male

SMA Female	AD1120
SMA-RP Female	AD1122
FME Male	CAL807
SMA Female	CAL808
FME Male	CAL812

### MMXC Female

SMA Female	AD1121
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### N Male

BNC Female	N155
BNC Male	N157
F Female	AD1050
FME Male	FME160
MCX Male	AD1141
N Female x 2 (T type)	N140
N Male	N130
SMA Female	AD1071
SMA Male	AD1072
SMA-RP Female	AD1006
SMA-RP Male	AD1001
TNC-RP Female	AD1044
TNC-RP Male	AD1042
UHF Female (SO239)	N160

### N Female

BNC Male	N156
FME Male	AD1145
FME Female	AD1075
MCX Male	AD1142
MCX Male	CAL715
N Female	N135
N Female	N141
SMA Female	AD1073
SMA Male	AD1074
SMA-RP Female	AD1005
SMA-RP Male	AD1012
TNC Female	TNC279
TNC Male	TNC278
TNC-RP Female	AD1044
TNC-RP Male	AD1041
RP-TNC Male	AD1049
UHF Male (PL259)	AD1076

### N Female x 2

N Male (T type)	N140
N Female	N141

### PAL Male

PAL Female	AD510
PAL Male	AD511
RCA Female	AD513
BNC Female	AD292
F Female	AD320
F Female R/A	AD329

### PAL Female

PAL Female	AD500
PAL Male	AD510
RCA Female	AD503
RCA Female (chassis)	AD504
RCA Male	AD505
3.5mm Male Mono	TVA25
BNC Male	AD235
BNC Female	AD294
F Male	AD310
F Female	AD325
MCX Male	AD1151



AD217

AD218



DHPA170





## □ Adaptors Cross Reference

### RCA Male

3.5mm Mono Female	AD31
6.35mm Mono Female	AD32
BNC Female	AD260
F Female	AD340
PAL Female	AD505
RCA Female R/A Black	AD42
RCA Female R/A Red	AD44
RCA Female R/A Gold	AD962
RCA Female R/A Long	AD960
RCA Female X 2	AD3130
RCA Female X 2 [gold]	AD965
RCA Male	AD40
RCA Male [gold]	AD950
SVHS Female	SVHS321
UHF Female (SO239)	AD270
XLR Female	DHMA510

### RCA Female

3.5mm Male Mono	AD13
6.35mm Male Mono	AD23
6.3mm Mono Male	DHPA190
BNC Male	AD230
F Male	AD330
PAL Female	AD503
PAL Female (chassis)	AD504
PAL Male	AD513
RCA Female	AD33
RCA Female [gold]	AD955
RCA Female Triple	AD35
RCA Male Long R/A	AD960
RCA Male Short R/A	AD962
SVHS Male	SVHS322
UHF Male (PL259)	AD220
XLR Male	DHMA500

### RCA Female x 2

RCA Female Pair	AD34
RCA Female Splitter	AD3131
3.5mm Male Mono	AD1130
3.5mm Male Stereo	AD1230
6.35mm Male Mono	AD2130
6.35mm Male Stereo	AD2230
RCA Male	AD3130
RCA Male [gold]	AD965

### RCA Female x 3

SCART Male	AD904
SCART Male w/ I/O SW	AD905
SCART Male	AD906
RCA Female x3	AD35

### SCART Male

RCAX3	AD906
RCA & S-Video	AD904
RCA & S-Video	AD905

### SMA Male

BNC Female	SMA230
F Female	AD1105
FME Male	AD1112
FME Female	AD1103
N Male	AD1072
N Female	AD1074
UHF Female (PL259)	AD312
SMA Male	AD1101
SMA Female R/Angle	SMA390
SMA-RP Male	AD1003
SMA-RP Female	AD1008
TNC Female	SMA150
TNC-RP Female	AD1046

### SMA Female

BNC Female	SFB148
BNC Male	SMA430
CRC9	CAL820
F Female	AD1106
FME Female	AD1104
Lucent MC Lead	CAL716
MCX Male	AD1140
MCX Male	CAL714
Mini UHF ( M259 )	SMA319
MMCX (Patch Lead)	CAL808
MMCX Female	AD1121
MMCX Male	AD1120
N Female	AD1073
N Male	AD1071
SMA Female	AD1102
SMA Female Panel mount	SMA291
SMA Female Wall Plate	SMA292
SMA Male R/Angle	SMA390
SMA-RP Female	AD1007
SMA-RP Male	AD1002
SMB Female	CAL816
SMK TS-6 Male	CAL702
SMK TS-9 Male	CAL822
SMK TS-9 Male	CAL833
SMK TS-9 Male x2	CAL835
SMK TS-9 Male x2	CAL836
SMK TS-9 Male x2	CAL831
SSMB Male	CAL819
TNC Female	SMA452
TNC Male	SMA451
TNC-RP Female	AD1045
TNC-RP Male	AD1043

### SMA-RP Male

N Male	AD1001
SMA Female	AD1002
SMA Male	AD1003
TNC-RP Female	AD1004
SMA-RP Male	AD1011
N Female	AD1012
MCX Female	AD1143
Lucent MC (Patch Lead)	CAL711

### SMA-RP Female

MCX Plug	AD1143
MMCX Male	AD1122
N Female	AD1005
N Male	AD1006
SMA Female	AD1007
SMA Male	AD1008
TNC-RP Male	AD1009
SMA-RP Female	AD1010

### SMB Male

SMA Female	CAL816
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### SMB Female

FME Male	CAL815
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### SMK TS-6 Male

SMA Female	CAL702
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### SMK TS-9 Male

SMA Female	CAL833
FME Male R/A	CAL832
FME Male	CAL821
SMA Female	CAL822

### SMK TS-9 Male x2

SMA Female x2	CAL831
FME Male x2	CAL830
FME Male x2	CAL823
SMA Female x2	CAL835
FME Male	CAL828
SMA Female	CAL836

### SSMB Male

SSMB Male	CAL805
SSMB Male	CAL819
SSMB Male	CAL809

### S-Video Male

RCA Female	SVHS322
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### S-Video Female

SVHS Female	AD4SVHS
RCA Male	SVHS321
SCART Male	AD904
SCART Male I/O switch	AD905

### TNC Male

2 x TNC Female (T type)	TNC224
BNC Female	TNC268
FME Male	FME130
Mini UHF Female (S259)	TNC274
N Female	TNC278
SMA Female	SMA451
TNC Female (push on)	TNC75
TNC Female, R/A	TNC240

### TNC Female

BNC Female	AD1175
BNC Male	TNC254
FME Female	FME110
Mini UHF Male (M259)	MUF250
N Female	TNC279
SMA Female	SMA452
SMA Male	SMA150
TNC Female	TNC262
TNC Female Panel Mount	TNC246
TNC Male (push on)	TNC75
TNC Male R/Angle	TNC240

### TNC Female x 2

TNC Male (T type)	TNC224
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### TNC-RP Male

N Female	AD1041
N Male	AD1042
SMA Female	AD1043
TNC-RP Male	AD1047
SMA-RP Female	AD1009

### TNC-RP Female

N Male	AD1044
SMA Female	AD1045
SMA Male	AD1046
TNC-RP Female	AD1048
SMA-RP Male	AD1004

### UHF Male (PL259)

UHF Male	AD2259
SO239 R/Angle	AD259RA
BNC Female	AD210
FME Male	FME259
N Female	AD1076
RCA Female	AD220
UHF Female x2	PL259T

### UHF Female (SO239)

BNC Female	AD241
BNC Male	AD240
Mini UHF Male (M259)	MUF379
N Male	N160
RCA Male	AD270
SMA Male	AD312
UHF Female (SO239)	PL258
UHF Female x 2 (T type)	P698
UHF Male (PL259)	PL259T
UHF Male (PL259)	AD259RA

### UHF Mini Male (M259)

BNC Female	MUF339
FME Male (Short body)	FME150
FME Male (Long body)	FME265
TNC Female	MUF250
Mini UHF Female M259 R/A	M259RA
UHF Female (SO239 )	MUF379

### UHF Mini Female (S259)

BNC Male	MUF439
FME Female	FME250
Mini UHF Male M259 R/A	M259RA
TNC Male	TNC274
SMA Female	SMA319

### XLR Male

6.3mm Mono	DHMA300
6.3mm Mono Female	DHMA320
6.3mm Stereo	DHMA305
6.3mm Stereo Female	DHMA615
RCA Female	DHMA500
XLR Male	AC3M3MBW
XLR Female	AC3F3MBW

### XLR Female

6.3mm Mono Male	DHMA290
6.3mm Stereo Male	DHMA295
6.3mm Stereo Female	DHMA625
6.3mm Mono Female	DHMA310
RCA Plug	DHMA510
XLR Female	AC3F3FBW
XLR Male	AC3F3MBW



AD35



AD1041



[See Adaptors Here →](#)

For details of each adaptor, see the following pages...



CAL Series Adaptors  
are a short 15cm Lead



AD1042





# Cables & Connectors

## □ Audio Visual

### AUDIO ADAPTORS

Quick reference is available using our cross-reference on the previous pages. Some adaptors may be achievable via pre-assembled leads. See Page 2.

#### 2.5MM STEREO PLUG TO 3.5MM STEREO SOCKET

2.5mm plug stereo 3.5mm socket stereo

Code  
AD112



#### 2.5MM STEREO PLUG TO 3.5MM STEREO SOCKET

2.5mm Stereo Plug TO  
3.5mm Stereo Socket

Code  
AD111



#### 2.5MM STEREO SOCKET TO 3.5MM STEREO PLUG

2.5MM-3.5MM STEREO

2.5mm Stereo Socket TO 3.5mm Stereo Plug

Code  
AD115



#### 2.5MM MONO PLUG TO 3.5MM MONO SOCKET

2.5mm plug to  
3.5mm socket

Code  
AD111



#### 3.5MM MONO SOCKET TO 6.35MM MONO PLUG

3.5mm socket TO 6.35mm plug

Code  
AD21



#### 6.35MM MONO PLUG TO RCA SOCKET

RCA socket to 6.35mm plug.

Code  
AD23



#### 6.35MM MONO PLUG TO RCA SOCKET

Jack Mono Male 6.3mm to RCA Female

Code  
DHPA190



#### 3.5MM MONO SOCKET RCA PLUG

RCA plug to 3.5mm socket mono

Code  
AD31



#### 6.35MM MONO SOCKET TO RCA PLUG

RCA plug to 6.35mm socket mono

Code  
AD32



#### RCA PLUG TO 6.35MM MONO SOCKET

RCA Male to Jack Mono Female 6.3mm

Code  
DHPA180



#### 3.5MM MONO PLUG TO RCA SOCKET

3.5mm plug to  
RCA socket

Code  
AD13



#### 3.5MM STEREO SOCKET TO SOCKET JOINER

3.5mm Socket To Socket. Stereo or Mono.

Type	Code
Plastic	AD217
Metal	AD218



#### 3.5MM MONO PLUGS TO 3.5MM STEREO SOCKET

AIRLINE HEADPHONE ADAPTOR  
Dual 3.5mm Mono Plugs.

Code  
AD215



#### 3.5MM MONO PLUG TO 6.35MM MONO SOCKET

3.5mm plug to 6.35mm mono socket

Code  
AD12



#### 3.5MM MONO PLUG TO 6.35MM STEREO SOCKET

3.5mm mono plug to  
6.35mm stereo socket.

Code  
AD123



#### 3.5MM STEREO PLUG TO 6.3MM STEREO SOCKET

3.5mm stereo plug to  
6.35mm stereo socket

Code  
AD122



#### 6.35MM STEREO PLUG TO 3.5MM STEREO SOCKET

6.35mm stereo plug to  
3.5mm stereo socket

Code  
AD212



#### 6.35MM STEREO PLUG TO 3.5MM STEREO SOCKET

Jack Stereo Male 6.3mm to  
Jack Stereo Female 3.5mm

Code  
DHPA165



#### 3.5MM MONO PLUG TO 3.5MM STEREO SOCKET

3.5mm mono plug to 3.5mm stereo socket

Code  
AD113



#### 3.5MM MONO PLUG TO 3.5MM MONO SOCKET

3.5mm Mono Plug to 3.5mm Mono Socket  
Right Angle Adaptor

Code  
AD114



#### 3.5MM STEREO PLUG TO 3.5MM STEREO SOCKET

3.5MM RIGHT-ANGLE ADAPTOR  
Stereo 3.5mm Male to Female Stereo socket.

Code  
AD216



#### 6.35MM MONO PLUG TO 6.35MM STEREO SOCKET

6.35mm mono plug to  
6.35mm stereo socket

Code  
AD223



#### 6.35MM MONO PLUG TO 3.5MM STEREO SOCKET

6.35mm mono plug to  
3.5mm stereo socket

Code  
AD213







## 3.5MM STEREO PLUG TO 2X STEREO SOCKET

3.5mm stereo plug to 2x sockets

Code  
AD1210



## 5 PORTS 3.5MM STEREO

3.5mm Plug to five 3.5mm Jacks.  
Splits to multiple headphones

Code  
AD1206



## 3.5MM QUAD SPLITTERS

3.5mm Quad Plug to two Quad Sockets.

Type	Code
Block	AD9052
Twin Lead	MP155



## 3.5mm PC TO QUAD ADAPTOR

STEREO 3.5MM PLUGS (PC)  
TO QUAD 3.5MM SOCKET

Code  
AD921



## 3.5MM MONO PLUG TO 2X RCA SOCKET

3.5mm plug to 2x RCA sockets

Code  
AD1130



## 3.5MM STEREO PLUG TO 2X RCA SOCKET

3.5mm stereo plug to 2x RCA sockets

Code  
AD1230



## 6.35MM MONO PLUG TO 2X RCA SOCKET

6.35mm plug to  
2x RCA sockets

Code  
AD2130



## 6.35MM STEREO PLUG TO 2X RCA SOCKET

6.35mm stereo plug to 2x RCA sockets

Code  
AD2230



## 6.35MM PLUG TO 2X 3.5MM SOCKET STEREO

6.35mm stereo plug to  
2x 3.5mm stereo sockets

Code  
AD2210



## 6.35MM STEREO PLUG TO 2X STEREO SOCKET

6.35mm stereo plug to  
2x 6.35mm stereo sockets

Code  
AD2220  
DHPA170



## 6.35MM MONO PLUG TO 2X 6.35MM MONO SOCKET

6.35mm plug to 2x 6.35mm sockets

Code  
AD2120



## RCA RIGHT ANGLE ADAPTOR

Order One To Receive A Pack of Two Plug to Socket **Pair** Gold Plated.

Type	QTY	Code
Short	2	AD962
Long	2	AD960



## RCA DOUBLE ADAPTOR

Order One To Receive A Pack of Two  
Gold Plated

QTY	Code
2	AD965



## RCA RIGHT-ANGLE ADAPTORS

Colour	Code
Black	AD44
Red	AD42



## RCA SOCKET TO 2X RCA SOCKET

RCA Socket to  
2x RCA Sockets

Code  
AD3131



## RCA PLUG TO 2X RCA SOCKET

RCA plug to 2x RCA sockets

Code  
AD3130



## RCA SOCKET TO RCA SOCKET

RCA socket to RCA socket Gold Plated

Code  
AD33



## RCA SOCKET TO RCA SOCKET DUAL

RCA socket Pair RCA socket Pair Gold Plated

Code  
AD34



## RCA SOCKET TO RCA SOCKET TRIPLE

RCA socket Triple RCA socket  
Triple Gold Plated

Code  
AD35



## RCA SOCKET TO RCA SOCKET GOLD PLATED

SOCKET TO SOCKET

Order One To Receive A Pack of Two

QTY	Code
2	AD955



## RCA PLUG TO RCA PLUG

PLUG TO PLUG

Code  
AD40



## RCA PLUG TO RCA PLUG GOLD PLATED

PLUG TO PLUG

Order One To Receive A Pack of Two

QTY	Code
2	AD950







# Cables & Connectors

## 6.35MM MONO PLUG TO XLR FEMALE

Jack Mono 6.3mm to XLR Female

Code  
DHMA290



## 6.35MM STEREO TO XLR FEMALE

Jack Stereo 6.3mm to XLR Female

Code  
DHMA295



## 6.35MM MONO PLUG TO XLR MALE

Jack Mono 6.3mm to XLR Male

Code  
DHMA300



## 6.35MM STEREO TO XLR MALE

Jack Stereo 6.3mm to XLR Male

Code  
DHMA305



## 6.35MM MONO SOCKET TO XLR MALE

Jack Mono 6.3mm Female to XLR Male

Code  
DHMA320



## 6.35MM STEREO SOCKET XLR MALE

Jack Stereo Female 6.3mm to XLR Male

Code  
DHMA615



## 6.35MM STEREO SOCKET TO XLR FEMALE

Jack Stereo Female 6.3mm to XLR Female

Code  
DHMA625



## 6.35MM JACK TO XLR FEMALE

Code  
DHMA310



## XLR MALE TO RCA SOCKET

Code  
DHMA500



## RCA PLUG TO XLR FEMALE

Code  
DHMA510



## 3PIN XLR FEMALE TO RCA SOCKET

Code  
AD977



## FEMALE TO FEMALE

Wired through pin 1-1, etc.

Code  
AC3F3FBW



## MALE TO MALE

Wired through pin 1-1, etc.

Code  
AC3M3MBW



## MALE TO FEMALE

Wired through pin 1-1, etc.

Code  
AC3F3MBW



## XLR TO RCA BALUN

XLR Female To RCA Socket  
Balanced 200Ω / 200Ω Unbalanced

Code  
NA2F-D2B-TX



## XLR TO RCA BALUN

XLR Male To RCA Socket  
Balanced 200Ω / 200Ω Unbalanced

Code  
NA2M-D2B-TX



## S-VIDEO JOINER SOCKET TO SOCKET

S-VHS Gender Changer  
Metal case. F to F.

Code  
AD4SVHS



## S-VIDEO MALE TO RCA SOCKET

Passive circuitry RCA  
Socket to SVHS Plug

Code  
SVHS322



## S-VIDEO SOCKET TO RCA PLUG

Passive circuitry RCA  
Plug to SVHS Socket

Code  
SVHS321



## SCART TO SVHS & COMPOSITE AUDIO/VIDEO

SCART to SVHS & Composite,  
Stereo, Input. Suit TV.

Code  
AD904



## SCART TO SVHS & COMPOSITE AUDIO/VIDEO

SCART to SVHS & Composite,  
Stereo In/Out Switchable

Code  
AD905



## SCART TO RGB/YUV

Input or Outputs to YUV or  
RGB 3x RCA (Only - No Audio)

Code  
AD906







## Communication

### PAL SOCKET TO PAL SOCKET

PAL coaxial joiner socket to socket

Code  
AD500



### PAL PLUG TO PAL PLUG

PAL coaxial joiner Plug to plug

Code  
AD511



### PAL PLUG TO PAL SOCKET

PAL coaxial joiner plug to socket

Code  
AD510



### PAL PLUG TO RCA SOCKET

PAL coax plug to RCA socket

Code  
AD513



### PAL PLUG TO BNC SOCKET

PAL coax plug to BNC socket

Code  
AD292



### PAL SOCKET TO RCA SOCKET

PAL coax socket to RCA socket

Code  
AD503



### PAL SOCKET TO RCA SOCKET PANEL MOUNT

Panel mount PAL  
Socket to RCA Socket

Code  
AD504



### PAL SOCKET TO RCA PLUG

PAL Socket to RCA Plug

Code  
AD505



### PAL SOCKET TO BNC PLUG

PAL Socket to BNC plug adaptor

Code  
AD235



### PAL SOCKET TO BNC SOCKET

PAL socket to  
BNC socket

Code  
AD294



### PAL SOCKET TO 3.5MM PLUG ADAPTOR

PAL Socket to 3.5mm  
Suit little TVs.

Code  
TVA25



### PAL SOCKET TO MCX MALE

PAL Socket to  
MCX Male

Code  
AD1151



### 'F' SOCKET RIGHT ANGLE TO PAL PLUG

Right Angle PAL plug to "F" socket

Code  
AD329



### 'F' PLUG TO PAL SOCKET

Plug adaptor "F" plug to PAL socket

Code  
AD310



### 'F' SOCKET TO PAL PLUG

'F' Socket to PAL plug

Code  
AD320



### 'F' SOCKET TO PAL SOCKET

F socket to PAL 75 ohm socket.

Code  
AD325



### 'F' SOCKET TO 'F' PLUG QUICK DISCONNECT

"F" Quick Disconnect Spring clamp  
"F" Plug to "F" Socket threaded

Code  
F72



### 'F' PLUG TO 'F' PLUG

F plug to F plug line joiner

Code  
AD315



### 'F' SOCKET TO 'F' SOCKET

Chassis or Line joiner

Length	Code
20mm	AD327
27mm	AD327L



### 'F' PLUG TO 'F' SOCKET RIGHT ANGLE

"F" Right Angle Male to Female

Code  
AD328



### 'F' SOCKET TO RCA MALE

"F" Female to RCA Male

Code  
AD340



### 'F' PLUG TO RCA SOCKET

"F" Male to RCA Female

Code  
AD330



### 'F' SOCKET TO BNC SOCKET

"F" Female to BNC Female

Code  
AD291



### "F" SOCKET TO MCX PLUG

Plug adaptor "F" Female to  
MCX Male

Code  
AD1152







## BNC PLUG TO RCA SOCKET

Plug adaptor BNC plug to RCA socket

Code  
AD230



## BNC SOCKET TO RCA PLUG

Plug adaptor RCA plug to BNC socket

Code  
AD260



## BNC PLUG TO 'F' SOCKET

Plug adaptor BNC plug to "F" socket

Code  
AD280



## BNC SOCKET TO 'F' PLUG

Plug adaptor "F" plug to BNC socket

Code  
AD290



## BNC PLUG TO BNC SOCKET RIGHT ANGLE

BNC "L"  
adaptor

Code  
P680



## BNC PLUG TO 2X BANANA SOCKET 'Y' ADAPTOR

Dual binding posts to  
BNC adaptor.

Code  
BP60



## BNC PLUG TO BNC PLUG

BNC adaptor 2 Male

Code  
AD1190



## BNC SOCKET TO BNC SOCKET

BNC adaptor 2 female silver plated

Code  
P694



## BNC SOCKET TO 2X BNC SOCKET "T" ADAPTOR

Silver plated BNC Y adaptor. All Female. F-F/F

Code  
P693



## BNC PLUG TO 2X BNC SOCKET "T" ADAPTOR

Silver plated BNC Y adaptor Male M-F/F

Code  
P695



## BNC PLUG TO 2X BNC SOCKET "Y" ADAPTOR

Silver plated BNC Y adaptor Male M-F/F

Code  
P697



## BNC SOCKET TO 2X BNC PLUG "T" ADAPTOR

Silver plated BNC  
Y adaptor Female F-M/M

Code  
P696



## BNC PLUG TO UHF SOCKET SO239

Plug adaptor BNC plug to SO239 socket

Code  
AD240



## BNC SOCKET TO UHF PLUG PL259

Plug adaptor PL259 plug to BNC socket

Code  
AD210



## SMA SOCKET TO BNC PLUG

SMA Female - BNC MALE

Code  
SMA430



## SMA PLUG TO BNC SOCKET

SMA male - BNC female

Code  
SMA230



## SMA SOCKET TO BNC SOCKET

SMA Female BNC Female

Code  
SFB148



## SMA SOCKET TO 'F' SOCKET

SMA FEMALE - "F" FEMALE

Code  
AD1106



## SMA PLUG TO 'F' SOCKET

SMA MALE - "F" FEMALE

Code  
AD1105



## SMA PLUG TO SMA PLUG

Plug adaptor SMA Plug to  
SMA Plug

Code  
AD1101



## SMA SOCKET TO SMA SOCKET

SMA Female to SMA Female

Code  
AD1102



## SMA SOCKET TO SMA SOCKET PANEL MOUNT

Panel Mountable SMA  
Female to SMA Female

Code  
SMA291



## SMA SOCKET TO SMA SOCKET PANEL MOUNT

Panel Mountable HEX Collar for Wall  
plates SMA Female to SMA Female

Code  
SMA292



## SMA PLUG TO SMA SOCKET RIGHT ANGLE

SMA male - female R/A

Code  
SMA390







## SMA SOCKET TO TNC SOCKET

TNC Female SMA Female

Code  
SMA452



## SMA PLUG TO TNC SOCKET

SMA male - TNC female

Code  
SMA150



## SMA PLUG TO FME SOCKET

Plug adaptor SMA Plug to  
FME Socket

Code  
AD1103



## SMA PLUG TO FME PLUG

Plug adaptor SMA Plug to  
FME Plug

Code  
AD1112



## SMA PLUG TO REVERSE SMA PLUG

Plug adaptor SMA Plug to  
SMA-RP Plug

Code  
AD1003



## SMA PLUG TO REVERSE SMA SOCKET

Plug adaptor SMA Plug to  
SMA-RP Socket

Code  
AD1008



## SMA PLUG TO 'N' PLUG

Plug adaptor SMA Plug to "N" Plug

Code  
AD1072



## SMA PLUG TO 'N' SOCKET

Plug adaptor SMA Plug to  
"N" Socket

Code  
AD1074



## SMA SOCKET TO FME SOCKET

Plug adaptor SMA Socket to  
FME Socket

Code  
AD1104



## SMA SOCKET TO REVERSE SMA PLUG

Plug adaptor SMA Socket  
to SMA-RP Plug

Code  
AD1002



## SMA SOCKET TO REVERSE TNC PLUG

Plug adaptor SMA Socket to TNC-RP Plug

Code  
AD1043



## SMA SOCKET TO REVERSE TNC SOCKET

Plug adaptor SMA Socket to TNC-RP Socket

Code  
AD1045



## SMA SOCKET TO 'N' SOCKET

Plug adaptor SMA Socket to  
"N" Socket

Code  
AD1073



## SMA SOCKET TO MCX PLUG

Plug Adaptor SMA Socket to  
MCX plug

Code  
AD1140



## SMA SOCKET TO MMCX PLUG

Plug Adaptor SMA Socket to  
MMCX plug

Code  
AD1120



## SMA SOCKET TO MMCX SOCKET

Plug Adaptor SMA Socket to  
MMCX Socket

Code  
AD1121



## SMA SOCKET TO REVERSE SMA SOCKET

Plug adaptor SMA Socket to SMA-RP Socket

Code  
AD1007



## SMA SOCKET TO "N" PLUG

Plug adaptor SMA Socket to "N" Plug

Code  
AD1071



## SMA SOCKET TO TNC PLUG

SMA female - TNC Male

Code  
SMA451



## SMA PLUG TO REVERSE TNC SOCKET

Plug adaptor SMA Plug to  
TNC-RP Socket

Code  
AD1046



## SMC PLUG TO SMA SOCKET

Code  
AD1013



## REVERSE SMA SOCKET TO SMA PLUG

Plug adaptor SMA-RP Socket to SMA Plug

Code  
AD1008



## REVERSE SMA SOCKET TO SMA SOCKET

Plug adaptor SMA-RP  
Socket to SMA Socket

Code  
AD1007



## REVERSE SMA PLUG TO SMA PLUG

Plug adaptor SMA-RP Plug to SMA Plug

Code  
AD1003







## REVERSE SMA PLUG TO REVERSE SMA PLUG

Plug adaptor SMA-RP  
Plug to SMA-RP Plug

Code  
AD1011



## REVERSE SMA SOCKET TO REVERSE SMA SOCKET

Plug adaptor SMA-RP Socket  
to SMA-RP Socket

Code  
AD1010



## REVERSE SMA SOCKET TO MMCX PLUG

Plug Adaptor SMA-RP Male to  
MMCX Male

Code  
AD1122



## REVERSE SMA SOCKET TO MCX PLUG

Plug adaptor SMA-RP Female  
to MCX Male

Code  
AD1143



## REVERSE SMA SOCKET TO REVERSE TNC PLUG

Plug adaptor SMA-RP Socket  
to TNC-RP Plug

Code  
AD1009



## REVERSE SMA PLUG TO "N" PLUG

Plug adaptor SMA-RP Plug to "N" Plug

Code  
AD1001



## REVERSE SMA PLUG TO REVERSE TNC SOCKET

Plug adaptor SMA-RP Plug  
to TNC-RP Socket

Code  
AD1004



## REVERSE SMA PLUG TO "N" SOCKET

Plug adaptor SMA-RP  
Plug to "N" Socket

Code  
AD1012



## REVERSE SMA SOCKET TO "N" SOCKET

Plug adaptor "N" Socket to SMA-RP Socket

Code  
AD1005



## REVERSE SMA SOCKET TO "N" PLUG

Plug adaptor SMA-RP Socket to "N" Plug

Code  
AD1006



## FME PLUG TO SMA PLUG

Plug adaptor FME Plug to SMA Plug

Code  
AD1112



## FME PLUG TO "N" PLUG

FME Male to N Male

Code  
FME160



## FME MALE TO FEMALE RIGHT ANGLE

Code  
FME122



## FME PLUG TO FME PLUG

FME-FME Male/male

Code  
FME120



## FME SOCKET TO FME SOCKET

Plug adaptor FME Socket to FME Socket

Code  
AD1111



## FME SOCKET TO TNC SOCKET

TNC Female to FME Female

Code  
FME110



## FME PLUG TO TNC PLUG

FME-TNC Male/male

Code  
FME130



## FME PLUG TO BNC PLUG

FME-BNC Male/male

Code  
FME140



## FME SOCKET TO BNC SOCKET

FME Female to BNC Female

Code  
FME145



## FME SOCKET TO BNC PLUG

FME Female to BNC Male

Code  
FME146



## FME PLUG TO MINI UHF PLUG SHORT

FME-Mini UHF Male to male

Code  
FME150



## FME PLUG TO MINI UHF PLUG LONG

FME-Mini UHF Male to male

Code  
FME265



## FME SOCKET TO MINI UHF SOCKET

FME-Mini UHF Female to female

Code  
FME250



## FME PLUG TO UHF PLUG PL259

FME Male to PL259 Male

Code  
FME259







## TNC SOCKET TO TNC PLUG QUICK DISCONNECT

TNC Female to TNC Push-On  
Male Quick disconnect

Code  
TNC75



## TNC SOCKET TO TNC SOCKET

TNC female to female  
inline adaptor.

Code  
TNC262



## TNC TO TNC ADAPTORS

Type	Code
"T" Adaptor	TNC224
"L" Adaptor	TNC240



## TNC SOCKET TO TNC SOCKET PANEL MOUNT

TNC female to female  
with mounting nut.

Code  
TNC246



## TNC SOCKET TO BNC PLUG

TNC female to  
BNC plug adaptor.

Code  
TNC254



## TNC SOCKET TO BNC SOCKET

TNC Female to  
BNC Female

Code  
AD1175



## TNC PLUG TO BNC SOCKET

TNC male to BNC  
female adaptor.

Code  
TNC268



## TNC PLUG TO MINI UHF SOCKET

TNC male adaptor to  
mini-UHF M259 female

Code  
TNC274



## TNC PLUG TO "N" SOCKET

TNC MALE  
"N" FEMALE

Code  
TNC278



## TNC SOCKET TO SMA PLUG

TNC female -SMA male

Code  
SMA150



## TNC SOCKET TO SMA SOCKET

TNC Female SMA Female

Code  
SMA452



## TNC SOCKET TO MINI UHF PLUG

TNC female - Mini UHF male

Code  
MUF250



## REVERSE TNC FEMALE to "N" SOCKET

Plug adaptor "N" Socket to  
TNC-RP Plug

Code  
AD1041



## REVERSE TNC MALE TO "N" SOCKET

Code  
AD1049



## REVERSE TNC PLUG TO "N" SOCKET

Plug adaptor TNC-RP Plug  
to "N" Socket

Code  
AD1041



## REVERSE TNC PLUG TO "N" PLUG

Plug adaptor TNC-RP Plug  
to "N" Plug

Code  
AD1042



## REVERSE TNC PLUG TO SMA SOCKET

Plug adaptor TNC-RP  
Plug to SMA Socket

Code  
AD1043



## REVERSE TNC PLUG TO REVERSE TNC PLUG

Plug adaptor TNC-RP Plug  
to TNC-RP Plug

Code  
AD1047



## REVERSE TNC PLUG TO REVERSE SMA SOCKET

Plug adaptor TNC-RP Plug to  
SMA-RP Socket

Code  
AD1009



## REVERSE TNC SOCKET TO "N" PLUG

Plug adaptor TNC-RP  
Socket to "N" Plug

Code  
AD1044



## REVERSE TNC SOCKET TO SMA SOCKET

Plug adaptor TNC-RP  
Socket to SMA Socket

Code  
AD1045



## REVERSE TNC SOCKET TO SMA PLUG

Plug adaptor TNC-RP  
Socket to SMA Plug

Code  
AD1046



## REVERSE TNC SOCKET TO REVERSE TNC SOCKET

Plug adaptor TNC-RP  
Socket to TNC-RP Socket

Code  
AD1048



## REVERSE TNC SOCKET TO REVERSE SMA PLUG

Plug adaptor TNC-RP  
Socket to SMA-RP Plug

Code  
AD1004







## "N" PLUG TO "N" PLUG

"N" male to male  
inline adaptor.

Code  
N130



## "N" TO "N" ADAPTORS

"N" female to female inline adaptor.

Type	Code
F-F	N135
"T"	N140



## "N" 2 WAY CAVITY WIDE-BAND SPLITTER

All "N" Female. Low loss.  
800MHz - 2500MHz.

Code  
N141



## "N" SOCKET TO BNC PLUG

BNC Male to  
"N" Female

Code  
N156



## "N" PLUG TO BNC SOCKET

"N" male to BNC  
female adaptor.

Code  
N155



## "N" PLUG TO BNC PLUG

"N" male to BNC male adaptor

Code  
N157



## "N" PLUG TO UHF SOCKET SO239

"N" male to  
SO239 Female adaptor.

Code  
N160



## "N" SOCKET TO TNC SOCKET

Code  
TNC279



## "N" PLUG TO "F" SOCKET

"N" male to "F" female adaptor

Code  
AD1050



## "N" SOCKET TO UHF PLUG PL259

Plug adaptor PL259 Male to  
"N" Socket

Code  
AD1076



## "N" SOCKET TO FME PLUG

N Female to FME Male Adaptor

Code  
AD1145



## "N" PLUG TO SMA SOCKET

Plug adaptor "N" Plug to  
SMA Socket

Code  
AD1071



## "N" PLUG TO SMA PLUG

Plug adaptor "N" Plug to  
SMA Plug

Code  
AD1072



## "N" PLUG TO REVERSE SMA PLUG

Plug adaptor SMA-RP Plug to  
"N" Plug

Code  
AD1001



## "N" PLUG TO REVERSE SMA SOCKET

Plug adaptor "N" Plug to  
SMA-RP Socket

Code  
AD1006



## "N" SOCKET TO SMA SOCKET

Plug adaptor "N" Socket to  
SMA Socket

Code  
AD1073



## "N" SOCKET TO SMA PLUG

Plug adaptor "N" Socket to  
SMA Plug

Code  
AD1074



## "N" SOCKET TO FME SOCKET

Plug adaptor "N" Socket to  
FME Socket

Code  
AD1075



## "N" SOCKET TO REVERSE SMA SOCKET

Plug adaptor SMA-RP Socket to  
"N" Socket

Code  
AD1005



## "N" SOCKET TO REVERSE SMA PLUG

Plug adaptor "N" Socket to  
SMA-RP Plug

Code  
AD1012



## "N" PLUG TO MCX PLUG

Plug adaptor "N" Male to  
MCX Male

Code  
AD1141



## "N" SOCKET TO MCX PLUG

Plug adaptor "N" Socket to  
MCX Plug

Code  
AD1142



## "N" PLUG TO REVERSE TNC PLUG

Plug adaptor "N" Plug to  
TNC-RP Plug

Code  
AD1042



## "N" PLUG TO REVERSE TNC SOCKET

Plug adaptor "N" Plug to  
TNC-RP Socket

Code  
AD1044







## UHF PLUG PL259 TO UHF PLUG PL259

PL259 To PL259

Code  
AD2259



## UHF PLUG PL259 TO UHF SOCKET SO239

Right-Angle PL259  
To SO239 Adaptor.

Code  
AD259RA



## UHF PLUG PL259 TO 2X UHF SOCKET SO239

PL259 UHF Plug To 2x  
SO239 "T" Adaptor.

Code  
PL259T



## UHF SOCKET SO239 'T' ADAPTOR

SO239 UHF x3 "T" Adaptor

Code  
P698



## UHF PLUG PL259 TO BNC SOCKET

Plug adaptor PL259 plug to BNC socket

Code  
AD210



## UHF PLUG PL259 TO RCA SOCKET

Plug adaptor PL259 plug to RCA socket

Code  
AD220



## UHF SOCKET SO239 TO BNC PLUG

Plug adaptor BNC plug to SO239 socket

Code  
AD240



## UHF SOCKET SO239 TO RCA PLUG

Plug adaptor RCA plug to SO239 socket

Code  
AD270



## UHF SOCKET SO239 TO SMA PLUG

Plug Adaptor SMA Male to SO239 UHF

Code  
AD312



## MINI UHF PLUG TO UHF SOCKET SO239

Mini UHF male to UHF  
PL259 female

Code  
MUF379



## MINI UHF PLUG TO MINI UHF SOCKET

M259 Plug-socket right angle.

Code  
M259RA



## UHF SOCKET SO239 TO UHF SOCKET SO239

Female to female SO239 to SO239

Code  
PL258



## MINI UHF SOCKET TO SMA SOCKET

Mini UHF-SMA F/F

Code  
SMA319



## MINI UHF PLUG TO TNC SOCKET

Mini UHF male - TNC female adaptor.

Code  
MUF250



## MINI UHF PLUG TO BNC SOCKET

Mini UHF Male - BNC  
female adaptor.

Code  
MUF339



## MINI UHF SOCKET TO BNC PLUG

Mini UHF Female - BNC  
male adaptor.

Code  
MUF439



## UHF SOCKET SO239 TO BNC SOCKET

BNC Female To UHF Female SO239

Code  
AD241



## End Caps

### BNC END CAP

#### MALE

With chain

Code  
CP-BNC-M



### BNC END CAP

#### FEMALE

Cap is Female

Code  
CP-BNC-F



### N END CAP

#### MALE

No centre pin

Code  
CP-N-M



### N END CAP

#### FEMALE

Seals & protects

Code  
CP-N-F



### UHF END CAP

#### PL259 MALE

Close out dirt

Code  
CP-UHF-M



### UHF END CAP

#### SO239 FEMALE

W/ retaining chain

Code  
CP-UHF-F







# Cables & Connectors

## Connectors

## Wall Plates

### VGA & 3.5mm

VGA D15 Female  
3.5mm Stereo Socket

Code PK3307

Right Angle

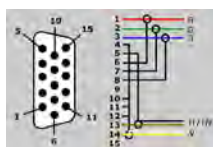
Code PK3309



### VGA - SCREW TERMINAL

Code

WP310



### VGA & AUDIO

Clipsal® Compatible  
D15HD VGA and Dual  
RCA Sockets Rear are  
all Sockets to Sockets  
With 3.5mm adaptor

Code WPD15FSA



### VGA + HDMI + PC

HDMI, VGA,  
Stereo 3.5mm,  
3x RCA.

Code

PRO1310



### VGA USB

VGA, 3.5mm Stereo,  
USB

Code

PRO1314



### VGA USB +

USB, VGA,  
3.5mm Stereo  
and 3x RCA.

Code

PRO1309



### HDMI - RIGHT ANGLE ADAPTOR

Socket to Right/Angle OR  
2x Sockets to Right/Angle

Type Single Double

Code WP-HDMI1 WP-HDMI2



### HDMI - PIGTAIL OR ADAPTOR

Socket To Socket

Type Socket Pigtail

Code WP-HDMI21 WP-HDMI21PT



### HDMI DOUBLE

2x Socket to Socket

Type Socket Pigtail

Code WP-HDMI22 WP-HDMI22PT



### HDMI + "F"

HDMI WITH "F" CONNECTOR

Type Socket Pigtail

Code WP-HDMI28 WP-HDMI28PT



### HDMI COMPONENT

HDMI WITH 3x RCA SOCKETS

Type Socket Pigtail

Code WP-HDMI24 WP-HDMI24PT



### HDMI + A/V

HDMI WITH 3x RCA SOCKETS

Type Socket Pigtail

Code WP-HDMI26 WP-HDMI26PT







## SINGLE "F" CONNECTOR

### GOLD PLATED CONNECTOR

Code  
SA1F



## SINGLE RCA SOCKET

### 1x RCA SOCKET. GOLD PLATED CONNECTORS

Code  
SA1R



## DUAL RCA SOCKETS

### 2x RCA SOCKETS. GOLD PLATED.

Code  
SA2R



## TRIPLE RCA SOCKETS

### GOLD PLATED CONNECTORS

Code  
SA3R



## 'F' & DUAL RCA SOCKETS

### GOLD PLATED CONNECTORS

Code  
SA1F2R



## 'F' & TRIPLE RCA SOCKETS

### GOLD PLATED CONNECTORS

Code  
SA1F3R



## DUAL BANANA SOCKETS

### GOLD PLATED CONNECTORS

Code  
SA2BJ



## QUAD BANANA

### 4x BANANA SOCKETS

Gold plated connectors.  
Suitable for up to 12 Awg speaker cable

Code  
SA4BJ



## PHONE & DATA WALL PLATE

### PUNCH DOWN

With RJ12 & RJ45 connector.

Code  
SA1T1D



## 'F' PHONE & DATA WALL PLATE

### PUNCH DOWN

'F' connector with RJ12 & RJ45 Connector

Code  
SA1T1D1F

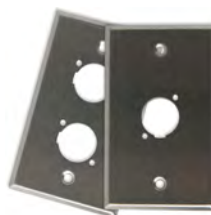


## XLR WALL PLATE

### STAINLESS STEEL

Type	Code
Single	XLRP1
Double	XLRP2

71x115mm.  
Hole diam. 24mmØ  
XLR Sockets available separately.



## BNC WALL PLATES

Terminates to solder type terminals.  
White face plate  
Standard size

Plug	Code
1x BNC	BNCP1
2x BNC	BNCP2



## DVI WALL PLATE

### SOCKET TO SOCKET

Code WPD29DF



## "D" TYPE WALL PLATES

Front	Back	Type	Code
D9F	Solder	Single	WPD9F
D9F	Solder	Dual	WP2D9F
D9F	Screw	Single	WP310
D15F	Solder	Single	WPD15F
D15F	Solder	Dual	WPD15F2
D15F	D15F	Single	WPD15DF
D15F	D15F	Dual	WPD15DF2
D25F	Solder	Single	WD25F

## PAL ENTRY BOX

### SADDLE & SCREW

Coax screw in - 75Ω out  
Saddle & Screw Back.

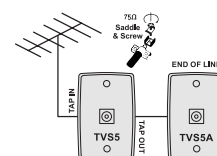
Code  
TVS3



## WALL PLATE PAL DAISY-CHAIN

Flush mount screw terminated. 75Ω I/O  
Includes Tap-off for multiple installations.  
Daisy-chain impedance matching system:

Code  
TVS5  
TVS5A



## PAL SOCKET

### "F" BACK

PAL Socket front to "F" Socket back.

Code  
TVS65



### SADDLE & SCREW

Code  
TVS5A

## DOUBLE WALL PLATE PAL

Flush mount 1x75Ω  
Coax input to splitter & 2x 75Ω sockets.

Code  
TVS6



## TV/FM SPLITTER SOCKET

Single saddle & screw to two 75Ω PAL Sockets.  
One socket goes direct to TV and the other is filtered for the FM band to reduce interference.

Code  
TVS67



## "F" WALL SOCKET

"F" to "F" sockets through plate for minimum loss.  
Teflon insulator.

Code  
TVS60

PAY TV APPROVED



## "F" ENTRY BOX

"F" to "F" sockets through plate for minimum loss.  
Teflon insulator.

Code  
TVS70S







# Cables & Connectors

## WALL PLATE BLANK

None of the above suitable.  
You could make your own.

**Code**  
WBP10



## PLASTER MOUNTING BRACKET

Plaster board type.

**Code**  
UMB5



## WALL PLATE L BRACKET

**Code**  
UMB10



## MOUNTING BRACKET LARGE

**Code**  
UMB12



## WALL PLATE STAND-OFFS 13mm

UNIVERSAL TYPES  
Suits Most Power Points  
and TV Wall Plates

**Code**  
MBL2



## WALL PLATE STAND-OFFS 35mm

UNIVERSAL TYPES  
Suits Most Power Points  
and TV Wall Plates

**Code**  
MBL1



## BACKING BOX

UNIVERSAL TYPE  
Suits TV Wall Plates  
& Power Points, etc.

Colour	Code
Black	MWB10
Beige	MWB11



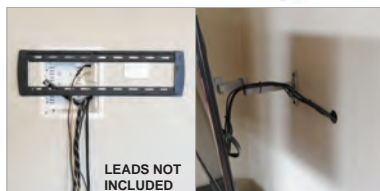
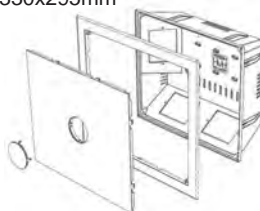
## RECESSED HIDDEN MEDIA HUB

### HIDES UP TO 5 WALL PLATES

- Box Dimensions: 285x250x70mm
- Can hold up to 5 standard face plates
- Store units like HDMI converters, etc.
- Paintable facia 330x295mm

**Code**  
MHUB1

Supplied empty.



## RECESSED POWER POINT

Compatible with all wall outlets,  
(Does not include wall outlet itself).  
Metal bracket. White.  
70mm/90mm depth.

**Code**  
WP-REC1



## RECESSED WALL - 2X INSERTS

### CLIPSAL® COMPATIBLE INSERTS x2

**Code**  
AV-RPS02

Face: 185x145mm  
Cutout: 166x100mm  
Depth: 60mm



## RECESSED 240V POWER OUTLET

### SINGLE OUTLET 60mm

**Code**  
AV-RPS01



## CABLE-DROP HOOD

### WALL PLATE OPENING (REVERSE TYPE)

Hood for bringing out cable from wall.  
Horizontal Mounting  
Wall Plate: 70x115mm

Hole	Colour	Code
35x65mm	White	WPHOOD1R
35x65mm	Black	WP-HOOD2R



## CABLE-DROP HOOD

### CLIPSAL® STYLE

Includes a Flush and Bull-nose facia for a cable management wall plate where you simply swap out the type required, so now you only need to carry the one product item. Includes built-in nylon brush dust screen. Available in Black or White.

Plate 73x120mm  
Hole 27x50mm

Colour	Code
White	WP-HOOD21
Black	WP-HOOD22



LEADS NOT INCLUDED

## CABLE DROP HOOD

Horizontal wall plate Clipsal® Compatible. Feed cables neatly into a wall cavity. Plate 70x115mm Two Piece Type.  
New! Slim Version



REAR BRUSH COVER  
LEADS NOT INCLUDED

Hole	Colour	Code
35x65mm	White	WP-HOOD1
35x65mm	Black	WP-HOOD2
15x50mm	White	WP-HOOD3

## CABLE WALL PLATE

### CLIPSAL® COMPATIBLE

Allows wall cavity access with dust resistant and neat cable solution.

Hole	Code
53x19mm	PRO1272
53x30mm	WP63



## SILICON INGRESS BOOT

### REMOVABLE BULL NOSE COVER

**Code**  
WP61



## SILICONE INGRESS BOOT +2

CLIPSAL® INSERT COMPATIBLE  
WITH 2 BLANK INSERTS

**Code**  
WP62







## WALL PLATE - SINGLE

Quality Wall plate  
Flush mounting  
Standard size  
Requires inserts

Code  
WP321



## WALL PLATE - DOUBLE

Quality Wall plate  
Flush mounting  
Standard size  
Requires inserts

Code  
WP322



## WALL PLATE - TRIPLE

Quality Wall plate  
Flush mounting  
Standard size  
Requires inserts

Code  
WP323



## WALL PLATE - QUAD

Quality Wall plate  
Flush mounting  
Standard size  
Requires inserts

Code  
WP324



## WALL PLATE - HEX

Quality Wall plate  
Flush mounting  
Standard size  
Requires inserts

Code  
WP326



## BLANK INSERT

Blank off a  
spare wall plate  
hole for future  
expansion.

Code  
WPI00



## COMMUNICATIONS PORT

### RJ45 CAT5/6 PUSH-DOWN

Collar	Code
White	WPI52
Red	WPI54
Yellow	WPI56

### RJ12 TELEPHONE

Code  
WPI50



### FACE COLLAR ONLY

Code  
WPIN-JACK

## PAL TO "F" INSERT

Professional Quality  
Fast installation  
PAL Socket with "F"  
Screw rear.

Code  
WPI12



## "F" TO "F" INSERT

Professional Quality  
Fast installation  
"F" Socket front "F"  
Socket Rear.

Code  
WPI20



## SMA TO SMA INSERT

Professional Quality  
Fast installation  
SMA Socket front  
SMA Socket Rear.

Code  
WPI22



## BNC TO "F" INSERT

Professional Quality  
Fast installation  
BNC Socket with  
"F" Type Socket  
Rear for crimp type  
solution.

Code  
WPI60



## HDMI

**HDMI SOCKET**  
Socket to Socket  
Gold plated pins

Code  
WPI95



## RCA SOCKET TO "F"

RCA Front - "F" Socket rear.

Colour	Code
Red	WPI80
Green	WPI82
Blue	WPI84
Yellow	WPI86
White	WPI87



## RCA SOCKET [SINGLE]

**RCA Yellow (Video)**  
Rear Solder terminals

Code  
WPI31

**Black Socket To Socket**

Code  
WPI32



## AUDIO PAIR [L&R]

**RED & WHITE RCA PAIR**  
Professional Quality Fast  
installation Two items  
supplied. Rear soldering  
terminals.

Code  
WPI30



## RCA TRIPLE [RGB]

**RED GREEN BLUE RCA**  
Professional Quality Fast  
installation RCA Sockets  
with Solder terminals.  
Three items supplied.

Code  
WPI33



## S-VIDEO

**4-PIN MINI-DIN**  
Socket to Socket  
Gold plated

Code  
WPI70



## 4MM BINDING POSTS X2

**RED & BLACK PAIR**  
Gold plated speaker  
terminals for bare wire  
connection or 4mm  
Banana plugs. Screw  
terminals.

Code  
WPI40







# Cables & Connectors

## CLIPSAL® COMPATIBLE WALL PLATES 2000

White 118x72mm Two piece plate.

Type	Code
1way	CWP01
2way	CWP02
3way	CWP03
4way	CWP04
5way	CWP05
6way	CWP06



## CLIPSAL® COMPATIBLE WALL PLATES CLASSIC

White 116x75mm. Two piece wallplate.

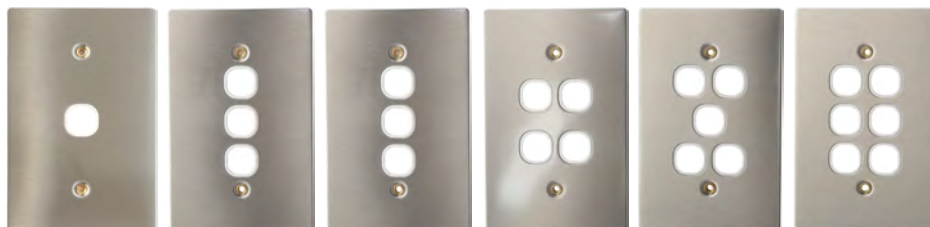
Type	Code
1	CWP-201
2	CWP-202
3	CWP-203
4	CWP-204
5	CWP-205
6	CWP-206



## CLIPSAL® COMPATIBLE WALL PLATES METAL

Stainless steel wall plate.  
Size: 87x136mm 1mm thick.

Type	Code
1	WPSS-1
2	WPSS-2
3	WPSS-3
4	WPSS-4
5	WPSS-5
6	WPSS-6



## CLIPSAL® COMPATIBLE WITH LABEL SINGLE

Standard White 118x72mm Premium  
Two piece plate Single hole for inserts.  
Paper label with plastic cover.

Code
WPL100



## CLIPSAL® COMPATIBLE WITH LABEL DOUBLE

White 118x72mm Two piece plate.  
Paper label with plastic cover.

Code
WPL200



## CLIPSAL® COMPATIBLE WALL PLATE BLANK

### CLIPSAL® COMPATIBLE

Blank wall plate future expansion or  
customisation. Hole punch markers.  
10mm Thick is standard  
8mm Thick is low profile

Size	Code
120x76x10	CWP-001
120x76x8	CWP00



## CLIPSAL® COMPATIBLE WALL PLATE ARCHITRAVE

### CLIPSAL® STYLE

Accepts a switch or any of the following  
inserts. Surrounds hides screws and eases  
painting. Compatible with Clipsal® 2000 series.

Type	Code
1	CWP101
2	CWP102



## RCA TO SOLDER

CLIPSAL® COMPATIBLE  
Gold Plated. Solder back.

Colour	Code
Black	WPI231
White	WPI232
Red	WPI233
Green	WPI234
Blue	WPI235
Yellow	WPI236



## RCA TO "F"

Colour	Code
Black	WPI281
White	WPI282
Red	WPI283
Green	WPI284
Blue	WPI285
Yellow	WPI286



### CLIPSAL® COMPATIBLE

## RCA TO "F" FLUSH

Colour	Code
Black	WPI211
White	WPI212
Red	WPI213
Green	WPI214
Blue	WPI215
Yellow	WPI216



## PAL TO "F"

### "F" REAR

PAL Socket to  
"F" Socket Quick  
install Flush mount

Code
WPI250



## RCA TO RCA INSERT

### GOLD PLATED

Colour	Code
Black	WPI321
White	WPI322
Red	WPI323
Green	WPI324
Blue	WPI325
Yellow	WPI326



## PAL TO "F" R/A

### CLIPSAL® COMPATIBLE "F" R/A

PAL Socket to "F"  
Socket Quick install

Code
WPI251



## RCA TO RCA

### CHROMIUM

Colour	Code
Black	WPI221
White	WPI222
Red	WPI223
Green	WPI224
Blue	WPI225
Yellow	WPI226



## S-VIDEO

4 Pin Mini-Din  
Socket to Socket

Code
WPI260



## BLANK - CLIPSAL® COMPATIBLE

For blanking off  
empty unused holes  
or for custom fitting  
connectors

Code
WPI200



### CLIPSAL® COMPATIBLE

CLIPSAL® COMPATIBLE





## BNC TO BNC

### BNC REAR

BNC Socket to  
BNC Socket  
Quick install  
Wide-bandwidth

Code  
WPI255



## BNC TO "F"

### "F" REAR

BNC Socket to  
F" Socket Quick  
install Wide-  
bandwidth

Code  
WPI265



## "F" TO "F"

PAY-TV Approved  
Chrome Wide-Band  
Socket to socket

Code  
WPI245



## SMA TO SMA

### SMA REAR

SMA Socket to  
SMA Socket  
Wide-bandwidth

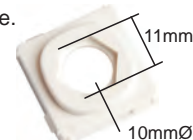
Code  
WPI290



## HEX INSERT

Blank empty receptacle.

Code  
WPI201



## SPEAKER BINDING POST 4mm

Gold plated post  
Colour ID Band  
4mm plug entry or  
Screw side-entry  
Loose speaker wire

Colour	Code
Red	WPI271
Black	WPI272



## 3.5mm STEREO INSERT

### CLIPSAL 2000 COMPATIBLE

3.5mm Stereo  
female to 3.5mm  
stereo female with  
20cm pig-tail.

Code  
WPI299



## VGA UNIVERSAL

### CLIPSAL® COMPATIBLE

VGA Socket plus  
4 blank sockets for  
customisation.  
Includes blanking  
caps.

Code  
WPI401



## CAT5E CLIPSAL® COMPATIBLE

### RJ45 WALL INSERT 8P8C

Code  
KJ5-26



## CAT5e CLIPSAL® COMPATIBLE

### CLIPSAL® COMPATIBLE

Punch tool insert 8P8C  
Certified CAT5e Compliant.

Colour	Code
White	DA103WHT
Black	DA103BLK
Red	DA103RED
Blue	DA103BLU
Yellow	DA103YEL
Green	DA103GRN



## CAT6 CLIPSAL® COMPATIBLE

### RJ45 WALL INSERT 8P8C

Code  
KJ6-09



## CAT6 CLIPSAL® COMPATIBLE

### CLIPSAL® COMPATIBLE

Punch tool insert 8P8C  
Certified CAT6 Compliant.

Colour	Code
White	DA600WHT
Black	DA600BLK
Red	DA600RED
Blue	DA600BLU
Yellow	DA600YEL
Green	DA600GRN



## CAT5e THROUGH - CSM/CLIPSAL

### CSM & CLIPSAL® COMPATIBLE

CAT-5e Ethernet RJ45  
8-Pin Socket to Socket  
CSM & Clipsal Adaptor

Code  
WPI241



## CABLE JOINER

### PUNCH TOOL TYPE

Krone® 110 compatible  
Eight in / Eight out  
Enclosed case  
50x25mm



Type	Colour	Size	Code
CAT5e	White	48x25x25mm	DA215C5E
CAT6	White	48x25x25mm	DA215C6
CAT6	Black	84x36x24mm	LY-SB33

## USB 3.0 SOCKET

### CLIPSAL® COMPATIBLE

USB 2.0 & 3.0  
150mm Dongle  
Socket to Socket  
Round or Flat cable.

Type	Code
Round	WPI298
Flat	WPI398



## CAT3 VOICE JACK 4 PINS 3456

### CLIPSAL® COMPATIBLE

Punch tool insert  
as used in voice  
communications.  
2 line / Dual  
Appearance  
Certified CAT3



Socket	Colour	Code
8P4C	White	DT100WHT
8P4C	Black	DT100BLK
8P4C	Blue	DT100BLU

## CAT3 VOICE JACK 4 PINS 2345

### CLIPSAL® COMPATIBLE

Punch tool insert 2 line  
/ 2 appearance  
as used in voice  
communications.  
Certified CAT3  
4 Pins wired



Socket	Colour	Code
6P4C	White	TD1006P

## CAT3 VOICE JACK 2 PINS 45

### CLIPSAL® COMPATIBLE

As used in voice  
communications.  
Certified CAT3  
2 Pins wired  
Single line Dual  
appearance



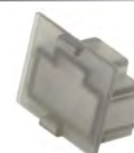
Socket	Colour	Code
8P2C	White	DT1002WHT

## RJ45 CAT5e 8P8C CAP

### PUNCH DOWN

Dust cap

Code  
CSM-CVR



## HDMI DONGLE

HDMI 1.4 Compliant Socket to  
socket 150mm long lead. Gold  
plated pins. Flat or round cable.

Type	Code
Round	WPI297
Flat	WPI397



## HDMI INSERT

### CLIPSAL® COMPATIBLE

Socket to Socket Gold  
plated pins Inline type

Code  
WPI295



## HDMI INSERT R/A

### CLIPSAL® COMPATIBLE

Socket to Socket Gold  
plated pins Right-Angle

Code  
WPI296







## WALL PLATES MODULAR PRO2

### UNIVERSAL PLATE AND INSERTS TO SUIT

Pro2 understand that each job is different and each setup is unique. So that's why Pro2 created the MW13 modular wall plate range. Need 2 HDMI sockets and a Foxtel point on the wall? No problem, just pick your parts and assemble your own. Need to replace an old USB2 port with USB3? Just swap out the old one and replace it with the new without touching any other connector. With our modular design you can simply mix and match up to 3 modules to suit your needs. They snap on tightly and securely giving a perfect finish, each time.

#### STEP 1

Grab the MW13FR blank frame

#### STEP 2

Choose up to 3 modules to make the exact wall plate you need

Easy!



**FRAME WALL PLATE**

MW13FR

➤ Suits all MW13 type inserts

➤ Fits 3 inserts or 1 brush module



**BRUSH MODULE**

MW13BR



**Pro.2**  
Providing AV Solutions

Mix and match  
3 modules and  
create your  
own design!

## MODULAR WALL PLATE FRAME PRO2

### AUSTRALIAN STANDARD SIZE WALL PLATE

The Pro2 modular wall plate allows users to pick and assemble any outlets they need on their wall plate. This wall plate frame allows users to add 3x Pro2 wall plate modules to it. The modular design allows great flexibility to mix and match the modules to suit their needs. And the modules can be snapped to the wall plate frame with ease, simple installation and perfect finish. Size: 116x75x13mm



Code

MW13FR

## BRUSH MODULE PRO2

The Pro2 brush module fits perfectly with the Pro2 wall plate frame. It occupies 3 module positions on the wall plate frame.

The brush module allows cable to enter the wall cavity without the cable of an interconnect wall plates. The brush helps to keep the dust away.

Brush dimension: 54x30mm

Code

MW13BR



## RCA MODULE PRO2

Pro2 RCA sockets to RCA sockets wall plate insert modules.

Available for Video, Stereo and AV Module to suit your application.

To suit Pro2 Modular wall plate.

Panel Size: 47x24x11mm

Connector Dimensions: 32x8mmØ

Types

Code

RCA Video Module MWI13RCA1

RCA Stereo Module MWI13RCA2

RCA AV Module MWI13RCA3



## "F" TYPE FOXTEL APPROVED MODULE PRO2

Pro2 F-type sockets to F-type sockets wall plate insert module.

Foxtel Approved

Available in single or double

To suit Pro2 Modular wall plate.

Panel Size: 47x24x11mm

Types

Code

Single F-Type Connector MWI13FF

Double F-Type Connector MWI13FF2



## RGB MODULE PRO2

Pro2 Component RCA sockets to Component RCA sockets wall plate insert module.

To suit Pro2 Modular wall plate.

Panel Size: 47x24x11mm

Gold plated connectors

Connector Dimensions: 32x8mmØ

Code

MW13RGB



## PAL MODULE PRO2

Pro2 PAL socket to F-type socket wall plate insert module.

To suit Pro2 Modular wall plate.

Panel Size: 47x24x11mm

Code

MW13PF







## TOSLINK MODULE PRO2

Pro2 Toslink socket to toslink socket wall plate insert module.  
To suit Pro2 Modular wall plate.  
With nickel plated connectors and black insulator  
Size: 47x24x11mm

**Code**  
MWI13TOS



## HDMI MODULE PRO2

Pro2 HDMI socket to HDMI socket wall plate insert module.  
with 0.2M UL30276 type lead  
Lead diameter: 6mm  
Gold plated connector  
To suit Pro2 Modular wall plate.  
Panel Size: 47x24x11mm

**Code**  
MWI13HDMI



## 3.5MM AUDIO MODULE PRO2

Pro2 3.5mm stereo socket to 3.5mm stereo socket wall plate insert module.  
To suit Pro2 Modular wall plate.  
Lead length: 200mm  
Size: 47x24x11mm

**Code**  
MWI13A35



## VGA MODULE PRO2

Pro2 DB15 VGA socket to DB15 VGA socket wall plate insert module.  
Nickel plated connector with screw terminals on both sides  
To suit Pro2 Modular wall plate.  
Panel Size: 47x24x11mm

**Code**  
MWI13VGA



## SPEAKER MODULE PRO2

Pro2 2x banana sockets to 2x banana sockets wall plate insert module.  
To suit Pro2 Modular wall plate.  
Gold plated connectors with Black/Red rings  
Panel Size: 47x24x11mm

**Code**  
MWI13SPK



## CAT5e JOINER MODULE PRO2

Pro2 CAT5e socket to CAT5e socket wall plate insert module.  
To suit Pro2 Modular wall plate.  
Panel Size: 47x24x11mm

**Code**  
MWI13C5J



## BNC MODULE PRO2

Pro2 BNC socket to BNC socket wall plate insert module.  
To suit Pro2 Modular wall plate.  
Nickel plated with white colour insulator and washer  
Panel Size: 47x24x11mm

**Code**  
MWI13BNC



## CAT6 KEYSTONE MODULE PRO2

Pro2 CAT6 punch tool insert wall plate insert module.  
Includes CAT6 keystone and keystone plate  
To suit Pro2 Modular wall plate.  
Panel Size: 47x24x11mm

**Code**  
MWI13C6M



## USB MODULE PRO2

Pro2 USB 2.0 and 3.0 socket to socket wall plate insert module.  
with 0.2M lead  
To suit Pro2 Modular wall plate.  
Panel Size: 47x24x11mm

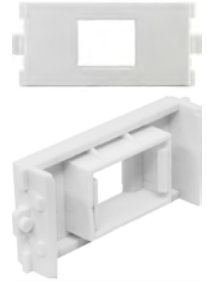
Types	Code
USB 2.0 to USB 2.0	MWI13USB2
USB 3.0 to USB 3.0	MWI13USB3



## KEYSTONE PLATE MODULE PRO2

Pro2 Keystone plate for the Pro2 wall plate.  
White colour  
Panel Size: 47x24x11mm

**Code**  
MWI13KS



## DVI MODULE PRO2

Pro2 DVI socket to DVI socket wall plate insert module.  
with 0.2M UL20276 type lead  
Lead diameter: 9.5mm  
Gold plated connector  
To suit Pro2 Modular wall plate.  
Panel Size: 47x24x11mm

**Code**  
MWI13DVI



## BLANK PLATE MODULE PRO2

Pro2 Blank plate for the Pro2 wall plate.  
White colour  
Panel Size: 47x24x11mm

**Code**  
MWI13BL







# Cables & Connectors

## □ Wall Plates Keystone

### “CSM” CAT6 KEYSTONE JACKS

Three colours available.  
3x Labelled dust covers ea.

Colour	Code
White	CSM102
Red	CSM104
Yellow	CSM106



### “CSM” KEYSTONE MODULES

#### “F” KEYSTONE

“F” to “F” (Back)

Code
CSM130



#### “F” KEYSTONE FOX

Black plastic Keystone.  
F to F. Foxtel® Approved.

Code
CSM131BK

### “CSM” OPTO KEYSTONE

#### “ST” Type bayonet

Fibre optic connect

Code
CSM122



#### “SC” Type Snap-Lock

Code
CSM120



#### “LC” Type Keystone

Code
OPTO1004K



### “CSM” SURFACE MOUNT BOXES

No holder plate required Plug in Keystone directly Simple. Comprehensive. Professional. Includes labels, cable ties, etc. Requires “CSM” modules.

Outlet	Code
1 Way	CSB110
2 Way	CSB120

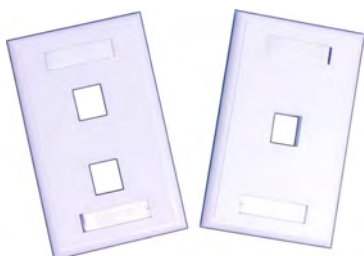


Note: Not compatible with CSM150 and CSM151 Connectors

### “CSM” WALLPLATES

No holder plate required Plug in Keystone directly Standard “Light-Switch” size wall plate. White. Labels. Screws, etc. Requires “CSM” modules

Ports	Code
1	CWP110
2	CWP120
4	CWP140



### CLIPSAL® COMPATIBLE KEYSTONE COLLAR

Adapts a standard CAT5/6 Type Keystone module to a Clipsal® type receptacle.

Code
CLP-KSCLR



### HPM® COMPATIBLE KEYSTONE COLLAR

Adapts a standard CAT5/6 Type Keystone module to a HPM® type receptacle.

Code
HPM-KSCLR



### CAT5e KEYSTONE WITH CLIPSAL COLLAR

KS series CAT5 8P8C keystone, easy to install. Clipsal® type bezel included.

Code
KS-CAT5E



### CAT6 KEYSTONE 8P8C WITH CLIPSAL COLLAR

KS series CAT6 8P8C keystone. Clipsal® type bezel included.

Code
KS-CAT6



### CAT6 KEYSTONE JACKS

Punch-down wire connector.

Colour	Code
White	CSM150
Black	CSM152



Note: This series is not compatible with CSB110, CSB120 Surface Mount Boxes.

### CAT6 KEYSTONE SHIELDED

Fully shielded front and back. Gold plated connections. Punch-down. Suit CAT6, UTP & STP. 1G bandwidth.

Colour	Code
Shielded	CSM151



Note: This series is not compatible with CSB110, CSB120 Surface Mount Boxes.

### CAT3 KEYSTONE 8P4C WITH CLIPSAL COLLAR

KS series CAT3 8P4C keystone, Clipsal® type bezel included.

Code
KS-CAT3



### CAT3 KEYSTONE GEL FILLED 8P4C

CAT3 8P4C keystone with Gel filled RJ plug and IDC connectors. Clipsal® type bezel included.

Code
KS-CAT3-GEL



### CAT3 KEYSTONE WITH MOD3 FUNCTION 8P4C

CAT3 8P4C keystone with Mod 3 function, Clipsal® type bezel included.

Code
KS-CAT3-MOD3







## □ Wall Plates Keystone

### “SIM” SURFACE BOX

#### HOLDS TWO PAIRS [4]

“SIM” Surface Box module. Requires Holder Plates use the 1” SIM modules. Snap-Lock accessibility. Magnetic base hold or permanent screw mount.

Ports	Code
2	CSB220
4	CSB240



Requires SIM220 & CSM Keystone

### “SIM” WALL PLATE

3 unit height for either 2x 1½” SIMs or 3x 1” SIMs or say a 1½” & 1” SIMs with a ½” blanking plate. Enables many combinations, a max of 6x “CSM” ports.

Code
CWP200



### “SIM” TO “CSM” MODULE HOLDER PLATES

1” (25mm) height Snap-In-Modules. See “CSM” ports. Use CWP200 wall or CSB240 boxes.

Ports	Code
1	SIM210
2	SIM220



### “SIM” TO “CSM” 45° MODULE HOLDER PLATE

1½” (37mm) height Snap-In-Modules. Same as SIM210, 20 but angled for cable strain relief, etc.

Ports	Code
1	SIM211
2	SIM221



### “SIM” BLANKING PLATES

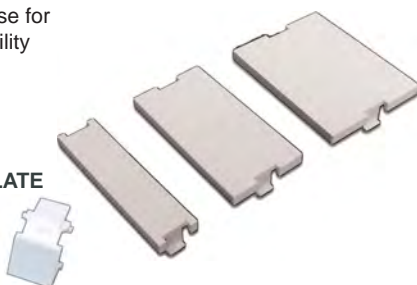
Fill-In blank spaces or use for future system expandability

Height	Code
½” 12mm	SIM202
1” 25mm	SIM200
1½” 37mm	SIM204

#### SINGLE BLANKING PLATE

Blank off unused ports. Leave room to expand!

Code
CSM100

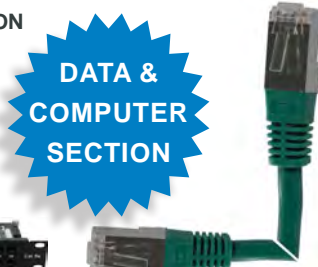


## CAT5e/6 NETWORK PRODUCTS

### SEE DATA & COMPUTER SECTION

Comprehensive range of computer related networking items are available. Too many to list here...

See Section 04...



## □ Modular & Telephone

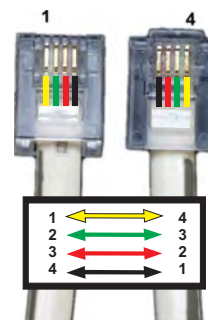
### COMMUNICATION INTERCONNECTS

Male to Male - Pin 1 to Pin #

Length	Pins	Type	Code
1.8M	4P4C	Curly	TC12
3.6M	4P4C	Curly	TC14

Length	Pins	Type	Code
2.0M	6P4C	Ribbon	TC20
4.0M	6P4C	Ribbon	TC22
1.8M	6P6C	Ribbon	TC26
3.6M	6P6C	Ribbon	TC28

Length	Pins	Type	Code
1.8M	8P8C	Ribbon	TC32
3.6M	8P8C	Ribbon	TC34



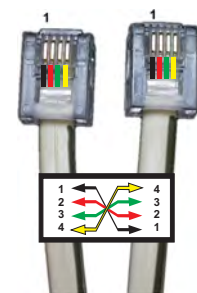
### TELEPHONE & HANDSET CORDS

Male to Male - Wired Pin 1 to Pin 1

Length	Pins	Colour	Type	Code
~1M	4P4C	Beige	Curly	TC40
~2M	4P4C	Beige	Curly	TC42
~2M	4P4C	Black	Curly	TC42BK



Length	Pins	Colour	Type	Code
150mm	6P2C	Beige	Ribbon	TC10
2M	6P4C	Black	Ribbon	TC80
2M	6P4C	Beige	Ribbon	TC44
3M	6P4C	Black	Ribbon	TC82
3M	6P4C	Beige	Ribbon	TC72
4M	6P4C	Beige	Ribbon	TC46
5M	6P4C	Beige	Ribbon	TC74
5M	6P4C	Black	Ribbon	TC84
10M	6P4C	Beige	Ribbon	TC76
10M	6P4C	Black	Ribbon	TC87
1.8M	6P6C	Beige	Ribbon	TC48
3.6M	6P6C	Beige	Ribbon	TC51
1.8M	8P8C	Beige	Ribbon	TC52
3.6M	8P8C	Beige	Ribbon	TC54
10M	8P8C	Beige	Ribbon	TC55



### MODULAR GENDER CHANGERS

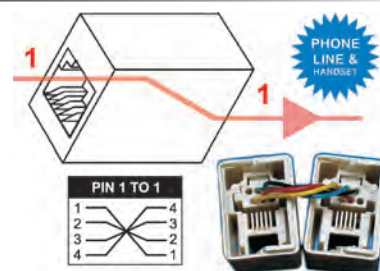
PIN 1 TO PIN 1

\*6 PIN

Code
MOD49

8 PIN

Code
MOD50



### MODULAR GENDER CHANGERS

PIN 1 TO PIN 4/6/8

4 PIN

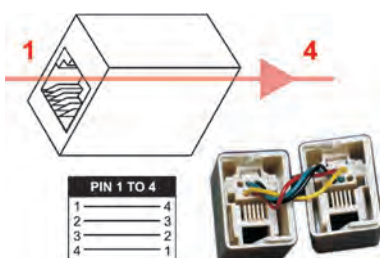
Code
MOD58

6 PIN

Code
MOD59

\*8 PIN

Code
MOD60



### MODULAR PLUGS

Crimp Plugs supplied 10 pieces per bag \*Please note: 4P4C means Miniature 4 pin type ie. Physically smaller than 6P4C (Standard RJ12) Multi-Strand or Solid. For crimp tools see Tools Section...

Pins	Code
*4P4C	MOD4M
*6P4C	MOD4
6P6C	MOD6
8P8C	MOD8
10P10C	MOD10







# Cables & Connectors

## TELEPHONE PLUG

No Longer Available!  
Please consider using  
**P606M** Adaptor to  
Modular Phone Plug.  
P606M



## TELEPHONE SOCKET

### IN-LINE

Code  
S610



### WALL SOCKET

Code  
S613



### MODE 3 WALL SOCKET

Code  
S611



## SOLDERLESS TERMINALS

Copper Crimp type  
for S610 etc.

QTY	Code
20	PT20
100	PT100



## DOUBLE ADAPTOR

Double Adaptor  
All Telecom type  
Code  
TD2401



## DOUBLE ADAPTOR

P605 Plug to 2 x 6P4C

Colour	Code
Ivory	TD2406



## MODULAR DOUBLE ADAPTOR

### TELEPHONE SPLITTER

4/6 pin plug 6P4C to two female sockets

Code  
TD101

### RJ45/8P8C

Split communications

Code  
CA104



## "Y" ADAPTOR SOCKETS

Double adaptors. All sockets type.

### 6P6C

Code  
TD163

### 8P8C

Code  
TD183



## ANSWER-MACHINE ADAPTOR

Disconnects the answering  
machines' line when you pick  
up the phones' line. Stops it  
rudely interrupting !

Code  
MPS2



## MODULAR ADAPTORS

Standard phone plug  
adapted to:

### 6P4C

Code  
P606M

### 8P4C

Code  
P608M



## TELEPHONE CABLE

Fully Austel Approved Used with popular  
standard phones (2 Pins Wired)

Length	Code
2 Metres	TC160



## MODULAR PRIVACY SWITCH

Adapts two telephone devices to  
share the one line without interruption.  
This is done by disconnecting the  
unused device so it cannot then  
interrupt the unit that was used first.  
Suit FAX, Modems, Answer, etc.

Code  
MPS1



## ADAPTOR

Standard Socket  
to Modular socket

Code  
S610M



## EXTENSION CABLES

Length	Code
5 Metre	TXT5



## ADAPTOR

Telecom Socket  
to Modular Plug.  
S610 TO 6P4C  
Two wires. Suit any  
standard telephone  
connection.

Code  
TC150



## 6P4C TO 8P4C ADAPTOR

6 pin RJ12 to 8 pin RJ45 with 4 pins wired.

Length	Code
2.0M	TC86



## CAT5e MOD-8 CRIMP PLUGS

### MULTI-STRAND CABLE

Code  
MOD81



### SOLID-CORE CABLE

Round cable entry

Code  
MOD82



See Section Data & Computer for CAT5/5e/6





## TELEPHONE WALL MOUNT

NEW Type now supplied: Wall mount a Telstra phone with its mounting plate. 200mm connection lead included. Adapts from the standard 6P4C on today's phones to the NEW 8P4C wall socket (future compatible). IDC push terminals rear.

Code  
MOD84I



## 6P6C WALL PLATE

Suit Code  
4/6 Pin MOD65



## WALLPLATE & INSERT

### INSERT & PLATE SOLD SEPARATELY

Suit Clipsal® Type keystone / collar. With removable finger plate for painting. TD1006P is for common telephone Voice Jack CAT3, others are 8 pin CAT5

Description	Code
Clipsal® Compatible Wall plate.	CWP01
4 Pins wired of 6	TD1006P
4 Pins wired of 8	DT100WHT
2 Pins wired of 8	DT1002WHT
8 Pins wired of 8	DA103WHT



Wall plate and insert sold separate.

## RJ45 SURFACE MOUNT BOX

### Suit 4/6 Pin

Standard plug or 7.5mm 4 pin. (Inc. adaptor.)

Code  
MOD66



### KRONE™ COMPATIBLE

Code  
MOD68-IDC

## MODE 3 SOCKET 8P8C

### WITH SHORTING BAR

Surface mount  
Screw terminated  
RJ45 8P8C socket

Code  
MOD83



## KEYSTONE SURFACE MOUNT BOX KS SERIES

### EMPTY - REQUIRES KEYSTONE

These mount boxes are compatible with KS series CAT5/6 keystone inserts. They include a piece of mounting tape, label, screws and cable ties. These have automatically closing spring loaded dust protection doors.

Outlet	Code
1 Way	SMB-01
2 Way	SMB-02



DUST COVER WINDOW  
AUTO CLOSES WHEN PLUG IS REMOVED

## TWIST STOPPER

Stop your handset cord from tying you up in knots. Allows 360° rotation. Standard 4P4C Plug to socket.

Code  
TS01



## INDUCTION MICROPHONE

Pickup induction coil type (Not a microphone as such). Place on a standard telephone earpiece and it records to any standard mic input. 1M cable. 3.5mm plug.

Code  
TIC1



## SLIMLINE SURGE PROTECTOR

Protects equipment from spikes, etc. Suit fax, modem, and expensive cordless phones. Phone line protected too. (May require TC40 extension lead)

Code  
MSPT10



## TELEPHONE LINE SURGE PROTECTOR

Highly effective Gas Arrester type voltage spike protection inline Male to Female RJ12 6P2C Modems, phones, & fax machines.

Code  
LPU01



## OVERSEAS MODEM ADAPTOR

Suit mobile travellers with Laptops and inbuilt modems. 7 adaptors from RJ11/12 to most popular world plugs. Suit more than 60 countries. Guide & carry bag included.

Code  
MA14

Click to: [www.korjo.com.au](http://www.korjo.com.au)



## TELEPHONE CABLE

Multi-Core Multi-Strand  
Classic Cream Jacket Cable

Core	Type	Code
4	Flat	FMC4
6	Flat	FMC6
8	Flat	FMC8
4	Round	TC4-300







# Cables & Connectors

## ADSL IN-LINE FILTER

### ADSL2/2+ POTS FILTER

Filters ADSL signal from the ADSL line to your analogue phone. New high quality low pass 4 stage filter for cordless phones. RCIT.0004 ETSI/Telstra

Code  
DSL002



## ADSL IN-LINE FILTER/SPLITTER

Splits the incoming ADSL line into one filtered RJ socket for the phone & non-filtered RJ socket for an ADSL2/2+ modem

Code  
DSL008



## ADSL/VDSL IN-LINE FILTER/SPLITTER

WITH RJ45/RJ45 CONNECTIONS FOR LINE, MODEM AND PHONE

Suits ADSL1, ADSL2 and ADSL2+ and VDSL2 services. CE.

Code  
EM1650B



## ADSL FILTER/SPLITTER

Ideal for wiring from first point. One filter for the whole house. Can be hard wired or use the modular connections.

Code  
DSL0042+



## ADSL MODE-3 SECURITY

### ALARM SPLITTER/FILTER

Mode-3 Connection  
RoHS and RCIT.0004.  
AS/ACIF SO41:2005  
Hard wired input  
Multiple outputs  
Internal IDC pins and/or RJ Sockets

Code  
DSL019



## ADSL WALL PLATE FILTER/SPLITTER

For new wall plate installations for phone on-wall mounting. Uses IDC terminals for the incoming line. Side entry non-filtered RJ socket for modem. and filtered for extra phones or side entry.

Code  
DSL018



## ADSL FILTER/SPLITTER

### EXTERNAL

RoHS Compliant  
IDC Terminations  
ACA Compliant  
4 Stage Filter  
Minimises Noise  
Mode-3 Compatible  
Surge Arrestor

Code  
DSL101



## RJ ADAPTOR

### REDUCING SLEEVE

Inserted into a RJ45 socket this adaptor will enable an RJ12 plug to fit snugly without side movement  
Converts RJ45 to RJ12  
CAT5/6 to telephone MOD  
Order one to receive 10

Code  
MOD-RS2



X10

## TELEPHONE RING EXTENDER

Loud 90dB Phone ringer with adjustable Pitch and Volume control. Does not require a power supply  
Line-powered RJ12

Code  
TR001B



## TELEPHONE HANDSET

### LAND-LINE

Standard DTMF Phone.  
Keypad on handset.  
Desk or Wall mount base.  
RJ12 1.2M Lead (Removable)  
Ring volume switch  
Compact 185x65x75mm

Code  
SLP001



## PABX MUSIC ON HOLD

Connects any music source to a majority of commander and PABX systems via 3.5mm plug.  
Compact, easy to setup, requires music source.

Code  
PABX-MH

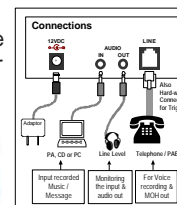


## 4 ANNOUNCEMENT DIGITAL PLAYER

### MUSIC-ON-HOLD OR PA

Four channel, programmable, Recorder/Playback for use with a PA or phone system. Digital storage up to 10min. Triggers on external switch, PABX or Line-In silence. Compact, easy to operate.

Code  
MOH540





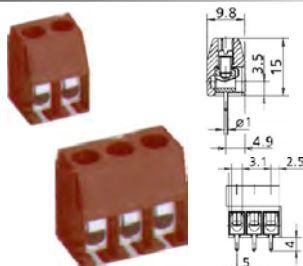


## □ Terminal Blocks

### TERMINAL BLOCK 5mm Pitch

20A 300V  
14-22AWG  
1mm Pins  
Label face.

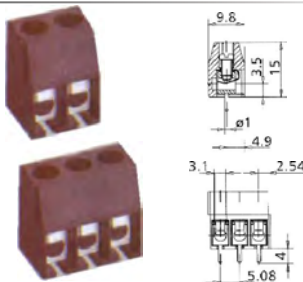
Type	Code
2Way	MTB812
3Way	MTB813



### TERMINAL BLOCK 0.2" Pitch

20A 300V  
14-22AWG  
1mm Pins  
Label face.

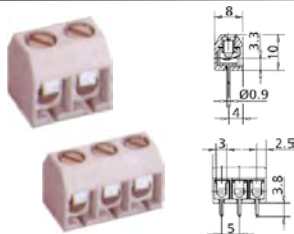
Type	Code
2Way	MTB832
3Way	MTB833



### LOW-PROFILE 5mm Pitch

15A 300V  
14-22AWG  
0.9mm Pins  
Label face.

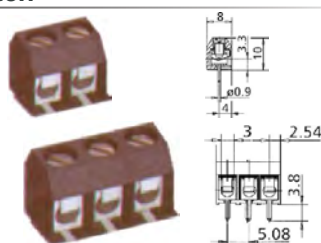
Type	Code
2Way	MTB012
3Way	MTB013



### LOW-PROFILE 0.2" Pitch

15A 300V  
14-22AWG  
1mm Pins  
Label face.

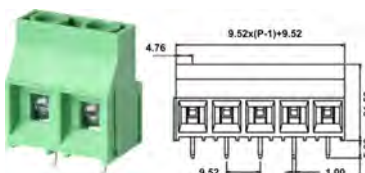
Type	Code
2Way	MTB1012
3Way	MTB1013



### LARGE GAUGE 10mm Pitch

30A 300V (UL)  
32A 750V (IEC)  
10-26AWG  
1mm Pins

Type	Code
2Way	MTB952
3Way	MTB953



### LARGE GAUGE 10mm Pitch

40A 600V  
6-20AWG  
Double Anchor  
Solder Pins  
Heavy duty

Type	Code
2way	MTB1162



### PLUGGABLE 5mm Pitch

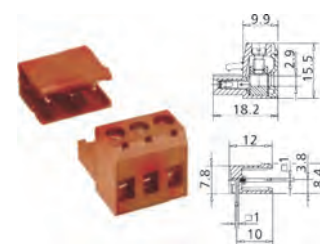
12A 300V  
12-28AWG

#### 2 Way

Description	Code
Plug	MTB3492
PCB	MTB3292

#### 3 Way

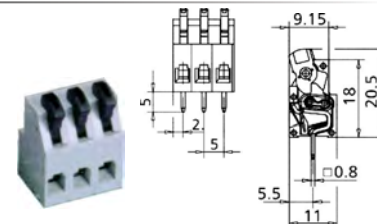
Description	Code
Plug	MTB3493
PCB	MTB3293



### SPRING LOCK 5mm Pitch

13A 250V  
14-28AWG  
1mm Pins  
Spring clamp lever action

Type	Code
3Way	MTB5013



### SEALED CRIMP CONNECTORS

#### NEW DESIGN FOR A SURE CONNECTION

Quick and easy cable joining for many applications including computer and phone telecommunications, etc. Small gauge cable joiner solution. The crimp action crushes the cable into the blade terminal and floods the connection internally with silicone sealant. This pushes the oxygen out and prevents moisture getting in. The result is a long lasting, weather resistant seal for a reliable non-corrosive connection.

#### JOINER

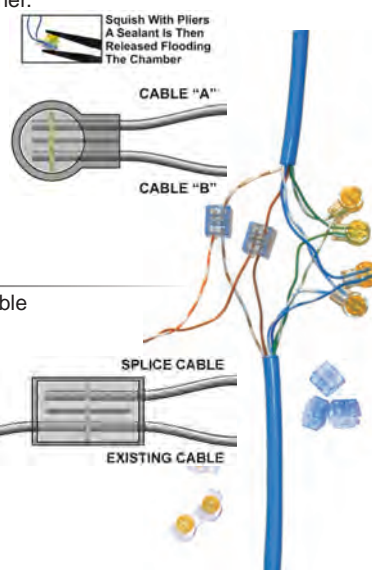
Connect two cable ends together.  
Order ONE to receive a bag.  
Suit 19-26AWG

#### BAG OF 20

Code
TM44020

#### BAG OF 100

Code
TM44100



#### SPLICER

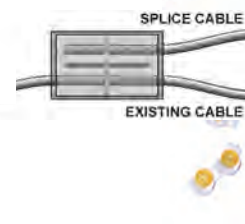
For intersecting an existing cable  
Buy ONE to receive a bag.  
Suit 19-26AWG

#### BAG OF 20

Code
TM45020

#### BAG OF 100

Code
TM45100



### TERMINAL STRIP 12 WAY

Stamped chromium steel  
closed inserts 2.8mm  
96x17x13mm nylon

Code
TB240



### TERMINAL STRIPS IN ALL SIZES

#### NYLON WITH BRASS + STEEL SCREWS

Heavy duty quality for reliability. 5A to 60A.  
Insulation Voltage 380V. 12 Terminals with  
mounting Holes between each. Cut to length.

Imax	Length	Ømax	Code
5A	110x16mm	3.6mm	TS1236
10A	115x20mm	4.0mm	TS1240
15A	136x22mm	4.8mm	TS1248
30A	170x26mm	5.1mm	TS1251
60A	186x29mm	6.7mm	TS1267







# Cables & Connectors

## Quick Disconnect

### SPADE TERMINALS MALE & FEMALE

Type	Colour	TAB.	AWG	Code
Female	Red	2.8mm	22-18	TM20111
Female	Red	4.7mm	22-18	TM20181
Female	Red	6.4mm	22-18	TM20251
Female	Blue	4.7mm	16-14	TM20182
Female	Blue	6.4mm	16-14	TM20252
Female	Yellow	6.4mm	12-10	TM20253
Male	Red	2.8mm	22-18	TM21111
Male	Red	4.7mm	22-18	TM21181
Male	Red	6.4mm	22-18	TM21251
Male	Blue	4.7mm	16-14	TM21182
Male	Blue	6.4mm	16-14	TM21252
Male	Yellow	6.4mm	12-10	TM21253

Bag of 100



### SPADE TERMINALS FEMALE

Colour	TAB.	AWG	Code
Red	2.8mm	22-18	TM22111
Red	4.7mm	22-18	TM22181
Red	6.4mm	22-18	TM22251
Blue	2.8mm	16-14	TM22112
Blue	4.7mm	16-14	TM22182
Blue	6.4mm	16-14	TM22252
Yellow	6.4mm	12-10	TM22253

Bag of 100



### PIN TERMINALS

Colour	TAB	Length	AWG	Code
Red	1.9mm	9mm	22-16	TM32276
Blue	1.9mm	10mm	16-14	TM32278
Yellow	2.8mm	13mm	12-10	TM32280

Bag of 100



### BULLET CONNECTORS

Type	Colour	TAB.	AWG	Code
Male	Red	4mm	22-18	TM24151
Male	Blue	4mm	16-14	TM24152
Male	Blue	5mm	16-14	TM24192
Male	Yellow	5mm	12-10	TM24193
Female	Red	4mm	22-18	TM25151
Female	Blue	4mm	16-14	TM25152
Female	Blue	5mm	16-14	TM25192
Female	Yellow	5mm	12-10	TM25193

Bag of 100



### RING TERMINALS

Stud.	Colour	AWG	Code
3.7mm	Red	22-18	TM10061
3.7mm	Blue	16-14	TM10062
4.3mm	Red	22-18	TM10081
4.3mm	Blue	16-14	TM10082
4.3mm	Yellow	12-10	TM10083
5.3mm	Red	22-18	TM10101
5.3mm	Blue	16-14	TM10102
5.3mm	Yellow	12-10	TM10103
6.4mm	Red	22-18	TM10121
6.4mm	Blue	16-14	TM10122
6.4mm	Yellow	12-10	TM10123
8.0mm	Blue	16-14	TM10142
8.0mm	Yellow	12-10	TM10143

Bag of 100



### SPADE TERMINALS

Stud.	Colour	AWG	Code
6.4mm	Red	22-18	TM11121
6.4mm	Blue	16-14	TM11122
6.4mm	Yellow	12-10	TM11123
5.3mm	Red	22-18	TM11101
5.3mm	Blue	16-14	TM11102
5.3mm	Yellow	12-10	TM11103
4.3mm	Red	22-18	TM11081
4.3mm	Blue	16-14	TM11082
4.3mm	Yellow	12-10	TM11083
3.7mm	Red	22-18	TM11061
3.7mm	Blue	16-14	TM11062

Bag of 100



### QUICK DISCONNECT KIT

300 PIECES IN A BOX  
Suit 22-14 AWG  
Most popular crimps.  
Box 210x110x30mm.

Code  
TMK300



### SPADE TERMINALS - TELEPHONE 4mm

Solderless terminals of brass.  
Available in bags of 20 or 100 pieces.  
Small 4mm terminal size. 28-20AWG.

TAB	QTY	Code
4mm	20	PT20
4mm	100	PT100



### SLA BATTERY TERMINAL ADAPTORS

SLA battery terminal adaptor to change batteries.  
Sold in pairs.

Description	Code
6.3mm Male to 4.8mm Female	F1TOF2
4.8mm Male to 6.3mm Female	F2TOF1



F1TOF2

### TAP SPLICES

AWG	Colour	Code
22-18	Red	TM42001
16-14	Blue	TM42002
12-10	Yellow	TM42003

Bag of 100



### BUTT SPLICES

AWG	Colour	Code
22-18	Red	TM40001
16-14	Blue	TM40002
12-10	Yellow	TM40003

Bag of 100



### CLOSED END CRIMPS

AWG	Code	Bag of 100
22-18	TM41001	
16-14	TM41002	
12-10	TM41003	



### WIRE CONNECTION NUTS

Bare end of wires & twist in. Bag of 100

AWG	Colour	Code
22-18	Orange	TM43001
16-14	Yellow	TM43002



### SCREW TERMINATORS

Single ended connectors.  
Order one to receive 10.

QTY	Code
10	SC40







## □ Chogori Connectors



## **CHOGORI®** Waterproof Connectors

## □ Chogori 500 Series

### 500 SERIES PLUGS & SOCKETS

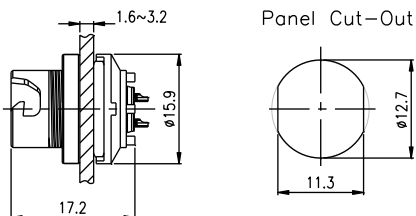
500 series waterproof connector is manufactured with high quality materials to meet different requirements of various environments. Its plastic material used is high performance PA66. Male pins are phosphor bronze assembly with good electrical conductivity brass. Female contacts are lathed and milled of two solid brass rods and reeds are stamped of beryllium copper. Terminals' surfaces are gold-plated with 4u"-20u". Superior mechanical properties ensure long effective application with insert and withdraw lifetime up to 3000 times. 500 series connector has a good performance is ideal for harsh working environments.



### 500 SERIES SOCKET - PUSH LOCK

#### FRONT PANEL MOUNT - FEMALE PINS

500 series IP65 push lock front panel mount socket.

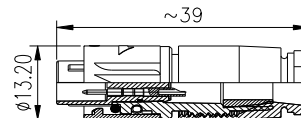


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.34mm <sup>2</sup>	110V	2A	11002635-01
3	0.34mm <sup>2</sup>	110V	2A	11003635-01
4	0.34mm <sup>2</sup>	110V	2A	11004635-01
5	0.34mm <sup>2</sup>	60V	2A	11005635-01
6	0.34mm <sup>2</sup>	60V	2A	11006635-01

### 500 SERIES PLUG - PUSH LOCK

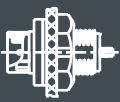
#### MALE PUSH LOCK - MALE PINS

500 series IP65 push lock plug with male pins.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.34mm <sup>2</sup>	110V	2A	11002131-01
3	0.34mm <sup>2</sup>	110V	2A	11003131-01
4	0.34mm <sup>2</sup>	110V	2A	11004131-01
5	0.34mm <sup>2</sup>	60V	2A	11005131-01
6	0.34mm <sup>2</sup>	60V	2A	11006131-01





## □ Chogori Mini Series

### FIELD INSTALLABLE 180° SOLDER SCREW TYPES

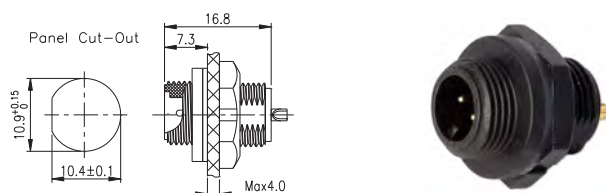


Mini series waterproof connector with high quality materials to meet different requirements of various environments. Its plastic material used is high performance PA66. Pins used have excellent mechanical properties with phosphor bronze assembly and good electrical conductivity brass. Mini series connector has a good performance with waterproof rating of IP67.

### MINI SERIES SOCKET SCREW

#### REAR PANEL MOUNT - MALE PINS

Mini series IP67 screw type rear panel mount socket with male pins. To be mounted to a 11mmØ hole.

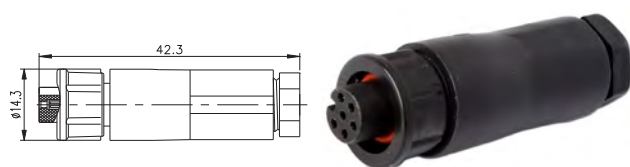


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.519mm <sup>2</sup>	110V	5A	21002515-03
3	0.519mm <sup>2</sup>	110V	5A	21003515-03
4	0.519mm <sup>2</sup>	110V	5A	21004515-03
5	0.34mm <sup>2</sup>	50V	2A	21005515-03
6	0.34mm <sup>2</sup>	50V	2A	21006515-03

### MINI SERIES PLUG BAYONET

#### MALE BAYONET - FEMALE PINS

Mini series IP67 bayonet type plug with female pins. 42.3x14.3mmØ  
Cable entry 3.5-6.8mmØ

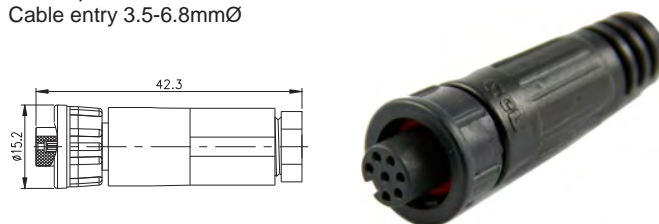


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.519mm <sup>2</sup>	110V	5A	21002221-01
3	0.519mm <sup>2</sup>	110V	5A	21003221-01
4(5A)	0.519mm <sup>2</sup>	110V	5A	21004221-01
4(2A)	0.34mm <sup>2</sup>	50V	2A	21004221-02
6	0.34mm <sup>2</sup>	50V	2A	21006221-01
2+4	0.34mm <sup>2</sup>	50V	5A+2A	21204221-01

### MINI SERIES PLUG SCREW

#### MALE SCREW - FEMALE PINS

Mini series IP68 screw type plug with female pins. 42x14mmØ in size.  
Cable entry 3.5-6.8mmØ

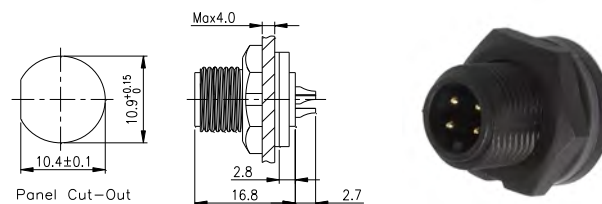


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.519mm <sup>2</sup>	110V	5A	21002211-01
3	0.519mm <sup>2</sup>	110V	5A	21003211-01
4(5A)	0.519mm <sup>2</sup>	110V	5A	21004211-01
5	0.34mm <sup>2</sup>	50V	2A	21005211-01
6	0.34mm <sup>2</sup>	50V	2A	21006211-01
2+4	0.34mm <sup>2</sup>	50V	5A+2A	21204211-01

### MINI SERIES SOCKET SCREW

#### FRONT PANEL MOUNT - MALE PINS

Mini Series screw type front panel socket with male pins

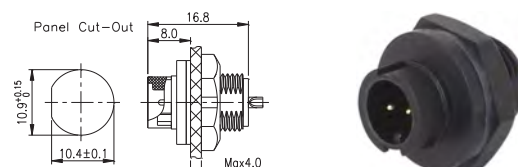


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
3	20AWG	110V	5A	21003515-01
4	20AWG	110V	5A	21004515-01
5	22AWG	50V	2A	21005515-01
6	22AWG	50V	2A	21006515-01
2+4	22AWG	50V	5A+2A	21204515-01

### MINI SERIES SOCKET BAYONET

#### REAR PANEL MOUNT - MALE PINS

Mini series IP67 bayonet type rear panel mount with male pins.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.519mm <sup>2</sup>	110V	5A	21002525-03
3	0.519mm <sup>2</sup>	110V	5A	21003525-03
4(5A)	0.519mm <sup>2</sup>	110V	5A	21004525-03
4(2A)	0.34mm <sup>2</sup>	50V	2A	21004525-04
5	0.34mm <sup>2</sup>	50V	2A	21005525-03
6	0.34mm <sup>2</sup>	50V	2A	21006525-03
2+4	0.34mm <sup>2</sup>	50V	5A+2A	21204525-03





## □ Standard Series - Screw

### FIELD INSTALLABLE 180° SOLDER SCREW TYPES

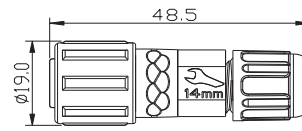
#### MEDIUM SIZED PLUG & SOCKET SYSTEM

- Standard circular connectors Chogori. Field installable. Solder pins.
- Designed to withstand harsh industrial and climatic environment, its superior quality ensures reliable connection for the higher standards and reliability of industrial machinery and equipment, marine electronics, LED display of power and signal control components, etc.
- This high quality connector can insert and withdraw simply and quickly. Addition to the lock bayonet and screw type docking type, the push-locking connection can also be simple and fast plug in and out.
- Pins from 2 to 12 can satisfy the various requirements of customers.
- All the products are manufactured with high quality materials to meet the various requirements of different environments, the plastic material used is high performance PA66. Pins used has excellent mechanical properties with phosphor bronze assembly and good electrical conductivity brass. Contacts are gold-plated with 4u"-20u"
- Superior mechanical properties ensure long effective application with insert and extract lifetime up to 3000 times.
- Good performance in waterproof, 5 sealing structure making its ingress rating reach IP68 standards.

### STANDARD SERIES PLUG SCREW

#### MALE SCREW - FEMALE PINS

Standard series screw type circular connectors. Field installable with female pins. IP68 water resistance, size: 48x19mmØ.

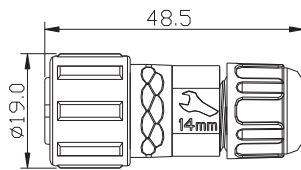


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002211-01
3	0.823mm <sup>2</sup>	300V	10A	22003211-01
5	0.519mm <sup>2</sup>	60V	5A	22005211-01
6	0.519mm <sup>2</sup>	60V	5A	22006211-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+5A	22204211-01
3+4	0.823mm <sup>2</sup> *3C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22304211-01
8	0.519mm <sup>2</sup>	60V	5A	22008211-01

### STANDARD SERIES PLUG SCREW

#### MALE SCREW - MALE PINS

Standard series screw type circular connectors. Field installable with male pins. IP68 water resistance, size: 48x19mmØ.

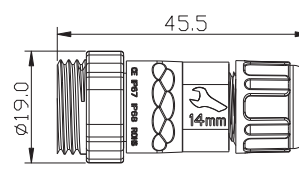


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002111-01
3	0.823mm <sup>2</sup>	300V	10A	22003111-01
4	0.823mm <sup>2</sup>	125V	10A	22004111-01
5	0.519mm <sup>2</sup>	60V	5A	22005111-01
6	0.519mm <sup>2</sup>	60V	5A	22006111-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22204111-01
2+6	0.519mm <sup>2</sup> *2C + 0.34mm <sup>2</sup> *6C	30V	5A+2A	22206111-01

### STANDARD SERIES INLINE PLUG SCREW

#### FEMALE SCREW - FEMALE PINS

Standard series circular screw type plug. Field installable with female pins. IP68 water resistance, Size: 46x19mmØ.

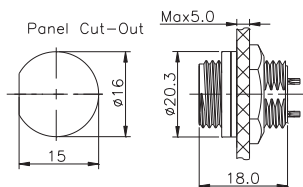


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
4	0.823mm <sup>2</sup>	125V	10A	22004411-01
6	0.519mm <sup>2</sup>	60V	5A	22006411-01
2+6	0.519mm <sup>2</sup> *2C + 0.34mm <sup>2</sup> *6C	30V	5A+2A	22206411-01

### STANDARD SERIES SOCKET SCREW

#### REAR PANEL MOUNT - FEMALE PINS

Standard series screw type rear panel mount. Field installable with female pins. IP68 water resistance, To be fit into a 16mmØ hole.

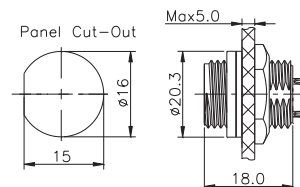


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002615-03
3	0.823mm <sup>2</sup>	300V	10A	22003615-03
4	0.823mm <sup>2</sup>	125V	10A	22004615-03
5	0.519mm <sup>2</sup>	60V	5A	22005615-03
6	0.519mm <sup>2</sup>	60V	5A	22006615-03
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22204615-03
2+6	0.519mm <sup>2</sup> *2C + 0.34mm <sup>2</sup> *6C	30V	5A+2A	22206615-03

### STANDARD SERIES SOCKET SCREW

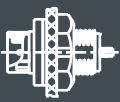
#### REAR PANEL MOUNT - MALE PINS

Standard series circular screw type rear panel mount. Field installable with male pins. IP68 water resistance. Mounted in a 16mmØ hole.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002515-03
3	0.823mm <sup>2</sup>	300V	10A	22003515-03
5	0.519mm <sup>2</sup>	60V	5A	22005515-03
6	0.519mm <sup>2</sup>	60V	5A	22006515-03
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+5A	22204515-03
3+4	0.823mm <sup>2</sup> *3C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22304515-03
8	0.519mm <sup>2</sup>	60V	5A	22008515-03





## □ Standard Series - Push

### STANDARD SERIES PUSH LOCK

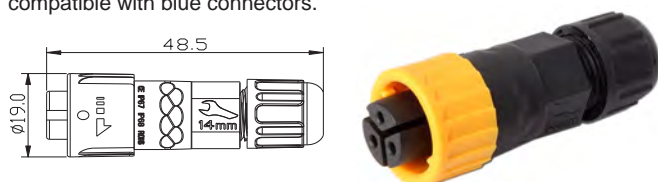
#### PUSH LOCK SYSTEM FOR SECURE AND FAST CONNECTION

- Standard circular connectors from Chogori. Field installable. Solder pins.
- Designed to withstand harsh industrial and climatic environment, its superior quality ensures reliable connection for the higher standards and reliability of industrial machinery and equipment, marine electronics, LED display of power and signal control components, etc.
- This high quality connector can insert and withdraw simply and quickly. Addition to the lock bayonet and screw type docking type, the push-locking connection can also be simple and fast plug in and out.
- Pins from 2 to 12 can satisfy the various requirements of different customers.
- All the products are manufactured with high quality materials to meet the various requirements of different environments, the plastic material used is high performance PA66. Pins used has excellent mechanical properties with phosphor bronze assembly and good electrical conductivity brass. The contact surface is gold-plated with 4u"-20u"
- Superior mechanical properties ensure long effective application with insert and extract lifetime up to 3000 times.
- Good performance in waterproof, 5 sealing structure making its ingress rating reach IP68 standards.

### STANDARD SERIES PLUG PUSH LOCK

#### MALE PUSH LOCK - FEMALE PINS

Standard series circular push lock type connector. Field installable with female pins. IP67 water resistance, Size: 46x19mmØ. Not compatible with blue connectors.

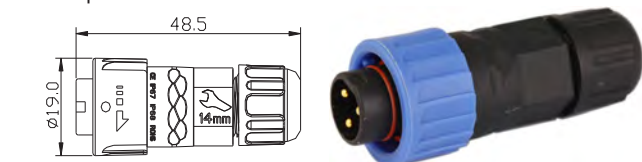


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002231-01
3	0.823mm <sup>2</sup>	300V	10A	22003231-01
4	0.823mm <sup>2</sup>	125V	10A	22004231-01
5	0.519mm <sup>2</sup>	60V	5A	22005231-01
6	0.519mm <sup>2</sup>	60V	5A	22006231-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+5A	22204231-01
3+4	0.823mm <sup>2</sup> *3C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22304231-01
8	0.519mm <sup>2</sup>	60V	5A	22008231-01

### STANDARD SERIES PLUG PUSH LOCK

#### MALE PUSH LOCK - MALE PINS

Standard series circular push lock type connectors. Field installable with male pins. IP67 water resistance, Size: 48x19mmØ. Not compatible with Yellow connectors.

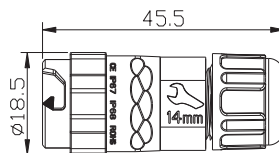


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002131-01
3	0.823mm <sup>2</sup>	300V	10A	22003131-01
4	0.823mm <sup>2</sup>	125V	10A	22004131-01
5	0.519mm <sup>2</sup>	60V	5A	22005131-01
6	0.519mm <sup>2</sup>	60V	5A	22006131-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22204131-01
2+6	0.519mm <sup>2</sup> *2C + 0.34mm <sup>2</sup> *6C	30V	5A+2A	22206131-01

### STANDARD SERIES INLINE PLUG PUSH LOCK

#### FEMALE PUSH LOCK - FEMALE PINS

Standard series circular push lock type connector. Field installable with female pins. IP67 water resistance, Size: 46x19mmØ.

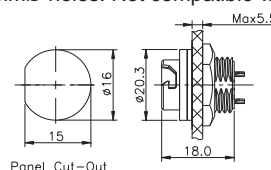


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002431-01
4	0.823mm <sup>2</sup>	125V	10A	22004431-01
5	0.519mm <sup>2</sup>	60V	5A	22005431-01
2+6	0.519mm <sup>2</sup> *2C + 0.34mm <sup>2</sup> *6C	30V	5A+2A	22206431-01

### STANDARD SERIES SOCKET PUSH LOCK

#### REAR PANEL MOUNT - MALE PINS

Standard series circular push lock type rear panel mount. Field installable with male pins. IP67 water resistance, to be fitted on 16mmØ holes. Not compatible with blue connectors.

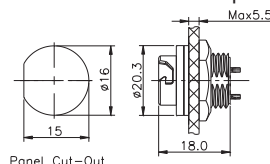


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002535-03
3	0.823mm <sup>2</sup>	300V	10A	22003535-03
4	0.823mm <sup>2</sup>	125V	10A	22004535-03
5	0.519mm <sup>2</sup>	60V	5A	22005535-03
6	0.519mm <sup>2</sup>	60V	5A	22006535-03
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+5A	22204535-03
8	0.519mm <sup>2</sup>	60V	5A	22008535-03

### STANDARD SERIES SOCKET PUSH LOCK

#### REAR PANEL MOUNT - FEMALE PINS

Standard series circular push lock type rear panel mount. Field installable with female pins. IP67 water resistance, to be fitted on 16mmØ holes. Not compatible with yellow connectors.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002635-03
3	0.823mm <sup>2</sup>	300V	10A	22003635-03
4	0.823mm <sup>2</sup>	125V	10A	22004635-03
5	0.519mm <sup>2</sup>	60V	5A	22005635-03
6	0.519mm <sup>2</sup>	60V	5A	22006635-03
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22204635-03

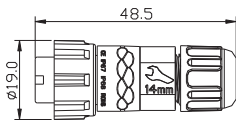




## STANDARD SERIES PLUG LOCK BAYONET

### MALE PINS

Standard series plug lock bayonet connector plugs with male pins. Field installable. IP67. Size: 4/8x19mmØ

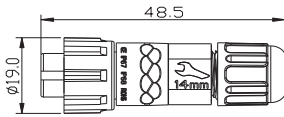


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002121-01
3	0.823mm <sup>2</sup>	300V	10A	22003121-01
4	0.823mm <sup>2</sup>	125V	10A	22004121-01
5	0.519mm <sup>2</sup>	60V	5A	22005121-01
6	0.519mm <sup>2</sup>	60V	5A	22006121-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22204121-01
2+6	0.519mm <sup>2</sup> *2C + 0.34mm <sup>2</sup> *6C	30V	5A+2A	22206121-01

## STANDARD SERIES PLUG LOCK BAYONET

### FEMALE SOCKET

Twist-on to lock bayonet plug Standard series 19mmØ 3.5-6.8mm Cable Entry Field installable version.

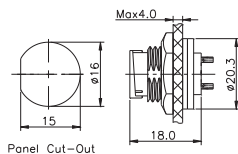


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002221-01
3	0.823mm <sup>2</sup>	300V	10A	22003221-01
4	0.823mm <sup>2</sup>	125V	10A	22004221-01
5	0.519mm <sup>2</sup>	60V	5A	22005221-01
6	0.519mm <sup>2</sup>	60V	5A	22006221-01
8	0.519mm <sup>2</sup>	60V	5A	22008221-01
10	0.33mm <sup>2</sup>	60V	2A	22010221-01
12	0.33mm <sup>2</sup>	60V	2A	22012221-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	30V	10A+5A	22204221-01
3+4	0.823mm <sup>2</sup> *3C + 0.519mm <sup>2</sup> *4C	30V	10A+2A	22304221-01

## STANDARD SERIES FRONT PANEL LOCK BAYONET

### FRONT PANEL MOUNT - FEMALE SOCKET

Twist-on to lock bayonet front panel mount Standard series Screw fixing behind panel with rubber grommet. Solder back. IP67. To be fitted in a 16mmØ hole.

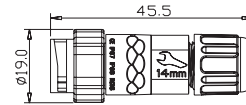


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002625-01
3	0.823mm <sup>2</sup>	300V	10A	22003625-01
4	0.823mm <sup>2</sup>	125V	10A	22004625-01
5	0.519mm <sup>2</sup>	60V	5A	22005625-01
6	0.519mm <sup>2</sup>	60V	5A	22006625-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22204625-01
2+6	0.823mm <sup>2</sup> *3C + 0.519mm <sup>2</sup> *4C	30V	5A+2A	22206625-01

## STANDARD SERIES INLINE PLUG LOCK BAYONET

### MALE PINS

Twist-on to lock bayonet plug Standard series 19mmØ 3.5-6.8mm Cable Entry Field installable version.

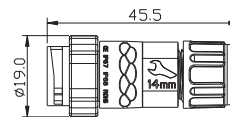


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002321-01
3	0.823mm <sup>2</sup>	300V	10A	22003321-01
4	0.823mm <sup>2</sup>	125V	10A	22004321-01
5	0.519mm <sup>2</sup>	60V	5A	22005321-01
6	0.519mm <sup>2</sup>	60V	5A	22006321-01
8	0.519mm <sup>2</sup>	60V	5A	22008321-01
10	0.33mm <sup>2</sup>	60V	2A	22010321-01
12	0.33mm <sup>2</sup>	60V	2A	22012321-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	30V	10A+5A	22204321-01
3+4	0.823mm <sup>2</sup> *3C + 0.519mm <sup>2</sup> *4C	30V	10A+2A	22304321-01

## STANDARD SERIES INLINE PLUG LOCK BAYONET

### FEMALE SOCKET

Standard series plug lock bayonet connector plugs. Field installable. IP67. Size: 46x19mmØ

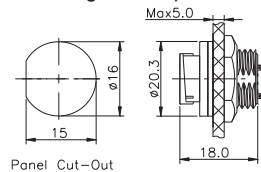


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002421-01
3	0.823mm <sup>2</sup>	300V	10A	22003421-01
4	0.823mm <sup>2</sup>	125V	10A	22004421-01
5	0.519mm <sup>2</sup>	60V	5A	22005421-01
6	0.519mm <sup>2</sup>	60V	5A	22006421-01
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22204421-01
2+6	0.519mm <sup>2</sup> *2C + 0.34mm <sup>2</sup> *6C	30V	5A+2A	22206421-01

## STANDARD SERIES REAR PANEL LOCK BAYONET

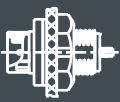
### REAR PANEL MOUNT - MALE PINS

Twist-on to lock bayonet chassis mount Standard series Screw fixing behind panel with rubber grommet. Solder back.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	0.823mm <sup>2</sup>	300V	10A	22002525-03
3	0.823mm <sup>2</sup>	300V	10A	22003525-03
4	0.823mm <sup>2</sup>	125V	10A	22004525-03
5	0.519mm <sup>2</sup>	60V	5A	22005525-03
6	0.519mm <sup>2</sup>	60V	5A	22006525-03
8	0.519mm <sup>2</sup>	60V	5A	22008525-03
10	0.3319mm <sup>2</sup>	30V	2A	22010525-03
12	0.3319mm <sup>2</sup>	30V	2A	22012525-03
2+4	0.823mm <sup>2</sup> *2C + 0.519mm <sup>2</sup> *4C	60V	10A+5A	22204525-03
3+4	0.823mm <sup>2</sup> *3C + 0.519mm <sup>2</sup> *4C	60V	10A+2A	22304525-03





## □ Middle Series - Screw

### MIDDLE SERIES PLUGS & SOCKETS

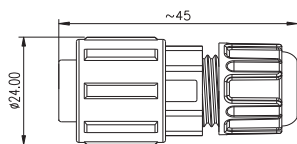
#### SCREW TYPE FOR EXCELLENT WEATHER PROOFING

- The Middle Series Connector is designed for application in harsh industrial and climatic environments. Its superior quality can ensure a reliable connection for industrial machinery and equipment, marine electronics, power and signal control elements, etc.
- The Middle Series Connector products are manufactured with high quality materials to meet the various requirements of different environments. The plastic material used is high performance PA66. Copper pins used have the excellent mechanical properties of a phosphor bronze assembly with the good electrical conductivity of brass. The connector can insert and extract up to 3000 times or more.
- The Middle Series Connectors have good performance in waterproofing, their rating can reach IP67 and IP68 standards, thus are ideal for indoor and outdoor harsh working environments.
- The Middle Series Connectors are a professional, neat and functional solution available in screw plug or quick push lock types.
- Larger plugs allow higher wattage transfer up to 20A x 300V.
- Larger plugs give positive action when in outdoor environments.

### MIDDLE SERIES PLUG SCREW

#### FEMALE SOCKET

Middle series screw type connectors with female socket, IP68 water resistant. Size: 45x24mmØ

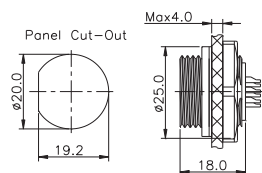


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002211-02
3	2.5mm <sup>2</sup>	300V	20A	23003211-02
4	1.0mm <sup>2</sup>	300V	15A	23004211-02
5	0.75mm <sup>2</sup>	125V	10A	23005211-02
6	0.75mm <sup>2</sup>	125V	10A	23006211-02
8	0.34mm <sup>2</sup>	60V	5A	23008211-02
3+5	1.00mm <sup>2</sup> *3C + 0.25mm <sup>2</sup> *5C	125+30V	15A+2A	23305211-02

### MIDDLE SERIES SOCKET SCREW

#### FEMALE SCREW TYPE REAR PANEL MOUNT - FEMALE PINS

Middle series screw type panel mount with female pins. IP68 water resistant. To be fit into a 20mmØ hole.

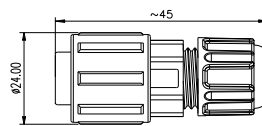


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002615-03
3	2.5mm <sup>2</sup>	300V	20A	23003615-03
4	1.0mm <sup>2</sup>	300V	15A	23004615-03
5	0.75mm <sup>2</sup>	125V	10A	23005615-03
6	0.75mm <sup>2</sup>	125V	10A	23006615-03
7	0.34mm <sup>2</sup>	60V	5A	23007615-03
8	0.34mm <sup>2</sup>	60V	5A	23008615-03
3+5	1.00mm <sup>2</sup> *3C + 0.25mm <sup>2</sup> *5C	125 + 30V	15A + 2A	23305615-03

### MIDDLE SERIES PLUG SCREW

#### MALE PINS

Middle series screw type connectors with male pins, IP68 water resistant. Size: 45x24mmØ

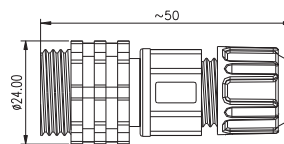


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002111-02
3	2.5mm <sup>2</sup>	300V	20A	23003111-02
4	1.0mm <sup>2</sup>	300V	15A	23004111-02
5	0.75mm <sup>2</sup>	125V	10A	23005111-02
6	0.75mm <sup>2</sup>	125V	10A	23006111-02
7	0.34mm <sup>2</sup>	60V	5A	23007111-02
8	0.34mm <sup>2</sup>	60V	5A	23008111-02
3+5	1.00mm <sup>2</sup> *3C + 0.25mm <sup>2</sup> *5C	125 + 30V	15A + 2A	23305111-02

### MIDDLE SERIES INLINE PLUG SCREW

#### FEMALE SCREW - FEMALE PINS

Middle series screw type inline plugs with female pins, IP68 water resistant. Size: 50x24mmØ

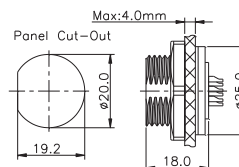


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002411-02
3	2.5mm <sup>2</sup>	300V	20A	23003411-02
4	1.0mm <sup>2</sup>	300V	15A	23004411-02
5	0.75mm <sup>2</sup>	125V	10A	23005411-02
6	0.75mm <sup>2</sup>	125V	10A	23006411-02
7	0.34mm <sup>2</sup>	60V	5A	23007411-02
3+5	1.00mm <sup>2</sup> *3C + 0.25mm <sup>2</sup> *5C	125 + 30V	15A + 2A	23305411-02

### MIDDLE SERIES SOCKET SCREW

#### FRONT PANEL MOUNT - MALE PINS

Middle series screw type panel mount with male pins. IP68 water resistant. To be fit into a 20mmØ hole.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002515-01
3	2.5mm <sup>2</sup>	300V	20A	23003515-01
4	1.0mm <sup>2</sup>	300V	15A	23004515-01
5	0.75mm <sup>2</sup>	125V	10A	23005515-01
6	0.75mm <sup>2</sup>	125V	10A	23006515-01
8	0.34mm <sup>2</sup>	60V	5A	23008515-01



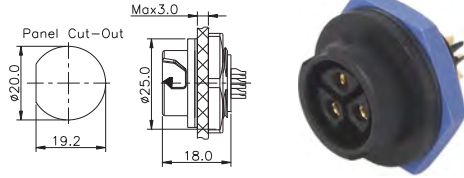


## □ Middle Series - Push

### MIDDLE SERIES SOCKET PUSH LOCK

#### REAR PANEL MOUNT - FEMALE SOCKET

Middle series push lock type panel mount with female socket. IP67 water resistant. To be fit into a 20mmØ hole. Not compatible with yellow connectors.

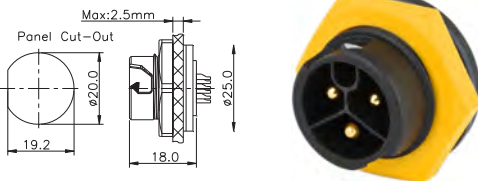


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002635-03
3	2.5mm <sup>2</sup>	300V	20A	23003635-03
4	1.0mm <sup>2</sup>	300V	15A	23004635-03
5	0.75mm <sup>2</sup>	125V	10A	23005635-03
6	0.75mm <sup>2</sup>	125V	10A	23006635-03
7	0.34mm <sup>2</sup>	60V	5A	23007635-03
8	0.34mm <sup>2</sup>	60V	5A	23008635-03

### MIDDLE SERIES SOCKET PUSH LOCK

#### FEMALE PUSH LOCK - MALE PIN

Middle series push lock type panel mount with male pins. IP67 water resistant. To be fit into a 20mmØ hole. Not compatible with blue connectors.

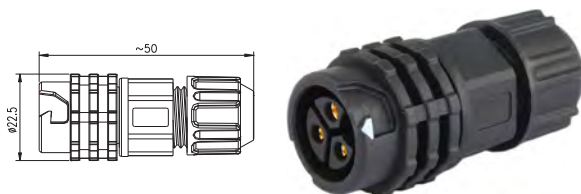


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002535-01
3	2.5mm <sup>2</sup>	300V	20A	23003535-01
4	1.0mm <sup>2</sup>	300V	15A	23004535-01
5	0.75mm <sup>2</sup>	125V	10A	23005535-01
6	0.75mm <sup>2</sup>	125V	10A	23006535-01
8	0.34mm <sup>2</sup>	60V	5A	23008535-01
3+5	1.00mm <sup>2</sup> *3C + 0.25mm <sup>2</sup> *5C	125+30V	15A+2A	23305535-01

### MIDDLE SERIES INLINE PLUG PUSH LOCK

#### FEMALE PUSH LOCK - FEMALE SOCKET

Middle series push lock type connectors with female pins. IP67 water resistant. Size: 50x23mmØ.

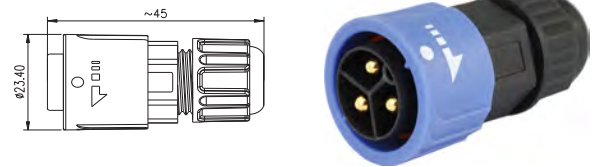


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002431-02
3	2.5mm <sup>2</sup>	300V	20A	23003431-02
4	1.0mm <sup>2</sup>	300V	15A	23004431-02
6	0.75mm <sup>2</sup>	125V	10A	23006431-02
8	0.34mm <sup>2</sup>	60V	5A	23008431-02

### MIDDLE SERIES PLUG PUSH LOCK

#### MALE PUSH LOCK - MALE PINS

Middle series push lock type connectors with male pins. IP67 water resistant. Size: 45x24mmØ. Not compatible with yellow connectors.

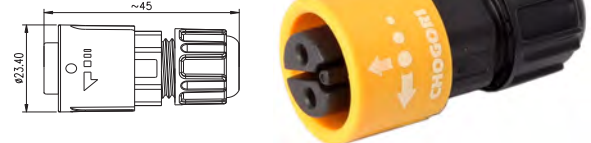


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002131-02
3	2.5mm <sup>2</sup>	300V	20A	23003131-02
4	1.0mm <sup>2</sup>	300V	15A	23004131-02
5	0.75mm <sup>2</sup>	125V	10A	23005131-02
6	0.75mm <sup>2</sup>	125V	10A	23006131-02
7	0.34mm <sup>2</sup>	60V	5A	23007131-02
8	0.34mm <sup>2</sup>	60V	5A	23008131-02
3+5	1.00mm <sup>2</sup> *3C + 0.25mm <sup>2</sup> *5C	125 + 30V	15A + 2A	23305131-02

### MIDDLE SERIES PLUG PUSH LOCK

#### MALE PUSH LOCK - FEMALE PINS

Middle series push lock type connectors with female pins. IP67 water resistant. Size: 45x24mmØ. Not compatible with blue connectors.

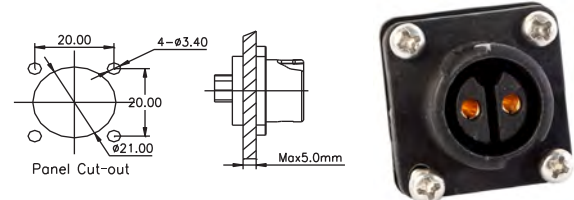


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	300V	20A	23002231-02
3	2.5mm <sup>2</sup>	300V	20A	23003231-02
4	1.0mm <sup>2</sup>	300V	15A	23004231-02
5	0.75mm <sup>2</sup>	125V	10A	23005231-02
6	0.75mm <sup>2</sup>	125V	10A	23006231-02
8	0.34mm <sup>2</sup>	60V	5A	23008231-02

### MIDDLE SERIES SOCKET PUSH LOCK

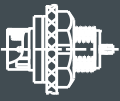
#### SQUARE PANEL MOUNT - FEMALE PINS

Middle Series push lock rear panel connector with female pins. IP67 water resistant. To be fitted in 25mmØ holes.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	2.5mm <sup>2</sup>	250V	20A	23002636-01
3	2.5mm <sup>2</sup>	250V	20A	23003636-01
4	1.0mm <sup>2</sup>	250V	15A	23004636-01
5	0.75mm <sup>2</sup>	125V	10A	23005636-01
6	0.75mm <sup>2</sup>	125V	10A	23006636-01
7	0.34mm <sup>2</sup>	60V	5A	23007636-01
8	0.34mm <sup>2</sup>	60V	5A	23008636-01
9	0.34mm <sup>2</sup>	60V	5A	23009636-01
10	0.25mm <sup>2</sup>	30V	5A	23010636-01





## Chogori Large Series

### LARGE SERIES PLUGS & SOCKETS

#### 29MMØ PUSH LOCK SYSTEM IP68 WATER PROOF UP TO 20A

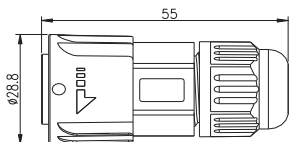
- Large series connector are found used in the LED display industry because their superior quality ensures reliable connection for the LED display of power and signal control components.
- The push-locking connector is simple and fast to plug in and out. Pins from 2 to 9, and additional 3+9 & 3+11. Installation type has nut, square flange and rhombus flange. What's more, the square flange is compatible with standard Amphenol® / Neutrik® installation holes.
- All the products are manufactured with high quality materials to meet the various requirements of different environments. The plastic material used is high performance PA66. Pins used has excellent mechanical properties with phosphor bronze assembly and good electrical conductivity brass. Products have certificate by CE, UL, TUV and ROHS environmental protection requirements.
- Large series connector has good performance in waterproofing. Its waterproof rating can reach to IP67 standards. Thus it is ideal for indoor and outdoor harsh working environments. The connector can insert and withdraw to 3000 times or more, and ensure a reliable contact every time.

## CHOGORI® Waterproof Connectors

### LARGE SERIES PLUG PUSH LOCK

#### MALE PUSH LOCK - FEMALE PINS

Large series push lock type connectors with female pins. IP67 water resistance. Size: 55x29mmØ. This connector is not compatible with the blue capped Large series connectors.

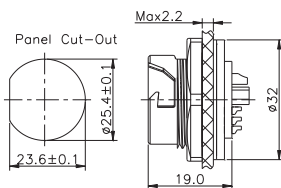


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	4.0mm <sup>2</sup>	300V	20A	24002231-02
3(20A)	4.0mm <sup>2</sup>	300V	20A	24003231-02
3(50A)	8.4mm <sup>2</sup>	300V	50A	24003231-04
9	0.75mm <sup>2</sup>	125V	5A	24009231-02
3+9(FM)	2.5mm <sup>2</sup> *3C + 0.2mm <sup>2</sup> *9C	300V	20A+5A	24309231-02
3+11(FM)	2.5mm <sup>2</sup> *3C + 0.2mm <sup>2</sup> *11C	300V	20A+5A	24311231-02

### LARGE SERIES SOCKET PUSH LOCK

#### FRONT PANEL MOUNT - MALE PINS

Large Series push lock rear panel connector with male pins. IP67 water resistant. To be fitted in 25mmØ holes.

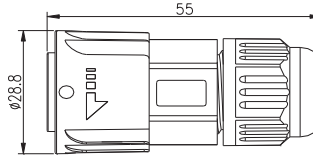


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	4.0mm <sup>2</sup>	300V	20A	24002535-01
3(20A)	4.0mm <sup>2</sup>	300V	20A	24003535-01
3(50A)	8.4mm <sup>2</sup>	300V	50A	24003535-02

### LARGE SERIES PLUG PUSH LOCK

#### MALE PUSH LOCK - MALE PINS

Large series push lock type connector with male pins. IP67 water resistance. Size: 55x29mmØ. This connector is not compatible with the yellow capped Large series connectors.

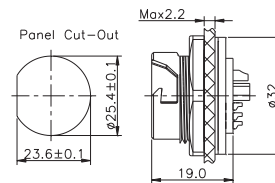


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	4.0mm <sup>2</sup>	300V	20A	24002131-02
3(20A)	4.0mm <sup>2</sup>	300V	20A	24003131-02
3(50A)	8.4mm <sup>2</sup>	300V	50A	24003131-04
9	0.75mm <sup>2</sup>	125V	5A	24009131-02
3+9(FM)	2.5mm <sup>2</sup> *3C + 0.2mm <sup>2</sup> *9C	300V	20A+5A	24309131-02
3+11(FM)	2.5mm <sup>2</sup> *3C + 0.2mm <sup>2</sup> *11C	300V	20A+5A	24311131-02

### LARGE SERIES SOCKET PUSH LOCK

#### FRONT PANEL MOUNT - FEMALE PINS

Large Series push lock front panel mount connector with female pins. IP67 water resistant. With screw on four corners to fix to the mounting surface. To be fitted in 25mmØ holes.

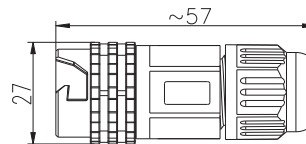


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
18	0.3mm <sup>2</sup>	125V	5A	24018635-01

### LARGE SERIES INLINE PLUG PUSH LOCK

#### FEMALE PUSH LOCK - MALE PINS

Large Series push lock extending connector with male pins. IP67 water resistant. Size: 57x27mmØ.

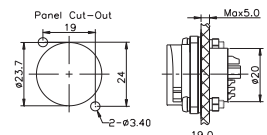


Contact	Wire Gauge	Voltage Rating	Rated Current	Code
3(20A)	4.0mm <sup>2</sup>	300V	20A	24003331-02
3(50A)	8.4mm <sup>2</sup>	300V	50A	24003331-04
3+11(FM)	2.5mm <sup>2</sup> *3C + 0.2mm <sup>2</sup> *11C	300V	20A+5A	24311331-02

### LARGE SERIES SOCKET PUSH LOCK

#### SQUARE PANEL MOUNT - FEMALE PIN

Large Series push lock rear panel connector with female pins. With screws on two sides to lock the panel mount to the mounting surface. IP67 water resistant. To be fitted in XLR size holes.



Contact	Wire Gauge	Voltage Rating	Rated Current	Code
2	4.0mm <sup>2</sup>	300V	20A	24002636-01
3(20A)	4.0mm <sup>2</sup>	300V	20A	24003636-01





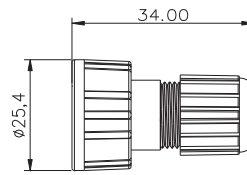
## RJ45 Series

### RJ45 PLUG JACKET SCREW

#### FITS OVER RJ45 & 24AWG

Jacket plug that fits over a standard RJ45 CAT5e/6 type plug and lead combination. Suits most cables with 24AWG wiring, 6.5 to 2.5mm Diameter. Compatible with screw type sockets. Weather proof to IP67 standards. Quality PA66 plastic materials. Up to CAT6 compatible.

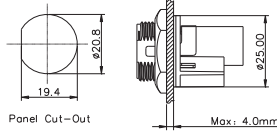
Cable	Cable Range	IP	Code
24AWG	4.0-7.0	IP67	33000000-03



### RJ45 PANEL SOCKET 180° SCREW

#### RJ45 IN AND OUT

Panel Mount 20mm hole with front mounting screw. Compatible with the Screw plug. Rear is a RJ45 socket. All pins gold plated. Weather proof to IP67 standards. Quality PA66 plastic materials. Up to CAT6 compatible.

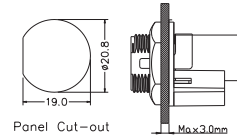


Contact	Panel Thickness	IP	Code
8	Max 4.0mm	IP67	33000000-01
8	Max 4.0mm	IP67	33000000-10

### RJ45 PANEL SOCKET METAL 180° SCREW

#### RJ45 IN AND OUT

Panel Mount 20mm hole with front mounting screw. Compatible with the Screw plug. Rear is a RJ45 socket. All pins gold plated. Weather proof to IP67 standards. Quality All-Metal construction. Up to CAT6 compatible.

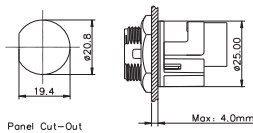


Contact	Thread	IP	Code
8	Narrow	IP67	33000000-12

### RJ45 PANEL SOCKET 90° SCREW

#### REAR RJ45 IS ANGLED

Panel Mount 20mm hole with front mounting screw. Compatible with the Screw plug. Rear is a RJ45 socket. All pins gold plated. Weather proof to IP67 standards. Quality PA66 plastic materials. Up to CAT6 compatible.

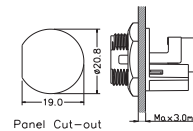


Contact	Panel Thickness	IP	Code
8	Max 4.0mm	IP67	33000000-02

### RJ45 PANEL SOCKET METAL 90° SCREW

#### REAR RJ45 SOCKET IS ANGLED

Panel Mount 20mm hole with front mounting screw. Compatible with the Screw plug. Rear is a RJ45 socket. All pins gold plated. Weather proof to IP67 standards. Quality PA66 plastic materials. Up to CAT6 compatible.



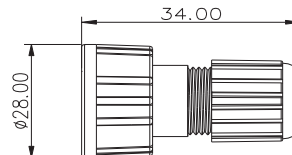
Contact	Thread	IP	Code
8	Narrow	IP67	33000000-15

### RJ45 PLUG JACKET BAYONET

#### FITS OVER RJ45 & 24AWG

Jacket plug that fits over a standard RJ45 CAT5e/6 type plug and lead combination. Suits most cables with 24AWG wiring, 6.5 to 2.5mm Diameter. Compatible with Bayonet type socket. Weather proof to IP67 standards. Quality PA66 plastic materials. Up to CAT6 compatible.

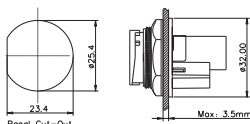
Cable	Cable Range	IP	Code
24AWG	4.0-7.0	IP67	33000000-06



### RJ45 PANEL SOCKET 180° BAYONET

#### RJ45 IN AND OUT

Panel Mount 20mm hole with front mounting screw. Compatible with the Bayonet plug. Rear is a RJ45 socket. All pins gold plated. Weather proof to IP67 standards. Quality PA66 plastic materials. Up to CAT6 compatible.

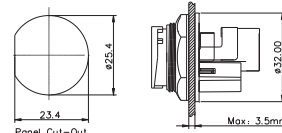


Contact	Suits	Thread	Code
8	33000000-06	Narrow	33000000-04

### RJ45 PANEL SOCKET 90° BAYONET

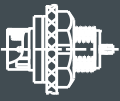
#### REAR RJ45 IS ANGLED

Panel Mount 20mm hole with front mounting screw. Compatible with the Bayonet plug. Rear is a RJ45 socket. All pins gold plated. Weather proof to IP67 standards. Quality PA66 plastic materials. Up to CAT6 compatible.



Contact	Suits	Thread	Code
8	33000000-06	Narrow	33000000-05





## □ Chogori USB & Chogori D-Sub Series

### USB 2.0 PLUG SCREW

#### SOLDER BACK

USB 2.0 Type "B" Plug with solder back 4 pins plus earth. Quality PA66 plastics rated to IP68 weatherproofing connection. Compatible with USB socket screw.

#### Code

34000000-01



### USB 2.0 SOCKET SCREW

#### SOLDER PINS REAR

Circle Panel Mount  
Screw front mount  
Solder pins back.  
480Mbps  
IP68

#### Code

34000000-03



### USB 2.0 PANEL SCREW TYPE WITH LEAD

USB 2.0 Type "A" socket on a screw mount with a 0.5M USB lead. Made with quality PA66 plastics rated to IP68 weatherproofing connection. Compatible with a USB male screw jack.

#### Code

IC02415041504



### OPTIONAL WATERPROOF CAP

#### Code

806-00001-00



### USB 2.0 PLUG BAYONET

#### SOLDER BACK

USB 2.0 Type "B" Plug with solder back 4 pins plus earth. Quality PA66 plastics rated to IP67 weatherproofing connection. Compatible with USB bayonet.

#### Code

34000000-02



### USB 2.0 SOCKET BAYONET

#### SOLDER PINS REAR

Circle Panel Mount  
Screw front mount  
Solder pins back.  
480Mbps USB 2.0  
IP68 Bayonet

#### Code

34000000-04



### USB 2.0 SOCKET BAYONET & CAP

#### SPRING CLOSE DUST CAP

Rhombus Panel Mount with IP67 weather sealed dust cap. USB 2.0 to 5 pins solder back. Bayonet.

#### Code

34000000-05



### D PLUG MALE

#### SOLDER BACK RS232

IP 67 Suit cable 4.5-6.5mm

#### Pins Code

9	31009111-01
15	31015111-01



### D SOCKET FEMALE

#### SOLDER BACK RS232

IP 67 Suit cable 4.5-6.5mm

#### Pins Code

9	31009211-01
15	31015211-01



### D SOCKET FEMALE

#### SOLDER BACK RS232

2.0mm Max. Panel Depth.

#### Pins Code

15	31015516-01
----	-------------



### HDMI FRONT PANEL MOUNT LOCK TYPE

#### MALE TO HDMI FEMALE PANEL MOUNT

0.3M HDMI Female front panel mount to HDMI male connector. IP67 water resistance. Swinging lock arms. Suitable to use with Chogori IC02415030401 lead.

#### Length Code

0.3M	IC02415030402
------	---------------



### HDMI FRONT PANEL JOINT LOCK TYPE

#### MALE TO MALE

1.5M HDMI Male to HDMI Male front panel joint cable. Compatible with lock type HDMI Female Front Panel Socket IC02415030402

#### Length Code

1.5M	IC02415030401
------	---------------



### HDMI FRONT PANEL MOUNT BAYONET TYPE

Bayonet type jacket HDMI socket connector for mounting into a panel 26mm hole. Rear of socket has a mini connector to aid installation. 30cm length cable to HDMI Plug.

#### Length Code

300mm	CON-HDMIP-P02
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### HDMI LEAD BAYONET TYPE

Bayonet type HDMI plug connector compatible with the Bayonet socket. 1.7M Lead to a standard HDMI type plug. Heavy duty quality cable & plugs.

#### Length Code

1.7M	CON-HDMIAM-P01
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# Audio Speakers & PA



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# Audio Speakers & PA

## □ Headphones

### □ Koss Headphones

#### KOSS HEADPHONES

##### THE BEST USA BRAND OF WORLD LEADING PERSONAL LISTENING

###### • 1958 The World's First Stereo Headphone

John C. Koss invented personal listening with the world's first SP/3 stereophone. Koss sought to replicate the excitement of a live musical performance. The original SP/3 stereophone allowed listeners to experience sound as they had never before, bringing them closer to the music they love. Since then, over the many decades, Koss has been revolutionizing the experience of personal listening with innovations in headphone design and quality of sound. Today they are still world leaders offering excellence in audio quality and long-term comfort.



#### KOSS BT540i BLUETOOTH HEADPHONE

##### WIRELESS FREEDOM WITH REMOTE CONTROL

Featuring state of the art Bluetooth® hardware and software integrated with aptX® codec technology. The technologically advanced Koss BT540i is a Bluetooth headphone that supports a Bluetooth® connection or a 3.5mm connection. Listeners can stay connected using the built-in, dual microphones which work in sync to reduce background noise, producing exceptional call clarity. Easy to locate, on-board controls allow listeners to quickly navigate through songs, play or pause music, volume-up, volume-down, and answer incoming calls. The BT540i Wireless Bluetooth® Headphones are outfitted with the all-new precision-tuned Koss PLX40 Dynamic Elements featuring crisp highs, robust mids and smooth lows, perfect for personal listening. Premium leather memory foam cushions close gaps around the ear, creating the perfect seal with an incredibly comfortable fit. The built-in lithium-ion battery delivers more than 8 hours of listening time on a single charge. A detachable audio cable is included and can be used as a bypass should the battery run out. The BT540i folds flat and comes with a travel case for easy portability. Also included is a USB cable for convenient on-the-go charging.

- Full size noise isolating memory foam earpads
- Maximum wireless range of 30 metres
- Rechargeable Lithium battery for up to 8hrs
- Battery charge time from empty to full 2 hours
- Folds flat for portability + Protective carry case
- Deep bass and extended treble response
- Detachable 1.4m audio cable
- 3.5mm Stereo plug & 6.3mm adaptor
- 8 Ohms, Response 10-25,000Hz

Plug	Colour	Code
3.5mm Stereo	Black	BT540i



#### KOSS BTS1 BLUETOOTH SPEAKER

##### WIRELESS COMPACT WITH PREMIUM KOSS AUDIO SOUND

Small enough to fit in a pocket and weighing at just 160 grams, the BTS1 Wireless Bluetooth® Speaker is designed specifically for portability and on-the-go use. Its lightweight design is accentuated by its minimalistic properties which make it incredibly compact and perfect for travel. Features a unique kickstand allowing the listener to choose between omni-directional and directional listening. On-board controls allow for quick pairing and easy access to volume control. The BTS1 also has 3.5 mm auxiliary in and out jacks for connected listening, as well as the option for daisy chaining. Play your music with natural warm quality audio sound from Koss in a big sound from a small speaker.

- Bluetooth version 3.0
- Maximum wireless range 45 metres
- Includes USB charging cable, audio cable
- Built-In Rechargeable Lithium battery
- Charge time from empty to full 2 hours
- Battery life 5 hours
- 40mm diameter driver 3Wrms
- Onboard controls for Volume & Power
- Super Compact 100x75x25mm
- Weight only 160g

Colour	Code
White	BTS1



Onboard Controls



Free standing



Aux In and Out







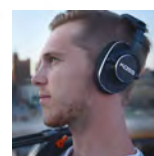
## KOSS PRO4S HEADPHONE

### "D-PROFILE" EARCUP STUDIO MONITOR PROFESSIONAL HEADPHONE

The Pro4S Studio Headphone is specifically crafted for professionals who use headphones every day to create the world's greatest music. Featuring the all-new SLX40 element, tuned for reference, the Pro4S Studio Headphone delivers an incredibly accurate and unbiased sound, perfect for any studio or creative environment. The Pro4S Studio Headphone features the natural fitting, iconic "D-profile" earcup that mimics the shape of the ear. Designed for the rigors and wear of professional use, the Pro4S Studio Headphone features an incredibly rugged mechanical design. The aluminium earcups with memory foam cushions wrapped in soft protein leather make the headphone strong but incredibly comfortable. An all-new integrated, metal-on-metal assembly of the headphone makes the headphone extremely robust in areas where other headphones often fail. The Pro4S Studio Headphone features a detachable cord with dual-choice entry, allowing the user to choose which earcup to connect to for optimum adaptability. Once the cord is attached, the opposite side becomes an output, allowing pass-through listening or daisy chaining for extended monitoring. The Pro4S Studio Headphone folds flat into a travel case for easy portability.

- Koss SLX40 40mm element OFC Neodymium
- Aluminium construction heavy duty durability
- D-Profile memory foam 100mm closed ear pads
- Advanced sound isolation and all-day comfort
- Tuned for studio use monitor reference standard
- Lightweight and comfortable for extended use
- Low profile form factor and flat folding
- Protective carry case for storage & transporting
- Detachable dual audio cable with 3.5mm plug
- 35 Ohms Response 10-25,000Hz 99dB SPL
- 1.3m coiled lead to 3.5mm / 6.35mm Stereo Plug
- Dual entry L or R ear cable input (and output)

Plug	Colour	Code
3.5mm plug	Black	PRO4S



## KOSS PRO-DJ200 HEADPHONE

### PROFESSIONAL DJ HEADSET WITH MEDIA CONTROL OPTION

The full-size noise-isolating Koss ProDJ200 headphones feature spun metal ear cups that swivel 180 degrees, so for DJs, shifting between single-ear and double-ear listening is easy, plus it also includes a stereo to mono switch on the ear cup. The ProDJ200 becomes multi-purpose with the flexibility to change cords. Included with every ProDJ200 is a standard, professional grade coiled cord, and also a straight cord equipped with Koss Touch Control (KTC) remote and microphone technology made for iPhone®, iPad® and iPod®, which is also compatible with other smart phones and devices. The KTC allows users to stay connected, shuffle songs, control the volume and answer calls with the three button controller. Koss ProDJ200 features soft, closed cushions that create a perfect seal whose comfort is amplified by extreme bass response of these soft, closed headphones. Lightweight and long lasting with noise isolating qualities, the Koss ProDJ200 headphones fold flat into a sleek protective case for portability and storage. This makes them an ideal professional DJ solution while also an excellent HiFi personal audio headset.

- Full size 90mm cup noise-isolating stereophones
- Slightly tighter head-band for better isolation and secure fit
- All alloy and steel heavy duty durable build quality
- Folds flat into a convenient case for easy portability
- Detachable cord 2.4m durable curly cord 3.5mm Stereo
- 1.2m straight cord with Koss Touch Control (KTC) remote and in-line microphone to 3.5mm Quad plug
- Transition from stereo to mono with the flick of a switch
- 38Ω Impedance 99dB SPL Response 10-25,000Hz
- Includes 6.3mm adaptor, two cords and case

Plug	Colour	Code
3.5mm Quad	Black	PRODJ200







# Audio Speakers & PA

## KOSS SP540 HEADPHONE

### FULL-SIZED AUDIO OPTIMISED TO BE LIGHT

The SP540 features the natural fitting "D-profile" earcup design that mimics the shape of the ear, creating an ideal seal for the most consistent sound reproduction and an incredibly natural fit for extended personal listening sessions. The ear pads have a new dynamic contour seal feature with asymmetrical foam that gradually increases in density near the back and bottom of the cups to balance the pressure around the ear, resulting in a perfect acoustical seal and a balanced fit for comfort. The cushions are comprised of slow recovery memory foam, premium acoustical fabric and protein leather. The SP540 features outer earcups reinforced by anodized aluminium and insert-molded metal hinges, which provide strength in areas where other headphones often fail. The advanced headband design allows for both size and pressure adjustment. The SP540 headband contains soft memory foam wrapped in breathable fabric for extended comfort. For premium audio, the SP540 features the new Koss PLX40 dynamic element, tuned specifically for personal listening. The SP540 also has a detachable cord and folds flat into a slim travel case for easy portability. Light in weight materials and design means you feel the music, not your headphones so the SP540 is suitable for arm-chair comfort or portable on-the-go listening with premium audio from the legend of Koss.

- D-shape fitting memory foam cushions
- Ultra light weight construction
- Low profile form factor
- Metal reinforced hinges
- Premium material treatments
- Koss PLX40 40mm element
- Fold flat for compact storage
- Protective carry case
- Detachable 1.4m audio cable with 3.5mm plug
- 35 Ohms, Response 10-25,000Hz

Plug	Colour	Code
3.5mm Stereo	Black	SP540



## KOSS QZ-PRO HEADPHONE WITH ACTIVE NOISE REDUCTION

### QUIET ZONE - PERSONAL AUDIO WITH MAXIMUM ISOLATION

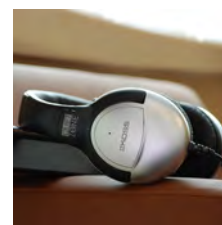
A combination of passive and active noise reduction (ANR), the Koss Quiet Zone QZ-PRO headphones are the noise cancelling headphones of choice for music lovers and movie watchers alike. Long term comfort, collapsibility for transporting and Koss sound quality make them a favourite among air and train travellers. For passive noise reduction, the QZ-PRO's feature soft leatherette, closed cushions, which create a tight seal around the ear and reduce ambient noise while enhancing bass frequencies and treble. Active noise cancellation circuitry embedded into each QZ-PRO ear cup uses tiny microphones that sample surrounding noise and transmit that information to a processing circuit, which then generates "anti-waves" to counteract the unwanted noise and create a peaceful listening environment. No need for noise cancellation? No problem. Turn it off with the flick of a switch. Requires 2x AAA batteries not included.

- QZ-PRO Active Noise Reduction stereophone DSP system
- Reduces harmful and annoying sounds in noisy environments
- Closed leatherette ear cushions 100x85mm for added isolation
- In-line volume control
- Collapsible design for compact portability
- Ideal for in-flight use and train commuters
- Requires 2 AAA batteries (not included)
- 32Ω Response 40-20KHz 90dB SPL/1W
- Cord straight 1.2m to 3.5mm Stereo plug
- \*Includes aircraft plug adaptor

Plug	Colour	Code
3.5mm Stereo*	Silver	QZ-PRO



**QZ-PRO**  
NOISE REDUCTION







## KOSS UR23i HEADSET WITH MICROPHONE

### "D" CUP OVER EAR ENCLOSED COMFORT AUDIO

With its unique D-Profile design and precision tuned sound, the Koss UR23i Full Size Headphone is ideal for personal listening. Isolation from ultra soft cushions and closed back design brings you closer to the music. Durable lightweight design makes the Koss UR23i a great portable headphone for travelling. Answer calls, play, pause, or skip tracks with the UR23i's in-line one touch button and microphone.

- Full size enclosed headphones for Koss comfort
- In-line microphone with one touch answer/pause button
- Lightweight durable construction. Adjustable headband
- Unique 'D' profile shape for superior sound and fit
- Cord: 1.2 metres noodle flat super flexible
- 34 Ohms 20-20KHz Frequency response
- 3.5mm Quad Plug (for mobile devices)

Plug	Colour	Code
3.5mm Quad	Black	UR23iK
3.5mm Quad	Blue	UR23iB
3.5mm Quad	Green	UR23iG
3.5mm Quad	White	UR23iW



## KOSS UR20 HEADPHONE

### EXTRA LARGE EAR PADS FOR ENCLOSED LISTENING

Well suited for professional DJs seeking sound intensity and bass, the Koss UR20 Full Size noise isolating headphones are every bit as well suited for any music lover. Extra strong to endure the rigors of a recording session, these closed headphones just as easily enhance typical listening sessions. With an extended frequency response, large, closed leatherette ear cushions and great sound, the lightweight UR20 noise isolating headphones are suitable for any level of music enthusiast.

- Very comfortable, low fatigue, soft leatherette 110mm ear cushions
- Closed for outstanding performance, isolation and volume
- Built heavy-duty for maximum durability for DJ session use
- Flexible headband for easy, single sided listening and durability
- 32Ω Response 30-20,000Hz high efficiency drivers 97dB SPL
- 2.44m single entry straight cord to 3.5mm stereo + 6.35mm adaptor

Plug	Colour	Code
3.5mm Stereo	Black	UR20



## KOSS UR40 HEADPHONE

### TITANIUM COATED DRIVERS - OPEN BACK EAR CUPS

Heavyweight sound intensity teams with an ultra-lightweight design to create the ultimate in on-the-go listening. With improved signal transmission and conduction for a clean and clear sound, these headphones will minimize mechanical distortion and ensure exceedingly accurate sound reproduction. Featuring a hybrid design, the UR40 integrate the best of closed and open style headphones. Closed leatherette ear cushions form a tight seal around the ears to enhance bass frequencies, while screened ear cups provide an open, hear-through sound that keeps you in tune with your surroundings. The result: a clean, full frequency, great sound that turns every recording into a "live" performance. At less than 200g, the Koss UR40 headphones wear comfortably, store easily, and travel lightly. Titanium sound in a collapsible, lightweight package.

- Titanium coated high polymer diaphragm for accurate sound reproduction
- Neodymium Iron Boron rare earth magnet structures for accurate sound reproduction
- Closed leatherette ear cushion for maximum transmission of audio clarity and deep bass
- Collapsible design for protective storage and maximum portability when listening on-the-go
- Oxygen free copper voice coils for signal clarity
- 60Ω Response 15-22,000Hz 98dB SPL/1W
- Cord 1.2m dual entry to 3.5mm/6.35mm Stereo

Plug	Colour	Code
3.5mm Stereo	Silver	UR40







# Audio Speakers & PA

## KOSS PORTA PRO HEADPHONE

### CLASSIC RETRO HEADPHONE FROM THE 80'S WITH UPGRADED AUDIO

The acclaimed Koss Porta Pro has set performance and comfort standards for personal listening worldwide for decades. Designed for those with refined musical taste, the Porta Pro continues to be one of the most popular portable headphones around the world. Known for its high-level of comfort, the Porta Pro has adjustable temporal pads to relieve pressure on the ears. Its lightweight, open-air cushions keep listeners aware of their surroundings while delivering exceptional audio. The upgraded oxygen free copper voice coils and all new dynamic elements allow the Porta Pro to deliver rich bass and a remarkably wide frequency response. Whether you're listening at home or on the go, the Koss Porta Pro delivers all the excitement of a live performance.

- Comfort zone setting on temporal pad for a comfortable, secure fit
- Collapsible for easy transport, Carrying case included
- The ultimate portable on-ear stereo phones
- Dynamic element for extended frequency response
- Impedance: 60Ω Response 15-25,000Hz
- Cord 1.2m with 3.5mm stereo plug & 6.5mm adaptor

Plug	Colour	Code
3.5mm Stereo	Black	KPPC1



## KOSS UR10 HEADPHONE

### PORTABLE ON-EAR HEADSET

The Koss UR10 on ear headphones is a new portable model that offers maximum sound quality in a comfortable lightweight design. Today's music lovers require lightweight on ear headphones that reproduce their favourite recordings, no matter where they go. The UR10 combines the very best in portable sound performance without sacrificing comfort. The UR10 on ear headphones deliver a deep bass and the Sound of Koss in a convenient lightweight headphone. The adjustable headband allows for a custom fit for any active user. Built to last. The UR10 offers the listener great value and performance at an opening price point.

- High fidelity stereophone utilises a new driver with an anisotropic magnet and 1.4 mil mylar element for deep bass and treble clarity
- Closed leatherette ear cushion for maximum isolation and deep bass
- Built for maximum durability for the rigors of portable usage
- 32 Ω Response 18-20,000Hz
- Cord straight 1.2m single entry to 3.5mm Stereo Plug

Plug	Colour	Code
3.5mm Stereo	Silver	UR10



## KOSS KSC75 EAR CLIPS

### TITANIUM COATED DIAPHRAGM STREET HEADPHONES

Clip the Koss KSC75 headphones comfortably over your ear and let yourself be amazed by the great sound of these high fidelity clip headphones. The ideal dynamic headphones for music lovers living an active lifestyle. The KSC75 Titanium's soft, foam ear cushions guarantee an open, hear-through sound for when you prefer to stay connected to your surroundings. Pivoting clips provide a better fit than most over-the-ear sports headphones. Featuring a 2 µm titanium coating on its diaphragms, Koss KSC75s boast increased rigidity, minimized mechanical distortion, and exceedingly accurate sound quality and reproduction. Perfect for travel, the KSC75s deliver outstanding sound at home or on the move.

- Titanium coated high polymer diaphragm for accurate sound reproduction
- Neodymium Iron Boron magnet structures for deep bass performance
- Dynamic element design for extended frequency response
- Clip design fits around the ear to eliminate the headband
- Oxygen free copper voice coils for extended signal clarity
- 60Ω Response: 15-25KHz 101dB SPL/1mW

Plug	Colour	Code
3.5mm Stereo	Silver	KSC75







## KOSS SB45 HEADSET WITH MICROPHONE

### DUAL 3.5MM PLUGS FOR PC GAMERS & SKYPE

Full sized Koss SB45 communication headsets deliver the premium sound of a closed headphone audio experience from legendary Koss. The SB45 enables you to not only hear clearly, but also speak clearly. Featuring Koss' Clear Voice Technology (CVT), the noise-reduction boom microphone eliminates excessive background noise. This makes PC voice applications, such as speech recognition, much easier to use. The comfortable design of the Koss SB45 will allow you to wear these headsets over an extended period. The large, closed ear cups maximize isolation so you can focus on the task or conversation at hand. These computer headsets easily fold up for compact storage or transportation.

- Stereophone with goose-neck adjustable electret, noise reduction microphone for hands-free communication from your PC
- Closed leatherette ear cushions for maximum isolation and deep bass
- 100Ω Response 18-20,000Hz Premium sound Headphones 103dB
- Electret 100-16,000Hz microphone -56dB
- Straight dual entry 2.44m cord
- Dual 3.5mm Stereo Plugs for audio and microphone (PC)

Plug	Colour	Code
3.5mm Dual	Silver	KO-SB45



## KOSS CS100USB HEADSET WITH MICROPHONE - USB

### USB PLUG FOR PC GAMERS & SKYPE

The Koss CS100USB communication headset boasts a full range of sound that brings every conversation to life. Hands-free communication via an electret, noise cancelling microphone, is combined with high voice sensitivity, noise rejection and reduced sound distortion for clear conversations. The USB plug provides quick and easy connection to your PC, no drivers required. Whether your primary use is for telecommunications, voice-activated software programs or indulging in multi-player video games, the CS100USB headset offers long-lasting comfort and crystal clear communication. On-ear foam cover headphones. Adjustable microphone goose neck for clear positioning.

- Dynamic element for extended frequency response Koss audio
- Electret noise cancellation microphone for hands-free communication from your personal computer
- Foam ear cushions for open, hear-through sound
- 32Ω Response 30-16,000Hz headphones 91dB SPL
- 32Ω Response 100-16,000Hz microphone -56dB
- Straight single entry 2.4m cord to USB

Plug	Colour	Code
USB	Gold	CS100USB



## KOSS CS95USB MONO HEADSET WITH MICROPHONE - USB

### USB PLUG FOR PC GAMERS & SKYPE

The Koss CS95USB communication headset boasts clarity that brings conversations to life. High audio sensitivity and reduced sound distortion, combined with hands-free communication via an electret noise cancelling microphone, for clear and concise conversations. This single-sided headset allows you to easily communicate while staying aware of your surroundings. The USB plug provides quick and easy connection to your PC, no drivers required. Whether your primary use is for telecommunications, voice-activated software programs or indulging in multi-player video games, the CS95USB headset offers long-lasting comfort and crystal clear communication. Communication made easy, with the Koss CS95USB.

- Dynamic element for extended frequency response Koss audio
- Electret noise cancellation microphone for hands-free communication from your personal computer
- Single sided foam ear cushion for open, hear-through sound
- Microphone Flips 180° for Left or Right ear wearing
- 32Ω Response 30-16,000Hz Mono headphone 91dB SPL
- 32Ω Response 100-16,000Hz Mono microphone -56dB
- Straight single entry 2.44m cord to USB Plug

Plug	Colour	Code
USB	Gold	CS95USB







# Audio Speakers & PA

## KOSS KEB25i EARBUD WITH MICROPHONE

### MEMORY FOAM FORM FITTING EARBUDS & DELUXE DESIGN

The all new Koss KEB25i are stereo, noise isolating in-ear headphones that deliver the kind of accurate acoustical reproduction and isolation typically found in closed-style high fidelity headphones. A dynamic element positioned just outside the ear connects to a tubular port structure that inserts into a soft, expandable cushion. The soft, foam cushion expands for a custom comfort fit with every listening experience. It also improves isolation, plugging out ambient sounds, and enhances deep bass and treble clarity. In line, one touch microphone, compact size, and comfortable fit make the Koss KEB25i the ideal on the go headphone for mobile devices for the discerning audio enthusiast.

- Form fitting in-ear buds
- In-line microphone
- Answer/pause "One-Touch" button
- Durable Aluminium housing
- Soft, flexible conforming fit
- Extra cushions
- Cord length: 1.2 metres
- 16 Ohms 10-22KHz
- Plug: 3.5mm Quad

Plug	Colour	Code
3.5mm Quad	Black	KEB25IK
3.5mm Quad	White	KEB25IW



## KOSS KEB15i EARBUD WITH MICROPHONE

### THREE SIZES OF EARBUD CUSHIONS

The Koss KEB15i is a modern blend of style and sound all in one package. An innovative angled port ensures the perfect fit at the touch of a finger. The ingenuity of the KEB15i brings you closer to the music you love.

- Noise isolation in-ear headphones
- Angled element for the perfect fit
- In-line microphone
- One-Touch push-to-talk button
- 16 Ohms, Response 18-20,000Hz
- 1.2m cord to 3.5mm Quad Plug

Plug	Colour	Code
3.5mm Quad	Blue	KEB15IB
3.5mm Quad	Grey	KEB15IG
3.5mm Quad	Purple	KEB15IP
3.5mm Quad	Teal	KEB15IT
3.5mm Quad	Red	KEB15IR



## KOSS KEB9i EARBUD WITH MICROPHONE

### PORTABLE MEDIA AUDIO FROM THE LEGEND KOSS

The Koss KEB9i is a modern blend of style and sound all in one package. An innovative angled port ensures the perfect fit at the touch of a finger. The ingenuity of the KEB9i brings you closer to the music you love. The legendary Sound of Koss takes care of the rest.

- Noise isolating in-ear buds
- In-line microphone
- "One-Touch" Answer/Pause button
- Slim form factor for maximum comfort
- Angled element creates perfect fit
- Extra cushions supplied
- Frequency response: 18 - 20,000Hz
- 16 Ohms 110dB SPL
- Cord length: 1.2 metres
- Plug: 3.5mm Quad



Plug	Colour	Code
3.5mm Quad	Grey	KEB9IG
3.5mm Quad	Black	KEB9IK
3.5mm Quad	Blue	KEB9IB
3.5mm Quad	Pink	KEB9IP
3.5mm Quad	White	KEB9IW







## KOSS PLUG EARBUD

### NEW! MEMORY FOAM EAR-BUDS

The Koss Plug revolutionized the world of in-ear headphones. A first of its kind, these are stereo, noise isolating in-ear headphones that deliver the kind of accurate acoustical reproduction and isolation typically found in closed-style high fidelity headphones. A dynamic element positioned just outside the ear connects to a tubular port structure that inserts into a soft, expandable cushion. The soft, foam cushion expands for a custom comfort fit with every listening experience. It also improves isolation, plugging out ambient sounds, and enhances deep bass and treble clarity.

- Memory foam ear cushions
- Noise isolating in-ear headphones
- Enhance deep bass and treble clarity
- Additional soft foam ear cushions included
- 16 Ohms, Response 10-20,000Hz
- 1.2m cord to 3.5mm stereo plug

Plug	Colour	Code
3.5mm Stereo	Black	KTP1K
3.5mm Stereo	Blue	KTP1B
3.5mm Stereo	Green	KTP1G
3.5mm Stereo	Orange	KTP1C
3.5mm Stereo	Red	KTP1R
3.5mm Stereo	White	KTP1W



## KOSS KSC32i EAR CLIP WITH MICROPHONE

### FITCLIPS FOR A SECURE HOLD DURING SPORTS AND EXERCISE

Koss FitClips utilize an original and unique design that ensures the perfect fit. Using a new in-ear ported design, the elements rest comfortably in the ear to create the ideal seal for the ultimate listening experience. The Koss FitClips feature an in line, one touch microphone. Listeners are given the choice of three sizes of ear cushions designed to fit perfectly in every ear. Soft flexible clips rest comfortably around the ear to guarantee the music never stops. FitClips are available in four vibrant colours featuring a sweat-resistant coating for active use and unmatched durability.

- In-ear FitClips Ideal for fitness
- In-line, one touch & microphone
- Sweat resistant
- Ultra lightweight and durable
- Available in: blue, grey, purple and orange
- 16 Ohms response: 15 - 20,000Hz
- Cord length: 1.2 metres
- Plug: 3.5mm Quad plug

Plug	Colour	Code
3.5mm plug	Blue	KSC32IB
3.5mm plug	Orange	KSC32IC
3.5mm plug	Grey	KSC32IG
3.5mm plug	Purple	KSC32IV



## KOSS KE5 EARPHONE

### KOSS BRANDED AUDIO AT AN ENTRY PRICE POINT

Koss KE5 earbuds are the ideal accessory for the on-the-go music lover. Durability, portability and the Sound of Koss are all seamlessly packed together in this sleek earbud. Its contour frame will fit comfortably and securely for extended use.

- Unique earbud design directs sound into the ear canal for deep bass
- Reliable L plug for improved durability & reliability 3.5mm Stereo
- 16Ω Response 60-20,000Hz
- Cord straight dual entry 1.21m

Plug	Colour	Code
3.5mm Stereo	Black	KE5K
3.5mm Stereo	White	KE5W







# Audio Speakers & PA

## Bluetooth Headphones

### BLUETOOTH HEADPHONE

#### ELEGANT DESIGN WITH BUILT-IN MIC & AUDIO LINE-IN

Listen to music wire free from your smartphone, tablet, laptop, and other Bluetooth® enabled audio players with this Bluetooth® wireless headphone. Professionally tuned for superior acoustics with Ver.3.0 Bluetooth®. Up to 20 hrs play time after fully charged. Up to 20M Operation range. Light weight, adjustable headband. With built-in microphone, you can also use it for Skype and gaming. Rechargeable through the micro USB port with the supplied charging cable. Support audio line-in.

#### Code

HPB618BK



### BLUETOOTH SPORTS EARPHONE

#### BLUETOOTH 4.1 RECHARGEABLE EARPHONES

Sports Bluetooth® earphone with flat cable  
Come with a pair of ear hooks and 3 sets of ear tips for multi fits  
Compatible with Bluetooth® 4.1 capable devices  
Latest Bluetooth® 4.1 technology for 4hrs play time  
Light weight design comfortable wearing  
Built-in microphone  
Answer phone calls with multi-control button  
Built-in rechargeable lithium battery  
Supplied with USB charging cable.

- Driver Diameter: 9mm for extra bass
- Frequency: 20-20,000Hz
- Sensitivity: 90dB +/- 3dB
- Impedance: 16ohms (+/- 10%)
- Connection: up to 10M

#### Code

MHF9007



### BLUETOOTH EARPHONE WITH MIC

#### BLUETOOTH 4.0

Bluetooth® stereo sport earphone is a light and portable earphone. The specially designed ear piece has an ergonomic shape and is designed to fit nicely to your ear and is comfortable to wear. The earphone is made with sweat-proof materials so it is suitable to use while you are exercising. The earphone is compatible with smartphones and devices that use Bluetooth. It has a mic for answering calls. It is rechargeable through a micro USB port and a USB charging cable is included (requires USB power).

- Portable lightweight and sweat-proof design
- Built-in microphone for handsfree
- Answer / end-call button
- Built-in rechargeable Li-ion battery

#### Code

CBH037



### BLUETOOTH EARPHONE WITH MIC - DUAL NFC

#### BLUETOOTH 4.1

It can connect to two Bluetooth® devices at the same time which is convenient if you are carrying two smartphones, or one mobile and a tablet. This earphone has two noise cancelling build-in mic and vibration alert for answering the phone. It also support NFC for easier pairing. Li-ion battery for up to 8 hours usage, 240 standby and can be recharge with the included charging cable.

#### Code

CBH621







## BLUETOOTH STREET STEREO

Foldable neck-band Stereo headphone set Listen & control music from a multimedia phone or optional transmitter Volume, FF/Rew, Answer. Hands-free mic inbuilt 240V/USB Charger Inc.

Code  
CBH879



## BLUETOOTH NECKBAND HEADSET

### BLUETOOTH 4.0

The light Bluetooth® stereo headset can play audio from your smartphone or other Bluetooth® enabled media players. The unique around-the-neck design is comfortable and the internal rechargeable battery can last up to 10 hours of use. This headphone can also be used for answering calls on your smartphone, it has a vibrating alert function to let you know if there are incoming calls. With the built-in mic that features noise suppression and echo cancellation, you can take phone call by simply pressing the call button. Intuitive controls.

Code  
CBH730



## BLUETOOTH CLIP ON HEADSET WITH MIC

### BLUETOOTH 4.0

The high definition Bluetooth® stereo clip on receiver and earphone offers clear quality sound. It can be used with smartphone and other media devices that are compatible with Bluetooth® 4.0 standard. It has 2 components. The receiver is for transferring audio from your Bluetooth® to your earphone wirelessly, you can also answer calls with the built-in mic like a handsfree device. At the back of the receiver, it has a convenience collar clip. The other components is a 3.5mm earphone that plays high quality audio.

Code  
CBH035



## BLUETOOTH OVER EARSET

Excellence in quality and fashion by Cellink All have inbuilt long range Li-Ion batteries and also have a 240Vac Mains Charger included.

Code  
CBH1009



## EARMUFFS BLUETOOTH AM/FM BULLANT

### WITH LCD DISPLAY

Stereo AM/FM Radio. Built in Bluetooth module. Handsfree, listen to music after pairing to other Bluetooth devices. 3.5mm Auxiliary input jack for connection to other Audio devices. LCD display for clock and frequency display. Built-in microphone.

Comfortable ear pads & adjustable headband. Optimised hearing with high amplification. Operated by 3 x "AAA" batteries. Optional rechargeable battery, sold separately, is rechargeable through a micro USB port.

Code  
ABA840



## EARMUFFS BLUETOOTH AM/FM BULLANT - PTL

### WITH LCD DISPLAY

Stereo AM/FM Radio. Built in Bluetooth module. Handsfree, listen to music after pairing to other Bluetooth devices. 3.5mm Auxiliary input jack for connection to other Audio devices. LCD display for clock and frequency display. Built-in microphone.

Comfortable ear pads & adjustable headband. Optimised hearing with high amplification. Operated by 3 x "AAA" batteries. Optional rechargeable battery, sold separately, is rechargeable through a micro USB port.

### Optional PTL feature.

Push-To-Listen is a button that mutes music, etc. and instead amplifies the microphone so you can listen to someone without removing the earmuffs.

Code  
ABA940







# Audio Speakers & PA

## Wireless Headphones

### DIGITAL WIRELESS HEADPHONE

#### PC-USB or ANALOGUE INPUT

USB Digital Wireless Headphones using the latest digital 2.4GHz wireless technology enables you to personally enjoy music, movies, from PC, TV, or any music source plus you can also Skype or chat while gaming on your PC. USB or Analogue dock allows easy wireless connection to any of your audio devices, e.g. iPod/iPhone®, MP3, TV, HiFi and CD Player, etc.

High definition 5Hz-22KHz 0.1%THD digital transmission 2.4GHz

Docking Station for charging and Analogue to Digital converter

Connection leads and power pack Included

Headphone inbuilt rechargeable battery

Headphone 20Hz ~ 20KHz 0.25%THD

S/N Ratio: 80dB full HiFi stereo audio

- USB - Wirelessly connect to your Windows® PC via the included USB Dongle.
- 3.5mm - Desktop docking module converts 3.5mm analogue for the USB dongle.
- 25M - Noise-free wireless up to 25 metres for comfortable tangle-free listening.
- Control - Buttons on the headphone allows adjustment of volume and change track.
- Built-in remote control is compatible with Windows Media® Players, iTunes®, Skype, etc.
- Mic - Support Skype or chat with its built-in mic. COMM button for mic answer/mute.
- 5Hrs - Built-In rechargeable battery for the headphone which lasts up to 5 hours.
- Recharges from dock or any USB power source. (USB to Mini-USB lead included)
- Cord - Hard Wired option with the included 3.5mm headphone lead (2 metres).
- HiFi - Extra comfort, enclosed ear pieces. Big bass HiFi sound. Folds flat for storage.



Code

DHP390

#### REPLACEMENT EAR PADS

Code

HEP390



### WIRELESS HEADPHONES

#### DIGITAL 2.4GHz ULTRA-CLEAR STEREO SOUND

- 31 Channel Auto-hopping wireless headphones with transmission docking base that holds and charges headphones. RCA stereo analogue input.
- Supplied with 2x NiMH AAA batteries and cable set and power pack
- Transmission range up to 30 metres with clear noise-free stereo
- Replaceable rechargeable batteries charged through docking station
- High comfort thanks to the flexible frame and soft ear cushion
- Changeable ear cushions, Good sound isolation. Long term comfort
- Volume adjust and on/off switch. 30Hz to 20kHz 0.5% THD 75dB.

Code

DHP380A



#### EXTRA HEADSETS

Replace damaged or lost phones or add extra headsets up to as many as required to use the one common source transmitter. Headphones with rechargeable batteries.

Code

DHP382A



#### EXTRA EARPADS

Code

HEP382

#### EXTRA BATTERIES

Code

RB382

### CORDLESS HEADPHONES INFRA-RED

Transmits stereo audio signals from a 3.5mm stereo audio source to your IR headphone without wires. Uses high-frequency IR opticals to carry the audio signal, ensuring clear, sharp reception, without radio interference. Requires line of sight to operate. Rechargeable batteries for powering the headphones, recharged by the base transmitter station.

Code

IR430

#### HEADSET ONLY

Headset only. To be used with IR transmitter base station sold separately. Ideal for use as system expansion to multiple headsets, as in classrooms, etc. Rechargeable batteries included for powering the headphones, recharged by the base station.

Code

IR432

#### EARPADS

Code

HEP430







## □ Premium Headphones

### YOGA PRESTIGE HEADPHONES

#### DELUXE SUPER-COMFORT

Beautifully warm home audio. Relax with comfort listening. Wide frequency response with enhanced low-end deep bass. 50mm driver Neodymium magnet for high output premium audio. Large outer ear soft cups. Circumaural for isolation. Adjustable padded head band Foldable for compact storage. Swivel ear cups to flat or DJ one handed operation. Detachable headphone lead. Supplied with two cables; 3 Metre straight cord and also a 3M curly cord. OFC with gold plated plugs Screw-on 6.35mm-3.5mm adaptor plug 50x100mmØ Cups. 275g total. 10Hz-22KHz 96dB 24Ω 3000mW Neodymium 50mm Diameter Driver.

Code  
CD-300

**Yoga**



### PRO HIFI HEADPHONES

Superior sound Neodymium. Wide band audio 38mm driver. Soft cup closed ear design for comfort and isolation. Premium audio HiFi sound deep extended warm bass clear open mids & highs for low fatigue listening. Good to medium isolation. Strong built & flexible. Good quality unit suits home audio to PC to DJ Single-sided straight cord 1.2M High efficiency output Soft PU leather earpads 45x80mmØ closed ear cups Light 180g including cable 20Hz-20KHz 95dB 32Ω

Code  
CD68

**Yoga**



### USB DIGITAL HEADPHONES

#### USB ONLY

Digital headphones for direct digital connection to a computer or laptop via the USB-2 Port. Windows™ No sound card required. Stereo digital converter. Premium 38mm earphone units

Code  
AM835U

**USB**  
UNIVERSAL SERIAL BUS







# Audio Speakers & PA

□ Headphones with Street Cred'

## NOONTEC PREMIUM HEADPHONE

### RESTORE THE SOUL OF THE MUSIC TO YOUR PERSONAL LISTENING !

The Musical enthusiast's compact headphone with excellent build craftsmanship. The Noontec "Zoro" delivers you highly accurate audio performance to restore the soul of your music listening. Exclusive technology for superior sound quality. 40mm high-quality neodymium magnet speakers, low frequency port chamber, low-loss, long-life OFC audio cable. Produces solid low frequency depth with a clear, balanced sound stage. Zoro brings you a studio perfect, precise and dynamic music performance. Light weight and strong for portable use. Quality sound, long term listening for games and audio at home, the office or on the bus. Supplied with storage pouch & 1.2 Metre 3.5mm stereo audio cable that is flat so won't tangle or knot. Zoro faithfully reproduces every detail and textures of the music that moves you.

- Excellent quality natural sound
- Low Frequency Bass Extension
- Fold-up Design. Trendy in style.
- Adjustable headband.
- Cotton material ear muff.
- Steel reinforcement
- Stylish piano finish in 3 colours.
- Protein ear cotton material
- Flat OFC cable won't break or knot
- Gold plated Plug-in audio cable

# noontec®

Better Media Player

Noontec present

Colour	Code
Black	NT-HP1000BK
White	NT-HP1000WH
Red	NT-HP1000RD



## SPORTS EARPHONE

### SWEAT RESISTANCE EARPHONE WITH SILICON STRIP

Sports neckband earphone  
SHBSS (Super Heavy Bass Sound System)  
Light weight and easy to carry  
Soft silicone cover for comfortable fit

- Frequency: 20-20,000Hz
- Sensitivity: 100dB +/- 3dB
- Impedance: 32ohms (+/- 10%)
- Rated power: 2.5mW
- Cord Length: 1.2M
- Connection: 3.5mm

Code  
HP401



## COBY STREET STYLE HEADPHONES

NEW Neckband type. Samarium Cobalt  
30mm Super-Bass. Single sided 1M cord.  
3.5mm stereo plug.

Code  
CV220



# COBY





## YOGA COMPACT HEADPHONES

### SMALL SIZE - HIGH PERFORMANCE

Light weight portable design with excellent audio quality Neodymium motor system gives improved low-end bass response open mids & sharp highs for long term listening pleasure. Soft pad Supra-aural open style Quality and feel are excellent Sound quality is home hifi for audio comfort listening but light weight small size for premium audio on the move Padded adjustable headband Attractive black & chrome High efficiency output Soft PU leather earpads 15Hz-20KHz 107dB 32Ω 50mW Neodymium 30mm Diam. Driver 1.2 Metre Cord 3.5mm Plug 25x50mmØ open ear cups Light 85g including cable

Code  
CDS55

**Yoga**



## STYLISH BASS HEADPHONE

### 3.5MM QUAD W/ INLINE MIC

Stylish design with Super Bass audio Foldable headband for easy carrying Fabric texture for a comfortable fit Built inline mic and answer button Suitable for phones and iPods®, etc.

- Driver unit: 40mm
- Headphone cups: 65mmØ
- Frequency: 20-20,000Hz
- Sensitivity: 105dB +/- 5dB
- Impedance: 32 ohms
- Plug: 3.5mm Quad
- Cable length: 120cm

Code  
HP1002



## STEREO HEADPHONES WITH VOLUME LIMIT

### WITH KIDS SAFE VOLUME LIMIT OF 85dB MAX!

The compact stereo headphones feature high performance neodymium drivers for deep bass sound. Designed for children, it has a 85dB limit to avoid producing too much volume to damage children's ears. It has a right angled 3.5mm stereo plug.

Code  
CVH140

**KIDS SAFE  
85dB MAX!**



## COBY FOLDABLE HEADSET KIT

### 2-IN-1 COMBO PACK

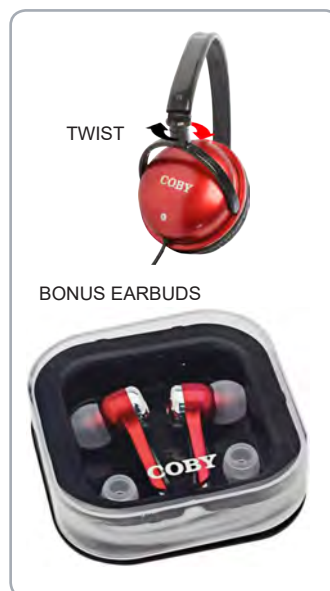
High-performance neodymium 40mm driver deliver deep bass. Unique ear cup design with comfortable padding. Self-adjusting swivel cups. Adjustable headband. Gold-plated 3.5mm plug. Bonus ear-buds. Metallic red colour. Both packaged together.

Code  
CV140



TWIST

BONUS EARBUDS



**COBY**

**jammerz ultra**







# Audio Speakers & PA

## Over Head Headphones

### TITAN CLOSED HEADPHONES

Closed ear-cup comfort design. High performance 40mm drivers with super bass dynamic sound. Large comfortable earpads for extended listening periods and reducing external noise. 1.5m cord 3.5mm gold plated plug. 220g 20Hz-20KHz 90dB 32Ω

Code  
CV320



### FOLDING HEADPHONES

#### FOLDS FLAT FOR EASY STORAGE

40mm Speaker Drivers. Sturdy construction. 90° rotating driver for safe storage. Comfortable fitting. Adjustable head band. 20Hz-22,000Hz 32Ω. Sensivity:105db @ ± 3dB. 1.8M Cable Length 3.5mm plug.

Code  
HP100



### COBY HIGH QUALITY HEADPHONES

High performance 40mm drivers with super bass, professional styling and large comfortable earpads for extended listening periods. Blister Packaged Neodymium drivers 3.5mm plug. 6.35mm adaptor. 20Hz-20KHz 103dB 32Ω 2M cord.

Code  
CV200



**COBY**

### COBY SLIMLINE HEADPHONES

Lightweight design 30mm Super Bass 3.5mm stereo plug

Code  
CVH47

#### BULK NO PACKAGING

**BULK** Lightweight design 30mm Super Bass 3.5mm stereo plug no packaging

Code  
CVH48

**COBY**



### COBY SUPER BASS HEADPHONES

Featuring twin bass ports for enhanced acoustics and powerful bass response. Attractive modern design. Powerful 40mm Neodymium drivers. Single side 2M cord. Blister card. Gold plated Plug 3.5mm. 20Hz-22KHz 110dB 32Ω. With volume control.

Code  
CV130

**COBY**



### ULTRA-LIGHT WEIGHT HEADPHONES

#### ULTRA-LIGHT WEIGHT

Blister card packed or bulk. 1.2M 3.5mm 94dB 32Ω. No Adaptor supplied.

Packaging	Code
Blister	HP460
Bulk	HP450



### COBY DYNAMIC STEREO HEADPHONES

Professional digital sound quality. Adjustable head band for maximum comfort. High-performance 40mm neodymium drivers. Open air design. Gold plated 3.5mm R/A stereo plug. 1.2M cord, 20-20000Hz 112dB 32Ω.

Code  
CVH89

**COBY**



### LIGHT WEIGHT HEADPHONES

Good quality Ultra-light weight with adaptor (3.5mm to 6.35mm) and spare earpads. Blister packed.

Length	Code
3M	HP501
6M	HP506







## Headsets

### HEADSET 40MM

#### COBY LIGHT-WEIGHT

Unique ear cup design with comfortable padding for extended listening, high-performance 40mm neodymium drivers. Adjustable boom microphone for optimum voice pick-up. Single side 1.8M cord. Adjustable head band. Gold plated 3.5mm plugs 20-20000Hz, 100dB, 32Ω with volume control. Perfect for multimedia applications.

Code  
CV-M361



### HEADSET 40MM

Neodymium driver. Enclosed ear cups. Foldable headband. 2.5M cord with inline microphone and volume control. Two 3.5mm plugs.

Code  
HP1009



### HEADSET 27MM

Multi-media headset WITH VOLUME CONTROL compact comfortable with adjustable boom mic. Two 3.5mm stereo plugs. Electret condenser mic. Long 2 Metre cord. Quality Yoga components.

Code  
EM174



### PC HANDSFREE EARPHONES WITH MIC

#### RETRACTABLE CORD 1.2M

Handsfree style earphone with mic. PC type dual 3.5mm plug system.

Code  
CL1015



Includes 2.5mm stereo adaptor and an early Nokia 2.5mm Quad & DC plug adaptor.

### HEADSET IN-LINE MIC

#### VOLUME & MIC LAPEL

Multi-purpose headphone. Can be used as a headset with the inline mic or as normal audio headphones. Excellent Sound Quality. Adjustable headband with comfortable ear pads. Inline Mic & Volume Control. 20-22KHz 32Ω 105dB Dual 3.5mm Plugs

Code  
MD207B



### NECK HEADSET 36MM

Quality 36mm neodymium drivers Flexible, behind the head design fits comfortably and packs easily Great for voice & video chat, multiplayer gaming, and music listening Microphone volume controller (High-Low mute).

Code  
HP404



### USB MULTIMEDIA HEADPHONE

USB 2.0 multimedia headphone with MIC. Slim stereo design with volume control, speaker mute & mic mute functions. 2M high quality cable. Ø40mm high quality speaker driver. Adjustable mic. Plug n play, easy to use.

Code  
HP1008



### 3.5mm PC TO QUAD ADAPTOR

#### STEREO 3.5MM PLUGS (PC) TO QUAD 3.5MM SOCKET

The adaptor allows the use of a mobile phone type handsfree head set with quad plug on a computer that has separate speaker and microphone ports. Length: 17cm

Code  
AD921







# Audio Speakers & PA

## □ Earphones

### CANAL EAR PHONES - CLASSIC

#### CLASSIC STYLE

Canal Phones are designed for isolating the wearer from external noises for a more rich & immersing HiFi audio experience. Soft silicone ear-buds fit comfortably in the ear canal giving clear precise sound & better bass performance in a very compact package. Good comfort fit. Neodymium magnet. Copper Clad Aluminium Wire voice coil 10mmØ driver unit 1.2M Y-flex cable 3.5mm stereo plug Soft silicone buds Two sizes supplied 10Hz-20KHz 106dB

**yoga**



#### Colour Code

Black	CD268BK
White	CD268WH

### DELUXE EARBUDS PREMIUM

#### WITH VOLUME CONTROL UNI-TONE

Comfortable Premium sound Q Bass port design Neodymium magnet 1.2M cord. 3.5mm Carry pouch.

#### Code

SL760



### CANAL PHONES OVER NECK

#### EXTRA-COMFORT

Good comfort fit & excellent value intra-aural head phones. Neodymium magnet with CCAW voice coil. 1.0M flex cable with Over-neck feed. 10mmØ driver unit. 3.5mm R/A plug Soft silicone buds. Two sizes supplied. 10Hz-20KHz 103dB

**yoga**



#### Colour Code

Black	CD1BK
White	CD1WH

### COBY PREMIUM EARBUDS

#### NEW "L" SHAPE STYLE

Neodymium Drivers "Grip" Ear-buds Super-bass ported Neck-strap type 3.5mm Plug.

#### Code

CVE97WH



**COBY**

### COBY RUBBER EARBUD

#### WITH VOLUME

Neodymium Drivers Soft earbud design Sound isolating type rubber inserts Blister packaged Volume control White & Silver

#### Code

CVE91



**COBY**

### COBY PREMIUM EARBUDS

#### NEW "L" SHAPE STYLE

Neodymium Drivers "Grip" Ear-buds Super-bass ported Neck-strap type 3.5mm Plug.

#### Code

CVE97BK



**COBY**





## PREMIUM PERFORMANCE EARBUDS

### 3.5mm PLUG 4 PIN W/ MIC

Unique ergonomic design  
Inline Microphone control for smart phones  
Deep rich bass sound  
Modern design flat cable  
Built-in microphone included

- Driver unit: 8mm
- Frequency: 20-20,000Hz
- Sensitivity: 100dB +/- 5dB
- Microphone sensitivity: -58dB (+/- 5dB)
- Impedance: 32ohms (+/- 10%)
- Plug: 3.5mm
- Cable length: 120CM (+/- 5%)

Code  
MHF9001



## 3.5MM QUAD EARBUDS

Mini earbuds for replacing  
iPhone® & iPod® units.

Code  
MHF9003



## COBY STEREO EARBUDS

Super Light Weight  
Mini Ear-bud design.  
Blister packaged.  
3.5mm RA Plug.

Code  
CV-E05

**COBY**



## IPHONE® EARBUDS APPLE®

### 3.5mm PLUG 4 PIN W/ MIC

Mini stereo earbuds with inbuilt  
microphone and inline volume  
& answer buttons to suit mobile  
phones like iPhone®, etc.  
OEM Premium product in  
Cellink blister packaging.

Type	Code
Original	MHF9005
Cellink	MHF9006



## EARBUDS 2.5mm

Packaged in a reel-in case.  
20Hz-20KHz 32Ω Mylar speakers  
Ferrite magnets. 2.5mm Stereo.

Plug	Code
2.5mm	MHV1-25



## MAGNETIC EARBUDS

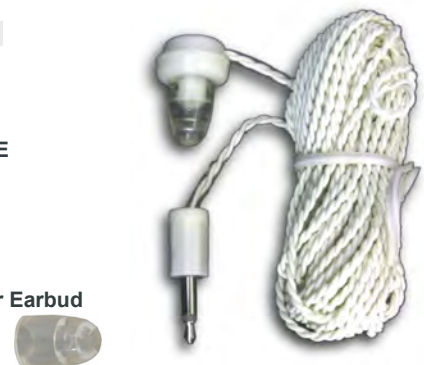
Plug	Cord	Code
2.5mm	1M	EP25-3
2.5mm	2M	EP25-6
3.5mm	1M	EP35-3
3.5mm	2M	EP35-6
3.5mm	3M	EP35-18

## CRYSTAL EAR PIECE

Plug	Cord	Code
3.5mm	1M	EP35C

## Replacement Rubber Earbud

Code  
EB-TIP







# Audio Speakers & PA

## □ Safety Earmuffs

### BLUETOOTH WORKSAFE EARMUFFS BULLANT

#### WITH LCD DISPLAY & PUSH-TO-LISTEN BUTTON

Stereo AM/FM Radio. Built in Bluetooth module. Handsfree, listen to music after pairing to other Bluetooth devices. 3.5mm Auxiliary input jack for connection to other Audio devices. LCD display for clock and frequency display. Built-in microphone for phone and PTL.

Comfortable ear pads & adjustable headband. Optimised hearing with high amplification. Operated by 3 x "AAA" batteries. Optional rechargeable battery, sold separately, is rechargeable through a micro USB port.

#### Optional PTL feature.

Push-To-Listen is a button that mutes music, etc. and instead amplifies the microphone so you can listen to someone without removing the earmuffs.

Code  
ABA940



### BLUETOOTH WORKSAFE EARMUFFS BULLANT

#### WITH LCD DISPLAY

Stereo AM/FM Radio. Built in Bluetooth module. Handsfree, listen to music after pairing to other Bluetooth devices. 3.5mm Auxiliary input jack for connection to other Audio devices. LCD display for clock and frequency display. Built-in microphone for phone and PTL.

Comfortable ear pads & adjustable headband. Optimised hearing with high amplification. Operated by 3 x "AAA" batteries. Optional rechargeable battery, sold separately, is rechargeable through a micro USB port.

Code  
ABA840



### AM/FM EARMUFFS BULLANT

Sound Level Conversion (SLC80) Class 1 A/NZ Standard 1270:2002 Noise reduction ear protection With built in AM/FM Stereo Radio and 3.5mm input connection for listening to iPods®, MP3, etc. Requires 2x "AA" Batteries.

Code  
ABA330S



### AM/FM EARMUFFS WITH AUX BULLANT

#### AUX INPUT FOR IPOD®, etc.

Block out external noise and listen to your favourite AM/FM radio station, or connect these Earmuffs to your multimedia device (such as an iPhone®, iPod®, etc) via the external 3.5mm aux audio input. Can act as hearing protection equipment: Reduces noise by 15-20dB.

Code  
ABA430



### PASSIVE EARMUFFS

#### REAR METAL BAND

Designed to fit comfortably while wearing a safety helmet the band fits behind the neck. Quality made light-weight Weather resistant long-life Soft cushion full earpads Bright yellow and black.

Code  
ABA101

AS/NZS 1270.2002  
SLC80:17:CLASS 2



### EAR PLUGS

#### RE-USABLE CORDED

2 Pairs of reusable earplugs. Washable & comfortable to use. Orange with soft nylon cord.

Code  
ABA102



AS/NZS 1270.2002  
SLC80:17:CLASS 2

### EAR PLUGS

#### FOAM EARPLUGS

Super comfortable malleable foam 3x separate pairs in sealed bags

Code  
ABA106







## Headphone Accessories

### 3.5mm TO 6.35mm ADAPTOR

3.5mm Socket to  
6.35mm Plug Stereo

Code  
AD212



### 6.35mm TO 3.5mm ADAPTOR

6.35mm Socket to  
3.5mm Plug Stereo

Code  
AD122



### 3.5mm TO 2.5mm ADAPTOR

3.5mm Socket to 2.5mm  
Plug Stereo

Code  
AD112



### 3.5mm STEREO TO MONO

Stereo 3.5mm Socket  
to Mono 3.5mm Plug  
Stereo to mono

Code  
AD113



### 6.35mm SPLITTER

6.35mm Plug to two 6.35mm  
Sockets Stereo Adaptor

Code  
AD2220



### 6.35mm TO 3.5mm SPLITTER

6.35mm Plug to two 3.5mm  
Sockets Stereo Adaptor

Code  
AD2210



### 3.5mm SPLITTER

3.5mm Plug to 3.5mm  
Sockets Stereo Adaptor

Code  
AD1210



Code  
AL725



### 3.5mm TO 2x RCA

3.5mm Plug to 2X  
RCA Sockets

Code  
AD1230



### AIRLINE HEADPHONE ADAPTOR

Dual 3.5mm Mono Plugs to a  
single stereo 3.5mm socket.

Code  
AD215



### 2.5mm TO 3.5mm LEAD

2.5mm Plug to  
3.5mm Plug. Stereo

Code  
ADM125W



### HEADPHONE EXTENSION

Plug to Socket Stereo

Plug	Length	Code
3.5mm	1.8M	AL726
3.5mm	3.0M	AL727
3.5mm	5.0M	AL728
6.35mm	8M	AL732
6.35mm	8M	AL736



### 5 PORTS 3.5MM STEREO

3.5mm Plug to five 3.5mm Jacks.  
Splits to multiple headphones

Code  
AD1206



### 3.5mm CONNECTOR LEAD

3.5mm stereo lead.  
Male to Male Connectors.

Length	Code
0.8M	MP146R
1.2M	AL720
1.5M	AL721
2.0M	MP146S
2.0M	MP146
3.0M	AL722
5.0M	AL723
10M	AL7210



MP146: White with deluxe packaging.  
MP146S: Black curly cord deluxe packaging.

### 3.5mm SOCKET TO RCA LEAD

3.5mm Socket TO RCA  
Stereo Lead 10cm

Code  
AL638



### 3.5mm PLUG TO RCA LEAD

3.5mm Plug to RCA Stereo  
AL657 Right Angle Plug 3.5mm

Length	Code
1.5M	AL656
1.5M R/A	AL657
3M	AL658
5M	AL659



### 3.5mm PLUG TO RCA LEAD PREMIUM WHITE PEARL

3.5mm plug to RCA  
OFC & Gold Plugs

Length	Code
1.5M	CXS1450
3.0M	CXS1452
5.0M	CXS1454



### EAR BUD EARPADS

Fits mini earbuds.  
4 pieces per pack.

Size	Code
10mm	HEP5
14mm	HEP10



4x EARPADS  
EARBUDS NOT INCLUDED

### EARPAD 27mm

Fits \*27mm cup  
Suit HP501, etc.  
Approximate size\* 4  
pieces per pack

Code  
HEP20



### EARPAD 37mm

Fits \*37mm cup Black  
foam pads Approximate  
size\* 4 pieces per pack

Code  
HEP30



### EARPAD 50mm

Fits \*50mm cup  
Black foam pads.  
Approximate size\*  
Two pieces per pack

Code  
HEP50



### EARPAD 60mm

Fits \*60mm cup  
Black foam pads  
Approximate size\*  
Two pieces per pack

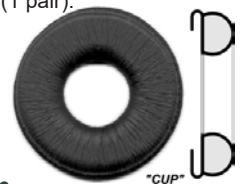
Code  
HEP60



### EARPAD 80mm

A material hem fits over 80mmØ rim.  
specifically HP800 headphones  
and suits many other phones.  
Two pieces per pack (1 pair).

Code  
HEP80



### EARPAD 100mm

Fits 100mmØ cup.  
eg. Philips HP250 &  
HP480, and many  
others. Soft cloth.  
Two pieces per pack.

Code  
HEP100







# Audio Speakers & PA

□ Speaker Ceiling & Inwall

□ Accento Dynamica [8 Ohm]

## ACCENTO DYNAMICA PREMIUM HIFI 2-WAY 8 OHM

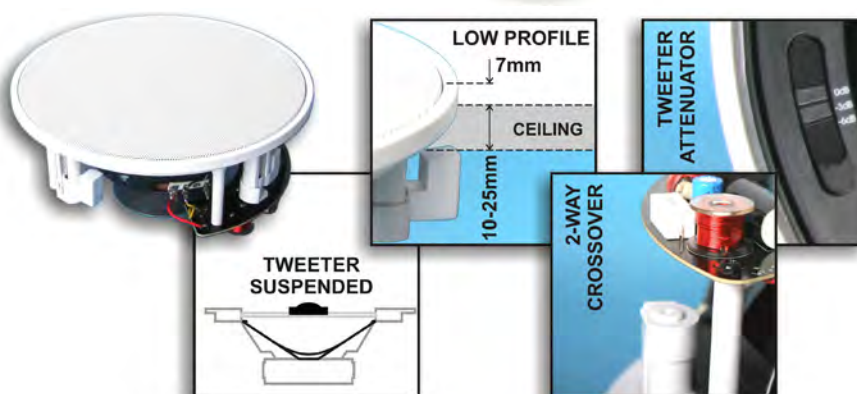
### HIGH QUALITY DESIGN AND CONSTRUCTION WITH DURABILITY

Accento Speakers have been designed to take ceiling and wall mount speakers to a premium level of sound quality with HiFi performance. Attention to detail and quality componentry gives long-term reliability. New Micro-Flanged series offers sleek low profile fascia design for a minimalist non-intrusive installation with modern styling. Arctic white in colour with removable metal grille face plate. Heavy duty mid-woofer is constructed from black fibre-glass material woven to produce a light but rigid cone and inverted dust cap for excellently controlled tight bass with a live natural sound. Mounted in an anodized metal basket with butyl rubber surround for long exertion high SPL efficiency, low resonance and long life durability. The tweeter is mounted separately, suspended clear above the mid-woofer. Mylar 1" dome ferro fluid cooled neodymium magnet for beautiful sound. Matching these two drivers is a correctly engineered crossover befitting this level of performance producing an effective audiophile package. Sold in stereo pairs, this series is ideal as 8 ohm extension speakers.



### MICRO-FLANGED SERIES

Domestic or Commercial Full HiFi  
sound quality Beautifully Finished  
Low profile fascia style Metal Grille  
Removable Back Grille protected  
2-way High Fidelity Fibre-Glass  
Woofer Cone With Inverted dust-cap  
& Rubber Roll Surround Neodymium  
Dome Tweeter with 0-3-6dB  
adjustment 12dB/Octave cross-over  
All long-life Materials High-power  
High-volume Sold In Stereo Pairs  
8-ohm Suit Hifi Systems

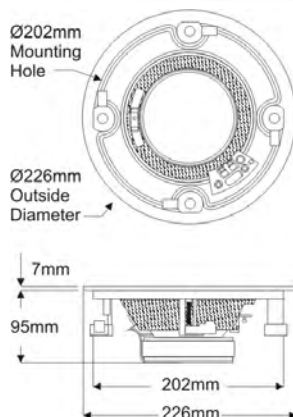


### 6½" 2-WAY

#### MICRO-FLANGED STYLE

25mm aluminium voice coil Black  
fibre-glass cone Inverted dust cap  
Butyl rubber surround Anodized metal  
basket 25mm Mylar dome tweeter  
Ferro fluid cooled Neodymium  
magnet 12dB/Octave cross-over  
8 Ohm. Push terminals High  
89dB/1W Sensitivity Swivel clamp  
mounting Fits a 202mm hole Power  
50Wrms(100Wmax)

Code ADS65M50

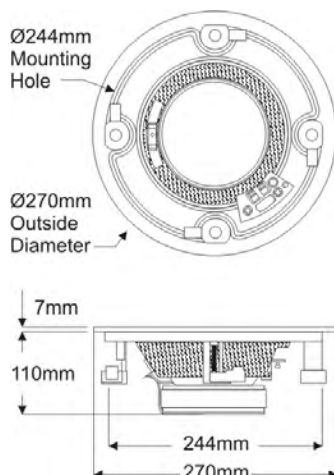


### 8" 2-WAY

#### MICRO-FLANGED STYLE

35mm aluminium voice coil Black  
fibre-glass cone Inverted dust cap  
Butyl rubber surround Anodized metal  
basket 25mm Mylar dome tweeter  
Ferro fluid cooled Neodymium  
magnet 12dB/Octave cross-over  
8 Ohm. Push terminals High  
90dB/1W Sensitivity Swivel clamp  
mounting Fits a 245mm hole Power  
80Wrms(160Wmax)

Code ADS8M80







## STEREO HI-FI CEILING SPEAKER SYSTEMS HiFi 2-WAY 8 OHM

### PREMIUM AUDIOPHILE SOUND

- DOMESTIC OR COMMERCIAL
- BEAUTIFULLY FINISHED
- METAL GRILLE REMOVABLE
- SUPERIOR ACOUSTICS
- OPEN OR SEALED BACK
- 2-WAY HIGH FIDELITY
- KEVLAR WOVEN FIBRE CONE
- NEODYMIUM DOME TWEETER
- TITANIUM COATED MYLAR
- COAXIAL & DIRECTIONAL
- RUBBER ROLL SURROUND
- LONG-LIFE MATERIALS
- HIGH-POWER HIGH-VOLUME
- OVER-DRIVE PROTECTED
- SOLD IN STEREO PAIRS
- 8-OHM SUIT HIFI SYSTEMS

This new series takes Ceiling and In-Wall speakers to the next level of performance! New materials now affordable give superior sound quality and longevity and safety. Coaxial tweeter is swivel mounted so you can focus for clear sound, open & natural listening experience. Neodymium high-flux compact magnet Ferro-fluid cooled 1" mylar dome coated in titanium for crisp highs. Properly 2-Way cross-overed with a Kevlar woven cone for deep tight bass. Long exertion. Butyl rubber surround. Available in open-back or closed-back. Fire retardant plastics to UL-8540T.



### 5 1/4" 175mm 2-WAY KEVLAR & TITANIUM

High performance  
Audiophile grade.  
2-Way coaxial w/ PTC  
Overdrive Protected  
tweeter Titanium  
coated. Kevlar Mid-  
Woofer 8 Ohm for  
HiFi Spring terminals  
O/D Frame 215mmØ  
Hole Mount 175mmØ  
Cavity depth 75mm  
50Wrms 100Wmax  
70Hz-20KHz 88dB

Code  
ADS2550



### 6 1/2" 205mm 2-WAY SQUARE ENCLOSURE

Sealed back box  
Audiophile grade.  
Conventional 2-Way  
PTC Overdrive  
Protected tweeter  
Titanium coated.  
Kevlar Mid-Woofer  
8 Ohm for HiFi  
Spring terminals  
Frame 220x306mm  
Hole 185x271mm  
Cavity depth 105mm  
60Wrms 120Wmax  
45Hz-20KHz 87dB

Code  
ADS3660



### 8" 245mm 2-WAY KEVLAR & TITANIUM

High performance  
Audiophile grade.  
2-Way coaxial w/ PTC  
Overdrive Protected  
tweeter Titanium  
coated. Kevlar Mid-  
Woofer 8 Ohm for  
HiFi Spring terminals  
O/D Frame 280mmØ  
Hole Mount 245mmØ  
Cavity depth 90mm  
80Wrms 160Wmax  
50Hz-20KHz 92dB

Code  
ADS2880



### 6 1/2" 205mm 2-WAY KEVLAR & TITANIUM

High performance  
Audiophile grade.  
2-Way coaxial w/  
PTC Overdrive  
Protected tweeter  
Titanium coated.  
Kevlar Mid-Woofer  
8 Ohm for HiFi  
Spring terminals  
O/D Frame  
240mmØ Hole  
Mount 205mmØ  
Cavity depth 75mm  
60Wrms 120Wmax  
60Hz-20KHz 89dB

Code  
ADS2660







# Audio Speakers & PA

## ACCENTO DYNAMICA PREMIUM QUICK INSTALL HiFi 2-WAY 8 OHM



### TAKES LESS THAN 10 SECONDS!

Rapid installation speaker mounting system Unique Push-To-Release spring mounting clamps spiral fastener auto-fits ceiling depth 10-25mm Use the 1/4" Allen Key (Included) for easy half-turn release of the clamp to remove the speaker. Ideal for time saving with the installers labour A simple & reliable no-fuss mounting process

### KEVLAR DRIVERS

Offers premium sound quality audio & warm bass and also durability in reliable long term operation 12dB/Oct 2-Way crossover. Gold plated terminals.

### TILT TWEETERS

Dampened cavity mylar dome ferro fluid cooled Can be tilted to give directionality to sound and an attenuator switch for softening presence



### 6 1/2" 2-WAY

#### FAST INSTALL

Rapid Push-Release mounting system Quick & easy Install in seconds ! Premium high-end audio sound quality with durable and reliable components Yellow woven Kevlar mid-woofer 6 1/2" Long-life Butyl Rubber roll surround 25mm Aluminium high temp' voice coil Anodised steel frame back grille 25mm Dome tweeter with tilt adjust and a high range attenuator switch 12dB/Octave electronic crossover Arctic white removable metal grille Attractive, reliable, beautiful sound 40Wrms(80Wmax) 87dB 60Hz-20KHz 8 Ohm

Code ADS65F40



### 8" 2-WAY

Rapid Push-Release mounting system Quick & easy Install in seconds ! Premium high-end audio sound quality with durable and reliable components. Yellow woven Kevlar mid-woofer 8". Long-life Butyl Rubber roll surround. 35mm Aluminium high temp' voice coil. Anodised steel frame back grille. 25mm Dome tweeter with tilt adjust and a high range attenuator switch. 12dB/Octave electronic crossover. Arctic white removable metal grille. Attractive, reliable, beautiful sound. 80Wrms(160Wmax) 90dB 50Hz-20KHz. 8 Ohm

Code ADS8F80



### 6 1/2" 2-WAY-1

#### FAST INSTALL

Rapid Push-Release mounting system Quick & easy Install in seconds ! Premium high-end audio sound quality with durable and reliable components Yellow woven Kevlar mid-woofer 6 1/2" Long-life Butyl Rubber roll surround 25mm Aluminium high temp' voice coil Anodised steel frame back grille 25mm Dome tweeter with tilt adjust and a high range attenuator switch 12dB/Octave electronic crossover Arctic white removable metal grille Attractive, reliable, beautiful sound 40Wrms(80Wmax) 87dB 60Hz-20KHz 8 Ohm

Code ADS365F40







## ACCENTO 5 1/4" 2-WAY 8 OHM RECTANGLE CEILING / IN-WALL

### STEREO PAIR AUDIO HOME THEATRE

Modern Micro Flange Style. High End Sound reproduction via twin Mid-Woofer configuration. 25mm Dynamic Silk Dome Neodymium Tweeter with two High Performance 5 1/4" Mid-Woofer's, perfectly matched crossover using high quality components maintains signal clarity and definition. Ideal for home theatre applications for use as front stage Left / Centre / Right using as In-Wall. Also suits high end multi-room audio applications, or as an excellent office, commercial small scale.

Input	8 Ohm
Prms	40W
Pmax	80W
Freq.	62Hz - 20KHz
Sens.	86 +/- 2 dB
Dimensions	346x176x74mm
Code	ADS528



**accento**  
dynamica

Sold in stereo pairs

## ACCENTO 6 1/2" 3-WAY 8 OHM RECTANGLE CEILING / IN-WALL

### STEREO PAIR AUDIO HOME THEATRE

Exceptional sound reproduction delivered from 3-Way System for a full spectrum, quality audio experience. Classic Flange Style. White with white metal grille. 25mm Dynamic Silk Dome Neodymium Tweeter. 1x 5 1/4" Mid-Range Polypropylene. 1x 6 1/2" Kevlar Woofer. Perfectly matched crossover using high quality components to maintain signal clarity and definition with adjustable tweeter brightness control on the front panel. Ideal for home theatre applications for use as front stage Left / Centre / Right using the quick In-Wall installation. Excellent solution high end multi-room audio applications.

Input	8 Ohm
Prms	80W
Pmax	160W
Freq.	50Hz - 20KHz
Sens.	89 +/- 2 dB
Dimensions	330x180x93mm
Code	ADS658



**accento**  
dynamica

Sold in stereo pairs

## ACCENTO SQUARE FRAME

### 6 1/2" / 8" 2-WAY 8Ω or 8" DUAL-CONE 100V

Modern Square frame Ceiling / In-Wall speaker will suit interiors where conventional round is not of choice. Rust-free aluminium white anodised front grille. Available in assorted configurations: 8 Ohm Hi-Fi series featuring two way coaxial design, high performance Kevlar woofer, 18mm Silk Dome Tweeter matched together using a high quality cross-over with adjustable tweeter brightness. The attractive square frame style is also available in an economically practical 8" dual cone 100V version.

#### 8Ω HIFI 2-WAY

Size	6 1/2"	8"
Prms	50W	60W
Pmax	100W	120W
Sens.	88 +/- 2 dB	89 +/- 2 dB
Freq.	60Hz - 20KHz	55Hz - 20KHz
Input	8 Ohm	8 Ohm
Dimensions	240x240x75mm	255x255x100mm
Mount	Swivel Tabs	Metal Bracket / Frame
Code	ADS680	ADS860



**accento**  
dynamica

#### 100V PA DUAL-CONE 8"

Input	100V
Prms	20W
Pmax	40W
Freq.	90Hz - 20KHz
Sens.	90 +/- 2 dB
Taps	6W/3W/1.5W
Size	8"
Mount	Metal Bracket / Frame
Code	ADS800



Sold in pairs

Sold in singles





# Audio Speakers & PA

□ HiFi 2-Way [8 Ohm]

## 6½" MARINE GRADE OUTDOOR SPEAKER

Tough robust speakers designed for resistance to corrosion in harsh conditions such as on boats, RV's or wherever a speaker requires to be weather resistant. These speakers are made from polypropylene and the frame, magnet and grille are encased in a tough "off white" plastic.

Code  
MSPK7



**BENELEC**  
Professional Wireless Solutions

## 4" CEILING SPEAKER TILT HiFi

"AIM" THE DRIVER FOR BETTER SOUND

Ball-In-Socket design fully enclosed speaker Adjustable angle of entire driver assembly for improved HiFi sound stage imaging & efficiency Sturdy white ABS plastic unit with metal grille Sealed back for dust free & weather resistance Polyprop 4" woofer with butyl rubber surround. Coaxial 1" Neodymium tweeter doped cloth cone Excellent quality from Daichi (Philippines)

2way 100Hz to 20KHz  
7cmØ 8Ω 25W max 90dB/m Tilt 0-20° Aim  
Hole 195mmØ  
O/D 110(d) x 220mmØ  
Sold In Singles

Code  
AIM1

**daichi**



## 8" IN-WALL SPEAKERS LARGE ROOM

**8" WOOFER** Grey Coated Vacuum PP with Punching Screen and Santoprene Roll Surround. 10oz Ferrite magnet. 1" 8 Ohm Voice Coil with Nomex Bobbin material. CRS Basket with Rough Matte Black Powder Coated Finish.

**1" NEODYMIUM TWEETER** Treated Tetoron Silver Diaphragm. 1" 8 Ohm Voice Coil with Duralumin Bobbin material. Plastic ABS Swivel Tweeter Cover. Cutout Size: 324mm x 230mm Minimum Depth: 102mm Plastic ABS Grille Bezel and Corrugated Baffle with Heavy Duty Mounting Dog. CRS Punching Screen

- 12dB/Octave Crossover Network
- 30 Watts (min) to 80 Watts (max)
- Sensitivity: 90dB @ 1 Watt/Metre
- Resonant Frequency: 50Hz
- Operating Frequency: 50Hz - 20kHz

**studioacoustics**  
Inspired by Imagination

Code Pair.  
SA280SX \$127.50



## IN-WALL / CEILING SPEAKERS ROUND FRAME HiFi

Full HiFi Quality Speakers, White for mounting in a wall or ceiling cavity. Robust polypropylene woofers with butyl rubber surround. Quality soft dome tweeter on an adjustable pivot for sound focusing. These versatile speakers are suitable for music, DVD theatre, home or commercial installations. White plastic frame with a metal grille. Surfaces can be painted. 2-Way with 1" Mylar tweeter.

### 5¼" 133mm 2 WAY

8Ω 70W Hole = 175mmØ  
O/D = 82mm(d) x 205mmØ

Code  
SA350A

### 6½" 165mm 2-WAY

8Ω 80W Hole = 212mmØ  
O/D = 70mm(d) x 232mmØ

Code  
SA360W

### 5¼" 133mm 2 WAY SX SERIES

Neodymium Dome Tweeter  
8Ω 70W Hole = 175mmØ  
O/D = 82mm(d) x 205mmØ  
Note! Colour is Beige

Code  
SA350SX



**studioacoustics**  
Inspired by Imagination







## 6½" SINGLE UNIT "STEREO-IN-ONE" SPEAKER HiFi

### METAL GRILLE - PAINTABLE

Unique system of twin tweeters gives a stereo sound from a single source driver. Increase spacial aura and sound enjoyment. Full HiFi Quality Speakers 8 ohm input x2 Robust polypropylene woofer with dual 8Ω voice coils. Premium grade neodymium 13mm dome tweeter pair mounted coaxially. 6½" 8Ω 80Wmax (40Wx2) Stereo inputs.

Hole 193mmØ  
O/D 120mm(d) x 216mmØ

Code  
SA365



## FRAMELESS IN-CEILING STEREO SPEAKER SYSTEM

### SPEAKERS SOLD IN PAIRS

These versatile speakers from Studio Acoustics are ideal for both home and commercial use. Whether it is for background music, home theatre surround sound, the powerful speaker pair can produce exceptional quality sound for all occasions. You can use this at your home or in a restaurant or hotel foyer. With the new frameless and paintable magnetic grilles, it is easy to install and fit this with your room décor.

- Frameless/Magnetic Grilles
- Woofer Kevlar Cone 8Ω
- Tweeter 1" (25.4mm) directional/adjustable
- Titanium dome with silk suspension
- 12dB per octave crossover
- Heavy duty mounting clips & spring post terminals

Size	6.5" (165mm)	8" (203mm)
Pmax	80W	100W
Freq.	35Hz-20kHz	40Hz-20kHz
Code	SA600WM	SA800WM



## 6½" & 8" IN-WALL / CEILING SPEAKERS CHROME FRAME HiFi

### STAINLESS-STEEL LIP & GRILLE

Modern clean design suits kitchens and chrome/steel styled decors. Full HiFi Quality Speakers, White for mounting in a wall or ceiling cavity. Robust polypropylene woofers with butyl rubber surround. Quality soft dome tweeter on an adjustable pivot for sound focusing. These versatile speakers are suitable for music, DVD theatre, home or commercial installations. Easy Install Design. 8 to 33mm Thick Wall Swivel Tweeter Unit.

### 6½" 165mm & 1" Tweeter

8Ω 80W Hole = 193mmØ  
O/D = 120mm(d) x 216mmØ

Code  
SASS360

### 8" 238mm & 1" tweeter

8Ω 120W Hole = 238mmØ  
O/D = 100mm(d) x 268mmØ

Code  
SASS380







# Audio Speakers & PA

□ Public Address & 100V Line Speakers

□ Ceiling / Surface Mount PA 100V

## ACCENTO 100V 4" CEILING SPEAKER ENCLOSED METAL BOX

Designed for 100V PA applications. Compact 4" ceiling speaker within an enclosed metal housing. Easy and Quick install with spring loaded tabs. Fits in ø105mm mounting hole.

Input	100V
Taps	6W/3W/1.5W
Size	4"
Prms	6W
Pmax	12W
Freq.	86 +/- 2 dB
Sens.	130Hz - 20KHz
Dimensions	134x94mm
Code	ADS400C

**accento**  
dynamica



## ACCENTO DYNAMICA DUAL-CONE 100V

Excellent cost effective solution Single piece stamped metal frame with a metal grille front fascia Powder coat painted neutral white Sturdy reliable constructed units Paper pulp full range speaker cone Whizzer cone for high end response Spring lever fingers for gyp' mounting Ideal GP announcement & Muzak speaker.

Suitable for most PA type applications, these drivers include a 100V Line transformer with voltage taps via bare wires for in-line type connection enabling multiple speaker setups. For 8 Ohm input, the transformer should be removed and the 8 Ohm input wired to directly.



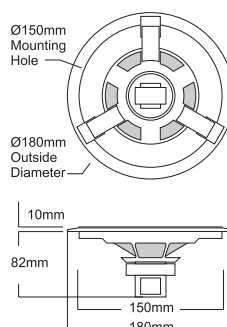
**accento**  
dynamica

### 5¼" DUAL-CONE

#### METAL FRAME

Compact general purpose speaker 110mm Paper pulp cone wide range With whizzer cone for high end Reliable metal construction Neutral white powder coated Finger spring mount system Wide flange (overhang) lip Hole 150mmØ (110-180mmØ) Built-in line transformer 6Wrms(12Wmax) 87dB Sens. Taps 10W-5W-2.5W (8 Ohm)

Code ADS525FT6

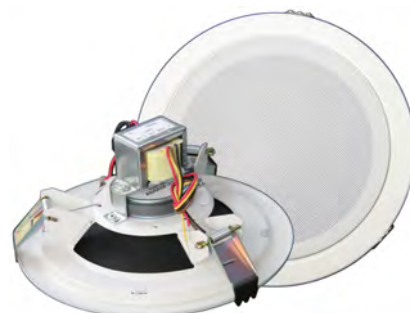
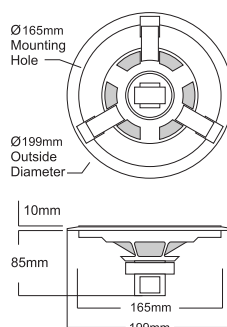


### 6½" DUAL-CONE

#### METAL FRAME

General purpose PA speaker 130mm Paper pulp cone wide range With whizzer cone for high end Reliable metal construction Neutral white powder coated Finger spring mount system Wide flange (overhang) lip Hole 165mmØ (130-200mmØ) Built-in line transformer 10Wrms(20Wmax) 87dB Sens. Taps 10W-5W-2.5W (8 Ohm)

Code ADS65FT10







## ACCENTO DYNAMICA QUICK INSTALL 100V

### TAKES LESS THAN 10 SECONDS!

Super fast installation speaker mounting system. Developed to assist the installer with a rapid time reducing system to save on labour and also a simple & reliable no-fuss mounting process that gives a reliable confident ceiling hold.

### PA 100V LINE SYSTEM

Suitable for most PA type applications, these drivers include a 100V Line transformer with voltage taps via bare wires for in-line type connection enabling multiple speaker setups. For 8 Ohm input, the transformer should be removed and the 8 Ohm input wired to directly.

### DELUXE FACIA FINISH

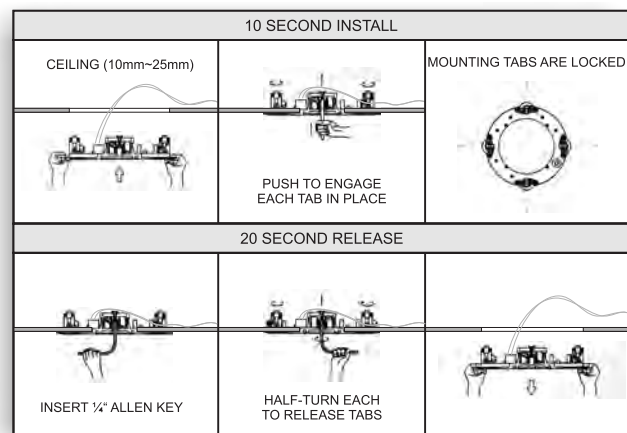
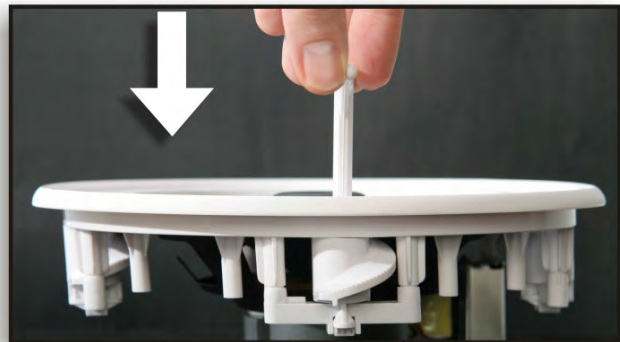
All Accento Dynamica speakers are framed in quality ABS plastic with removable metal grilles.

### SPIRAL CLAMPS INSTALL SYSTEM

A unique Push-To-Release spiral clamp system gives you several advantages over normal clips. The 1st being speed, simply by using any common screwdriver, or the tool supplied, pressing will release the sprung spiral clamps to rotate around until a firm hold takes place holding the speaker. Using a common 1/4" HEX Allen key (Supplied) giving each corner a quick half-turn releases the speaker. The removable metal facia grille covers the access.

### FIRM HOLD

The rotational lever type system gives a firm hold due to the rotational clamping effect, automatically adjusting to the required height of the ceiling/wall materials depth of between 10mm up to 25mm max. This eliminates rattles and baffle sound escaping.



## 6 1/2" 2-WAY 100V

### FAST INSTALL

Rapid Push-Release mounting system. Quick & easy Install in seconds! Quality ABS plastic facia surround. Arctic white metal removable grille. Metal frame & rear protection grille. 25mm Aluminium High Temp voice coil. Paper pulp HiFi mid-woofer speaker. Durable doped cloth roll surround. Centre pole mounted coaxial tweeter. 13mm dynamic Mylar cone tweeter. Includes 100V Line Transformer. Bare wire taps or 8 Ohm direct. 20Wrms(40Wmax) 87dB Sensitivity. 8Ω / 100V Taps: 15W-10W-6W-3W-1.5W

Code ADS65FT15

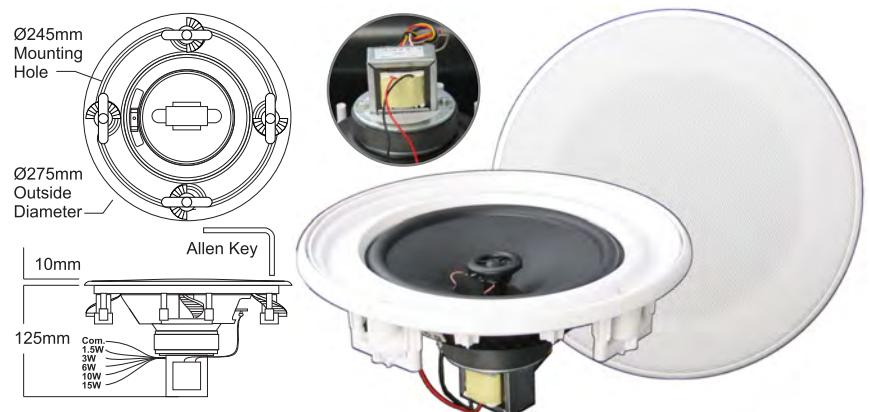


## 8" 2-WAY

### FAST INSTALL

Rapid Push-Release mounting system Quick & easy Install in seconds ! Quality ABS plastic facia surround Arctic white metal removable grille Metal frame & rear protection grille 25mm Aluminium High Temp voice coil Paper pulp HiFi mid-woofer speaker Durable doped cloth roll surround Centre pole mounted coaxial tweeter 13mm dynamic Mylar cone tweeter Includes 100V Line Transformer Bare wire taps or 8 Ohm direct 30Wrms(60Wmax) 87dB Sensitivity Taps: 15W-10W-6W-3W-1.5W

Code ADS8FT15







# Audio Speakers & PA

□ Accento Dynamica Universal [8 Ohm & PA 100V]

## 100V 8 OHM SWITCHABLE-LINE CEILING & WALL MOUNT SPEAKERS

PROFESSIONAL INSTALLATIONS  
SEALED CABINET DESIGN  
PROTECTS SPEAKER BACK  
NO DIRT NO DUST NO VERMIN  
GIVES BETTER BASS AND  
REDUCE CAVITY VIBRATION LOW  
PROFILE SMALL CAVITY FIRE  
RETARDANT MATERIALS SAFETY  
STANDARD UL-8540T 8OHM  
AND 100V LINE INPUT LOADING  
SELECT SWITCH EASY-MOUNT  
INSTALL LUGS FOR QUICK  
INSTALLATION SEISMIC CABLE  
RING GOLD PLATED TERMINALS  
LONG-LIFE RELIABILITY HIGH-  
PERFORMANCE AUDIO



### SAFETY STANDARD UL-8540T

Built to Safety Standard  
Independently Certified  
Underwriters Laboratories  
Injection molded Taitalac  
ABS resin Medium impact  
strength Flame retardant  
UL-94 High melt flow index  
Specified to meet most  
Installation requirements  
Unit will not catch fire Wise  
for any installation Also  
ensures protection from  
grime, dust and critters  
There is an attachment point  
for a safety retention cable.  
Metal grille is removable.



Neodymium Dome Tweeter  
Angle Adjustable



Spring Loaded Vanadium  
Plated Binding Posts



Input Selection Switch  
Seismic Cable Ring



Full 2-Way 12dB Crossover Network  
Premium Audiophile Sound Quality

**accento**  
dynamica

### 5 1/4" 175mm 2-WAY KEVLAR & TITANIUM

Compact design &  
High performance  
Audiophile grade PTC  
Overdrive Protected  
tweeter Titanium  
coated With Kevlar  
5 1/4" Hi-Fi Mid-Woofer  
8 Ohm for HiFi  
1.5W/3W/6W Taps  
Hole Mount 175mmØ  
Cavity depth 140mm  
50Wrms 100Wmax  
66Hz-20KHz 87dB

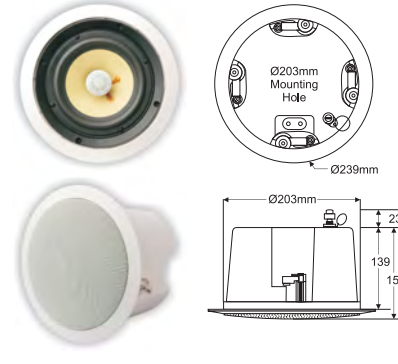
Code  
ADS1550



### 6 1/2" 200mm 2-WAY KEVLAR & TITANIUM

Audiophile grade PTC  
Protected Tilt Directional  
Titanium Mylar Coaxial  
Tweeter Kevlar 6 1/2"  
Woofer Aluminium voice  
coil High power long  
life 8 Ohm Hi-Fidelity  
7.5W/15W/30W Taps  
Hole Mount 203mmØ  
Cavity depth 160mm  
60Wrms 120Wmax  
53Hz-20KHz 88dB

Code  
ADS1660



### 8" 245mm 2-WAY KEVLAR & TITANIUM

Audiophile grade PTC  
Protected Tilt Directional  
Titanium Mylar Coaxial  
Tweeter Kevlar 8"  
Woofer Aluminium voice  
coil High power long  
life 8 Ohm Hi-Fidelity  
12W/25W/50W Taps  
Hole Mount 245mmØ  
Cavity depth 175mm  
80Wrms 160Wmax  
50Hz-20KHz 89dB

Code  
ADS1880



### 8" 245mm 2-WAY POLY LOW-PROFILE

Suitable Small  
Ceiling cavity 2-Way  
coaxial Mylar Tweeter  
& Superior bass  
Polypropylene 8"  
Aluminium voice coil  
High power long life  
8 Ohm Hi-Fidelity  
7W/15W/30W Taps  
Hole Mount 245mmØ  
Cavity depth 125mm  
50Wrms 100Wmax  
45Hz-20KHz 88dB

Code  
ADS1850







## □ Ceiling / Surface Mount PA 100V

### 100V-LINE CEILING SPEAKER 4" - REDBACK

#### 4" 100mm Snap-Fit Type

Fitted with 4 way wire protect terminal block, 22µF bipolar capacitor, transformer safety cover and cable restraint plate as required by Australian standard. "Rat-Trap" type snap closed clamps.  
Power taps: 0.33, 0.66, 1.25, 2.5, 5W  
SPL: 92dB: 100Hz - 15kHz  
Ceiling cutout: 140mm Ø



Code  
PA4100

### 100V-LINE SURFACE MOUNT - REDBACK

#### Above Mounting Cup Type

Installations where you can not cut in a cavity for the driver. Excellent solution for locations like concrete walls, etc. Very quick and easy install. Dual cone driver included with screw terminal line transformer.



4"  
Taps: 0.33, 0.66, 1.25, 2.5, 5W 4" 100mm  
100Hz 92dB 220mmØ x 55mm High

Size Code  
4" PA4122

8"  
Taps: 0.33, 0.66, 1.25, 2.5, 5W 8" 200mm  
75Hz 92dB 310mmØ x 80mm High

Size Code  
8" PA8122



### 100V-LINE LOW PROFILE SPEAKER - REDBACK

#### INDOOR MOUNT - SINGLE

ABS and fitted with powdercoated steel mesh grille. 6" 10W coaxial driver for high performance paging and music reproduction. Attractive speakers mounted either vertically or horizontally. Built in 100V transformer Taps 1.25-2.5-5-10W  
Size 240x330x88mm Sold as single units.



Code  
PA4124

### 100V-LINE HORN SPEAKER - REDBACK

#### OUTDOOR 100V LOUD SPEAKER

180mm Mouth & 270mm Long Includes mounting bracket. 10W 100V Line PA Input Switchable power taps UV Stable ABS plastic Neutral grey in colour 4 Core loop-thru lead Sensitivity is 105dB Maximum OP is 115dB 300Hz to 13KHz (110") Compatible with EWIS and PA emergency type installations. Articulate at speech.



Code  
PA2053

### SPEAKER GRILLE

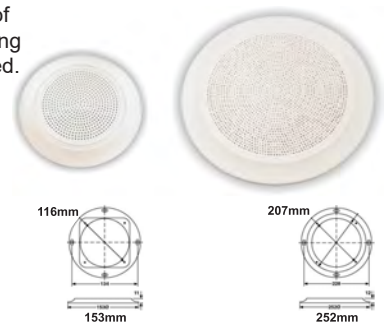
Sturdy one piece grille made of white plastic. Attaches to ceiling or wall with screws not included. White screw caps included.

#### SUIT 4" SQUARE FRAME I/D=100mm, O/D=153mmØ

Code  
CSG4

#### REQUIRES 8" SPEAKER D=200mm, O/D=252mmØ

Code  
CSG8



### 100V-LINE TRANSFORMERS

Step-Up or Step-Down. Quality material for 30KHz bandwidth sound. Adapts standard amps or speakers to 100V.

#### 5W

Taps	Size	Code
0.33 0.66W, 1.25 2.5 5W (8Ω)	36x42x38mm	LT05

#### 15W

Taps	Size	Code
1.25 2.5W, 5W 10W 15W (8Ω)	51x58x48mm	LT15

#### 30W

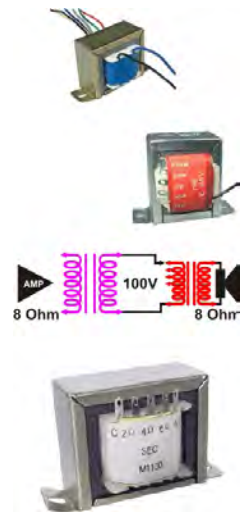
Taps	Size	Code
5W 10W 20W 30W, 8Ω and 4Ω I/O	60x50x50mm	LT30

#### 40W

Taps	Size	Code
5 10 20 40W, 2/4/6/8 Ohm	50x59x52mm	LT40

#### 60W

Taps	Size	Code
10 20 30 60W, 2/4/6/8 Ohm	62x68x62mm	LT60



### CEILING CUTTER

#### ADJUSTABLE 40mm TO 300mm

Professional hole cutter for the Fast installer. Dual, replaceable blades. Pilot hole centring for cutting from both sides giving a maximum of 50mm thickness. Spring loaded clear cowling holds place. Suitable for plaster board & other soft wall & ceiling materials. Suits any standard power or cordless drills.

Code  
PAX265

#### Replacement Blades

Code  
PAB266



### TOOLS

#### GYPROCK SAW

Made Japan Hand Saw  
Two blades supplied

Code  
HT300

#### REPLACEMENT BLADE

Type	Code
PULL	BLD301
PUSH	BLD302



**BOSCH**  
Invented for life

An extensive range of Bosch Public Address audio solutions are available. See the Bosch pages.

SEE TOOL SECTION TOOLS & TEST EQUIPMENT





# Audio Speakers & PA

## Wall Volume Controls

### VOLUME CONTROL WALL PLATE 8 OHM

#### 100W 8 OHM ATTENUATOR STEREO

Volume control stereo with 12 positions of attenuation levels. Resistor type. Includes Australian standard wall plate 100 Watts max. 4 to 8 Ohm speakers.

##### Code

SA1100VC

**studioacoustics**  
Inspired by Imagination



### VOLUME WALL PLATE 100V-LINE

#### REQUIRES 100V-LINE SYSTEM

Designed to control 100V line speaker systems these attenuators. Standard wall plates. They feature 11 position switches for fine adjustment of sound level. All circuitry is housed on a PCB with screw terminals for easy installation. They include override relay for emergency paging applications & a 22µF bipolar capacitor for line monitoring.

Type	Watt	Code
Vertical	10Wrms	PA2260
Vertical	40Wrms	PA2265
Horizontal	10Wrms	PA2262
Horizontal	40Wrms	PA2267

**REDBACK**



### VOLUME WALL PLATE 100V-LINE LARGE

This controller has been designed to install to a double electrical flush box or wall mounting block. Massive 100 watt capacity available. 11 settings plus off. Fitted with a 24V override relay.

Type	100V
Power	100Wrms
Code	PA2339

**REDBACK**



### VOLUME WALL PLATE 100V-LINE BOSCH

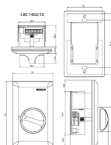
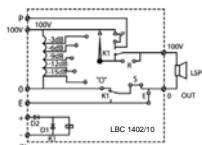
#### PA 100V SWITCHED AUTO-TRANSFORMER

- 12 W and 36 W versions PA 100V input
- Built-in 24 VDC volume override relay
- Suitable for 2, 3 and 4 wire systems
- Complies with international installation and safety regulations



**BOSCH**

Invented for life



Type	Voltage	Watt	Code
5 attenuation steps +Off	100V	12W	LBC1402/10
8 attenuation steps +Off	100V	36W	LBC1412/10

## Speaker Selector Switches

### SPEAKER SWITCH BOX 4-WAY

#### FOUR WAY

Load protected Black metal cabinet Push-in terminals. 3mm cable entry. Foam feet for non-slip non-scratch. Metal box. Over current fuse protected. 160W x 100D x 50H mm Suit 100W 4Ω or 8Ω

A, B, C &/or D in any combination.

##### Code

SA100SW



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Inspired by Imagination

### SPEAKER SELECTOR SWITCH 4-WAY

#### LOAD PROTECTED

100Wrms power protected. Push terminals at rear. Pushbutton select in ANY combination of up to 4 speakers. Amplifier load automatically maintained and protected. Includes Label Stickers. 300x150x55mm

Type	Code
4way	SPS4



### SPEAKER SELECTOR SWITCH 6-WAY

#### PUSH ON/OFF EACH SPEAKER

100Wrms power protected. Push terminals at rear. Pushbutton select in ANY combination of up to 6 speakers 4Ω / 8Ω. Amplifier load automatically maintained and protected. Includes Label Stickers 300x150x55mm



Labels Inc.  
Customise Each Button  
To Your Own Home!



### SPEAKER SWITCH & VOLUME 2 SOURCE 6 ZONE

Designed as a multi-room sound system control centre with six independent stereo volume controls and zone on/off switches. All speakers, or any combination thereof can be played at one time. The internal impedance matching network ensures a constant safe load for your amplifier. Individual A/B switches are used to select between two amplifiers (2x sources). 100Wrms 150x440x46mm.

Type	Code
6way	PA2387



**BOSCH**  
Invented for life

An extensive range of Bosch Public Address audio solutions is available. See the Bosch pages and also the accompanying price list for even more items available...





## □ Accento Dynamica Universal [8 Ohm & PA 100V]

### ACCENTO DYNAMICA HEAVY-DUTY IP55 HIFI & 100V

Fully sealed enclosure designed for extended life outdoors exposed to the elements & weather. Tested to IP55 Waterproof rating. Made from UV resistant materials including an attractively finished, quality ABS plastic. Powder coated metal grille and adjustable mounting brackets. 2 Way system. Mid-woofer with Mica reinforced Polypropylene butyl rubber roll surround and large 8 Oz magnet with vented core. Mylar dome dynamic tweeter. Freestanding or wall mounted. Attractive and stylish. Mounts vertically or horizontally.

**WATER-PROOF SEALED WIRING LOOM 8 OHM / 100V LINE**  
Rear terminals remain sealed by use of a screw type plug & 1ft lead.  
For transformer taps simply connect to the appropriate coloured wire.

#### 5 1/4" 2-WAY ACCENTO DYNAMICA IP55

Woofer 135mm Mica-Poly cone  
Compact 210x140x140mm  
13mm Poly Dome Tweeter  
87dB 67Hz-20KHz 60Wmax  
30W-15W-7.5W / 8Ω

Colour	Black	White
Code	ADS5130BT	ADS5130WT



INGRESS PROTECTION  
TESTED TO RATING IP55  
SUITABLE FOR OUTDOORS

#### 6 1/2" 2-WAY ACCENTO DYNAMICA IP55

**160mm WOOFER**  
Compact 290x215x170mm  
20mm Poly Dome Tweeter  
88dB 58Hz-20KHz 120Wmax  
40W-20W-10W / 8Ω

Colour	Black	White
Code	ADS6200BT	ADS6200WT



### ACCENTO COMPACT CUBE SPEAKER 100V PA

Accento cube speakers are ultra compact with a stylish design that will fit into any decor seamlessly and provide high performance sound reproduction. Available in two colours White or Black. Includes adjustable ball joint mounting bracket to position for best audio experience and seismic cable for safety. Cube size is 87x87x112mm.

Colour	White	Black
Input	100V	100V
Taps	1.5W/3W/6W	1.5W/3W/6W
Prms	10W	10W
Pmax	20W	20W
Freq.	130Hz - 20KHz	130Hz - 20KHz
Sens.	80 +/- 2 dB	80 +/- 2 dB
Code	ADS950WH	ADS950BK



100V Version has  
4 screw terminals  
(ADS950)



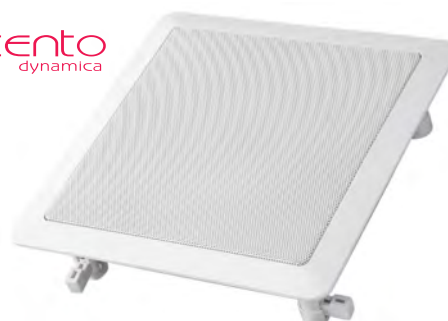
8 Ohm Version has 2  
terminals (ADS320)  
See following pages.

Seismic Safety Cable

### ACCENTO DYNAMICA SQUARE 100V PA

Modern Square frame Ceiling / In-Wall speaker will suit interiors where conventional round is not of choice. 100V PA series utilise a dual cone speaker driver. Metal bracket mounting.

Size	8"
Input	100V
Taps	6W/3W/1.5W
Prms	20W
Pmax	40W
Freq.	90Hz - 20KHz
Sens.	90 +/- 2 dB
Dimensions	255x255x82mm
Mount	Metal Bracket / Frame
Code	ADS800







# Audio Speakers & PA

## □ Box Speakers PA 100V

### ACCENTO DYNAMICA DELUXE SPEAKERS HIFI & 100V

#### 100V LINE PA INPUT TAPS & HIFI 8 OHM INPUT OPTION

Premium 2-Way multi-purpose deluxe style and sound with 8 ohm HiFi inputs for normal stereo or 100V Line Inputs for PA type installations. Rear switch selects 100V Line Taps or 8 Ohm Input option. Weather resistant materials suitable for protected patio, etc or indoor locations. Attractive metal grille and quality plastics to suit luxurious decors.

#### 3½" 2-WAY 50W PAIR

Taps	20W-10W-5W-2.5W / 8Ω
Freq.	85Hz-20KHz
Size	194x130x110mm
Colour	White      Black
Code	ADS3021W-T    ADS3021B-T



#### 5" 2-WAY 80W PAIR

Taps	30W-15W-10W-5W / 8Ω
Freq.	80Hz-20KHz
Size	242x180x140mm
Colour	White      Black
Code	ADS5021W-T    ADS5021B-T



#### 8" 2-WAY 120W PAIR

Taps	60W-30W-15W-10W / 8Ω
Freq.	75Hz-20KHz
Size	360x270x210mm
Colour	White      Black
Code	ADS8021W-T    ADS8021B-T



PREMIUM GRADE  
MATERIALS FOR  
MODERN DECORS

PREMIUM GRADE  
DRIVERS FOR HIGH  
END AUDIO SOUND



Input Selection Switch  
8Ohm + 100V Taps







## □ Speaker Box & Extension

## □ Speakers BookShelf & Extension

### LS3 SINGLE CUBE

#### SOLD INDIVIDUALLY WITH SWIVEL BASE

Fully adjustable swivel design Removable Stand on base or on back Fully shielded for TVs & Monitors Optional Wall mount brackets included Single cube for centre channel or buy multiples for an extended setup. Two required for stereo, etc.) Single 3" driver with Dual-Cone Whizzer Cone for extended response. 6 Ohms, 50 Watts, 90dB. 85mm<sup>3</sup> Frequency response 200Hz to 20KHz. Available in Black or White. Sold individually as singles.

Colour	Code
Black	LS3BK
White	LS3WH



### LS32 DUAL CUBE PAIRS

#### TOTAL OF FOUR CUBES ATTACHED IN PAIRS

Dual cubes attached together with Plus/Minus 60° Horizontal swivel For direct/reflective surround sound. Fully shielded for TVs & Monitors Optional Wall mount brackets included Sold in pairs for left/right sound buy multiples for an extended setup. Dual 3" drivers with Dual-Cones (Whizzer Cone) for extended response. 6 Ohms, 100 Watts, 90dB. 85 x 85 x 170mm Frequency response 200Hz to 20KHz. Available in Black or White. Sold in pairs (4 Cubes Total).

Colour	Code
Black	LS32BK
White	LS32WH



### LS3 CEILING MOUNT

#### COMPACT CUBES WITH RECESS HOLDER

Popular 3" Cubes from Daichi are now available in this attractive solution. Speakers are positioned at a 45° angle for excellent sound dispersion from a ceiling cavity. Ideal for locating surround speakers as normal ceiling drivers that fire directly-down may not give the best localised sound. 6W 50Wnom 90dB 200Hz to 20KHz Cube 85cm<sup>3</sup> mounted 45° 165mm Flange. 3" Dual Cone Shielded. Steel Grille.

#### SOLD IN SINGLES

Colour	Code
White	LS3CMW



### ACCENTO COMPACT CUBE SPEAKER 8 OHM HI-FI

Accento cube speakers are ultra compact with a stylish design that will fit into any decor seamlessly and provide high performance sound reproduction. Available in two colours White or Black. Includes adjustable ball joint mounting bracket to position for best audio experience and seismic cable for safety. Cube size is 87x87x112mm.

Input	8 Ohm
Prms	10W
Pmax	20W
Freq.	130Hz - 20KHz
Colour	White Black
Code	ADS320WH ADS320BK

Sold In Pairs



### 3" MINI-SPEAKER CUBES

#### HOME / PATIO / CAR / BOAT

Weather resistant Stereo Pair Compact 90mm<sup>3</sup> box + Bracket 50W peak 76mm Mid-Woofer 8Ω Long life polypropylene cone Coaxial mounted piezo tweeter Includes bracket for mounting Ideal for trucks, vans, utes, Surround sound, patio, office and other space limited HiFi

#### SALT WATER RESISTANT

Colour	Code
White	SA300W

Sold In Pairs







# Audio Speakers & PA

## 3" BOOKSHELF EXTENSION & OUTDOOR SPEAKER BOXES

3" 2-Way Speakers Black/White Pair 2-Way Indoor/Outdoor Speakers

Power Capacity: 30 Watts

Frequency Range: 120Hz - 20kHz

Impedance: 8 Ohm

Sensitivity: 88dB

3" Woofer

1/2" Tweeter

153x106x106mm

Colour Code

Black SA400B

White SA400W

Sold in pairs



## 4" BOOKSHELF EXTENSION & OUTDOOR SPEAKER BOXES

Modern rounded styling. Very compact and attractive. This speaker is a very sturdy and built of high impact molded plastic with a good finish of high quality giving excellent HiFi sound from such a compact speaker! Wedge design with metal grille, 100Wmax 4" 2-way, suitable for many applications, from in the home to outside in the elements. 4Ω or 8Ω input, stand-alone or bracket mount. Suitable for Vehicles, Boats, BBQ, Surround sound, HiFi extension, Wall mount, bookshelf, patio, etc. Compact Size = 200 x 135 x 127mm angular + bracket Polypropylene woofer with butyl rubber surround Stainless steel grille (& painted) so no rust. Suit surround sound and extension speakers, etc.

Colour Code

Black SA500B

White SA500W

Sold In Pairs



INDOOR FASHION  
OUTDOOR TOUGH



4" 2-Way  
200 x 130 x 130mm

## 5 1/4" BOOKSHELF EXTENSION & OUTDOOR SPEAKER BOXES

Outdoor sound is an important part of our lifestyle now, not only in the public domain but in the home as well. Studio Acoustics weather resistant Indoor/Outdoor Universal Speakers provide the ideal combination of crystal clear sound with robust construction and durability. Those who like spending time outdoors will love the Studio Acoustics Indoor/Outdoor Universal Speaker Range.

- 100mm Polypropylene woofer 80Hz
- 13mm Balanced Dome Tweeter 20KHz
- Weather Resistant ABS Case Aluminium Grilles
- Multi Angle Adjustable Mounting Brackets
- 252x163x163mm Sold As A Pair

Colour Code

Black SA850B

White SA850W

Sold In Pairs



## 5" SPEAKERS DELUXE ON-WALL

### 2-WAY INDOOR/OUTDOOR WITH BRACKET

Modern style pearl-white box for wall mounting Includes a ball-&-socket uni-directional bracket Point the sound into the centre of the audience Quality ABS plastic is paintable for your decor 5" (127mm) Polyprop' cone, butyl rubber sound 1/2" (13mm) Mylar diaphragm tweeter & crossover

Impedance 8 Ohm

Power 75 Watts

Freq. 60Hz-20Khz

Size 235x175x160mm

SOLD IN PAIRS

Code

SAC860

Includes brackets







## 5" SPEAKER LOW-PROFILE ON-WALL

### LOW-PROFILE WEATHER RESISTANT 2-WAY

Excellent low-profile solution only 75mm thick  
Quality ABS plastic pearl white and paintable  
Attractive modern design for indoor decors  
Wall hanging or retractable desk-top stands  
Weather resistant design for outdoor use 5"  
polypropylene cone butyl rubber surround 1"  
Mylar dome tweeter. 6dB Crossover 75 Watts  
305x230x75mm

#### Code

SA0300W

Sold In Pairs



## 5 1/4" BOOKSHELF EXTENSION & OUTDOOR SPEAKER BOXES

### 2-WAY 250W SATELLITE SPEAKER PAIR

Attractive modern designed box Suitable for  
many applications Talc reinforced polypropylene,  
Water resistant cabinet with rubber grommet  
seals and a 5 1/4" Hyper-Olefin Cone Woofer  
1" Mylar Cone tweeter. Dual ported design for  
extended frequency response.

Power 250Wmax  
Imp. 4ohms 90dB  
Freq. 40Hz to 20KHz  
Size 235x160x174mm

#### Colour Code

Black BS515BK

White BS515WH

Sold In Pairs



## 6" BOOKSHELF EXTENSION & OUTDOOR SPEAKER BOXES

### 2-WAY 100W SATELLITE SPEAKER PAIR

Fully sealed Wedge box design  
Suitable for many applications. Talc  
reinforced polypropylene cabinets  
with mounting brackets. Steel speaker  
grille covers. 6 1/2" Hyper-Olefin Cone  
Woofer 1" polyprop' dome tweeter.  
Mount in ceiling/wall corner for  
extended smooth bass.

Power 100Wmax  
Impedance 4ohms 91dB  
Freq. 110Hz to 20KHz  
Size 190x280x190mm

#### Colour Code

Black ODS65BK

Sold In Pairs



## 6" WALL SPEAKER 100V

### INDOOR MOUNT - LOW PROFILE

Sold in single pieces. 2 required for stereo.  
Architecturally elegant curved style for modern decor.  
The low profile cabinet is of open-back design for  
flat against the wall mounting. Made from molded  
ABS and fitted with powder coated steel mesh grille.  
Comprises a 6 inch 10W coaxial 2 way speaker  
system paper pulp with foam surround for excellent  
sound. Ideal for high performance paging and music  
for home or commercial sound reproduction. Hang  
vertically or mounted horizontally. 8 Ohm (Solder) or  
100V Line transformer.

Taps 1.25W / 2.5W / 5W / 10W  
Freq. 110Hz - 20kHz 93dB  
240L x 330W x 88Dmm 1.2Kgs

#### Code

PA4124

HORIZONTAL OR VERTICAL



SOLD IN SINGLES



SLIM







# Audio Speakers & PA

## 3 1/2" ACCENTO-DYNAMICA HIFI SPEAKERS

Superior sound reproduction performance 2 Way system with Dynamic Mylar Tweeters Large magnet powerful Polypropylene woofers with Butyl rubber surround in a sealed box. Weather resistant sturdy plastic cabinet Colour Coated metal grilles (removable) Free-standing or mounting angled bracket.

8Ω 85Hz-20KHz 180x130x110mm

Impedance	8Ω
Freq.	85Hz-20KHz
Size	180x130x110mm
Colour	White      Black
Code	ADS3021W    ADS3021B

Sold In Pairs



**accento**  
dynamica



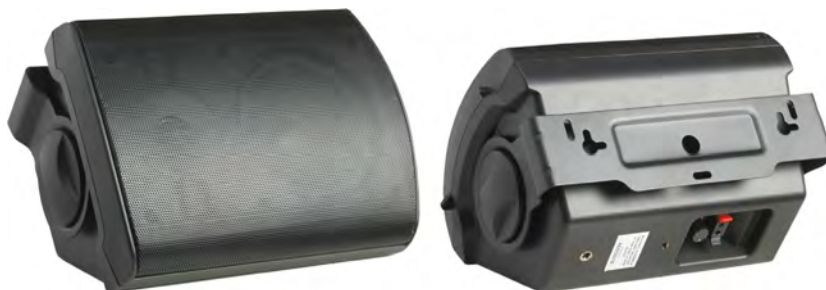
## 5" ACCENTO-DYNAMICA HIFI SPEAKERS

Superior sound reproduction performance 2 Way system with Dynamic Mylar Tweeters Large magnet powerful Polypropylene woofers with Butyl rubber surround in a sealed box. Weather resistant sturdy plastic cabinet Colour Coated metal grilles (removable) Free-standing or mounting angled bracket.

8Ω 80Hz-20KHz 245x180x140mm

Impedance	8Ω
Freq.	80Hz-20KHz
Size	245x180x140mm
Colour	White      Black
Code	ADS5021W    ADS5021B

Sold In Pairs



**accento**  
dynamica

## 8" ACCENTO-DYNAMICA HIFI SPEAKER

### FULL RANGE 8" 2-WAY SYSTEM

Superior sound reproduction performance 2 Way system 8 Ohm with 12dB electronic crossover. Dynamic Soft dome Tweeters for sweet highs. Large magnet powerful Polypropylene woofer with Butyl rubber surround in a ported box. Weather resistant long-life durability. Attractive quality sturdy plastic cabinet. Colour Coated metal grilles (removable) Free-standing for desk or bookshelf or wall mounting angled bracket solution. Accento-Dynamica. Excellence in performance, sound & long durability.

Pmax	150W
Size	360x270x210mm
Freq.	75Hz-20KHz
Colour	White      Black
Code	ADS8021W    ADS8021B

Sold In Pairs



**accento**  
dynamica  
ALSO IN Line 100V See PA pages...



## SPEAKER SYSTEMS WITH BUILT-IN AMPLIFIER

In-built amplifier allows easy integration into existing systems with only line level signal required. Rear mounted power switch, volume, bass and treble controls for best installation sound trim. RCA's provide easy connection to existing audio sources. Available from several sizes, styles and manufacturers.

SEE ACTIVE SPEAKERS ON THE FOLLOWING PAGES...







## ACCENTO DYNAMICA IP55 WEATHER RESISTANT

### OUTDOOR SPEAKER ENCLOSURES

Fully sealed enclosure designed for extended life outdoors exposed to the elements & weather. Tested to IP55 Waterproof rating. Made from UV resistant materials including attractive finish, quality ABS plastic. Powder coated metal grille and adjustable mounting brackets. 2 Way system. Mid-woofer with Mica reinforced Polypropylene butyl rubber roll surround and large 8 Oz magnet with vented core. Mylar dome dynamic tweeter. Freestanding or wall mounted. Attractive and stylish. Mounts vertically or horizontally.

### WATER-PROOF SEALED WIRING LOOM

Rear terminals remain sealed by use of a screw type plug & 1ft lead. Many speakers claim IP55 rating but neglect these terminals.

#### 5 1/4" 2-WAY ACCENTO DYNAMICA IP55

##### 135mm WOOFER

Compact 210x140x140mm  
13mm Poly Dome Tweeter  
87dB 67Hz-20KHz 60Wmax

Colour	Black	White
Code	ADS5130B	ADS5130W

Sold In Pairs



accento  
dynamica



INGRESS PROTECTION  
TESTED TO RATING IP55  
SUITABLE FOR OUTDOORS

#### 6 1/2" 2-WAY ACCENTO DYNAMICA IP55

##### 160mm WOOFER

Compact 290x215x170mm  
20mm Poly Dome Tweeter  
88dB 58Hz-20KHz 120Wmax

Colour	Black	White
Code	ADS6200B	ADS6200W

Sold In Pairs



accento  
dynamica

## 10" PROFESSIONAL PA SPEAKER BOX

### DAICHI 2-WAY PASSIVE INSTRUMENT SPEAKER

Suits sound reinforcement applications with voice or instruments, etc. Designed for easy transporting. Rotomold black poly-fibre wedge cabinet with handle. Impact and weather resistant for on-road toughness. Built-in Tweeter Horn Flare. Long throw applications. Steel grille protects a 10" 200Wrms (400Wmax) IS10000. Heavy Duty Daichi Cellulose Fibre Cone. Reinforced. Highly efficient horn tweeter, 1" Phenolic Diaphragm. 18dB/Octave High-Powered Manganese cored crossover. Thermal switch fuse for auto resettable protection. Professional "Speakon" Input Socket . 200Wrms (400Wmax)  
High sensitivity 95dB  
80Hz to 20KHz 6Ω  
370x485x330mm  
1 1/2" Mounting Pole-Cap  
for optional speaker stand.

daichi



#### Code

PRO10M  
Sold In Singles

### FLOOR STAND HEAVY DUTY 1.5" POLE

Standard 1 1/2" mount (35mm post) suits PRO10M. Height adjustable with lock. Height is 100cm up to 180cm. Sturdy and stable support base, three 80cm legs. Heavy duty construction Includes a 1 1/2" base plate for adding on to equipment that does not have the suitable insertion hole. Folds up neatly for easy transportation. Black.

#### Code

STAND10







# Audio Speakers & PA

## □ Speakers Desktop

### 2.0 SPEAKER SYSTEM - USB POWERED

Input 3.5mm Analogue Input.  
Powered by USB Plug. For use  
with Laptops. 2 Watts RMS Output.  
Slim compact style. Power On/Off  
switch. Stereo volume control.

Code  
SPK1016



### 2.0 SPEAKER SYSTEM - MINI

#### BATTERY OPERATED

Desktop multimedia  
speakers with volume  
Runs on 4X AA Cells DC  
Jack for power 3.5mm  
Stereo plug 2 1/4" Full range  
80x80x125mm

Code  
LX98



### 2.0 SPEAKER SYSTEM - USB POWERED

#### EDIFIER STEREO DESKTOP

USB powered [ 1A 5V required ]  
Compact 50x90mm  
Power and volume control  
3.5mm auxiliary input Headphone  
jack access

Code  
SPK1023

EDIFIER®



#### OPTIONAL USB POWER

Code  
PTXUSB

### 2.1 MULTIMEDIA AUDIO SPEAKER SYSTEM

#### WITH WIRED REMOTE

Compact, modern desktop audio  
solution with wired remote control  
of volume and power. Wooden  
sub-woofer cabinet with 4"  
Suit stereo audio 3.5mm.  
Sub: 160x225x250mm  
Sat: 65x140x112mm  
Mains powered.

Code  
SPK1024

EDIFIER®



### 2.1 MULTIMEDIA AUDIO SPEAKER SYSTEM WITH BLUETOOTH

#### LISTEN TO MUSIC FROM A WIRED SOURCE OR FROM BLUETOOTH

Subwoofer and amplifier module with 2x external high-range 2-way  
speakers (2.1). Input via 3.5mm or Wirelessly via Bluetooth®.  
Compact full-audio sound in a modern package

- Input type: Bluetooth® or 3.5mm auxiliary
- Power Output: RMS 8W x 2 + 18W
- Signal to noise ratio: ≥85dBA
- Master volume and bass adjustment dial on subwoofer
- Satellites: 90x158x100mm
- Subwoofer: 164x192x278mm

Code  
SPK1025

EDIFIER®







## LIQUID SOUND SPEAKERS ORIGINAL EDITION

This amazing twin set of USB powered speakers makes the perfect PC desktop companion. Not only are they a stereo set of speakers, but they also feature a spectacular LED Liquid Jet show that dances in sync with any music that you play.

- 2 x 3W Speakers.
- 4 x Multi Coloured LED Liquid Jets per speaker.
- Frequency Response: 150Hz to 18Khz.
- Impedance : 4 ohm.
- USB powered.
- Weight: Approx 550g (for 2 speakers).
- Dimensions Of Each Speaker: 51mm x 63mm x 220mm.
- Includes USB power cable, USB link cable and 3.5mm audio cable.

Code

SPK1050BK



## LIQUID SOUND RECHARGEABLE BLUETOOTH

This amazing twin set of rechargeable Bluetooth® speakers makes the perfect truly portable 'Dancing Water' speaker system. Not only are they a stereo set of speakers, but they also feature a spectacular LED Liquid Jet show that dances in sync with music that you play. The Liquid Sound Speakers Bluetooth® Edition is identical in size and shape to the Original Edition, however it features several additional new features:

- Bluetooth® V3.0 Support, play and control your music from an external Bluetooth® device such as a smartphone, or laptop.
- Play your music from Micro-SD through the built In MP3 Player.
- Onboard powerful USB rechargeable 2300mAh Lithium-Polymer battery with up to 6 hour playtime.
- Front panel function buttons to control Volume, Next/Previous Song, Input Mode and Play/Pause functions.
- LED Charging Indicator on the back of the main speaker to indicate when the battery is fully charged.
- Includes USB power cable, USB link cable and 3.5mm audio cable.

BUILT-IN  
MP3  
PLAYER



BLUETOOTH® MEDIA CONTROLS



## LIQUID SOUND ROTATING JETS SPEAKERS

This amazing twin set of USB powered speakers makes the perfect PC desktop companion. Not only are they a stereo set of speakers, but they also feature a spectacular LED Liquid Jet show that rotates and dances in sync with any music that you play.

- 2 x 3W Speakers
- 6 x Multi Coloured LED Liquid Jets per speaker
- On-Board function buttons to control Volume,
- Power On/Off and Jets On/Off
- Frequency Response: 150Hz to 18Khz
- Impedance : 4 ohm
- Weight: Approx 780g (for 2 speakers)
- Dimensions Of Each Speaker: 90x90x267mm
- Includes USB Power Cable (with double plug)

Code

SPK1052







# Audio Speakers & PA

## □ Active Speakers

### 5" STEREO ACTIVE SPEAKER SYSTEM

#### IN-BUILT 25Wrms STEREO AMPLIFIER

In-built amplifier allows easy integration into existing systems with only line level signal required. The ported bass reflex enclosure produces outstanding sound reproduction ideal for areas requiring high quality sound reinforcement. Rear mounted power switch, volume, bass and treble controls for best installation sound trim. RCA's provide easy connection to existing audio sources. IEC power socket.

- 5" Polypropylene Woofer
- 1" Dome Dynamic Tweeter
- 8 Ohm 60Hz-18KHz 89dB
- 25Wrms 60Wmax Amplifier
- Volume, Bass, Treble
- 5.6Kg Die-Cast Polymer
- Metal grilles and bracket
- 240x180x150mm

Colour	White	Black
Code	STUDIO5AW	STUDIO5AB



### 5" STEREO ACTIVE SPEAKERS ACCENTO

#### CLASS-D HIGH POWER EFFICIENCY

High performance premium sound with convenience and flexibility. Connect any low-level line device to these speaker via RCA/3.5mm for instant HiFi sound. Push-button adjustable Volume, Bass and Treble with external remote control. Powerful polypropylene 5" woofer & dynamic tweeter driven by a very efficient class D high power 40Wrms built in amplifier module for excellent sound reproduction and control. Manufactured using durable and high quality components for IP51 weather resistance. Includes adjustable wall / ceiling mounting bracket. Includes external 20Vdc 3A switch-mode in-line power pack for maximum wattage. These speakers will also run on DC from 12Vdc to 20Vdc (effects wattage output).

Input	LINE	LINE
Prms	20W	20W
Pmax	40W	40W
Freq.	60Hz - 20Khz	60Hz - 20Khz
Size	147x214x137mm	147x214x137mm
Colour	Black	White
Code	ADS5A40BK	ADS5A40WH



**accento**  
dynamica

### 6.5" STEREO ACTIVE SPEAKER SYSTEM

#### IN-BUILT 25Wrms STEREO AMPLIFIER

In-built amplifier allows easy integration into existing systems with only line level signal required. The ported bass reflex enclosure produces outstanding sound reproduction ideal for areas requiring high quality sound reinforcement. Rear mounted power switch, volume, bass and treble controls for best installation sound trim. RCA's provide easy connection to existing audio sources. IEC power socket. Size 215x288x242mm.

- Aluminium grille and bracket.
- 70Hz-20kHz frequency response.
- In-built amplifier for easy integration.
- Easy to install, quick adjust bracket.
- Outstanding sound reproduction.
- Includes 2 x right angle RCA adaptors.

Colour	White	Black
Code	PA0929	PA0930



**REDBACK**





## □ Portable PA Systems

### PERSONAL BELT-PACK AMPLIFIER

#### HIP-MOUNT HANDS-FREE VOICE SAVER WITH HEADSET

The iTalk is the extremely flexible and portable Voice Saver from Chiayo. The clever ergonomic contoured design allows it to be either worn on the belt or over the shoulder comfortably. iTalk delivers clarity and intelligibility to your message. It's an ideal choice for many applications including classroom, market demonstration, meeting rooms, tour guides and much more. iTalk also comes fitted with a line level 3.5mm jack input for connecting your MP3 music player or similar devices should any music or playback tracks be required. Featuring a built in recharging circuit for the 4 x AA batteries (supplied) and separate controls for tone and volume, the unit also comes supplied with a lightweight head-worn microphone and charging adaptor ready to save your voice. Strap for shoulder or waist Contoured for comfort hip Deliver intelligible clarity Hands-free headset mic Or plug-in an MP3, etc. Super efficient 10W Class-D 4Hrs constant, 8Hr talk time Includes mains charger and NiMH rechargeable Batteries Uses common "AA" cells 195x115x105mm 650g

Maximum Output Power 15 watts max

Speaker 3.5" full range

Power Source 4 x AA batteries (1.2V)

Rechargeable Batteries 4 x NiMH, 2400mAh minimum (included)

Charging Time 8-10 hours

Operating Time Up to 4 hours

Frequency Response 100Hz - 16kHz

Dimensions (mm) 195(L) x 115(W) x 105(H)

Weight 620g

Code

ITALK



### WAISTBAND AMPLIFIED PA SPEAKER

#### COMPACT & LIGHTWEIGHT WAIST-BELT PACK

The compact and lightweight portable PA speaker provides an excellent hands-free solution for amplifying your voice.

An adjustable behind-the-head boom microphone with adjustable goose neck and wind-screen is included.

Attach the unit around your waist with the adjustable clip belt provided or sling it over your shoulder. The in-built 3Wrms amplifier and 2.5" full range speaker makes your normal voice louder, heard further and more distinctly, making talking easier for longer periods of time. This unit is ideal for use in functions, lecture halls, spruiking, tour guides, and other public speaking. The compact unit is made tough and durable for long life.

powered by 6x rechargeable AA batteries (included) with an external 12V mains charger (included).

Code

WB-AMP3







# Audio Speakers & PA

## Audio Amplifiers & Electronics

### Turntable Phono

#### PHONO PREAMP & LINE-LEVEL TO USB

##### OUTPUTS TO STEREO AUDIO & USB DIGITAL FOR RECORDING

Any kind of audio grabbing program can be used to record audio from your turntable or any Audio in and convert to any kind of audio format.

Plug-and Play operation with Microsoft® or Mac® OS default drivers Phono in for RIAA pre-amplifier circuit with Line Level 3.5mm Audio output. Up to 48KHz sampling rates for 2CH recording to digital via USB. USB powered via data cable (inc.). Also Line level 3.5mm stereo input for recording any stereo audio source.

Code  
UPA100



#### LINE LEVEL TO PHONO INPUT ADAPTOR

##### USE THE SPARE PHONO INPUT

If you require an extra input to your amplifier here is an option to use that old phono input ! Your turntable is gathering dust, so why not use its' input for that new black box. Fully shielded in a metal box, premium quality components, gold plated plugs and sockets. The circuitry re-equalises the signal to counteract the RIAA eq. low level (MM) input. Passive (No power required).

Code  
PH26



#### PHONO PREAMPLIFIER

This additional amp stage, allowing direct connection of a turntable. Update modern equipment with auxiliary RCA input to accept MM turntable. Also suitable for computer sound card's line input so you can make CD-Rs & MP3. Battery operated 9V included.

Code  
PA005



#### SLEEVES FOR VINYL RECORDS

##### HDPE FILM JACKETS X100

Standard LP record storage sleeves. Protect record from aging effects of dust, moisture and scratches. 100 pieces.

Type	Size	Code	100pcs
Round	305x305mm	LPS-002	
Square	305x310mm	LPS-003	
Jacket	320x325mm	LPS-005	



Sleeves Only - Records Not Included

#### PORTABLE TURNTABLE WITH USB TO PC

##### RETRO STYLED BRIEFCASE PORTABLE

This retro 60's suitcase record player blends classic vintage style and modern USB digital conversion technology to allow you to record and preserve your vinyl records. Hand-made suitcase constructed from wood and bound in PU leather and inner lid lined with red matte fabric, this unit reflects elegant workmanship with old-school style.

- Built-in speakers allow you to directly play records
- A Built in 3.5mm headphone jack for earphones
- 3.5mm and RCA sockets for Audio line input/output
- Connect an external music source, iPod®, smart phone, etc.
- Connect to a HiFi system for line level record playing
- Connect USB output (lead inc.) to a Windows®/Mac® PC
- Included Audacity software for digital recording to PC

Code  
USB224



#### TURNTABLE TO DIGITAL RECORDER

##### DIRECT RECORDING TO USB/SD CARD

This compact turntable can record directly from your vinyl records to a SD card or USB flash drive. You can then listen to your favourite records in digital format on any other digital device from the USB stick or SD card. With the built-in speaker, this turntable also allows you to play from your recorded file, other MP3s, a 3.5mm Auxiliary input or vinyl. LCD display for easy operation. Records MP3 without the need of a computer.

- No PC/software required, save your file straight into a USB drive or SD card
- USB (Max 16GB) / SD (Max 4GB) support for audio recording
- 3-Speed turntable fit for 33, 45, 78 RPM
- Belt-driven and manual play tone arm with auto-off
- Ceramic stereo cartridge with jewel stylus
- Included 45 RPM adaptor
- Stereo speakers built-in
- Removable dust cover
- Size: 310x265x120mm
- Weight: 2.1 kg
- Mains plug 240Vac

Code  
USB223



MORE PHONO ACCESSORIES  
See Section 11 Service & Repair





## Bluetooth Receivers

### PORTABLE BLUETOOTH SPEAKER & LIGHT

- Compact and lightweight, only 640g.
- Soft LED illumination and speaker in one
- Built in rechargeable Li-ion battery
- Up to 4 hours of quality audio
- Up to 6 hours of powerful LED light
- LED night light with dimmer function
- 3.5mm stereo audio input
- Bluetooth® stereo A2DP receiver
- Touch buttons for volume and power and
- Back to sender control of Vol/FF/Rew
- Mobile handsfree capability
- IP4X Water resistance level
- Includes a micro USB SAA adaptor + charging cable and a 3.5mm line audio cable
- Size: 190x95x95mm

Code  
SA126BTL



### MINI WIRELESS BLUETOOTH SPEAKER

#### 60mm PORTABLE & RECHARGEABLE

Compact portable Bluetooth® speaker with metallic design Expanded Bass Xpansion System in a compact 50x60mmØ 230g Supports TF card MP3 playback and AUX input 3.5mm Built-in microphone included for phone hands free answering Requires Micro-USB Charger (USB Lead included) Built-In 520mAh rechargeable battery for up to 5 hours use

Colour	Code
Black	SPK1022BK
Blue	SPK1022BU
Red	SPK1022RD



### 4" AMPLIFIED IN-CEILING STEREO BLUETOOTH

#### WIRELESS BT AUDIO FOR HOME AND COMMERCIAL APPLICATIONS

The RL-BT510 is a stereo pair of in-ceiling flush-mount speakers with a built-in 8W RMS per channel amplifier and Bluetooth A2DP receiver. This product allows you to wirelessly stream audio from your portable device (Bluetooth enabled phone or tablet, etc.) around your home or business with ease. Control your music from your mobile devices, or Bluetooth® enabled devices, no need to be connected to a docking station. Simple installation, just flush mount the speakers and power one unit (with the receiver) and connect the second speaker by speaker wire. The built-in amplifier auto-senses a Bluetooth sync to power on/off. Includes power supply.

Size	Prms	Code
4"	8W	RL-BT510



Sold In Stereo Pairs

### BLUETOOTH STEREO RECEIVER

#### RECHARGEABLE OR USB POWERED COMPACT

Wireless receiver that's rechargeable portable. Plug in headphones for a Bluetooth® receiver. Micro-USB power recharging socket. Compatible with any A2DP Bluetooth® device. iPhone®, Android, etc. 60x36x15mm

Code  
CBH40



### BLUETOOTH STEREO RECEIVER WITH NFC

#### NFC - Near Field Communications

NFC offers an extremely simple setup. Android Beam software uses NFC to complete the steps of enabling, pairing and establishing a Bluetooth® connection. Simply tap your NFC enabled device on this unit and you are paired.

Simply pair your Bluetooth® enabled device—such as your smart phone, iPad, Android tablet and connect to your AV receiver, multimedia speakers and more with this Bluetooth® receiver. With the inclusion of the highly renowned apt-X codec, this receiver allows you to enjoy wireless Bluetooth® audio quality indistinguishable from wired, with an impressive dynamic range. Featuring a high-quality DAC that helps clean up poor audio that is often found in downloaded music and videos. Also SBC compatible for other Bluetooth® devices using the A2DP standard.

Code  
BTR-1700NFC







# Audio Speakers & PA

## Zone Amplifiers Bluetooth

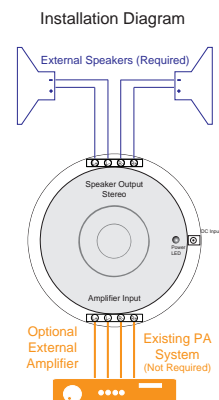
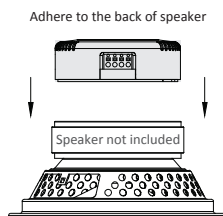
### BLUETOOTH STEREO 20W AMPLIFIER RESI-LINX

20 Watt RMS amplifier module with 3.0+EDR Bluetooth® Receiver that connects directly to an in-ceiling or in-wall speaker. Receiver only, requires speaker/s.

- 20 Watt RMS Stereo (L+R) Amplifier Class-D
- Built in Bluetooth® 3.0+EDR Stereo Receiver
- Up to 20M Range to Bluetooth® Transmitter
- Optional input from external Amplifier - Bluetooth® works like local input and overrides Amplifier
- Attaches / connects to any pair (x2) of speakers
- Easy to install - Can mount direct to speaker magnet
- Includes 15V Power Supply

Code  
BTA-1000

NOTE: An external amplifier can also be connected for an additional audio input. Connect to the amplifier input terminals as shown in the diagram. This will allow music playback when Bluetooth® is not paired.



### BLUE-HUB STEREO AUDIO AMPLIFIER & BLUETOOTH RECEIVER - STUDIO ACOUSTICS

#### STUDIO-ACOUSTICS 50W STEREO

The Blue-Hub from Studio Acoustics is a compact amplifier that makes it easy to play music on your speakers from any Bluetooth® media device. Modern styling is compact and simple to setup and easy operate. The Blue-Hub can take input from a wireless Bluetooth® device, or from a 3.5mm Aux Input connection. It has an AUX output (RCA) for connection to an external amplifier. Or use its built-in 50 Watt amplifier for a stereo speaker output to connect to your 4-8 ohm speakers.

- Front controls are Power, Volume +/-
- Rear switch for Bluetooth® or AUX in.
- Stereo Power Output: 50W total
- DC Power Input: 24V 2A
- Auxiliary Input: 3.5mm Stereo
- Auxiliary Output: 2 x RCA
- Bluetooth® Version: 3.0+EDR
- Boosted antenna Range: Up to 25M
- Frequency Response: 50Hz-20KHz
- Mount Horizontal or Vertical stand
- Includes power supply (24Vdc 2A)
- Dimensions: 120x281x36mm

Code  
SABH1



### ZONE AMPLIFIER WITH BLUETOOTH - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

PRO1351 is a Bluetooth® compatible audio amplifier box. Use it to power in-ceiling, in-wall or box speakers with the audio from any Bluetooth® enabled device, or other 3.5mm auxiliary source such as computers, media players, and TVs. Compact solution for permanent audio installations in entertaining areas and bedrooms, etc. Ideal for installing where volume control is not intended to be adjusted by end-users. Ideal for use with mobile devices with Bluetooth® audio and volume adjustment is done on the mobile device.

- Bluetooth® EDR 3.0 wireless audio receiver built-in up to 10M
- Dual input, switch between Bluetooth® or 3.5mm (line) inputs
- 15W(rms) per channel (@ 4 ohm) Class D power amplifier
- Compact design with preset maximum Volume setting
- Suitable for 4Ω, 6Ω and 8Ω stereo speakers
- Includes Speaker Protection circuit
- Compact 75x48x30mm box
- 12Vdc 2A power adaptor included

Code  
PRO1351







## □ Zone Receivers WiFi

### WIFI MUSIC RECEIVER PRO 2

#### NETWORK AUDIO RECEIVER - DLNA UPnP & AIRPLAY

AirPlay and DLNA music receiver allows your smart devices or computers to be paired up to your stereo system via WiFi to stream audio. There are three modes of operations; Client mode, direct mode and bridge mode. In the client mode, the WMR14 is connected to your home network just like any other WiFi device. You can then control and stream your music to the speakers from any device on your network provided your speaker is connected to the WMR14 and the WMR14 is on the same network as your device. In direct mode, the WMR14 acts as a wireless hotspot and the users can connect their wireless devices to the speakers through the WMR14 without an existing wireless network. In the bridge mode, the WMR14 acts as an extender of the wireless network, the users can connect to speaker and the wireless network through the WMR14.

Code  
WMR14



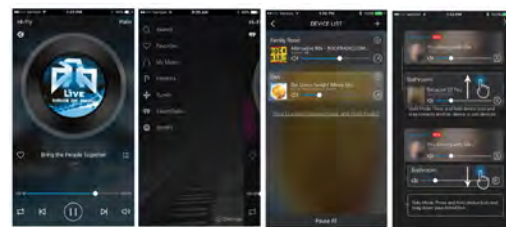
## □ Zone Receivers Dayton Hi-Fly

### DAYTON HI-FLY MULTI-ROOM WI-FI AUDIO

#### Hi-Fly™ Multi-Room Wi-Fi Audio Technology

Dayton Audio's Hi-Fly™ App turns your mobile device or tablet into a remote control for all Dayton Audio Hi-Fly™ enabled devices. Stream music from your favourite providers, or from your home network or directly from your mobile device. With Hi-Fly™ you can send music to individual speakers with individual user control, or "Group" any combination of speakers together for true Multi-room simultaneous audio. Plus, your music continues to play even if your phone is turned off or you need to take a call. The Dayton Audio Hi-Fly media streaming system is a top market solution that is a simple and convenient with an intuitive interface comfortable with any user.

- Control The Airwaves At Home with the Free Hi-Fly™ App for Apple or Android
- Music Uninterrupted. Take a call or close Hi-Fly™ without any disruption to your music stream, let others take control. Versatile multi-user music streaming.
- Enables Multi-room (same song, all rooms), Multi-channel (any song, any room) and Multi-user (any user, any room), for the ultimate in whole house audio
- Integrates directly with popular music streaming services for instant access.
- Save your favourite songs, playlists or preset radio stations. Hi-Fly™ does it all!
- Please note: Streaming Audio uses up bandwidth. The more media streaming devices on your WiFi system, the stronger the WiFi system will need to be.\*



Phone Not Included



**MULTI-ROOM:**  
Play synchronized audio in multiple rooms for seamless listening.



**MULTI-CHANNEL:**  
Play any song to any single device or group devices together.



**MULTI-USER:**  
Different users can control the audio source for different devices.

### WFA02 MULTI-ROOM WI-FI AUDIO ADAPTOR

Experience true musical freedom with the Dayton Audio WFA02 Wi-Fi Audio Adaptor. This adaptor turns your current powered speakers or home stereo into an Internet radio and music streaming system.

Code  
WFA02



### MARK2-WF BLUETOOTH / WI-FI SPEAKER

Take your home audio to a whole new level with the Dayton Audio MARK2-WF Wi-Fi Speaker. Combining a retro feel with modern styling, the MARK2 looks great in any room and produces clear, rich sound. Set-up is effortless, making it easy to add multiple speakers for instant whole-house audio.

Code  
MARK2-WF



Hi-Fly™ is free to download and allows you to stream music from any network shared or DLNA/UPnP enabled device, including Airplay, as well as popular online media providers. Hi-Fly™ will stream-to Dayton Audio's Hi-Fly™ products only. For further feature descriptions, see the Hi-Fly™ manual. Check your bandwidth.





# Audio Speakers & PA

## Zone Amplifiers PRO2

### ZONE AMPLIFIER WALL PLATE WITH BLUETOOTH - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

Stereo audio amplifier with a stereo Bluetooth® receiver built into a wall plate. Use it to power in-ceiling or in-wall speakers with the audio from any Bluetooth® enabled device. Or connect via optional 3.5mm input from other sources.

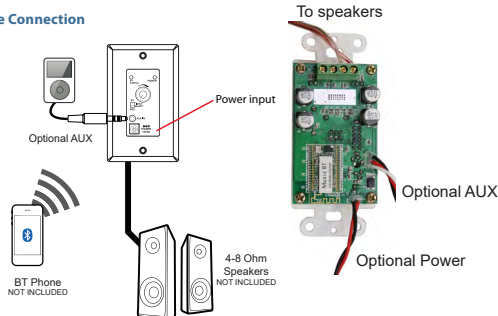
- 15W(rms) per channel Class-D amplifier
- Bluetooth® wireless audio receiver built-in
- Bluetooth® Version: 3.0 EDR compliant
- Switch between Bluetooth® or 3.5mm (line) inputs
- Discrete and low-profile Decora-style wall plate design
- Volume control and status LEDs (Power and BT)
- Suitable for 4Ω to 8Ω speaker pair (Stereo)
- Speaker screw terminals handle wire sizes from 24 to 12 gauge
- Front Power DC and Audio 3.5mm input sockets
- Or hard wire rear power and/or aux for a neat installation

#### Code

PRO1351WP



Simple Connection



### ZONE AMPLIFIER WALL PLATE WITH MICROPHONE INPUT - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

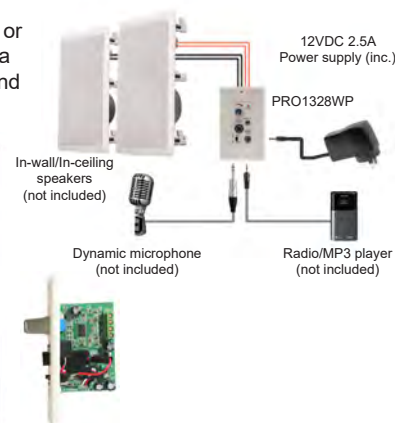
Stereo audio 15W amplifier with a microphone input all built-in to a wall plate. Use it to power in-ceiling or in-wall speakers with the audio output from a line-level sources. Then to make an announcement, flick a switch and speak into a microphone (required). This can be used for shop display installations, office and workshop areas, anywhere basic audio amplification and public address announcements are required.

The wall plate amplifier accepts a 3.5mm line and a 6.35mm dynamic microphone input. It has a volume control and power LED. 12Vdc 2A power supply is included and can be front facia connected or rear soldered if required. 115x68x45mm

- 15W(rms) per channel Class-D stereo output power
- Switch between 3.5mm (line) or 6.35mm microphone inputs
- Discrete and compact Decora-style wall-plate design
- Speaker screw terminals handle wire sizes from 24 to 12 gauge
- Requires speakers and Dynamic Microphone

#### Code

PRO1328WP



### ZONE AMPLIFIER WITH MICROPHONE INPUT - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

The PRO1328 is a stereo audio power amplifier in a small metal box. Use it to power in-ceiling, in-wall or box speakers with the 15W amplifier output. Connect any 3.5mm line audio source device such as computers, media players, TVs, etc. Then to make an announcement, flick a switch and speak into a microphone (required). This can be used for shop display installations, office and workshop areas, anywhere basic audio amplification and public address announcements are required. All in a simple to connect, compact solution. The unit accepts a 3.5mm line and a 6.35mm dynamic microphone input. It has a volume control and power LED.

- 15W(rms) per channel (@ RL=4 ohm) output power
- Stereo Class-D type highly efficient power amplifier
- 40dB microphone pre-amplifier gain. 6.35mm socket
- Small size and compact: 95mm x 75 mm x 27mm
- Suitable for wall-mounting
- Speaker screw terminals handle wire sizes from 24 to 12 gauge
- 12V 2A power-pack included

#### Code

PRO1328



### ZONE AMPLIFIER WITH MIC INPUT AND WIRED REMOTE VOLUME - PRO2

#### STEREO 15W AMPLIFIER CLASS-D

The PRO1328K is a stereo power amplifier with 3.5mm auxiliary and dynamic microphone inputs to stereo 15W output for your speakers. The amplifier can be conveniently tucked-away with only the volume controller visible. The wired remote volume and power I/O controller is connected to the amplifier unit with common CAT5e network cable. This cable is not included so please also order your CAT5 patch cable depending on length required. [See Data & Computer Section 04]

- 15 Watts RMS per channel for ample volume
- Class D power amplifier for efficiency and low heat
- Wired remote volume control with power off
- Speaker protection circuit for long service life
- Speaker screw terminals for wire sizes up to 12 gauge
- Amp module: 115x95x33mm, Controller: 65x45x40mm
- 24V 2A Power pack included

#### Code

PRO1328K



**CAT5 CABLE REQUIRED**

Note: Controller can be connected to the amplifier with an optional CAT5e/6 cable (sold separately)







## Amplifiers Audio

### DAYTON MINI AMPLIFIER PORTABLE

#### STEREO CLASS-T 15WRMS

This mini amplifier has the heart of a serious performer, in a truly portable package. According to some reviews, the amazing Class-T output chip produces imaging, dynamics, and sound quality that rival esoteric tube amps. This is a new technology that out performs.

- Palm-size Class-T 30 watt stereo amplifier
- Great sounding amp Superior, hi-fi sound quality
- 88% Efficiency. Runs on 8x AA batteries
- AC Power pack included.
- Soft turn-on eliminates annoying speaker pop
- CE and RoHS rated design



Watt	15Wrms (x2)
THD	0.1% (10W)
Efficiency	88%
Input	3.5mm Line
Power	12Vdc 2.5A
Size	50x95x155mm
Code	DTA1



BACK



<http://www.daytonaudio.com/index.php/audio-video/audio-amplifiers/dta-1-class-t-digital-amplifier-15-wpc.html>

### DAYTON MINI AMPLIFIER WIRELESS

#### TRANSMITTER & RECEIVER PAIR

Instantly add wireless audio to your home or office with the Wireless Class T DTA-1W mini audio amplifier system. 3.5 mm inputs on both the transmitter and receiver offer quick connection to smartphones.

- Amplifier efficiency of up to 88% for full 15W x2 stereo
- Compact sized transmitter and amplifier/receiver units
- Up to 20 metre wireless range for portable convenience
- 3.5 mm local input for smartphone or MP3 player connectivity
- Easy expandability with additional DTA-1ARs (sold separately)
- Transmitter and amplifier/receiver can each run off 8 AA batteries

Code Pair  
DTA1W



#### EXTRA RECEIVER AMPS

Code  
DTA1AR



<http://www.daytonaudio.com/index.php/audio-video/audio-amplifiers/dta-1w-wireless-amplifier-system.html>

### DAYTON MINI AMPLIFIER MODULE

#### STEREO 15W TRI-PATH WITH VOLUME

Amp module utilizes a Class-T Tripath TA2024 audio chip to produce incredible fidelity and efficiency. Patented Class-T amplifiers offer both the audio fidelity of a Class-AB amplifier and the power efficiency of a Class-D amplifier. Add a 12 VDC 2A power supply to this complete PCB, and install smooth, clean audiophile sound almost anywhere. Stereo (x2) at 15Wrms per channel.

Output power: 11W @ 4Ω, 6W @ 8Ω (0.1% THD+N);  
15W @ 4Ω, 10W @ 8Ω (10% THD+N)

Efficiency: 81% @ 15W, 4Ω; 90% @ 10W, 8Ω

Dynamic range: 98 dB

Over-current and Over-temperature protection.

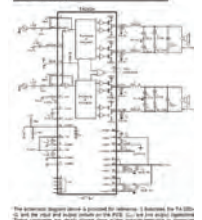
Watt	15W (x2)
THD	0.1% (10W)
Efficiency	90%
Input	Line Level
Power	12Vdc 2A
Size	20x50mm
Code	DTA2



ACTUAL SIZE



Schematic Diagram:



<http://www.daytonaudio.com/index.php/dta-2-class-t-digital-audio-amplifier-module.html>





# Audio Speakers & PA

## DAYTON MINI AMPLIFIER 120W

### STEREO CLASS-T

Provides 60 watts per channel of clean sound from a Class-T digital power amplifier. Patented circuitry offers the audio fidelity of a premium Class-AB amplifier with the efficiency and low heat and size of Class-D. Includes a built-in headphone amplifier, and two stereo inputs to connect all your portable and permanent audio device. Includes power pack and leads.



- Audiophile-quality sound reproduction, extremely low distortion, fits almost anywhere
- Ultra-quiet 103 dB signal to noise ratio (A-weighted)
- 40W x2 continuous into an 8 ohm load, 60W x2 continuous into a 4 ohm load
- Front-mounted 3.5 mm input and rear RCA inputs
- Quad mini binding posts accept bare wire or banana plugs
- Compact extruded aluminium heat sink enclosure
- Thick, stylish black-anodized aluminium face plate

Watt	60Wrms(4Ω) x2
THD	0.01%
Efficiency	85%
Input	RCA
Power	24Vdc 5A
Size	55x85x140mm
Code	DTA120



<http://www.daytonaudio.com/index.php/dayton-audio-dta-120-class-t-digital-mini-amplifier-60-wpc.html>

## DAYTON MINI AMPLIFIER PROFESSIONAL

### STEREO 15W CLASS-D BRIDGEABLE TO 30W

Choose the Dayton Audio DA30 amplifier for your fixed audio application. Its small chassis fits away neatly for security, while the big sound fills classrooms and conference rooms.

- 2 x 15W power output into 4 ohms or 1 x 30W bridged output into 8 ohms
- Clear, articulate hi-fi sound quality, but built for the tough requirements of commercial duty
- Cool-running Class D circuitry delivers high output while reducing AC line current demands
- Recessed bass, treble and balance controls. Volume and power switch.
- Recessed, tamper-resistant tone controls provide simple sound shaping
- Compact size makes it easy for this amp to fit almost anywhere
- Add a Bluetooth® receiver (sold separately) for even greater control flexibility
- Includes 24V 2A Switchmode power pack. Auto On - Stand-by current is 0.6mA

Watt	15Wrms 4Ω
THD	0.015%
Efficiency	92%
Input	100KΩ
Power	24Vdc 2A
Size	41x112x140mm
Code	DA30



<http://www.daytonaudio.com/index.php/da30-2x15w-class-d-bridgeable-mini-amplifier.html>

## DAYTON SUB-LINK WIRELESS AUDIO SYSTEM

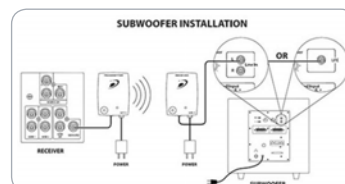
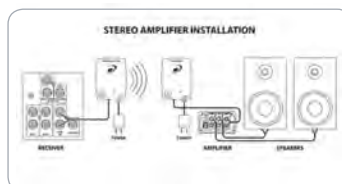
The Sub-Link™ Wireless Audio transmission system is a quick to set-up solution to connect your home theatre with sub-woofers wirelessly. It allows you to position your subwoofer anywhere in the room without ugly bothersome wires. Ideal for those without the option of permanent in-wall wiring solutions. The unit is subwoofer optimised as it is capable of frequencies down to 15Hz with low distortion, but is also suitable for surround speakers, extension speakers, and other Stereo HiFi audio solutions. Includes full kit of power and RCA connection solutions.

Transmitter / Receiver operating voltage: 5V DC, 1A (Included)  
RF frequency band: 2.404 to 2.467GHz. Modulation: GFSK  
Working distance: 12 metres (line-of-sight)  
15Hz to 20KHz (-3dB), 85dB, 1%THD max. Mono or Stereo.  
700mV Input sensitivity. Delay time: Less than 25ms

Code Pair  
SUB-LINK



2.4GHz  
WIRELESS  
LINK





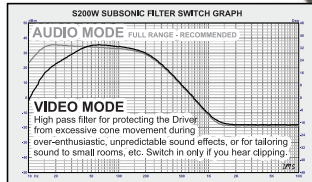


## SUB-WOOFER AMPLIFIER MODULE 200Wrms HIFI UPGRADED

### EXCLUSIVE STONES SOUND STUDIO IMPROVED !

Locally developed design by Stones Sound Studio for WES.  
Excellence in audio fidelity. True Subsonic -3dB point 15Hz with very impressive stability. As used in our high-end XLS800 & XLS1000 kits.  
Line level I/O (Stereo RCA through) or Speaker I/O for Satellite system. Low-pass adjustable 60Hz to 180Hz. Super low stability to below 15Hz THD <0.8%. Switched 17Hz -24dB subsonic high-pass filter. 215x215x90mm(4L) plastic back case  
200Wrms 4Ω (165Wrms 8Ω) 500Wmax (measured).

Description	Code
Amplifier, 200Wrms	S200W



SSS IMPROVED For  
XLS800 SubWoofers Kit

## DAYTON POWER AMPLIFIER 75W STEREO CLASS A/B

### AUDIO AMPLIFIER - STEREO 75W OR BRIDGED 150W

Dayton Audio's versatile APA150 power amplifier delivers 75 watts per channel in its full-range stereo configuration, or 150 watts into 8 ohms when in bridged mono mode. A built-in, switchable low-pass filter also makes this a great subwoofer amp. When configured in stereo mode, amplification is provided to a pair of speakers for stereo or surround playback. Select bridge-mono mode and the APA150 is suitable as a centre channel amplifier, or as a subwoofer with the on-board low pass filter. Full-range line-level outputs allow for easy daisy chaining amplifiers for a multi-room bi-amp applications. The smaller chassis allows extending placement options. Excellent quality audio amplifier. Class A/B with high current, discrete power transistors (as used in premium amp designs) and a hefty toroidal power supply. Also included is the auto-on/off with silent turn-on/off with no audible transient, gold plated RCA inputs/outputs and speaker binding posts. Dayton Audio.

- Sleek modern design looks good in any audio system (WAF) with easy placement
- High current, class A/B, discrete output transistors that run cool and quiet
- Adjustable 50-150 Hz low pass 18dB/Octave crossover with bypass switch
- Gold-plated 5-way binding posts that accept up to 8 AWG speaker wire

Power Output: 75W RMS x 2 into 4Ω, 150W RMS x 1 into 8Ω  
Total Harmonic Distortion: Less than 0.01% (20-20,000 Hz)  
Signal-to-Noise Ratio: >100 dB, unweighted  
Crossover: Variable 50-150 Hz, 18 dB/octave  
Auto-On Sensitivity: 3 mV, Auto-Off Delay Time: 15 minutes  
Dimensions: 142 H x 145 W x 325 D mm, Weight: 5kg

Code
APA150



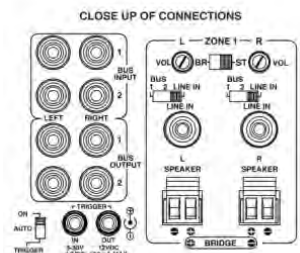
## 12CH MULTI-ZONE AMPLIFIER

### DAYTON AUDIO 40WRMS X12

The Dayton Audio MA1240a features a Class-AB output circuit that delivers superior audiophile sound quality and stable performance. Each of your installation's zones can benefit from the MA1240a's clean audio reproduction and exceptional functionality. The MA1240a can be stacked with other audio components and includes removable ears for mounting in standard audio racks (2RU). Two common or BUS inputs feed audio signals from standard line-level audio sources to any or all channels. Each of the twelve channels has its own dedicated input and independent level adjustment to provide further flexibility. By simply flipping a single switch, two channels can be bridged to increase the total power output for that zone. This is helpful when extra power is needed in certain areas. The MA1240a's manual, automatic on/off, or triggered 12V input turn-on modes facilitate easy integration into automated systems. For quick and easy troubleshooting of the system, each pair of channels or zones has a bi-colour LED to indicate its operational status.

- Stable Class AB design delivers superior audiophile sound quality and performance
- Independent (12CH) and bus (2x2CH) inputs provides unparalleled flexibility
- Bridgeable channel outputs provide additional power when needed (6CH)
- Independent channel gain controls allow the output of each speaker to be perfectly matched
- Multi-stage protection circuitry for reliability and easy troubleshooting of audio system
- Temperature controlled cooling fans. Compact 2U design. Rack mountable.
- ENERGY STAR and CE EuP directive compliant, consumes less than 1/2 a watt in standby

Code
MA1240A







# Audio Speakers & PA

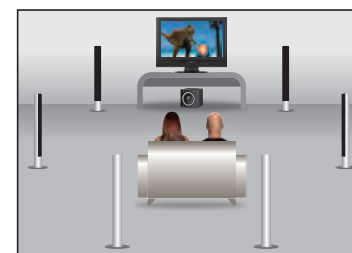
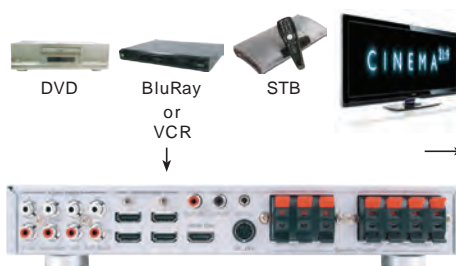
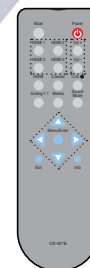
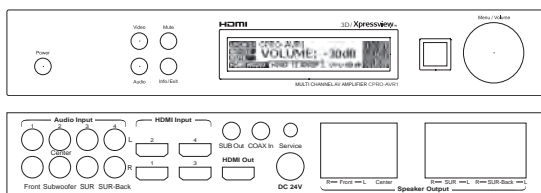
## HiFi Equipment

### 7.1CH AMPLIFIER

The traditionally bulk and large amplifier is transforming into a new era with the newly formed light and full functions design. Also, the installation & operation steps are becoming much user friendly with the OSD and remote control. The Multi-channel AV amplifier is made with high efficiency design and supports 3D display, these allows users to enjoy high quality true sound with no delay and real 3D display with true colours.

- Elegant compact design and streamline shape, excellent performance and decoration
- High Efficient 7x50W class D amplify >80% efficient
- Friendly OSD overlay with Video Display
- Easy to use big size graphic LCM display
- High performance Low THD & High quality audio
- Fast switching on all HDMI input ports in less than 1 second
- Support HDMI CEC bypass and HDCP repeater
- HDMI supports deep colour 36/30/24-bit, HDCP repeater
- HDMI resolution 480i~1080p @24/50/60Hz, VGA~WUXGA
- HDMI output with xvYCC to RGB colour space design
- Support IR remote control makes operation friendly using
- Support 3D signal and display
- Audio Type: PCM 2.0, 5.1 & 7.1CH
- Audio Sampling Rate up to 192KHz
- DSP sound mode: Jazz/music/Speech/Concert/Movie
- Tone Control: Bass/Treble +/- 10dB
- Speaker setting: size/Speaker Level/Speaker Distance
- Lip sync (0~100ms)
- 7x Passive speaker 4ohm~8ohm
- Supports Subwoofer output

Description	Audio Surround Sound Amplifier
Input	4x HDMI / 1x Coaxial / 1x 7.1 Analog / 4x RCA R/L
Output	1x HDMI / 1x Sub / 7x Speaker Jack
Code	CPRO-AVR1



7.1 Speakers  
Accessories Not Included



### ZONE AMPLIFIER - CYPRESS

The DCT-23 accepts analogue and digital stereo audio signals via RCA, 3.5mm mini-jack, optical and coaxial digital, and HDMI with an additional microphone input. As well as speaker outputs, it boasts line level output, optical and digital outputs, and HDMI outputs for wider systems integration. Suitable for use at musical events, sound presentation and sound amplification. With audio sampling rate support up to 48 kHz and I/O data rate support up to 24-bit, it provides a high quality sound reproduction.

- 30 watts per channel Digital Stereo Amplifier
- Supports Digital to Analogue audio Conversion (DAC) and Analogue to Digital audio Conversion (ADC)
- HDMI Audio Embedding and de-embedding
- Supports input sampling rates up to 96kHz and output at 48kHz
- Dedicated XLR microphone input with independent volume control
- Supports microphone sound being embedded into audio output
- Simultaneous output of sound on both digital and Analogue
- Supports control via IR (Remote and IR Receiver input), RS-232 or IP (Telnet)
- Analogue line output selectable to be either fixed or variable
- Note: Does not support the decoding of Dolby Digital signals
- Half-Rack width (9 1/2") 1RU. 215W x 172D x 46Hmm.



DCT-23



DCT-23HD  
HD-BaseT  
Version

Input	2xHDMI, 1xCOAX, 1xTOSLINK, 1x3.5mm Jack, 2xRCA, 1xMIC	1xHDMI, 1xCAT5e/6/7, 1xCOAX, 1xTOSLINK, 1x3.5mm Jack, 2xRCA
Output	1xHDMI, 1xCOAX, 1xTOSLINK, 2xRCA	1xHDMI, 1xCAT5e/6/7, 1xSpeaker Jack
Input Audio Formats	Compressed 2~5.1CH, LPCM 2CH, Analogue 2CH	Compressed 2~5.1CH, LPCM 2CH, Analogue 2CH
Output Audio Formats	Compressed (Bypass), LPCM (Bypass), Analogue 2CH	Compressed (Bypass), LPCM (Bypass), Analogue 2CH
Input Sampling Rates	32-192kHz	32-192kHz
Output Sampling Rates	32-192kHz	32-96kHz
Code	DCT-23	DCT-23HD





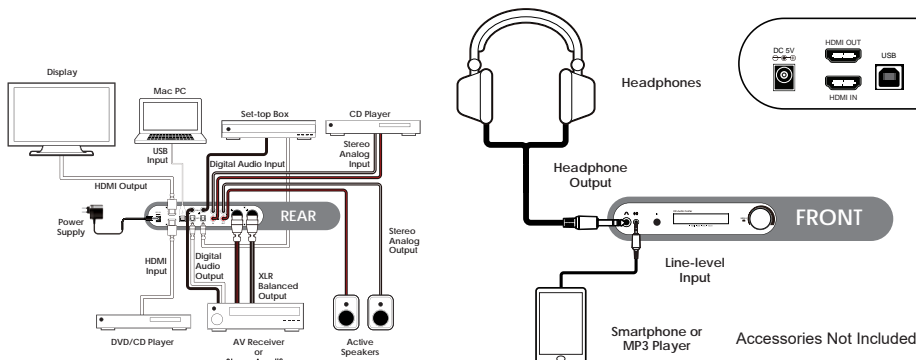
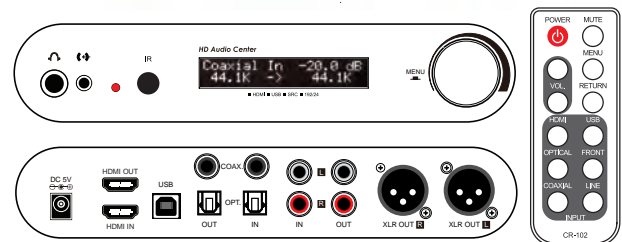
## HIGH DEFINITION AUDIO CENTRE

The HD Audio Centre is designed to allow multiple audio sources to be controlled, switched and output to a variety of audio equipment. With its 6 audio inputs (including an HDMI input) and 6 audio outputs (including a 6.3mm headphone output) you can integrate and convert any digital or analog audio source to any type of amplifier or active speakers. This device has an built-in sampling rate converter which can upscale audio signals between 44.1 kHz to 192 kHz (24-bit). With HDMI connectivity, it allows the user to embed or de-embed audio within the HDMI signal path.

For professionals, the Ti TPA6120A2 headphone amplifier, XLR (Low-noise Professional Balanced output) and 6.3mm headphone jack (3.5 mini-jack adaptor supplied) offer unparalleled audio quality. With a highly accurate PLL and low jitter reduction clock system, and with an OLED display and IR remote for controlling the device the HD Audio Centre is an incredibly useful tool for getting the most out of your audio devices.

- Multiple input/output Audio Centre
- Audio format and sampling rate conversion
- Professional audio system integration with XLR balanced outputs
- Mac/PC USB audio output support
- Analog to digital or digital to analog audio conversion
- HDMI audio embedding or de-embedding

Code DCT-21

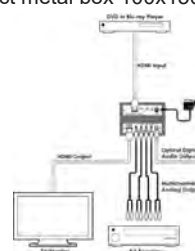


## 7.1CH AUDIO DECODER ONLY

### LPCM DTS-HD TO EIGHT CHANNEL ANALOGUE LINE-LEVEL OUTPUT

HDMI to HDMI repeater with Audio decoder. Transfer 36bit Deep Colour (12 bits/colour) with signal amplification and equalization output that can connected with other HDMI units. The audio analogue output supports uncompressed analog LPCM 7.1 and new lossless compressed digital Bitstream (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) depending on the input sources. 4x 3.5mm Stereo connections. 5.1/7.1CH Switch. Optical output. Compact metal box 100x150x25mm

Description	HDMI to 7.1CH Audio decoder
Input	HDMI
Output	HDMI x1 / 3.5mm x4 / Optical
Code	CLUX-11SA



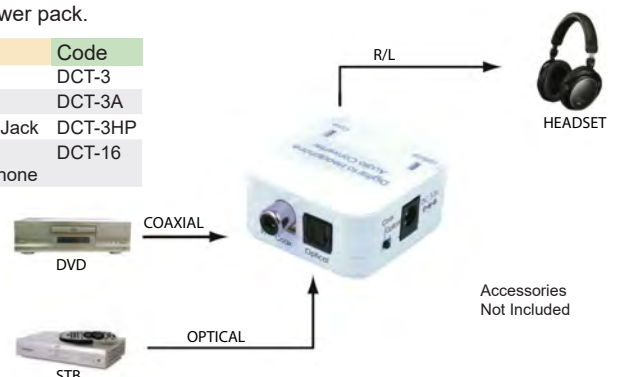
Accessories Not Included

## DIGITAL TO ANALOGUE AUDIO CONVERTERS

Compact unit with stereo audio output converted from Standard 16 (or 24) bit PCM (Digital) Input is Toslink Optical or RCA PCM (Coaxial) connections. Accepts sampling frequencies 32K, 44.1K, 48K, 96K, \*up to 192K. White. 42x40x22mm compact. Includes power pack.

Description	Input	Output	Code
Coaxial / Optical to R&L audio 96Kbps/16bit	Optical/Coaxial	L&R	DCT-3
Coaxial / Optical to R&L audio 192Kbps/24bit	Optical/Coaxial	L&R	DCT-3A
Coaxial / Optical to 3.5mm Vol 96Kbps/16bit	Optical/Coaxial	3.5mm Headphone Jack	DCT-3HP
USB to R&L, 3.5mm, Optical - Async 192Kbps/24bit	USB2.0 ASIO	Optical/Coaxial/ L&R/6.3mm-Headphone	DCT-16

For details see AV/TV/SAT Installer Section.



Accessories Not Included





# Audio Speakers & PA

## Public Address Amplifiers

### PUBLIC ADDRESS AMPLIFIERS - HIGH POWER

#### HIGH POWER PANNAX

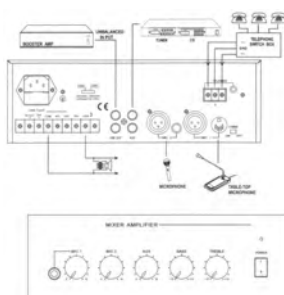
Five channel microphone inputs  
Each microphone individual volume  
XLA and "Phono" mic inputs  
Phantom powered 24V (switch I/O)  
VOX enabled mic input 1 priority  
Three auxiliary line level inputs  
RCA terminals for CD, TUNER, MP3  
Line level outputs pre/post volume  
Four Zone on/off switch controls  
Mains powered or emergency 24Vdc  
8ohm/100V/70V/50V Tapped output  
45Hz-15KHz 3dB 1%THD -75dB

Power	Size	Weight	Code
120Wrms	482x133x282mm	11Kg	PA0120
240Wrms	482x142x355mm	17Kg	PA0240



### PUBLIC ADDRESS AMPLIFIERS

Two dynamic microphone inputs.  
Accepts 6.35mm Balanced (3 pin)  
6.35mm Un-Balanced, XLR & Din.  
RCA (Mono of L+R) Auxiliary input.  
Front panel volume controls for  
Level adjustments for each input  
Bass and Treble controls.  
Mic 1 input automatically soft-mutes  
AUX for announcement (VOX).  
Announce Chime (Via Din Plug Only).  
Line out (RCA) post volume.  
60Hz-15KHz 70dB range.  
Quality manufactured in a black metal box.  
88x272x300mm. 240Vac Mains or  
12Vdc(PA2020, 40) 24Vdc(PA2060).  
Outputs to 8Ω or Line 25V-70V-100V



Power	Code
40Wmax (20Wrms)	PA2020E
60Wmax (40Wrms)	PA2040
90Wmax (60Wrms)	PA2060

### 15W PUBLIC ADDRESS AMPLIFIER REDBACK

#### MADE IN AUSTRALIA

Super compact amplifier with surprising performance specifications, intended for smaller PA system applications. With the use of high quality IC, the amplifier is extremely stable even where the microphone (balanced line) and speaker cables are run together for long distances. The unit will automatically shut down when severely overloaded and will restore to normal operation when the fault condition is removed. Suitable as a stand alone desk/bench unit or rack mount with optional hardware. Up to 2 units can be accommodated side by side in 1RU of rack space (44mm high). 12VDC operation makes it well suited for use in tour buses and mobile installations. Mains power adaptor is included

- 15W RMS Output
- Headphone Socket
- 1 balanced XLR and unbalanced jack mic input
- Selectable Phantom Power on Mic Input
- 1 Auxiliary Input
- Music Input on Front Panel
- 4-16Ω Output
- Selectable Aux Input Sensitivity
- 12V DC operation (includes mains power supply)
- Power Status Indicator

Code  
PA4017







## SONKEN AUDIO MIXER & STEREO POWER AMPLIFIER

### WITH BLUETOOTH AUDIO INPUT

High power class A/B Stereo amplifier with 170W music power per channel. Metal chassis. Toroidal transformer. Colour Fluorescent display for output level. 4mm binding posts for up to 4 speakers (2x2). Relay protected speaker output. Pre-out, Amp-in for eq or effects loop. Line level (microphone) output. Line-level input for CD and AUX connection. Low-pass filter sub-woofer output. Two microphone 6.35mm inputs each with volume, balance, low/mid/high eq. mic has DSP Echo effects with delay/feedback controls, level and high/low eq. Individual Music input channel with Low/mid/high eq. Volume and balance, select between Stereo Aux line-level input or Stereo Bluetooth® audio input. Master volume with low/mid/high tone controls. Quality audio appliance.

### WIRELESS BLUETOOTH® AUDIO

Excellent solution for the maitre d' with a wireless control solution. Connects to your mobile multi-media device via inbuilt Bluetooth®. Simply connect a smart phone, lap-top, tablet, or Bluetooth® enabled multimedia device and play your music that's either stored on your device and even through local networked or internet solutions, etc. Bluetooth® version CSR2.1 for wireless control of up to 10 Metres. Full stereo A2DP transmission with 20~20KHz digital audio clarity. Note: Bluetooth® Pairing Password is "0000"

Audio Output: 120W + 120W music power  
Input Sensitivity: 200mV  
Bass Control:  $\pm 15\text{dB}$  (100Hz)  
Mid Control:  $\pm 15\text{dB}$  (1kHz)  
Treble Control:  $\pm 15\text{dB}$  (10kHz)  
T.H.D: <0.1%  
Frequency Response: 20Hz - 20kHz, -1dB  
Noise Ratio: >90dB  
Power Source: 240V/50Hz 370W  
Dimension: 430(W) x 126(H) x 300(D)mm 6Kg  
Bluetooth® CSR2.1 Pairing Code:0000

Code  
PA9120



SOFTWARE, MICROPHONE & BLUETOOTH®  
ENABLED TABLET / PHONE NOT INCLUDED

## CD PLAYER AND AM/FM RADIO RACK UNIT

### AUDIO SOURCE UNIT FOR PA SYSTEMS

Rack mountable stereo/mono source for background music, etc. Quality build for reliability and function with clear button controls. CD player unit. Distortion: < 0.1% S/N: > 80dB Output: 850mV pause/play, next key, previous key, power, program, random, repeat AM/FM digital tuner unit with 6 station programmable presets. Tuning range: FM: 87.5MHz to 108MHz AM: 522MHz to 1611MHz 30Hz to 15kHz (+1/-3dB) Distortion: < 1% S/N: > 60dB (1mV, FM)

Code  
PACDT3







# Audio Speakers & PA

## Mixers and Signal Modifiers

### MINI-STEREO DJ MIXER

#### 5 INPUT STEREO MULTIMEDIA MIXER DUB AUDIO FOR VIDEO OR DJ - PORTABLE

This quality built mini sized audio mixer is comprehensive enough for most portable DJ applications. Also excellent for audio dubbing in home movies or home studio. Compact metal box. Low noise design. 6.35mm headphone monitors main output only. Talk over mute switch. Cross fade between A & B. Hi gain output suits most amplifiers. 330x122x39mm. Includes 12VAC P/P.



Code  
DJMIXER10



### AUDIO & MIC MIXER VOX SWITCH

#### AUTOMATIC LINE/MIC AUDIO SWITCH

Voice Operated Switch (VOX) PA solution. Two Inputs to one output channel combined. Suitable for microphone or line level Audio. Input #1 VOX mutes Audio Input #2. Separate trim controls for adjusting Levels of Inputs & VOX sensitivity. VOX Operated 24V Output for control of external equipment. Microphone connections are bare wire screw type. Compatible with balanced or un-balanced. Optional Phantom power to microphone. Suit hard-wired professional install. Premium grade SMD circuitry product. Compact metal cabinet 110x30x80mm

Code  
PA4911

#### 24V POWER PACK REQUIRED

Volts	Current	Code
24V	1200mA	SMP24V-1.2A-21R



### MIC SPLITTER

Splitter & Combiner.  
Impedance matcher.  
3x XLR Connectors.  
Switched ground isolator.

Code  
MQS31



### GROUND-LOOP ISOLATOR

Remove hum noise and ground loop problems by transformer isolation.  
Stereo (dual channels).  
6.35mm I/O Unbalanced.  
10Hz-50KHz

Code  
HEB100



### 2CH ACTIVE MIXER

- Input Ch. 1 - 1/4" jack
- Unbalanced line input, eg microphone, wireless microphone, instrument level signal, PC, etc.
- Input Ch.2 - 2 RCA Sockets
- Line level signals, eg CD player, MP3 player, DVD etc.

Code  
MQS37



### MIC PRE-AMP

Single channel mic preamp with phantom power XLR & 1/4" unbalanced input to XLR balanced and 1/4" unbalanced and headphone output. Volume control. Clipping indicator.

Code  
MQS51



### BALANCED/UNBALANCED CONVERTER

XLR/RCA Line Level converter.  
2x Channel unbalanced to balanced.  
2x Channel balanced to unbalanced.  
With volume controls. 12Vdc included.

Code  
MQS75



### PHANTOM POWER

Inject 48+ Volts as required for some powered microphones  
Mains 240Vac.  
XLR M/F I/O

Code  
PPS100



### 4CH PASSIVE MIXER

- Input: 4x 1/4" unbalanced jacks for connection to line or instrument level devices.
- Output: 1x 1/4" unbalanced jack for connection to a mixer input or other input device.
- This unit may be also used as a 1-in / 4-out box when all controls are turned completely clockwise.
- Passive, No power required.

Code  
MQS36







□ Bosch



# BOSCH

## Invented for life



### A PRACTICAL SOLUTION FOR ALL TYPES OF APPLICATIONS

With more than 60 years of experience in the design and development of electro-acoustic technology, Bosch is an established leader in the field. Their guiding principle is to create products that are superior in terms of technology, design and ease of use. From waveguide to array technology, and 3-D simulation to cutting edge design, Bosch's acoustical expertise is as extensive as it is innovative. Turning comprehensive experience into world-class acoustical solutions – that's how Bosch continues to lead the way.

#### Enabling optimal acoustics

At Bosch, our expertise is in developing superior technology for an optimal acoustical environment. Sometimes this means high quality background music with a consistent sound level everywhere in the listening area. Other times, as in the case of an emergency, it means messages which are received clearly, with high speech intelligibility – even when there is considerable background noise. It's all made possible through the technologies developed by Bosch: cardioid column loudspeakers, feedback suppression, reverberation technology, and many others. And Bosch continues to innovate, creating today's technologies which will become tomorrow's industry standards.

#### Investment in R&D

Bosch's reputation for producing state of the art technologies is largely due to the extensive research that it invests in. Its commitment to innovation is huge: Bosch owns and operates one of Europe's largest acoustical test and measurement facilities. This test centre has 5 fully equipped anechoic rooms, allowing Bosch to accurately and automatically measure microphones and loudspeakers. Extensive testing, all done according to internationally recognised industry standards, ensures that customers can be confident about the high quality of every Bosch acoustical product.



□ Bosch Price List

### Plena Matrix Digital Sound System

Code	Description
PLM-8M8	DSP Matrix mixer
PLM-4P125	4 x 125 watt DSP Amplifier
PLM-4P220	4 x 220 watt DSP Amplifier
PLM-8CS	8 Zone call station
PLM-WCP	Wall control Panel



Plena Matrix  
Software:  
Windows® & iOS®



### Plena Easy Amplifiers

Code	Description
PLE-1CS	Plena easy desk mic gooseneck - all call
PLE-1MA030	Plena easy 30w mixer amp 4x inputs
PLE-1MA060	Plena easy 60w mixer amp 4x inputs
PLE-1MA120	Plena easy 120w mixer amp 4x inputs
PLE-1P120	Plena easy power amp 120w
PLE-1P240	Plena easy power amp 240w
PLE-1SCS	Plena easy heavy duty desk mic gooseneck
PLE-2CS	Plena easy desk mic gooseneck - 2 zone
PLE-2MA120	Plena easy 120w 2 zone mixer amp 6x inputs
PLE-2MA240	Plena easy 240w 2 zone mixer amp 6x inputs
PLE-4TM	Plena easy tone generator module
PLE-10M2	Plena easy mixer 2 channel 6x input
PLE-WP3S2Z	Plena easy wall panel source selector

### Plena Mixer Amp All-In-One

Code	Description
PLN-6AIO240	"All in One" 6 zone 240 watt mixer amplifier receiver with built in MP3 media player and AM/FM tuner.

### Plena Power Amps

Code	Description
LBB1930/20	120 watt power amplifier, includes rack ears
LBB1935/20	240 watt power amplifier, includes rack ears
LBB1938/20	480 watt power amplifier, includes rack ears
PLN-1P1000	1000 watt power amplifier, includes rack ears

### Loop Amps

Code	Description
PLN-ILR	Plena Inductive Loop Receiver / basic test set including headphones

### Mixers

Code	Description
LBB1925/10	"Plena" system preamp / mixer, 6 zone paging system, includes rack ears

### Microphones

Code	Description
LBB1941/00	"Plena" all-call desktop condenser microphone / call station for LBB1925/10
LBB1946/00	"Plena" 6 zone desktop condenser microphone / call station for LBB1925/10
LBB1949/00	Permanently installed gooseneck microphone, 395mm, dynamic
LBB1950/10	Universal desktop condenser paging microphone with PTT switch
LBB9080/00	Handheld dynamic fist microphone (CB style) with 1.2m coiled cable
LBB9099/10	Uni-directional handheld dynamic mic with 1.2m coiled cord terminated with 5-pin DIN plug
SR785LN/O	Dynamic, Normally open PTT, Low Z, Gooseneck paging mic, Rugged Stainless Steel Construction.
PLN-6CS	Desk Microphone: "Plena" 6 Zone suits PLN-6AIO240





# Audio Speakers & PA

## □ Bosch Commercial Electronics

### Music Sources

Code	Description
PLN-SDT	SD/USB player and AM/FM Tuner background music source, independent audio outputs for each source

### Volume Controls and Source Selector Panels

Code	Description
LBC1402/10	Volume Control, 12 watts with Relay
LBC1402/20	Emergency Failsafe Volume Control, 12 Watts with relay
LBC1412/10	Volume Control, 36 watts with Relay
LBC1412/20	Emergency Failsafe Volume Control, 36 Watts with relay
LBC1420/10	Volume Control, 100 watts with Relay
LBC1420/20	Emergency Failsafe Volume Control 100 Watts with relay
LBC1434/00	Source Selector, 5 channels plus off

### Weekly Timer

Code	Description
PLN-6TMW	Weekly timer featuring 2 separate programs, 14 chimes, 6 contact outputs, automatic daylight savings

### Digital Message Announcer

Code	Description
LBB1965/00	Digital message announcer, 12 message capacity at CD quality, 167 sec. capacity at 24kHz sample rate.

### Feedback Eliminator

Code	Description
LBB1968/00	Feedback Suppressor, 1RU, includes rack ears, 1RUx430x270mm, 3kg

### Plena VAS Combined PA and Emergency Sound

Code	Description
LBB1956/00	Plena voice alarm system Call Station - Six Zone Paging Buttons & All Call button
LBB1957/00	Plena voice alarm system Call Station Keypad - expands Call Station by 6x programmable buttons
LBB1990/00	Plena voice alarm system Controller featuring six zones with individual vol. control, built-in message
LBB1992/00	Plena voice alarm system Router - expands Plena VAS by 6 Zones
LBB1995/00	Plena voice alarm fireman's panel
LBB1996/00	Plena voice alarm remote control
LBB1997/00	Plena voice alarm remote control ext.
LBB1998/00	Plena voice alarm remote control kit
LBB1999/00	Plena voice alarm remote control extension kit
PLN-1EOL	Plena voice alarm end of line surveillance board - pack of 6
PLN-DMY60	Plena voice alarm dummy load board - pack of 12

### Ceiling Loudspeakers BCS-CS

Code	Description
BCS-CS4BW	4" clamp mount Easyfit ceiling speaker with 100V line tx with taps at 5,2.5,0.6 & 0.3W. 94dB SPL
BCS-CS8BW	8" clamp mount Easyfit ceiling speaker with 100v line tx with taps at 15, 10, 5, 2.5, 1.25W. 93dB SPL
BCS-CS830BW	8" Easyfit ceiling speaker with 100v line tx with taps at 30, 15, 7.5, 3.75W. 93dB SPL, 238mm cut out.

### Ceiling Loudspeaker Spring Mount - 6 Inch

Code	Description
LBC3080/01	Steel firedome for LBC 3090/31 & LBC 3090/01 loudspeakers, Colour: Flame red (RAL 3000)
LBC3081/02	Steel firedome to suit the LBC3086/41 ceiling speaker, (red flame colour RAL3000)
LBC3086/41	Spring mount voice alarm ceiling speaker, 6" dual cone, integral metal grille, 6 watts 100v line 6 / 3 / 1.5 / 0.75W
LBC3090/01	Spring mount 6" dual cone ceiling speaker, integral plastic grille, 6 watts, 100v line with taps 6 / 3 / 1.5W
LBC3090/31	Spring mount 6" dual cone ceiling speaker with terminal block for cable connection, integral metal grill
LBC3091/01	Surface mounting box for LBC 3090/01 ceiling speaker, Colour: Off white (RAL 9010)

### Ceiling Loudspeaker Spring Mount - 8 Inch

Code	Description
LBC3082/00	Steel firedome for LBC 3099/41 ceiling speaker
LBC3099/41	Spring mount 8" dual cone ceiling speaker with metal grille, 24 watts, 100v line with taps at 24, 12, 6W

### Ceiling Loudspeaker High Performance

Code	Description
C4.2	Recessed Ceiling Prosound Lsp 30W 4" (2PCS)
C8.2HC	Recessed Ceiling Prosound Lsp 60W 8" high ceiling (2PCS)
C8.2LP	Recessed Ceiling Prosound Lsp 30W 8" Low Profile (2PCS)
LC2-PC30G6-8	Recessed Ceiling Prosound Lsp 30W 8" (2PCS) 100V/70V/8 Ohm
LC2-PC30G6-8L	Recessed Ceiling Prosound Lsp 30W 8" Low Profile Version (2PCS) 100V/70V/8 Ohm
C10.1	Recessed Ceiling Prosound Lsp 60W 10" Sub (2PCS)
C12.2	Recessed Ceiling Prosound Lsp 60W 12" Full range (1 PC)

### Horn Speakers General Horn Range

Code	Description
BCS-HS10E	Round horn speaker, grey colour, 10w with taps at 10, 5, 2.5, 1.25 watts, comes with metal U mount
BCS-HS20E	Round horn speaker 245mm diameter, grey, 20w with taps at 20, 10, 5, 2.5 watts, comes with metal U-mount
LBC3470/00	Round horn speaker, light grey ABS, 15w 100v line with taps at 15, 7.5 & 3.75 watts, comes with swivel
LBC3491/12	Rectangular horn, 267x171mm opening, light grey ABS, 10 watts 100v line with taps at 10, 5 & 2.5W
LBC3493/12	Round horn, 400mm opening, light grey aluminium/ABS, 30 watts 100v line with taps at 30, 15 & 7.5 W
LBC3483/00	Round horn speaker, 490mm diam. Aluminium. 50W
LBC3484/00	Round horn speaker, 490mm diam. Aluminium. 75W

### Horn Speakers Marine Grade

Code	Description
LH2-UC15-E	Marine IP67, fire, corrosion, and chemical resistant as well as thermally stable, making it ideal for even the harshest environments. Supplied with a stainless steel mounting bracket. 120 dB max SPL

### Horn Speakers Music Quality

Code	Description
LH1-UC30E	2 way CD horn, rectangular, light grey ABS, 30 watts 100v line with taps at 30, 15, 7.5 & 3.75 watts

### Horn Drivers - 9000 Series

Code	Description
LBN9000/00	15w horn driver, 100v line with taps at 15, 7.5, 3.75 W
LBN9001/00	30w horn driver, 100v line with taps at 30, 15, 7.5 W
LBN9003/00	50w horn driver, 100v line with taps at 50, 25, 12.5 W

### Horn Flares - 9000 Series

Code	Description
LBC3403/16	Round Horn Flare without driver - 10" Suits 9000 series
LBC3404/16	Round Horn Flare without driver - 15" Suits 9000 series
LBC3405/16	Round Horn Flare without driver - 20" Suits 9000 series
LBC3406/16	Rectangular Horn Flare without driver - 15"x 8" Suits 9000 series Drivers

### Intrinsically Safe Horns - Explosion & Flame Proof

Code	Description
LBC3437/00	Explosion flameproof horn, 15 watts, 100v line with taps at 15, 7.5, 5, 4, 2, & 0.8 watts, black colour
LBC3438/00	Explosion flameproof horn, 25 watts, 100v line with taps at 25, 12.5, 6, 4, 2 and 1 watt, 100dB SPL





## □ Bosch Price List

### Cabinet Loudspeakers Panel Loudspeakers - ABS

Code	Description
LBC3011/41	Panel loudspeaker designed for flush or surface mounting, 6 watts 100v line, taps at 6, 3, 1.5 and 0
LBC3011/51	Panel loudspeaker designed for flush or surface mounting, 6 watts 100v line, taps at 6, 3, 1.5 and 0
LBC3012/01	Surface mount box for panel speaker LBC 3011/41, 51
LBC3013/01	Flush mount box for panel speaker LBC 3011/41 or 51

### Cabinet Loudspeaker - Metal Vandal resistant

Code	Description
LBC3018/01	Metal cabinet loudspeaker. Surface or recess mounted, 6 watts 100v line with taps at 6, 3, 1.5 and 0.75W

### Cabinet Loudspeakers - MDF

Code	Description
LB1-UW06-D	6 watt cabinet loudspeaker, MDF, 91dB SPL 1w/1m, 100v line with taps at 6, 3 and 1.5 watts
LB1-UW06-L	6 watt cabinet loudspeaker, MDF, 91dB SPL 1w/1m, 100v line with taps at 6, 3 and 1.5 watts
LB1-UW06V-D	6 watt cabinet loudspeaker with volume control, MDF, 91dB SPL 1w/1m, 100v line with taps at 6, 3, 1.5W
LB1-UW06V-L	6 watt cabinet loudspeaker with volume control, MDF, 91dB SPL 1w/1m, 100v line taps at 6, 3 and 1.5W

### Cabinet Loudspeakers - Moulded ABS

Code	Description
LB2-UC15-D	2 way music cabinet 4" woofer & 0.5" HF. 15W 100v line (22.5W at 8 ohms) taps at 15, 7.5, 3.75 & 1.9W
LB2-UC15-L	2 way music cabinet 4" woofer & 0.5" HF. 15W 100v line (22.5W at 8 ohms) taps at 15, 7.5, 3.75 & 1.9W
LB2-UC30-D	2 way music cabinet 5" woofer & 0.5" HF. 30W 100v line (45W at 8 ohms) taps at 30, 15, 7.5 & 3.75 W
LB2-UC30-L	2 way music cabinet 5" woofer & 0.5" HF. 30W 100v line (45W at 8 ohms) taps at 30, 15, 7.5 & 3.75 W

### Cabinet Loudspeakers - Metal Weatherproof

Code	Description
LB1-UM20E-D	20W Aluminium Cabinet Loudspeaker, IP65 Charcoal
LB1-UM20E-L	20W Aluminium Cabinet Loudspeaker, IP65 White
LB1-UM50E-D	50W Aluminium Cabinet Loudspeaker, IP65 Charcoal
LB1-UM50E-L	50W Aluminium Cabinet Loudspeaker, IP65 White

### Cabinet Loudspeakers - Premium High Output

Code	Description
LB3-PC250	250W 100V line moulded plastic cabinet loudspeaker - 12" mid-woofer, 1" Tweeter
LB3-PC350	350W 100V line moulded plastic cabinet loudspeaker - 15" mid-woofer, 1" Tweeter



PRICE  
REDUCTION

### Column Loudspeakers External Metal Weatherproof

Code	Description
LA1-UM20E	Metal column loudspeaker IP65 rated, 100V line with taps at 20, 10, 5, 2.5W as well as a 35W, 8 ohm
LA1-UM40E	Metal column loudspeaker IP65 rated, 100V line with taps at 40, 20, 10, 5W as well as a 60W, 8 ohm

### XL3200 Line Array XLA "Xtended Line Array"

Code	Description
LBC1259/00	Loudspeaker floorstand for XLA3200 range
LBC3200/00	XLA line array column, 30 watts, 100v line, taps at 30, 15 & 7.5 watts, 93dB SPL, silver colour
LBC3201/00	XLA line array column, 60 watts with taps at 60, 30 and 15 watts, 92dB SPL, silver colour, 6.4kg.
LBC3210/00	XLA line array column, 60 watts with taps at 60, 30 and 15 watts, 92dB SPL 1w/1m, 9kg, silver colour
LM1-CB	XLA carry bag for two floor stands

### VARI-DIRECTIONAL - Digital Steerable Line Array

Code	Description
LA3-VARI-B	Vari-Directional Base Unit
LA3-VARI-BH	Vari-Directional Base Unit with Extended High Freq.
LA3-VARI-CM	Vari-Directional Cobranet Module
LA3-VARI-CS	Vari-Directional Configuration Set
LA3-VARI-E	Vari-Directional Extension Unit

### Sound Projectors Pendant Speakers (Spheres)

Code	Description
LBC3095/15	10W pendant sphere, 100V line tx taps 10, 5, 2.5W, 89dB SPL 1W/1m, 130Hz - 20kHz, off white
LS1-UC20E-1	20W pendant sphere, modern state-of-the-art styling, IP65 rated, 100v line with taps at 20, 10, 5 & 2.5W

### Sound Projectors

Code	Description
LBC3430/02	12 watt bi-directional metal housing sound projector, IP55 rated, ceiling or wall mounted. 100v line
LBC3432/02	20 watt uni-directional metal housing sound projector, IP66 rated, ceiling or wall mounted. 100v line
LP1-BC10E-1	10 watt bi-directional ABS sound projector, modern styling, IP65 rated, ceiling or wall mounted. 100V line
LP1-UC10E-1	10 watt uni-directional ABS sound projector, modern styling with an omni style bracket, IP65 rated.
LP1-UC20E-1	20 watt uni-directional ABS sound projector, modern styling with an omni style bracket, IP65 rated.

### Hemi-Directional Loudspeaker

Code	Description
LM1-MSB	Hemi-directional suspension bracket for fixed mounting to eradicate swinging.
LS1-OC100E-1	Hemi-directional loudspeaker - 100V line with taps at 100, 50 & 25W. Maximum 600M <sup>2</sup> floor space

### Conferencing and Discussion Systems - CCS 900

Code	Description
CCS-CML900	Chairman's microphone unit, long microphone
CCS-CMS900	Chairman's microphone unit, short microphone
CCS-CU900	Master control unit
CCS-CUD900	Master control unit with Digital Anti Feedback Suppression (DAFS)
CCS-CURD900	Master control unit with Digital Anti-Feedback suppression (DAFS) and recording
CCS-DL900	Delegate's unit, long microphone
CCS-DS900	Delegate's unit, short microphone
CCS-SC6900	Portable suitcase for 1 x control unit and 6 x delegate units
CCS-SC10900	Portable suitcase for 10 x discussion units
LBB3311/00	19" mounting brackets
LBB3316/00	System installation pack, (100 metres of CCS900 cable + 5 male + 5 female connectors)
LBB3316/05	Extension cable assembly, 5 metres
LBB3316/10	Extension cable assembly, 10 metres





# Audio Speakers & PA

## □ Bosch Plena Easy Commercial PA



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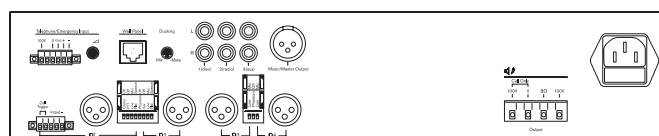
### BOSCH PLENA-EASY MIXER AMP

#### SINGLE ZONE WITH 100V LINE + 8Ω OUTPUT

High performance, professional public address units with modern state of the art features. They are easy to use, taking the complexity away from the user and putting it where it belongs, inside the equipment. Providing a crisp call or clear music is as easy as turning on the radio. The amplifier is also surprisingly affordable, without sacrificing features such as ducking, priority and flexibility.

- 4 microphone/line inputs, plus 3 music source inputs
- Telephone input with priority & VOX
- Announcement only output, 3-wire volume override
- Voice-activated emergency override
- Wide range of power (30, 60 and 120 Watts)
- 100 V and 8 ohm outputs
- 2-tone chime (more with PLE4TM)
- Outputs for line out and music only out
- Unique easy-to-use intuitive tone controls

Mic.	Inputs	Zone	Insert	Output	Code
4	3xRCA	1	No	30Wrms	PLE-1MA030
4	3xRCA	1	No	60Wrms	PLE-1MA060
4	3xRCA	1	No	120Wrms	PLE-1MA120



### BOSCH PLENA-EASY MIXER AMP 2 ZONE

#### TWO ZONE WITH 100V LINE + 8Ω OUTPUT

The music can be switched on and off in the zones via the front panel and optional wall panel. Announcements from the PLE-2CS two-zone call station can be routed to zone 1 or zone 2, or both. Announcements from the tel/100 V input or inputs 1 & 2 are routed to both zones. Input 1 can be used for a PLE-1CS all-call call station or any other microphone or call station with a PTT contact.

- 6 microphone/line inputs plus 3 music source inputs
- Telephone and a call station input with priority & VOX
- 2 zones and announcement only output
- Voice activated emergency override
- High output power 120 and 240 Watts
- 100 V and 8 ohm outputs
- 2-tone chime built in (7 more chimes optional with call station)
- Outputs for line out, music only out and insert point
- 24 V backup input with built in 24 V charger
- Separate tone controls for microphones and music sources

Mic.	Input	Zone	Insert	Output	Code
6	3xRCA	2	Yes	120Wrms	PLE-2MA120
6	3xRCA	2	yes	240Wrms	PLE-2MA240



### BOSCH PLENA-EASY MIXER PRE-AMP

#### AMPS TO SUIT - NEXT PAGE....

The Plena mixer is a high performance, professional public address mixer with modern state of the art features. Combined with a power amplifier for an easy-to-operate powerful flexible public address system.

- 6 microphone/line inputs, plus 3 music source inputs
- Telephone and a call station input with priority & VOX
- 2 zones and 2-channel operation
- Voice-activated emergency override
- 2-tone chime built in, 7 more chimes optional with call station
- Outputs for line out, music-only out, and insert point
- 24 V backup input with built in 24 V charger
- Separate tone controls for microphones and music sources

Mic.	Input	Zone	Insert	Output	Code
6	3xRCA	2	Yes	Line	PLE-10M2







## □ Bosch Plena Easy Commercial PA



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### BOSCH PLENA-EASY POWER AMPLIFIER

#### POWER AMP ONLY WITH 100V LINE + 8Ω OUTPUT

High-power plug-and-play cost effective power amplifiers that deliver 120 and 240 Watts to constant voltage or 8 ohm loads. Built with premium quality and protections, they offer basic functionality at a budget price. The amplifiers offer straight 1 V and 100 V line in, with 100 V and 8 ohms out. They can extend the power of the PLE- series mixer amplifiers or be combined with the PLE-10M2-EU mixer, or work anywhere where more power on an existing 100 V line is needed or when a line level signal is provided.

- 120 and 240 W power amplifier in a compact housing
- 1 V line level balanced (XLR Loop-Through) input or...
- 100 V input for slave operation on 100 V speaker line
- 100 V and 8 ohm outputs screw wire connect
- Forced front to back ventilation (directly stackable)
- 24 VDC backup power input with built in charger

Input	Output	Code
1	120Wrms	PLE-1P120
1	240Wrms	PLE-1P240

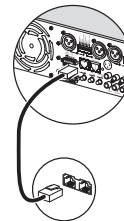


### BOSCH PLENA-EASY eWALL-PLATE

Wall Panel is used to remotely select a music source and activate or deactivate zones of a Plena PLE audio mixer or mixer amplifier.

- Can be used for all Plena Easyline (PLE) mixer amplifiers
- Remote selection of three music source inputs
- Remote zone selection
- Perfect companion to Bosch volume controls
- Daisy- chain of multiple wall panels
- Powered through the Plena system

Code  
PLE-WP3S2Z

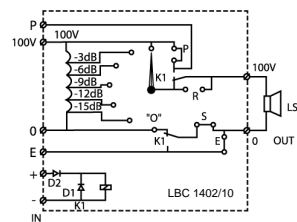
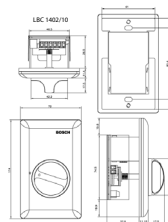


### BOSCH VOLUME CONTROLS

#### PA 100V SWITCHED AUTO-TRANSFORMER

- 12 W and 36 W versions PA 100V input
- Built-in 24 VDC volume override relay
- Suitable for 2, 3 and 4 wire systems
- Complies with international installation and safety regulations

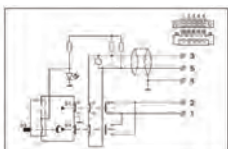
Type	Voltage	Watt	Code
5 attenuation steps +Off	100V	12W	LBC1402/10
8 attenuation steps +Off	100V	36W	LBC1412/10



### eDESK-MIC HEAVY DUTY

- Sturdy desk top microphone for demanding applications
- PTT-key for calls for activation
- Momentary or toggle
- Green LED, indicating microphone active
- Stable metal base design
- 2 m cable
- Lockable Euro style connector
- Phantom powered by amplifier

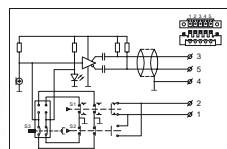
Code  
PLE-1SCS



### eDESK-TOP MIC

- PTT-key for calls for activation
- Momentary or toggle
- Green LED, indicating microphone active
- Stable metal base design
- 2 m cable
- Lockable Euro style connector
- Phantom powered by amplifier

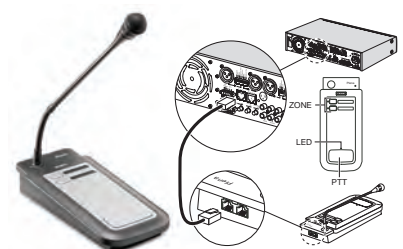
Code  
PLE-1CS



### eDESK-TOP MIC 2 ZONE

- Modern two-zone call station for the PLE series
- Selectable gain
- Speech filter and limiter
- Output level control
- Loop-through option for up to 8 call stations
- LED indications for zone selection, busy, and power on

Code  
PLE-2CS







# Audio Speakers & PA

□ Bosch Plena PA



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## PLENA MIXER AMPLIFIER ALL-IN-ONE 240W

### 6 INPUTS + BUILT-IN MEDIA PLAYER - 6 ZONE PAGING SYSTEM

Versatile all-in-one solution to cover all needs for background music (BGM), making announcements and paging people. The All-in-One Unit is a 3U high 19" wide rack-mount unit. The unit is supplied with detachable rack-mount brackets so that it can be used on a tabletop or installed in a rack. Inside the unit, the built-in 240 Watt power amplifier of the All-in-One Unit makes this a complete single-channel audio system for music distribution and paging. The amplifier can accept up to six inputs that can be switched between microphone and line level sensitivity. The inputs are balanced or can be unbalanced. Phantom power can be switched to provide power to condenser microphones. The inputs can either be mixed or can be configured with different priority arrangements (serial/blocking/overriding), based on a signal detection at each input. The unit has six zone outputs for connection to different zones. The volume level of each zone can be attenuated separately. Apart from mic input, the unit has three music inputs and an internal music source. The internal music source plays MP3 files from an SD/MMC card or USB device with a capacity of up to 32 GB. The player will automatically search and play all playable MP3 files and has repeat and random play modes. If a microphone signal receives priority, the music is either muted or attenuated to an adjustable level (music ducking). The unit also has a built in AM/FM tuner with presets to tune in and store your favourite radio stations. An optional Wall Panel can be connected to the All-in-One Unit by use of a standard Cat-5 cable and RJ45 connectors. The Wall Panel provides remote control of the system, as well as an input for a remote music player or microphone. The Enable button on the remote Wall Panel can be pressed to gain control over the music selection and master volume. This makes it the perfect accessory for a small system that requires operation from a second location with local audio inputs. This high performance yet affordable unit is very easy to install and operate. It is typically used in shops, supermarkets, restaurants, bars, schools, canteens, gyms, garages and other places where BGM creates the right atmosphere, and also amplified speech needs to be heard clearly. 133x430x365mm

- Powerful 240 W mono mixer amplifier with 6 zone output 8Ω/100V.
- All-in-One solution for background music and paging.
- Six-zone paging system, so the output signal can be routed to 6 different zones with individual attenuation control.
- Media player that can play MP3 files from SD and USB devices.
- A built-in digital AM/FM-tuner with presets
- Supports up to six microphones and three auxiliary source signals can be mixed, with priority or VOX switching.



Mic.	Input	Zone	Insert	Output	Details	Code
6	6	6	Yes	240Wrms	USB/SD/SDHD/MMC+ AM/FM	PLN-6AIO240



## PLENA ALL-IN-ONE CALL STATION DESK MICROPHONE

The Plena All-in-One Call Station is a stylish, high-quality call station that comprises a stable metal base, a flexible microphone stem, and a unidirectional condenser microphone. It has six zone keys and a separate All-Call key for easy selection of zones in a Plena All-in-One public address system. A large 'Press To Talk' (PTT) key, with re-dial function, is used to control the call.

- Stylish, high-quality six-zone Call Station for the Plena All-in-One System
- Six-zone selection keys with LED indicators, and an 'All-Call' key
- Momentary Press To Talk (PTT) key
- Configurable gain, speech filter, limiter, and output level for improved intelligibility
- Configurable attention chime

Code  
PLN-6CS



## OPTIONAL PLENA ALL-IN-ONE WALL CONTROL PANEL

The Wall Panel is connected to the Plena All-in-One Unit PLN-6AIO240 with a standard Cat-5 cable. The maximum cable length is 600 m. The buttons on the Wall Panel have the same function as the corresponding buttons on the front panel of the All-in-One Unit. The design and colour of the Wall Panel are unobtrusive in any interior. Ease of installation, operation, and reliability are optimized in the design.

- Remote control for the Plena All-in-One Unit PLN-6AIO240
- BGM routing and volume control
- Remote selection of four music source inputs
- Remote microphone/line input
- Powered from the Plena All-in-One Unit
- Cat-5 cable not included

Code  
PLN-4S6Z







## □ Bosch Plena PA



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### PLENA PUBLIC ADDRESS SOLUTIONS

Plena Solutions can be used to tailor the public address system to the precise needs of small-to-mid-sized locations. Plena offers facilities for background music, paging and playing pre-recorded commercials and additional power for applications such as hotels, offices and shopping malls.

- High quality sound and construction
- Ideal for small to mid-sized applications
- Easy expandability and function
- Easy to install and maintain



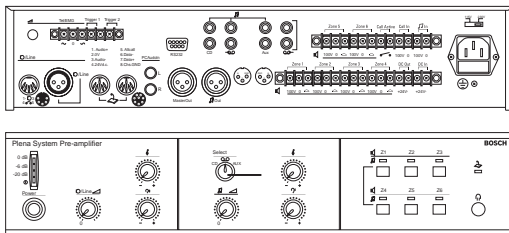
### PLENA MIXER 6 ZONE PRE-AMP

#### PRE-AMPLIFIER ONLY - REQUIRES AMP

The Plena system pre-amplifier is a versatile, high performance unit with call and mono BGM (background music). It fulfills a wide variety of public address requirements at a surprisingly low cost. It can provide dual channel operation for simultaneous calls and BGM for up to six different zones, using two Plena amplifiers.

- Six-zone system pre-amplifier, with single or dual channel operation
- Two input channels for call stations
- Universal input for microphone/line, with speech optimised tone control
- Three inputs for BGM selection and music optimised tone control
- Front panel zone selection for BGM and call station zone selection for calls
- PC and trigger inputs for automated calls, alarm tones and chimes to selected zones

Mic.	Input	Zone	Insert	Output	Code
2	3xRCA	6	No	Line	LBB1925/10



LBB1941-00 / LBB1946-00  
Microphone Not Included

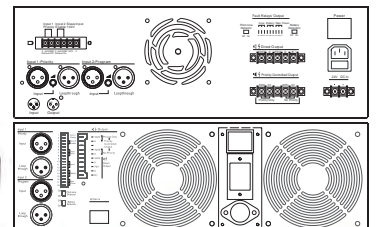
### PLENA POWER AMPS

#### POWER AMPLIFIER ONLY WITH 100V LINE + 8Ω OUTPUT

A powerful range of power amplifiers in a 2U high 19" case for rack mounting or tabletop use. LEDs on the front panel show the status of the amplifier: power, audio output level, and supervised functions. This high-performance unit fulfils a wide range of public address requirements at a surprisingly low cost.

- High power amplifier in a compact housing
- 70V / 100V and 8 ohm outputs
- Dual inputs with priority switching
- 100 V input for slave operation on 100 V speaker line
- Temperature controlled forced front to back ventilation, directly stackable.

Input	Output	Code
1	120Wrms	LBB1930/20
1	240Wrms	LBB1935/20
1	480Wrms	LBB1938/20
1	1000Wrms	PLN-1P1000



### PLENA INDUCTIVE LOOP AMP

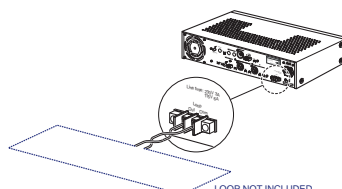
The Plena Loop Amplifier is a cost-effective amplifier designed to drive a wire loop installed in the floor or ceiling, covering an area of up to 600M<sup>2</sup> per amplifier. This solution enables hearing-aid users in the area enclosed by the wire loop to hear all announcements, or music. Hearing-aid users can set their devices to the Tmode setting to receive the signal coming from the loop. They receive announcements in excellent audio-quality, without the background noise or reverberations that normally impair intelligibility for people with hearing disabilities.

- High power, current driven amplifier
- Two microphone/line inputs, one priority input (100 V)
- Selectable frequency range and tone controls
- Limiter and automatic gain control (AGC)
- Integrates in an EN 54-16 and EN 60849 compliant system

Code
PLN-1LA10

#### INDUCTION LOOP TESTER

Code
PLN-ILR



LOOP NOT INCLUDED







# Audio Speakers & PA

## Bosch Source Accessories



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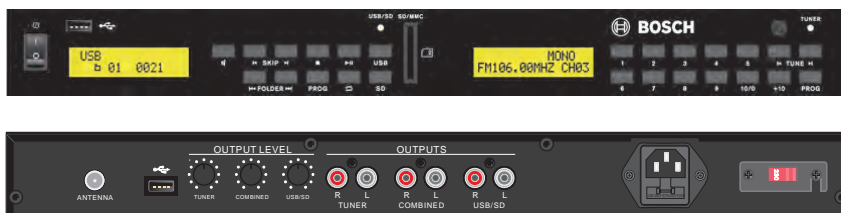
### PLENA EASY BGM

Plena Easy Line SD Tuner BGM source is the ideal high-quality source for background music (BGM) in public address systems. It provides hours of uninterrupted music for professional systems. Designed without moving parts, it can be used in systems that are on for long periods. It is designed to be used with non-volatile steady state flash memory.

- MP3 playback from SD card and USB inputs
- FM tuner with RDS, presets and digital control
- Simultaneous operation of SD/USB-player and FM tuner
- Separate outputs for digital source and FM tuner

#### Code

PLE-SDT



### WEEKLY TIMER

The Plena Weekly Timer is an accurate timer for use in public address systems. It is ideally suited for schools, shopping malls and all other venues that need regularly timed messages, signals or other controls. It is ideally suited for connection to the Plena Message Manager and Voice Alarm System.

- Two weekly programs
- 14 Chimes
- Six contact outputs
- Automatic daylight/standard time
- BGM level control
- Hold and pause function
- Programming on the unit and via the supplied PC program
- Ideal partner complement to the Plena Message Manager and Voice Alarm Controller for timed messages

#### Code

PLN-6TMW



### DIGITAL MESSAGE ANNOUNCER

The Plena message manager is a high performance, highly versatile stand-alone digital message player. Applications range from spot announcements in supermarkets and theme parks to warning and evacuation messages in emergency situations.

- Highly flexible stand-alone digital message player
- Up to 12 messages and 12 trigger inputs
- Downloads messages from a PC in WAV format
- Compliant with standards for emergency sound systems
- Zone control for Plena system preamplifier LBB 1925/10
- Front panel control and remote control

#### Code

LBB1965/00



### FEEDBACK ELIMINATOR

The Plena feedback suppressor uses a powerful DSP with a patented algorithm to suppress acoustic feedback. It actively filters out unwanted room reverberations using an echo-cancellation and de-reverberation algorithm. By adding masked (inaudible) noise to the output signal or by shifting the frequency of the output signal by five hertz, the Plena feedback suppressor is able to detect the reverb component of the signal and remove it before feedback occurs. This leaves the original signal intact.

- Patented feedback suppression algorithm
- Suppresses feedback before it occurs
- Automatically adapts to the acoustical situation
- Up to 12 dB additional gain before feedback occurs
- Balanced line or microphone input with phantom supply
- Second microphone input with automatic mixer

#### Code

LBB1968/00







## □ Bosch Microphones



**BOSCH**



### PLENA ALL-CALL STATION MIC

The Plena Call Station is a stylish, high-quality call station with a stable metal base design, a flexible microphone stem, and a unidirectional condenser microphone. Its purpose is to make calls to all zones (all-call) in a public address system built around the LBB 1925/10 system pre-amplifier. In addition to tabletop use, the special design enables the unit to be neatly flush-mounted in desktops.

- Stylish all-call call station, intended for LBB 1925/10 system pre-amplifier
- Unidirectional condenser microphone on flexible stem
- Momentary PTT-key for calls
- Selectable gain, speech filter, and limiter for improved intelligibility
- Stable metal base design
- Fixed 5 m cable and loop-through connector for additional call stations



**Code**  
LBB1941/00

### UNIVERSAL TABLE TOP MIC - XLR & DIN

The Plena tabletop microphone is a stylish, high quality tabletop unidirectional condenser microphone, mainly intended for making calls in a public address system. Its heavy metal base and rubber feet ensure stability on any flat surface. The special design also allows the unit to be neatly flush-mounted in desktops.

- Stylish tabletop unidirectional condenser microphone on a flexible stem
- Phantom powered by amplifier
- Momentary or toggle PTT-key for calls with priority contact
- Green LED, indicating microphone active
- Stable metal base design with fixed 2 m cable
- Lockable DIN connector
- XLR Adaptor



**Code**  
LBB1950/10

### PLENA CALL STATION

#### DESK MIC 6 ZONE

Six-zone Call Station is a stylish, high-quality call station with a stable metal base design, a flexible microphone stem, and a unidirectional condenser microphone. It can make calls to selected zones (one to six and all-call) in a public address system built around the LBB 1925/10 system pre-amplifier. In addition to tabletop use, the special design enables the unit to be neatly flush-mounted in desktops.

- Stylish six-zone call station, intended for LBB 1925/10 system pre-amplifier
- Unidirectional condenser microphone on flexible stem
- Six zone selection keys, all-call key, and momentary PTT-key for calls
- Selectable gain, speech filter, and limiter for improved intelligibility
- Selectable priority levels and different pre and postcall chimes
- LED indications for zone selection, system activity, and call station status



**Code**  
LBB1946/00

### UNIVERSAL GOOSENECK MIC

The gooseneck microphone is a stylish high quality unidirectional condenser microphone, mainly intended for public address applications.

- Unidirectional condenser microphone
- Flexible stem
- Phantom powered by amplifier
- On/off sliding switch with priority contact
- Supplied with fixed 2 m (78 in) cable and lockable DIN connector

**Code**  
LBB1949/00



### UNIVERSAL HAND-HELD MIC

This unidirectional handheld microphone provides some motion freedom. It is based on a dynamic transducer element in a sturdy housing with shielding against wind and wind bursts (pops). The microphone has excellent cardioid directivity, greatly reducing acoustic feedback. The microphone is intended for public address and sound reinforcement applications such as in leisure centres, assembly halls, and shops. Includes wall mount clip. 221x53mm 420g. Bosch branded.

- Dynamic transducer 600 ohm 2mV/Pa
- Unidirectional handheld microphone
- High speech intelligibility 100Hz-13KHz
- Rugged construction - Dark grey finish
- Inbuilt mute I/O switch with PTT contacts
- 0.5M coiled / 1.2M uncoiled to 5 Pin Din

**Code**  
LBB9099/10

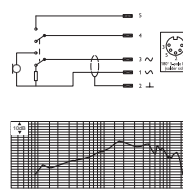


### UNIVERSAL PTT HAND MIC

Dynamic passive handheld microphone push-to-talk is designed for close talking applications, and is ideal for short announcements.

- Excellent speech reproduction
- Rugged construction
- Easy to handle
- Remote switching contact
- Close talking applications
- Matt black finish

**Code**  
LBB9080/00







# Audio Speakers & PA

□ Bosch Plena Matrix



**BOSCH**  
Invented for life



## PLENA MATRIX DIGITAL SOUND SYSTEM

### HIGH PERFORMANCE DSP WITH MULTIPLE CONTROL OPTIONS

The PLENA matrix system combines superior audio performance and product quality in an easy to install and use package. Ideal for recorded or live music and speech distribution, PLENA matrix will produce outstanding sound in small to medium applications requiring up to 8 zones.

- Complete DSP 8-zone matrix mixer and loudspeaker processor featuring powerful control
- 4 microphone/line inputs, call station input, 3 RCA music inputs and up to 8 mixed outputs
- 4-channel power amplifiers (100 V / 70 V / 8  $\Omega$  / 4  $\Omega$  output) with DSP processing and input mixing
- Standby mode engaged manually, or automatically with motion sensors in each zone
- Control via Windows® PC GUI, Apple® iOS® App and Wall Control Panels
- 8-zone call station with capacitive touch buttons and programmable zone selection
- Three year warranty



### INTELLIGENT FEATURES & SUPERB PERFORMANCE

As expected from Bosch, audio performance is premium and with their new PLENA matrix series, PA is now in the digital age of convenience with DSP and touch control.

- **8-Zone DSP Matrix Mixer** delivers a full-featured DSP zone matrix with 4 microphone/line, 3 music source, call station and emergency inputs, all output via parametric EQ to 8 zones.
- **4-Channel DSP Power Amplifiers** (125 or 220 W/channel models) Class D power amplifier, 100 V/70 V/8  $\Omega$ /4  $\Omega$  outputs. Built-in DSP with input mixing controls via iOS app or PC GUI. 8-band parametric EQ for each zone.
- **Call Station** with up to 8 Zones for paging.
- **Wall Control Panels** for simple volume and source select
- **Ethernet** for integration of computer and tablet devices for access to advanced signal administration and DSP audio control.



### EASY CAT5 CONNECTIONS SOLUTIONS

Utilising CAT5 cabling dramatically reducing cable runs and installation time while simplify wiring chaos making setup and trouble shooting intuitive. Bosch recommend using CAT5e-SFTP Shielded Patch cables.

- **Amp Link** CAT5e connections link the DSP mixer with the amplifiers. 4CH per CAT5-SFTP Digital streaming up to 500 metres.
- **Call Station** CAT5 connection can be Daisy-chained to expand to further call stations, audio, control and powered over a single CAT5.
- **RS485** CAT5 connection to Wall Controllers. Daisy-chain to expand to up to 16 wall controllers, all powered over CAT5.
- **Ethernet** CAT5 to up to 5x PC Control and/or a wireless hub for WiFi control by up to 8 iPad®/iPhone® Apps for hand-held touch control.
- **Multiple systems** CAT5 Ethernet hub can connect further PLM-8M8 Matrix Mixers for easy central control of complex installations.



### SAVE ON RUNNING COSTS

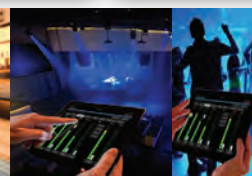
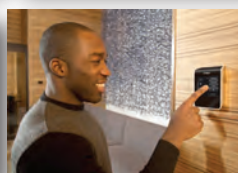
Class D Amplifiers are the most efficient form of amplification saving on long term power use. Amplifiers automatically drop into low power consumption mode when zones are not used. With the aid of optional PIR motion detectors, zones can automatically switch on and off. Reduce running costs and extending product life without depending on venue staff.



### ADVANCED DIGITAL CONTROL

Taking advantage of the latest in GUI control of Digital Signal Processing makes advanced intricate control easy for even the novice. 3 Levels of operator are available. From simple venue employee to manager to advanced system with full DSP adjustments. Modern interfaces make operation intuitive and a joy to use.

- **Wall Control Panels** enable input source and volume control within each zone.
- **Call Stations** provide paging capability to up to 8 zones with optional ducking.
- **PC GUI** provides extensive controls for audio professionals and system admins with password protected access. Modern software is highly graphical and easy to use.
- **iOS® App** for iPhone® and iPad® allows wireless control of input source and acoustic variables over multiple zones. Up to 8 users simultaneously can have portable access.







## Bosch Plena Matrix



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### PLENA MATRIX DSP MIXER

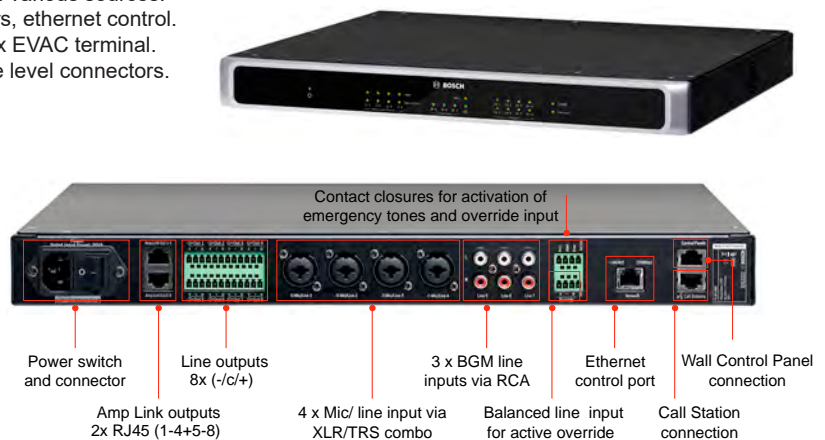
#### 8 ZONE CONTROLLER WITH 4 MIC & 3 BGM INPUTS + CALL STATION & CONTROL PANEL INPUTS

Multi-zone control centre for low-level mixing and routing of various sources. Required to integrate call stations, control panels, amplifiers, ethernet control. Inputs include 4x mic/aux, 3x RCA, 1x Call station, Phoenix EVAC terminal. Outputs to "Amp-link" RJ45 (x2) or (8x) 3-Pole Phoenix line level connectors.

- Independent zone selection (up to 8 zones)
- Independent mixing of 4 x mic/line inputs (per zone)
- Independent 3 BGM source selection (per zone)
- Paging level control per zone. Ducking facility
- Input gain, HPF, PEQ (5 filters mic/line)
- Dynamic range compressor. Dynamic bass.
- Crossover (HPF, LPF, up to 8th order)
- Output PEQ (7 filters per output)
- Output delay (up to 120 ms)
- Output level control with phase inversion
- Call station, override and tones facility

#### Code

PLM-8M8



### PLENA MATRIX DSP AMPLIFIERS

#### QUAD CHANNEL CLASS-D AMPLIFIERS WITH 4 LOCAL INPUTS

Can operate as a 4 zone amplifier or bridge to operate as a single zone high power stereo amplifier. 4CH inputs accept line-level or microphone, 1/4" or XLR or hard wired connections, level trimming. Sensor trigger inputs for auto stand-by power up/down. Use as part of an expanded system or stand-alone with full featured IP control.

- Highly efficient Class D amplifiers with low standby power
- Bridgeable outputs (1-2/3-4) for quad or stereo output
- Separate dedicated 4Ω / 8Ω / 70V / 100V on each output
- Level control of amplifier output channels via IP controlled
- Built-in DSP feature set and full 4-channel mixer. Dynamic bass.
- Standby on/off (Auto Standby with optional motion detectors)
- Crossover Filters and EQ Filters (PEQ, HPF, LPF, Shelf)
- Delay control up to 120 ms delay per channel with distance
- Dynamic range compressor/limiting with advanced controls
- Local OVERRIDE connection for emergency, EVAC, etc.

#### Outputs Bridged Code

4x 125W 2x 250W PLM-4P125

4x 220W 2x 445W PLM-4P220



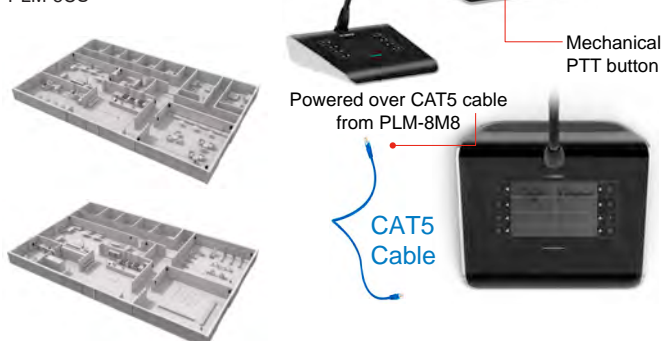
### PLENA MATRIX CALL STATION

#### 8 ZONE ANNOUNCING MICROPHONE

- Paging any combination of 8 zones
- Capacitive touch buttons
- Status LED indicators
- Label inserts printed from PC GUI
- Powered via CAT5 from PLM-8M8
- Daisy chained using CAT5 RJ45

#### Code

PLM-8CS



### PLENA MATRIX WALL CONTROL PANEL

#### IN-ZONE CONTROLLER

- Individual local zone controller
- Volume & input source selection
- Status LEDs & Volume level
- Label inserts printed from PC GUI
- Powered via CAT5 from PLM-8M8
- Daisy chain more units with CAT5

#### Code

PLM-WCP

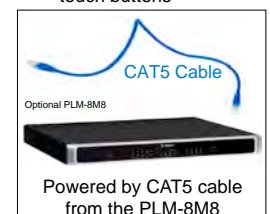
[www.boschcommunications.com.au](http://www.boschcommunications.com.au)



Paper label inserts can be printed off from GUI



Capacitive touch buttons







# Audio Speakers & PA

## □ Bosch PA Speakers



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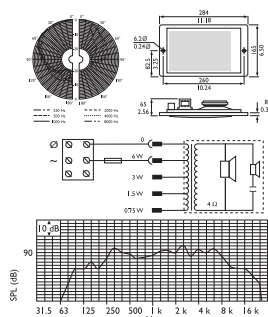


### BOSCH PANEL LOUDSPEAKERS

The Bosch panel loudspeakers and matching mounting boxes are ideal for built-in sound installations in shops, department stores, schools, offices, hotels and restaurants. They are manufactured and finished to the same exacting standards as all Bosch public address systems and components, guaranteeing high quality, and compatibility throughout the range.

#### OPTIONAL VOLUME CONTROL

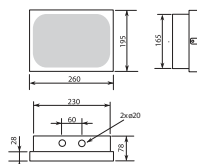
Watt	9W
Taps	0.75/1.5/6/6W
Size	284x165x65mm
SPL	88dB
dBi	96dB
Details	Without Volume    With Volume
Code	LBC3011/41    LBC3011/51



### BOSCH PA METAL CABINET LOUD SPEAKER

The LBC 3018/01 cabinet loudspeaker delivers professional performance from a robust, yet aesthetically designed metal enclosure. It is an ideal loudspeaker for indoor use in offices, schools, car parks, shopping centres, prisons and in areas where vandalism is a potential hazard. This product is equipped with a high efficiency, dual-cone loudspeaker offering a wide frequency range suitable for both speech and music reproduction.

- Suitable for speech and music reproduction
- Robust metal enclosure
- Surface and/or recessed mounting
- Provision for internal mounting of the optional line/loudspeaker supervision boards
- EN 54-24 certified



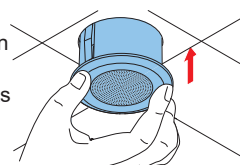
Watt	9W
Taps	0.75/1.5/3/6W
Size	195x260x80mm
SPL	94dB
dBi	102dB
Code	LBC3018/01



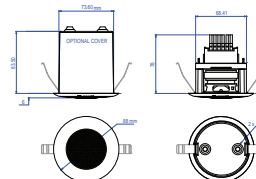
### BOSCH PA CEILING 4"

#### SUPER COMPACT WITH A BIG SOUND

- Suitable for speech and music reproduction
- Extreme compact size 88mm Diam. Facia
- Suit humid, chlorine and salty environments
- Selectable 70 V , 100 V and 8 Ohm input



Size	78x88mmØ
Hole	76mmØ
Watt	6Wrms 9Wmax
Tags	6/3/1.5/0.75W
SPL	90dB
dBi	82dB
Code	LC5-WC06E4



#### BACK COVER TO SUIT THE LC5-WC06E4 SPEAKER

Code	LC5-CBB
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### BOSCH PA CEILING SPEAKERS BCS-CS RANGE

The BCS-CS Series of Ceiling Loudspeakers are part of the latest 'EasyFit' range. BCS-CS Loudspeakers are lightweight, quick and easy to install, and are finished in unobtrusive white with an attractive metal grille. Their wide frequency range and dispersion ensure good quality music reproduction and excellent speech intelligibility.

- Wide bandwidth for music reproduction
- Wide dispersion for speech intelligibility
- Simple output-level selection
- Easily flush-mounted in ceilings or bulkheads
- Dependable rota-clamp fixing system
- Blends in with virtually all interiors



Details	4" Easy-Fit	8" Easy-Fit	8" Easy-Fit
Watt	8W max	22W max	45W max
Taps	0.33, 0.5, 1, 2.5, 5W	1.25, 2.5, 5, 10, 15W	3.75, 7.5, 15, 30W
Size	110x170mmØ	103x273mmØ	115x273mmØ
SPL	89dB	93dB	93dB
dBi	94dB	105dB max	108dB max
Code	BCS-CS4BW	BCS-CS8BW	BCS-CS830BW






**BOSCH**


## BOSCH PA CEILING 6" LBC

### DUAL CONE METAL GRILLE

Voice alarm loudspeakers are specifically designed for use in buildings where performance of systems for verbal evacuation announcements is governed by regulations. The LBC 3086/41 is designed for use in voice alarm systems.

- Suitable for speech and music reproduction
- Flush-mounting in ceiling cavity
- Easy to install
- Simple power setting
- Optional certified fire dome

#### Details 6"

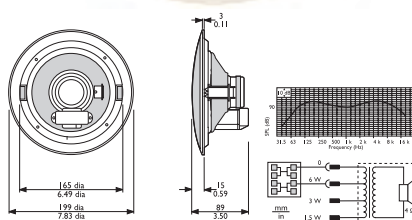
Watt	6Wrms 9Wmax
Taps	0.75/1.5/3/6W
Size	90x216mmØ
SPL	90dB
dBi	98dB
Code	LBC3090/31



### FIREHOME

Steel. Red.

Size	87x147mmØ
Code	LBC3080/01



## BOSCH PA CEILING 6" LBC SAFETY

### DUAL CONE METAL GRILLE FIRE SAFETY RATED

Voice alarm loudspeakers are specifically designed for use in buildings where performance of systems for verbal evacuation announcements is governed by regulations. Designed for use in voice alarm systems.

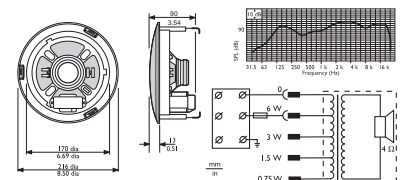
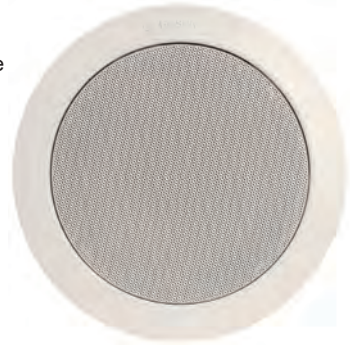
- Suitable for speech and music reproduction
- Flush-mounting in ceiling cavity
- Easy to install
- Simple power setting
- Optional certified fire dome

#### Safety ratings

EN 60065  
BS 5839-8  
EN 60849  
EN 60529-IP32  
\*EN 54-24  
(\*With fire dome)

#### Details 6" Dual Cone

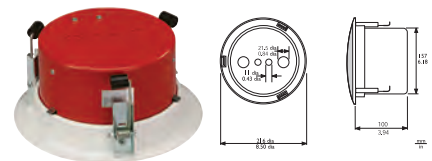
Watt	9W
Taps	0.75/1.5/3/6W
Size	90x216mmØ
SPL	90dB
dBi	98dB
Code	LBC3086/41



### FIREHOME

Steel. Red.

Size	100x157mmØ
Code	LBC3081/02



## BOSCH PA CEILING 6" LBC POLY

### POLY COVER FIRE SAFE

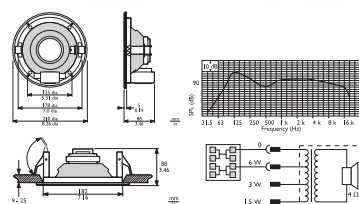
The LBC 3090/01 is an economic flush-mounting ceiling loudspeaker for general purpose applications. It is a full range loudspeaker for speech and music reproduction in shops, department stores, schools, offices, sports halls, hotels and restaurants.

- Suitable for speech and music
- Increased sensitivity
- Flush-mounting in ceiling cavity
- Easy to install
- Protective dust cover

#### Safety

EN 60065

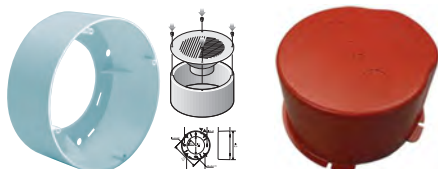
Details	6" poly Grille
Watt	6Wrms 9Wpeak
Taps	1.5/3/6W
Size	88x210mmØ
SPL	91dB
dBi	103dB
Code	LBC3090/01



### SURFACE MOUNT

Adaptor. Off-white.

Size	93x210mmØ
Code	LBC3091/01



### FIREHOME

Steel. Red.

Size	87x147mmØ
Code	LBC3080/01

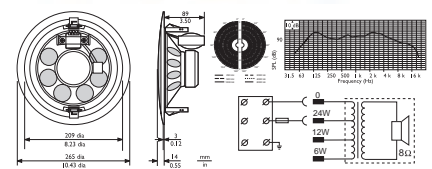
## BOSCH PA CEILING 8"

Flush-mounting ceiling loudspeaker for applications where extra power is required, such as rooms with high ceilings. It delivers a high sound pressure level and has a wide frequency range to ensure excellent speech intelligibility and good quality music reproduction. It is used in applications like shops, department stores, schools, offices, sports halls, hotels and restaurants.

- Excellent speech and music reproduction
- High sound pressure level
- Ideal for high-ceiling applications
- Flush mounted in ceilings
- Clamp mounting

#### Details 8" Dual Cone

Watt	36W
Taps	6/12/24W
Size	89x265mmØ
SPL	92dB
dBi	106dB
Code	LBC3099/41



### FIREHOME

Steel. Red.

Size	100x182mmØ
Code	LBC3082/00







# Audio Speakers & PA

## BOSCH PA HORN SPEAKER 8"

### MARINE GRADE

Horn Loudspeaker is specifically designed for excellent sound reproduction in marine applications and other industrial environments. It is rugged, water and dust protected, and resistant to the corrosive effects of seawater and most industrial atmospheres. Suitable for both stationary and mobile systems, its strength and good acoustic performance also makes it ideal for general commercial applications.

- Suitable for marine and industrial applications
- Glass reinforced polyester with strong, fire retardant qualities
- Corrosion and chemical resistant
- Reduced maintenance costs
- IP 67

Details	8" White IP67
Watt	15W (22Wmax)
Taps	1.8, 3.75, 7.5, 15W
Size	302x212mmØ
SPL	120dB
dBi	102dB
Code	LH2-UC15-E



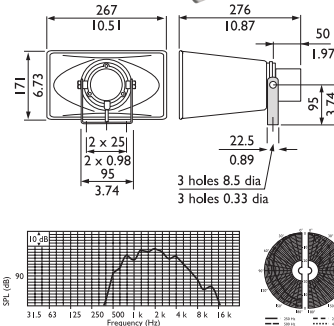
## BOSCH PA HORN SPEAKER SQUARE

### POPULAR RECTANGULAR SHAPE

Bosch high-efficiency horn loudspeakers provide excellent speech reproduction and sound distribution for a wide scope of outdoor applications. They are ideal for sports grounds, parks, exhibitions, factories, pools, etc.

- High efficiency driver
- Up to 45 W (max. power)
- Wide opening angle
- Excellent speech reproduction
- Simple power setting

Details	Rectangular Horn
Watt	15W
Taps	2.5/5/10W
Size	267x171x276mm
SPL	108dB
dBi	121dB
Code	LBC3491/12



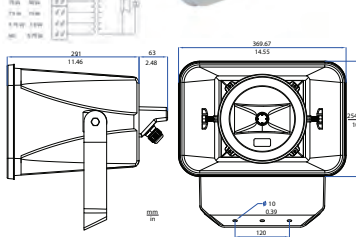
## BOSCH PA HORN SPEAKER HIFI

### 2-WAY MUSIC QUALITY

The Bosch LH1-UC30E Music Horn Loudspeaker features a two-way system, resulting in an extended frequency range and high sensitivity which makes it ideal for high quality speech and music reproduction.

- Excellent speech and music reproduction
- Two-way system
- Wide opening angle
- Attractive ABS housing
- Provisions for internal mounting of the optional line / loudspeaker supervision board

Details	Two Way HiFi
Watt	45W
Taps	3.75/7.5/15/30W
Size	370x255x291mm
SPL	100dB
dBi	115dB
Code	LH1-UC30E



## BOSCH PA HORN 7 1/2"



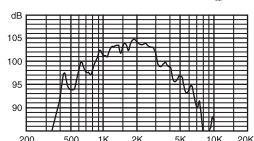
**BOSCH**  
Invented for life



The LBC 3470/00 is a 15 W high-efficiency circular horn loudspeaker, provide excellent speech reproduction and sound distribution for a wide scope of indoor and outdoor applications. It is ideal for sports grounds, parks, exhibition areas, factories and swimming pools. The horn is made from ABS and finished in light grey.

- High-efficiency driver
- Excellent speech reproduction
- Versatile mounting bracket
- Water-and dust protected to IP 65
- Complies with international installation and safety regulations

Details	ABS Horn
Watt	22.5W
Taps	3.75/7.5/15W
Size	225x190mmØ
SPL	103dB
dBi	115dB
Code	LBC3470/00

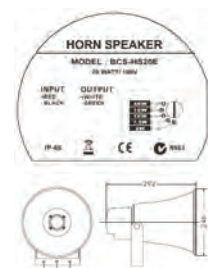


## BOSCH PA HORN SPEAKER 8" & 9 1/2"

High-efficiency horn loudspeakers provide excellent speech reproduction and sound distribution for a wide scope of paging and emergency evacuation applications.

- 10W & 20W Models available
- IP66 Rated outdoor use
- Emergency Evacuation System ready
- Wide dispersion for speech intelligibility
- Screwdriver adjustable power tapping
- Loop in / Loop out wiring

Details	8" White IP66	9.5" White IP66
Size	230x200mmØ	292x246mmØ
Watt	10W	20W
Taps	1.25, 2.5, 5, 10W	5, 7.5, 10, 15, 20W
SPL	108dB	110dB
dBi	119dB max	124dB max
Code	BCS-HS10E	BCS-HS20E



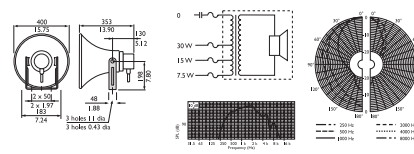
## BOSCH PA HORN SPEAKER 14"

### LARGE AREA BROADCAST

Bosch high-efficiency horn loudspeakers provide excellent speech reproduction and sound distribution for a wide scope of outdoor applications. They are ideal for sports grounds, parks, exhibitions, factories, swimming pools, etc.

- High efficiency driver
- Up to 45 W (max. power)
- Wide opening angle
- Excellent speech reproduction
- Simple power setting

Details	14" ABS Horn
Watt	30W
Taps	5/10/20W
Size	332x354mmØ
SPL	110dB
dBi	125dB
Code	LBC3493/12







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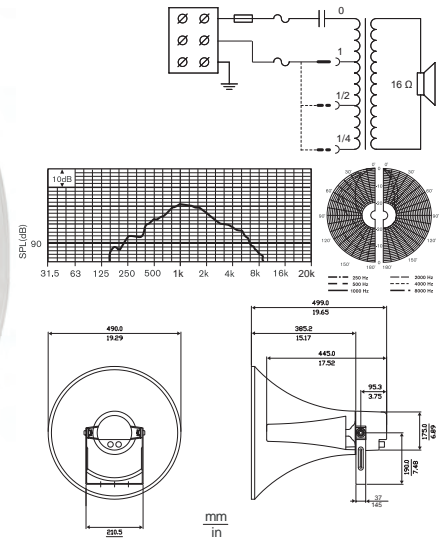


## BOSCH 20" HORN LOUDSPEAKER 50W

Highly accurate speech reproduction and powerful sound distribution is ideal for outdoor use such as sporting events, exhibits, swimming pools, etc. The durable aluminium construction is protected against impact by a PVC rim around the edges. Designed for use in voice alarm systems and is compliant with emergency standards.

- High efficiency driver
- Excellent speech reproduction
- Provision for inside mounting of the optional line/loudspeaker supervision board
- Water-and dust protected to IP65
- BS 5839-8 and EN 60849 compliant

Details	20" Horn 50W
	Aluminium
Watt	52.5W
Taps	9/18/36W
Size	500x490mmØ
SPL	111dB
dBi	117dB
Code	LBC3483/00

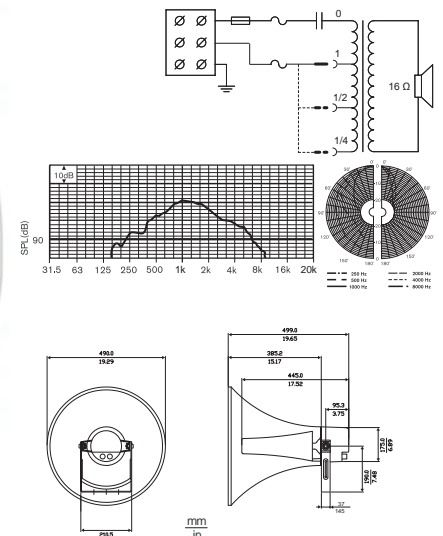


## BOSCH 20" HORN LOUDSPEAKER 75W

Bosch high-efficiency horn loudspeakers provide excellent speech reproduction and sound distribution for a wide scope of outdoor applications. They are ideal for sports grounds, parks, exhibitions, factories and swimming pools. This 50 W horn loudspeaker, measuring 490 mm (19.6 in) in diameter is made from aluminium. The edges of the horns are covered with a PVC profile for protection against impact damage. They are light grey (RAL 7035), and are water and dust protected.

- High efficiency driver
- Excellent speech reproduction
- Provision for inside mounting of the optional line/loudspeaker supervision board
- Water and dust protected to IP 65
- BS 5839-8 and EN 60849 compliant

Details	20" Horn 75W Aluminium
Watt	75W
Taps	12.5/25/50W
Size	500x490mmØ
SPL	110dB
dBi	127dB
Code	LBC3484/00



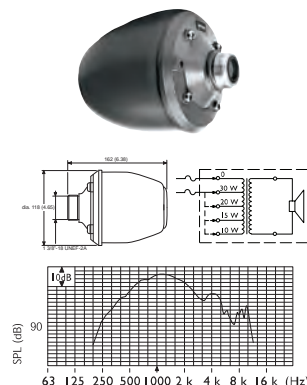
## BOSCH HORN DRIVER - LBN SERIES

### REQUIRES HORN 1 3/8"

The Bosch professional horn loudspeaker system comprises a range of three high-efficiency driver units that can be installed into one of the compatible circular and rectangular horns (supplied separately without drivers). A standard 1 3/8" screw thread is used for mounting the drivers into horns. All models are treated against corrosion.

- High efficiency
- 30W or 50W versions
- 1 3/8" screw thread
- Simple power setting
- Complies with international installation and safety regulations

Details	Driver Only	Driver Only
Watt	30W	50W
Taps	10/15/20/30W	30/35/40/50W
Size	134x104mmØ	162x118mmØ
SPL	114dB	114dB
dBi	129dB	131dB
Code	LBN9001/00	LBN9003/00



## BOSCH DRIVER HORN FLARES - LBN SERIES

Flame-retardant, high-impact plastic for high strength and low weight, and are finished in light grey. A steel mounted bracket is also supplied.

Details	10" Round	15" Round	20" Round	9x15" x Square
Size	255mmØ	380mmØ	510mmØ	380x235mm
Code	LBC3403/16	LBC3404/16	LBC3405/16	LBC3406/16







# Audio Speakers & PA



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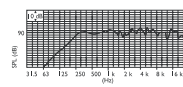
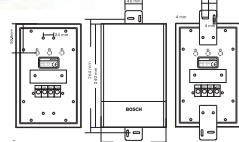
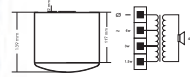


## BOSCH CABINET SPEAKER

General-purpose, cost effective loudspeaker for indoor use. Two brackets, fixed to the rear panel, are provided for quick and easy mounting on a wall or ceiling. The cabinet is available in the colours black or white. Sold as singles.

- Good speech intelligibility and background music reproduction
- Complies with international installation and safety regulations
- Mounting brackets for wall or ceiling mounting
- Finished in white or black
- MDF construction

Watt	9W			
Taps	1.5/3/6W			
Size	264x151x139mm			
SPL	91dB			
dBi	99dB			
Details	No Volume	No Volume	With Volume	With Volume
Colour	White	Black	White	Black
Code	LB1-UW06-L	LB1-UW06-D	LB1-UW06V-L	LB1-UW06V-D



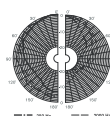
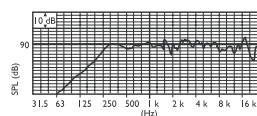
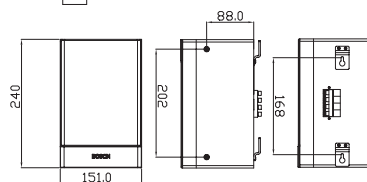
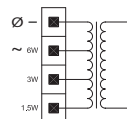
## BOSCH CABINET SPEAKER

### CORNER MOUNT

The LB1-CW06-x is a 6 W, general-purpose cost-effective loudspeaker for indoor use. Two brackets with keyholes, fixed on one side provide quick and easy mounting in corners between two walls, or between a wall and ceiling. The cabinet is available in black or white.

- Good speech intelligibility and background music reproduction
- Special shape for mounting in corners
- Available in black or white
- MDF construction
- Compliancy with international installation and safety regulation

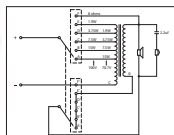
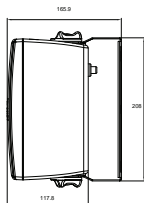
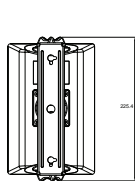
Details	Wedge
Watt	9W
Size	240x151x138mm
SPL	91dB
dBi	99dB
Taps	1.5/3/6W
Colour	Dark
Code	LB1-CW06-D



## BOSCH PA HIFI SPEAKER

Premium sound cabinet loudspeakers are intended for clear reproduction of speech, foreground and background music to be used in general indoor and outdoor applications. Range consists of a 15 W and 30 W model, available in a light or dark colour. The loudspeakers have selectable 8 ohm, 70 V and 100 V inputs. Singles.

Details	4" Woofer ½" Tweeter	5" Woofer ½" Tweeter
Watt	22.5W	45W
Taps	1.9, 3.75, 7.5, 15W	3.75, 7.5, 15, 30W
Size	205x136x117mm	250x160x140mm
SPL	86dB	90dB
dBi	98dB max	105dB max
Colour	White Charcoal	White Charcoal
Code	LB2-UC15-L LB2-UC15-D	LB2-UC30-L LB2-UC30-D







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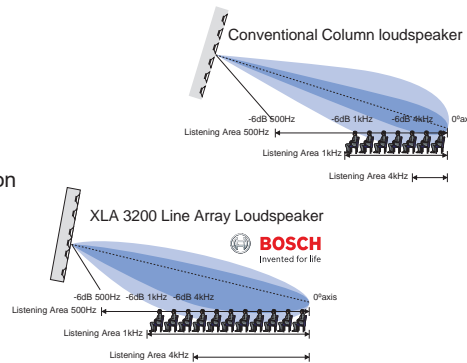


## BOSCH XLA LINE-ARRAY LOUDSPEAKERS

### LESS SPEAKERS FOR BETTER SOUND

The XLA 3200 range incorporates a unique technology angle. An ingenious new approach of positioning the loudspeaker drivers in the array, coupled with filtering techniques so each driver emits a dedicated frequency range, results in unique and advanced acoustical characteristics.

- Ideal combination of advanced acoustics and easy application
- Uniform distribution of natural sound throughout the room
- Extremely slim for unobtrusive, elegant, easy installation
- Excellent intelligibility of speech and music
- Suppressed side lobes reduces echos
- Suitable for both indoor and outdoor use
- Voice evacuation compliant as standard
- EN 54-24 and EN 60849 compliant

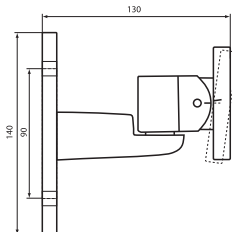


### 1200mm ARRAY FOCUSED

This loudspeaker, with its excellent directivity and high power output, can handle large (reverberant) indoor environments or outdoor use. Its full frequency range makes it ideal for music as well as speech reproduction. Conventional column loudspeakers produce a main lobe of sound, which is directed at listeners, and a number of unwanted side lobes. The LBC 3210/00 has highly suppressed side lobes in the vertical plane, resulting in a much clearer, less 'coloured' sound, even when close to the loudspeakers. This gives the line array loudspeaker superb intelligibility of both speech and music. 120cm high, 16 cm wide. 190Hz - 18KHz. Includes wall bracket. Optional floor stand.

Angle 1 kHz / 4 kHz (-6 dB)  
Horizontal 170° / 90°  
Vertical 55° / 18°

Details	Double Array
Watt	90W
Taps	15/30/60W
Size	1200x160x90mm
SPL	97dB
dBi	115dB
Code	LBC3210/00



### 1200mm ARRAY

Offers extremely accurate directivity of sound. Ideal for medium and large (reverberant) environments as well as more acoustically demanding situations like buildings with pillars or exhibition halls full of stands. Gives excellent quality reproduction of speech and background music. Excellent directivity and side lobe suppression. 120 cm high, 8 cm wide. Includes wall bracket. Optional floor stand.

Angle 1 kHz / 4 kHz (-6 dB)  
Horizontal 210° / 132°  
Vertical 50° / 22°

Details	Full Array
Watt	90W
Taps	15/30/60W
Size	1200x80x90mm
SPL	92dB
dBi	110dB
Code	LBC3201/00



### 600mm ARRAY

A very compact loudspeaker that provides superb, clear sound in small- and medium-sized indoor venues like showrooms, canteens and meeting rooms. A really good performer with a superb size/performance ratio. Surprisingly clear and natural speech and music. 190Hz - 18KHz. Includes wall bracket. Optional floor stand.

Angle 1 kHz / 4 kHz (-6 dB)  
Horizontal 220° / 130°  
Vertical 70° / 18°

Details	Compact
Watt	45W
Taps	7.5/15/30W
Size	600x80mm
SPL	91dB
dBi	106dB
Code	LBC3200/00



### FLOOR STAND

This universal floorstand provides an effective mounting solution. They are manufactured and finished to the same high standards as all Bosch products, assuring excellent quality and guaranteed compatibility throughout the range.

The LBC 1259/00 floorstand is hand-adjustable using a spring-loaded locking screw for heights between 1.4M-2.2M. An extra safety bolt on the support can be tightened to ensure the stand remains extended. This lightweight stand has a double-braced folding base for extra strength, and a wide leg span to ensure stability.

Details	Optional Stand
Size	1.4-2.2M
Code	LBC1259/00



Shown with  
LBC3201/00  
Sold Separate.

### STAND CARRY BAG

For storage and ease of transport with two inside compartments with separate zippers for holding two universal floorstands (LBC 1259/00). Made from sturdy black weather-proof nylon.

Details	Suit LBC1259/00
Code	LM1-CB







# Audio Speakers & PA



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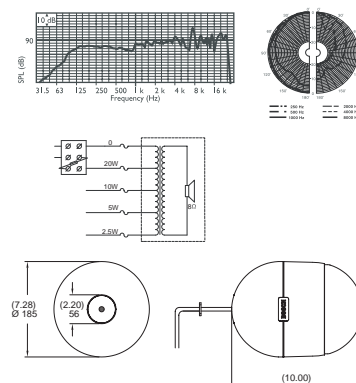


## BOSCH PENDENT SPEAKER

Sound spheres are pendent sound projectors designed to be suspended from the ceiling by their connecting cables. Their excellent sound spread makes them ideal for use in buildings with high ceilings, such as markets and superstores. The LS1-UC20E-1 is a powerful 20 W pendent sphere loudspeaker, intended for high quality speech and music reproduction. The state-of-the-art design is matched to both modern and traditional style environments. The loudspeaker is suitable for use in voice evacuation systems.

- Superb speech and music reproduction
- 5 m connection cable
- Provision for optional safety cord
- Water and dust protected to IP 65
- BS 5839-8 and EN 60849 compliant

Details	Omnidirectional
Watt	30W
Taps	2.5/5/10/20W
Size	254x185mmØ
SPL	86dB
dBi	99dB
Code	LS1-UC20E-1

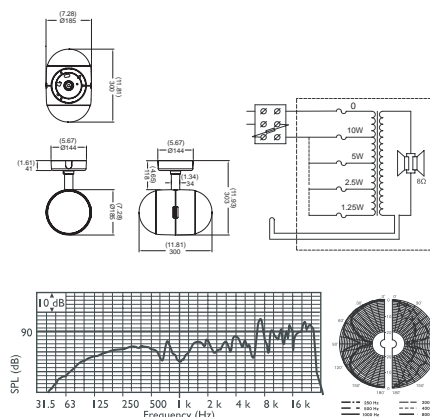


## BOSCH SOUND PROJECTOR

The LP1-BC10E-1 is a powerful 10 W bidirectional sound projector intended for high quality speech and music reproduction in indoor and outdoor applications. The two Loudspeakers facing in opposite directions are ideally suited to applications such as tunnels, long corridors and shopping arcades. The state-of-the-art design is matched to both modern and traditional style environments. The sound projector is suitable for use in voice alarm systems.

- Superb speech and music reproduction
- Integrated connection cable
- Ceiling or wall mounting
- Water and dust protected to IP 65
- BS 5839-8 and EN 60849 compliant

Details	Bidirectional
Watt	15W
Taps	1.25/2.5/5/10W
Size	300x185mmØ
SPL	80dB
dBi	90dB
Code	LP1-BC10E-1

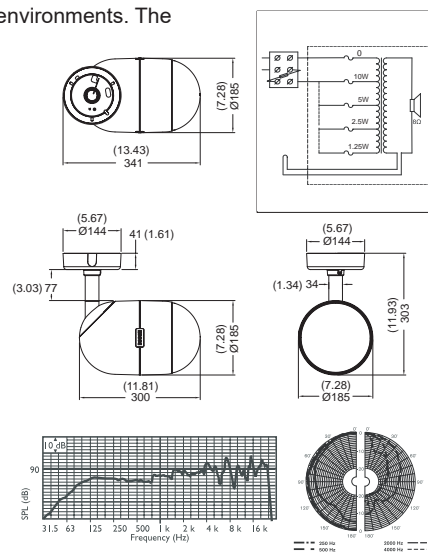


## BOSCH SOUND PROJECTOR

The LP1-UC10E-1 is a powerful, sound projector intended for high quality speech and music reproduction in indoor and outdoor applications. The state-of-the-art design is matched to both modern and traditional style environments. The sound projector is also compatible for use with voice alarm systems.

- Superb speech and music reproduction
- Integrated connection cable
- Ceiling or wall mounting
- Water and dust protected to IP 65
- BS 5839-8 and EN 60849 compliant

Details	Unidirectional
Watt	15W
Size	1.25/2.5/5/10W
SPL	86dB
dBi	96dB
Code	LP1-UC10E-1







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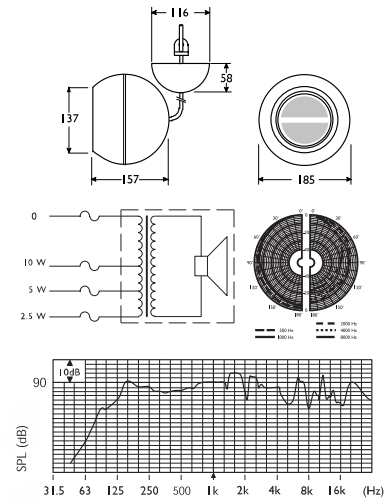


## BOSCH PENDENT SPEAKER

The LBC 3095/15 is a pendant sphere designed to be suspended from the ceiling via its connecting cable. The pleasing shape and neutral colour make the pendant sphere models interesting architectural features in their own right.

- Suitable for speech and music reproduction
- Simple power setting
- 5 m fixed connection cable
- Splash-waterproof type
- Robust self-extinguishing ABS enclosure to UL 94 V0

Details	Omni-Directional
Watt	15W
Taps	2.5/5/10W
Size	157x185mmØ
SPL	89dB
dBi	99dB
Code	LBC3095/15



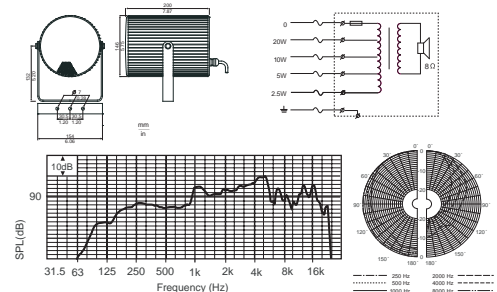
## BOSCH SOUND PROJECTOR

### UNI-DIRECTIONAL

The LBC 3432/02 is a powerful 20 W sound projector intended for speech and music reproduction in indoor and outdoor applications. The sturdy, aluminium enclosure is finished in the colour off-white. It has provisions for cable loop through connection and mounting of a line or loudspeaker supervision board. The sound projector is suitable for use in voice alarm systems.

- Excellent speech and music reproduction
- Provision for supervision board mounting
- (Suspended) ceiling and/or wall mounting
- Water and dust protected to IP 66
- EN 54-24 certified

Details	Unidirectional
Watt	30W
Size	200x146mmØ
SPL	92dB
dBi	105dB
Code	LBC3432/02



## BOSCH SOUND PROJECTOR

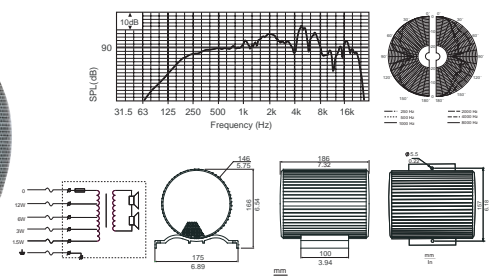
### BI-DIRECTIONAL

The LBC 3430/02 is a 12 W bidirectional sound projector intended for speech and music reproduction in indoor and outdoor applications.

The two loudspeakers facing in opposite directions are ideally suited to applications such as subway tunnels, long corridors and shopping arcades. The sturdy, aluminium enclosure is finished in the colour off-white. The sound projector is suitable for use in voice alarm systems.

- Excellent speech and music reproduction
- Ceiling and/or wall mounting
- Robust aluminium extrusion enclosure
- Water and dust protected to IP 55
- BS 5839-8 and EN 60849 compliant

Details	Bidirectional
Watt	18W
Taps	1.5/3/6/12W
Size	186x146mmØ
SPL	91dB
dBi	102dB
Code	LBC3430/02







# Audio Speakers & PA

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## BOSCH CEILING SPEAKERS - PREMIUM SOUND



# BOSCH

## Invented for life

The Bosch Premium Sound Ceiling loudspeaker system is a complete package consisting of a bezel assembly, grille, rear enclosure, coax mounted two-way loudspeaker and internal line-matching transformer. Features a waveguide coupled titanium coated dome tweeter, 2nd order crossover network at 3.3kHz, protection circuit to protect the network, woofer, and tweeter drivers from excessive power levels. Transformer with 70V or 100V lines, or 8Ω bypass. Selection is via a convenient switch on the front baffle. The perforated grille is finished in semi-gloss white powder coated enamel. The baffle and bezel are constructed from UL94V-0 rated ABS. The Bosch line of ceiling speakers has been designed to provide wide dispersion, high efficiency, high-maximum output, ease of installation, and wide-range reproduction of music or voice.

### PREMIUM SOUND 4" CEILING 30W BOSCH

#### 4" TWO-WAY HI-FI 8" BEZEL PAIR

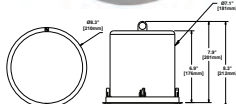
Perfect for conventional rooms. This Bosch 4" ceiling speaker has excellent bandwidth in an esthetically very unobtrusive installation profile. Its compact design fits in tight areas. Its 4-inch woofer and waveguide coupled, titanium-coated dome tweeter give smooth, wide frequency response. The enclosure is ported and tuned to provide surprising bass response in such a compact package. Features an easy 3-point mounting system for quick installations.

100mm Polypropylene Woofer  
20mm Titanium Mylar Tweeter  
70V: 1.88/3.75/7.5/15/30W  
100V: 3.75/7.5/15/30W  
Bypass: 8Ω (Front switch)  
65Hz-20KHz -10dB 130°  
UL1480, UL2043, UL94V-0

SPL	86dB @ 1W
Freq.	65Hz-20kHz
Code	LC2-PC30G6-4



Sold in pairs



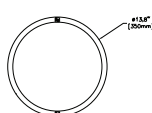
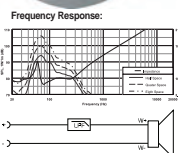
### PREMIUM SOUND 10" SUB-WOOFER 60W BOSCH

#### 45Hz to 180Hz CEILING MOUNT

The Bosch 10-inch subwoofer in a tuned high performance enclosure to give amazing low frequency performance down to 45Hz! It is one of the few quick-mount ceiling TRUE subwoofers available. Flexible installation and powerful low-end performance make it the ideal mate to any ceiling model.

- 10" High-Excursion sub
- Low Pass Network with Overload Protection
- Integrated low loss matching transformer allows for either 70V/100V or 8-ohm
- Tile bridge & mounting ring for easy installation

Watt	100W
Taps	8Ω/7.5/15/30/60W
Size	303x350mmØ
SPL	94dB @ 1W
dBi	112dB
Freq.	45Hz-150Hz
Code	LC2-PC60G6-10



Sold in singles

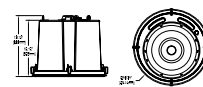
### PREMIUM SOUND 12" CEILING 64W BOSCH

- Full-range power, ample HiFi sound for high ceilings in large spaces
- High 100 dB sensitivity and high 100Wrms power-handling 12"
- Front-panel mode/wattage selector. White gloss perforated grille
- Safe, easy installation with included tile bridge and mounting ring
- Integrated transformer with automatic saturation compensation for distortion free 70 V, 100 V, or 8 Ω use
- Heavy-gauge steel enclosure
- Pendant Mount Rigging Points for use in Open Ceiling Installations
- Tile Bridge and Mounting Ring for Easy Installation into Tile Ceilings

SPL	100dB @ 1W
Freq.	65Hz-20kHz
Code	LC2-PC60G6-12



Sold in singles



### PREMIUM SOUND 8" CEILING 30W BOSCH

#### 8" TWO-WAY HI-FI PAIR

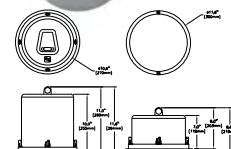
Tuned enclosure 8-inch woofer to provide amazing bass response. The 1-inch waveguide-coupled tweeter give smooth controlled coverage out to 20 kHz. Perfect for installations where a flush-mount design is desired but demand for high-quality audio exists. Features a 4-point mounting system to make installations fast and easy. A low-profile version is also available, ideal for tight ceiling spaces.

200mm Polypropylene Woofer  
25mm Titanium Mylar Tweeter  
70V: 1.88/3.75/7.5/15/30W  
100V: 3.75/7.5/15/30W  
Bypass: 8Ω (Front switch)  
50Hz-20KHz -10dB 110°  
UL1480, UL2043, UL94V-0

Sold in pairs



SPL	91dB @ 1W
Freq.	50Hz-20kHz 50Hz-20kHz
Code	LC2-PC30G6-8 LC2-PC30G6-8L



### PREMIUM SOUND 8" HIGH CEILING 60W BOSCH

#### 8" TWO-WAY FOR HIGH CEILINGS

The 8" Bosch high ceiling speaker is ideal for high ceilings and reverberant "problem" rooms. Its exclusive ported, waveguide-coupled, 8" driver provides excellent intelligibility and definition. The speaker's patent-pending design provides great coverage control throughout the voice range and above. No other ceiling speaker system can provide the combination of excellent pattern control, wide bandwidth, high power handling, and compact design.

200mm Polypropylene Woofer  
25mm Titanium Mylar Tweeter  
70V: 7.5/15/30/60W  
100V: 7.5/15/30/60W  
Bypass: 8Ω (Front switch)  
50Hz-20KHz -10dB 70°  
UL1480, UL2043, UL94V-0

Watt	75W
Taps	8Ω/7.5/15/30/60W
Size	303x350mmØ
SPL	93dB @ 1W
dBi	111dB
Freq.	50Hz-20kHz
Code	LC2-PC60G6-8H



Sold in pairs





□ Electro-Voice

**Electro-Voice**



## EVID SURFACE MOUNT SPEAKERS

EVID is not just another speaker. From the unique aesthetic design to the innovative acoustic integrity, EVID delivers value, performance and ease-of-use to the contractor and end listener alike. EVID is something attractive and superior sounding in a world of plain black boxes. EV have achieved a comprehensive background/foreground speaker line with the characteristics installers need and the features users want.

- 1" titanium diaphragm HF driver with neodymium magnetic structure
- Coherent Coverage Waveguide
- Full-bandwidth overload protection (LF and HF)
- Elliptical weather-resistant ABS enclosure
- Oval shaped. Metal grilled. Modern styling.
- Paintable black or white finish
- Strong-Arm Mount™ for easy, flexible aiming
- "T" version for 70 or 100 V distributed systems
- Screw terminal inputs. Daisy-chain option
- Premium build quality and excellence in sound

# EVID™

**EV Innovative Design**

### EVID 3.2

Woofer	3½"
Power	75Wrms (300Wmax)
Size	135x130x165mm (1.5Kg)
Freq.	85-20KHz
SPL	87dB
dBi	104dB
Taps	8 Ohm 8Ω/70V/100V
Colour	Black White Black White
Code	EVID3.2 EVID3.2W EVID3.2T EVID3.2TW

Includes wall stand. Sold in pairs.  
Coverage -6dB Horz. 140° Vert. 100°  
Screw terminal back panel.  
0.75" Titanium tweeter  
Taps\* 70V:5W, 100V:10W

Sold in pairs



### EVID 4.2

Includes wall stand. Sold in pairs.  
Coverage -6dB Horz. 120° Vert. 80°  
Screw terminal back panel.  
1" Titanium tweeter Coax mounted  
8 Ohm input with optional: Taps\* 70V:7W, 100V:15W

Woofer	4"
Size	310x175x216mm (4Kg)
Freq.	65-20KHz
Power	100Wrms(400Wmax)
SPL	89dB
dBi	115dB
Taps	8 Ohm 8Ω/70V/100V
Colour	Black White Black White
Code	EVID4.2 EVID4.2W EVID4.2T EVID4.2TW

Sold in pairs



### EVID 6.2

Includes wall stand. Sold in pairs.  
Coverage -6dB Horz. 100° Vert. 80°  
Screw terminal back panel.  
1" Titanium tweeter Coaxial Mounted  
8 Ohm input with optional: Taps\* 70V, 100V:15/30/60W

Woofer	6"
Size	420x230x300mm (5.3Kg)
Freq.	62-20KHz
Power	150Wrms(600Wmax)
SPL	94dB
dBi	122dB
Taps	8 Ohm 8Ω/70V/100V
Colour	Black White Black White
Code	EVID6.2 EVID6.2W EVID6.2T EVID6.2TW

Sold in pairs



## EVID ACCESSORIES

Optional extras available: See overleaf...

Description	Code
Horizontal Mount Desk Stand	HS-3
Mic Stand Adaptor Mount Kit	MA-3
Weatherised Terminal Cover	TC-4B
Weatherised Terminal Cover	TC-4W
Weatherised Terminal Cover	TC-6B
Weatherised Terminal Cover	TC-6W



**Electro-Voice**

<http://data.wescomponents.com/Speakers/EV/>  
<http://data.wescomponents.com/Speakers/EV/EVID.pdf>





# Audio Speakers & PA

□ Electro-Voice

**Electro-Voice**

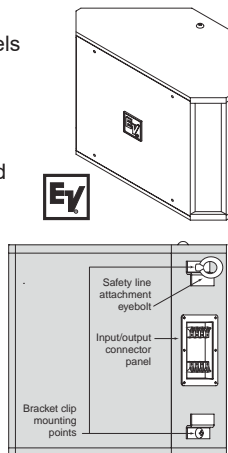


## EVID 12.1

### 12" SUBWOOFER ADD-ON

- Supplemental 12" bass system for indoor speakers
- Satellite system type - No additional amp required
- High-excursion woofer with dual voice coil for L/R channels
- High sensitivity, high power-handling as with other EVID
- Crossed-over pass-thru for up to four satellite speakers
- Trapezoidal shape for corner enhanced horn efficiency
- Eyebolts for optional ceiling hang mounting by rigging
- Steel-reinforced cabinet with mounting hardware included
- Paintable black or white finish decor attractive

Woofer	12"
Power	175Wrms(700Wmax)
Size	412x594x305mm (18Kg)
Freq.	40-140Hz
SPL	100dB
dBi	128dB
Taps	8 Ohm x2
Colour	Black White
Code	EVID12.1 EVID12.1W



## EVID FM SERIES

### 2-WAY FLUSH MOUNT LOUDSPEAKER

- Shallow profile, ideal for tight wall or ceiling spaces
- Tuned passive radiator extends bass, enhances performance
- High quality 1-inch titanium dome tweeter
- Full-bandwidth overload protection
- 70 V, 100 V, and 8 ohms operation
- Front-panel mode/wattage switch
- Fully-sealed enclosure provides superior isolation to protect adjacent rooms
- Secure Phoenix-style pass-through connectors for easy wiring and installation.
- Four point "quick mounting" tabs for fast attachment in any wall cavity
- Can-mounted transformer for enhanced rigidity
- Ribbed back can eliminates flexing

Woofer	4" + 4" PR	6" + 6" PR
Power	50Wrms(200Wmax)	75Wrms(300Wmax)
Size	350x200x95mm (3Kg)	465x256x100mm (6Kg)
Freq.	52-20,000KHz	52-20,000Hz
SPL	97dB	90dB
dBi	110dB	115dB
Taps	8Ω/1.75/3.75/7.5/15/30	8Ω/7.5/15/30/60
Colour	White	White
Code	FM4.2	FM6.2

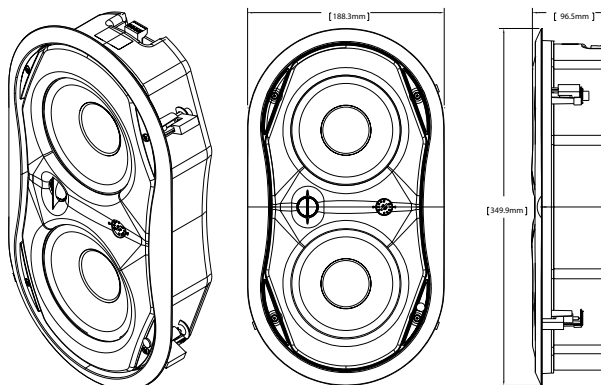
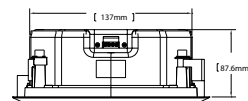


## EVID BACK COVERS

### WEATHER PROOF PLATE

Rugged terminal cover with cable grommet.  
Protects rear of EVID from the elements.

Suits	EVID4.2B	EVID4.2W	EVID6.2B	EVID6.2W
Colour	Black	White	Black	White
Code	TC-4B	TC-4W	TC-6B	TC-6W







## □ EV Wireless Mic R300

**Electro-Voice**



### R300 WIRELESS MICROPHONE SYSTEM

Designed for the entry-level professional, the Electro-Voice R300 makes the benefits of professional wireless microphone performance accessible to a new category of users. With features like one-touch ClearScan and EZsync transmitter update, the R300 offers professional-class capabilities but is as easy to setup and use as any entry-level wireless microphone system.

- ClearScan™ – find the clearest channel available with the touch of one button
- EZsync™ – infrared channel transfer from receiver to transmitter for easy and error-free setup
- PL22 cardioid dynamic microphone element for crisp, clear vocals in any application
- Rugged metal transmitters with backlit LCD display and battery gauge
- Bodypack with TA4 connector – Compatible with lapel and head-worn microphones
- 14-hour battery life from two AA alkaline batteries
- 32 preset channels, with compatible groups of 8 channels for simultaneous use
- Detachable half-wave TNC antennas enable use with APD4+ antenna distribution system
- Metal receiver chassis with optional rack-mount ears and front-mount antenna cables



### R300 HANDHELD SYSTEM

#### MIC & RECEIVER KIT

The HT-300 metal handheld transmitter is made to withstand the rigors of daily use but still be comfortable in your hand. The PL22 dynamic microphone is the perfect all-around microphone for speaking engagements, singing and emcees. The cardioid pickup pattern rejects noises from the surroundings, helps control audio feedback, and still allows an experienced vocalist to work the microphone.

- ClearScan automatically finds the clearest channel
- EZsync one-step channel setup
- PL22 cardioid dynamic microphone element
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter
- Metal receiver chassis

Code

R300-HD-B



### R300 LAPEL SYSTEM

#### MIC & RECEIVER KIT

The R300-L system includes the metal BP-300 bodypack transmitter, which uses two AA batteries. With ClearScan and EZsync, the R300-L is the easiest wireless system you will ever use for presentations and worship services. The directional ULM18 helps to reject noise from the surroundings and control audio feedback.

- ClearScan automatically finds the clearest channel
- EZsync one-step channel setup
- ULM18 directional lapel microphone
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter
- Metal receiver chassis

Code

R300-L-B



### R300 HEADSET SYSTEM

#### MIC & RECEIVER KIT

The R300-E system includes the metal BP-300 body pack transmitter, which uses two AA batteries. The HM3 microphone is comfortable for extensive daily use, including long presentations. Using a headwork microphone helps to control audio feedback and provides consistent audio while the speaker moves naturally around the stage.

- ClearScan automatically finds the clearest channel
- EZsync one-step channel setup
- HM3 omni-directional microphone
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter

Code

R300-E-B



### R300 ACCESSORIES

Replacement microphones.

#### HANDHELD MIC

Code

HT-300-B

#### LAPEL MIC

Code

ULM18

#### HEADSET MIC

Code

HM3

#### BODY PACK

Belt pack transmitter (only).

Code

BP-300-B

#### BODY PACK SYSTEM

Kit includes the receiver unit and a belt body transmitter unit (TA4). No microphone.

Code

R300-BP-B

#### RECEIVER

Base station only.

Code

R300-RX-B







# Audio Speakers & PA

## Microphones

## Microphones, Cables and Accessories

### MICROPHONE STANDS

#### EXTENDABLE - TRANSPORTABLE

Collapses down for easy transportation.  
1M high. Sturdy three legged stand.  
Terminates in standard 5/8" Requires  
mic holder to suit.

#### SINGLE MAST

Extends 96 to 154cm

Code  
MS154

#### BOOM STAND

The Above mast plus  
Boom extends 70cm.

Code  
MS270



### MIC DESK STAND

Tripod stand & hot-shoe  
Quality ABS Plastic  
Folds for portable Height  
adjustable Includes mic  
holder Suits full-sized mic

Code  
YH26A



### MICROPHONE HOLDERS

Suits assorted hand-held microphones.

#### 22mmØ / 5/8"

Diam.	Thread	Code
22 to 30mmØ	5/8"	YH8



#### 22mmØ / 5/8" & 1/2"

Diam.	Thread	Code
22mmØ Plus+	5/8" & 1/2"	MH22



#### 30mmØ / 5/8" & 1/2"

Diam.	Thread	Code
30mmØ Plus+	5/8" & 1/2"	MH30



#### JAW TYPE / 5/8"

Diam.	Thread	Code
Jaw Type	5/8"	MH50



#### 18mmØ / 5/8" & 1/2" JTS

Diam.	Thread	Code
18mmØ	5/8" & 1/2"	MH16

MH16

#### 25mmØ / 5/8" & 1/2" JTS

Diam.	Thread	Code
25mmØ	5/8" & 1/2"	MH36

MH36

#### 25mmØ / 5/8" & 1/2" JTS

Diam.	Thread	Code
25mmØ	5/8" & 1/2"	MH56

MH56



### MICROPHONE LEADS DAICHI

#### 1/4" PLUG TO XLR-F

Length	Code
5M	ML10

#### XLR-M TO XLR-F

Length	Code
5M	ML12



### MICROPHONE LEADS AMPHENOL

#### XLR-F TO XLR-M

Nickel Barrel Amphenol Leads

Length	Code
1M	PR0110A001
3M	PR0110A003
6M	PR0110A006
9M	PR0110A009
12M	PR0110A012
15M	PR0110A015
20M	PR0110A020
30M	PR0110A030

Amphenol



#### XLR-F TO 6.35mm STEREO

Nickel Barrel Amphenol Leads

1M	PR0124A001
3M	PR0124A003
6M	PR0124A006
9M	PR0124A009

Amphenol



#### XLR-F TO 6.35mm MONO

Nickel Barrel Amphenol Leads

1M	PR0120A001
3M	PR0120A003
6M	PR0120A006
9M	PR0120A009
12M	PR0120A012

Amphenol



#### 6.35mm TO 6.35mm MONO

Nickel Barrel / Gold plated Leads

1M	GD3030B001
3M	GD3030B003
6M	GD3030B006
9M	GD3030B009

Amphenol



#### 6.35mm TO 6.35mm RIGHT/ANGLE

Nickel Barrel / Gold Plated Leads

1M	GD3034B001
3M	GD3034B003
6M	GD3034B006
9M	GD3034B009

Amphenol



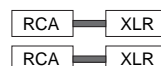
### AERPRO XLR LEADS

Plug A	XLR Male	XLR Male
Plug B	XLR Male	XLR Female
Length	5M	8M
Code	ALX6MM	ALX8MF



### AERPRO PA RCA CONNECTOR

Length	3M
Plug A	XLR Male
Plug B	RCA Male
QTY	2
Code	ALXCA3







## STEREO LAPEL MIC

35mm X 8mmØ Stereo 3.5mm plug Suit personal audio recorders, MD, etc. With tie clasp. Condenser.

Code  
UDM50S



## CONDENSER MONO MICROPHONE

External condenser type. Removable visor clip. 3.6M

Plug	Code
3.5mm	HFM12
2.5mm	HFM25



## CONDENSER MONO MICROPHONE

Condenser type. High sensitivity. Cord length 3.6M

Plug	Code
2.5mm	HFM70
3.5mm	HFM66



## JTS LAPEL MICROPHONE

Uni-direction for high-quality voice pickup Wide dynamic range and frequency response Excellent for sound reinforcement Very small size for minimum visibility Clothing clip for easy attaching 4P Mini XLR Plug.

Colour	Code
Black	CM201B
Tan	CM201T

4 PIN MINI-XLR



## INDUCTION PICKUP

Pickup induction coil type (Not a microphone as such). Place on a standard telephone earpiece and it records to any standard mic input. 1M cable. 3.5mm plug.

Code  
TIC1



## CONDENSER MICROPHONE INSERT

Suit desk mic, cassette recorders, mobile & cordless phones, etc. 7x10mmØ UNBALANCED (2 pin)

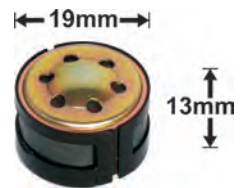
Code  
CM2



## DYNAMIC MICROPHONE INSERT

Suit intercom applications. eg. motor helmets, etc. Uni-directional with noise cancelling type design. Quality made in Japan. 400Ω. -62dB. 300Hz to 3500Hz.

Code  
DM190



## DYNAMIC MIC INSERT - Yoga®

50Hz to 16KHz

DM1002 Uni. Professional Vocal. 500Ω Sens' -75dB (±3dB) Size A30 B16 C23 D23mm

Code  
DM13

80Hz to 12KHz

Vocal or instrument. 600Ω Sens' -76dB (±3dB) Size A28 B22 C18 D22mm

Code  
DM8



## MICROPHONE WIND SOCKS

50mm I/D & 65mm O/D (L 75mm)

Colour	Code
Black	MS1BK
Blue	MS1BU
Red	MS1RD
Yellow	MS1YL

25mm I/D & 30mm (L 36mm)

Black HEP-SR10

10mm I/D & 20mm O/D (L 50mm)

Black MS2BK



## 6.35mm

1/4" PLUG TO PLUG

Description	Length	Code
6.35mm Mono Plug To Plug.	8M	AL717
8.0 Metres Shielded Cable		
6.35mm M-M Curly Cord.	8M	AL716
8.0M when extended.		
6.35mm M-M 4mm Cable w/ Metal Plugs	6M	AL718
6.0M		







# Audio Speakers & PA

## Microphones

### YOGA PERFORMANCE PROFESSIONAL MIC

#### VOCALIST STAGE PICKUP

Balanced Super-Cardioid. Low noise, high output for excellent punch. Exceptional gain with minimal feedback. Ideal for reproducing voice.

Freq.	60Hz-17KHz
Sens.	-74±3dB(1KHz)
Impedance	250Ω
Cord	1.8M TO 6.35mm Plug
Code	DM1002A

**yoga**

PREMIUM  
VOCALIST  
MICROPHONE



### YOGA SHOTGUN MICROPHONE

#### ELECTRET CONDENSER SUPER CARDIOID

Electret condenser microphone with hyper cardioid pattern, 1.5V battery (not included) or phantom power, ideal for video, speech and choral recording or sound reinforcement. Aluminium construction, XLR output, frequency response: 60Hz-18kHz. Includes 6m cable XLR Lead, wind shield, holder and hard box. Dimensions: 22 x 320mm. Weight: 130g

Code  
EM9600



### YOGA PERFORMANCE DYNAMIC MICROPHONE

Dynamic Cardioid  
Black zinc diecast  
Black mesh screen  
On/Off switch.  
1.5M Unbalanced ¼" lead.

Freq.	60Hz-15KHz
Sens.	-76±3dB(1KHz)
Impedance	600Ω
Size	52Øx163mm
Cord	5M / 6.35mm Plug
Code	DM250

**yoga**



### YOGA PREMIUM DYNAMIC MICROPHONE

Balanced Uni-Directional Cardioid.  
Excellent for reproducing voice. Tough  
Zinc-diecast construction with steel head.  
Boxed with lead. I/O switch. 3 pin Cannon  
style socket to 6.35mm plug lead.

Freq.	40Hz-17KHz
Sens.	-76±3dB(1KHz)
Impedance	500Ω
Cord	5M / 6.35mm Plug
Code	DM1200

**yoga**



### YOGA DUAL IMPEDANCE DYNAMIC MICROPHONE

Uni-Directional with switchable  
impedance for Home HiFi,  
Karaoke to PA, etc. High quality  
voice insert. Tough plastic casing  
with steel head and removable  
4pin (NC514) to 6.35mm lead.  
Economical with quality sound.

SW	600Ω / OFF / 50KΩ
Freq.	60Hz-15KHz
Sens.	-76±3dB(600Ω), -60±3dB(50KΩ)
Size	52Øx163mm
Cord	3M / 6.35mm Plug
Code	DM615

Includes  
Unbalanced  
Lead

**yoga**







## □ Microphones

### DYNAMIC MICROPHONES FULL-SIZE

Uni-Directional. Fitted with 3M cord, 6.35mm phono plug and ON-OFF switch. Packaged. Plastic barrel and guard. 100Hz-10KHz -76dB 600Ω

Code  
DM515BK



### CASSETTE MICROPHONES MINIATURE

Omni-Directional microphone with stand. Suitable for tape recorders, etc. 1M Cord. Dynamic type pickup. With mute switch.

Plug Code  
3.5mm UM10



## □ Instrument

### KICK DRUM MICROPHONE YOGA

Premium dynamic microphone for extremely high sound pressure levels at close range. Super-Cardioid directional response. Metal barrel with Super-suspension. Warm low F for excellent kick drum pickup with excellent transient response & exceptional detail. 3 pin balanced socket. NO Lead supplied.

Freq. 40Hz-15KHz  
Sens. -86±3dB(100Ω)

Code  
FX568



### GUITAR PICK-UP

#### ACOUSTIC

Clips onto the open sound hole to allow amplification, etc. 6.35mm with volume

Code  
GPE80



## □ Wireless

### FM WIRELESS DYNAMIC MICROPHONE YOGA

#### HARD-WIRED OR FM RADIO

Uni-directional mic with adjustable 89-93MHz FM modulation. Requires an FM Receiver. Wireless antenna or direct connect by cable for normal "wired" usage (6.35mm). On/Wired/Off switch.

Freq. 80Hz-12KHz  
Size 510x220mm  
Code WM430

Yoga

Pick Up On  
Any FM Radio  
Receiver!

Includes  
Protective  
Case

Wireless or  
Includes  
Unbalanced  
Lead Option



### UHF WIRELESS MICROPHONE KIT SONKEN

#### EZY-MIC 660-690MHZ

- Frequency is now UHF 660-690 MHz
- PLL tuning system with 16 Channels
- Handheld microphone is rechargeable or
- Use a 1.5V AA battery for instant power
- Noise interference free up to 30 metres
- Standard size hand-held microphone
- Compact receiver with volume control
- The 1.5V AA battery powered receiver directly connects to any 6.36mm PA system

Code  
WM1016R



For further information on your region with regards to microphone frequency, see the ACMA web site. [www.acma.gov.au](http://www.acma.gov.au)







# Audio Speakers & PA

## Microphones, Cables and Accessories

### DESK MIC FOR PC 3.5mm

Multimedia desk mic.  
Stereo 3.5mm plug.  
Condenser mic. Suit  
PCs & recorders, etc.  
With desk stand and  
adjustable 25cm neck.

Type	Code
3.5mm	MO3

Also available:  
USB version.

Type	Code
USB	MO4



### DESK MICROPHONE XLR

#### ANNOUNCEMENT

Professional Dynamic Microphone Premium Uni-Directional insert Metal windshield microphone head Metal adjustable goose-neck 190mm 110x160mm Weighted base for stability Toggle switch On / Off / Momentary 1.5 metre long connection lead Terminates to 3 pin XLR plug  
Pin 1 Ground  
Pin 2 Mic  
Pin 3 Switched  
-72dB 80-12Khz  
600 ohm Dynamic

Code
DM1

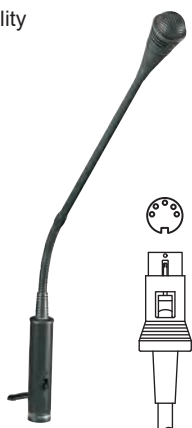


### UNIVERSAL GOOSENECK MIC

The gooseneck microphone is a stylish high quality unidirectional condenser microphone, mainly intended for public address applications.

- Unidirectional condenser microphone
- Flexible stem
- Phantom powered by amplifier
- On/off sliding switch with priority contact
- Supplied with fixed 2 m (78 in) cable and lockable DIN connector

Code
LBB1949/00



### UNIVERSAL TABLE TOP MIC - XLR & DIN

- Stylish tabletop unidirectional condenser microphone on a flexible stem
- Phantom powered by amplifier
- Momentary or toggle PTT-key for calls with priority contact
- Green LED, indicating microphone active
- Stable metal base design with fixed 2 m cable
- Lockable DIN connector
- XLR Adaptor

Code
LBB1950/10



INCLUDES  
DIN OR  
XLR



### JTS GOOSENECK MICROPHONES

#### CONDENSER TYPE - THREE SIZES

Requires Phantom Power and base solution. Vertical direct XLR Male Terminated. Premium quality all metal construction. Voice optimised. High local sensitivity. 80Hz to 18KHz -58dB Super-Cardioid. Length given is total, tip to tip.

Length	Code
300mm	GM5206
450mm	GM5212
600mm	GM5218



**SOLD SEPARATELY**  
Purchase the Base then the Goose Neck  
6" 12" 18"



### JTS DESK MIC STAND

#### BASE ONLY - WITH POWER OPTIONS

Heavy stable base solution for desk mic. Universal stand with XLR Sockets In/Out Low-Noise Magnetic reed Talk switch Large 140x155mm 1.2Kg Die-Cast quality Hidden switch for phantom power options Internal battery / External / None Suit condenser or dynamic microphones

Code
ST5030



### 7\*XLR MICROPHONE MOUNT BASE

The elegant modern design of this base makes it ideal for use in conference rooms, board rooms, podiums, pulpits, etc. The rubber suspension of the XLR socket minimises shock or mechanical noise being transmitted to the microphone.

Dia.	~100mm
Height	20mm
Code	PA482







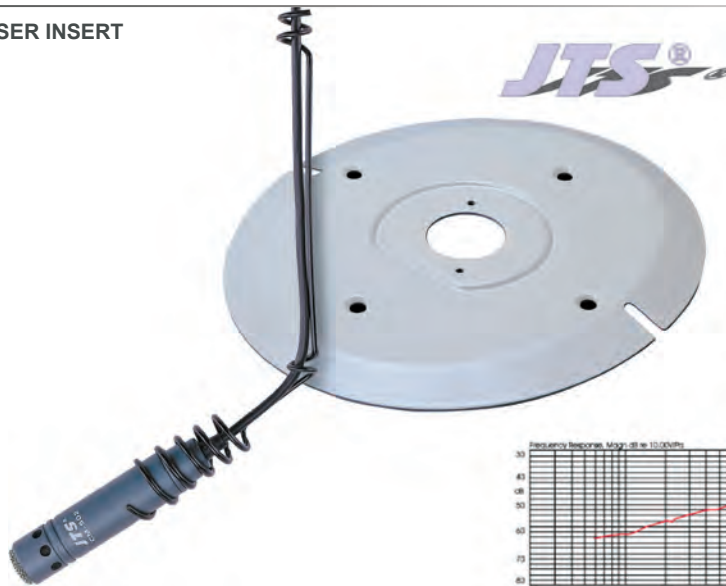
## □ JTS Professional

### JTS CHOIR MICROPHONE

#### PHANTOM POWER ELECTRET CONDENSER INSERT

Versatile drop mic for sound stage pick-up  
Exceptional quality with high dynamic range  
Accurate detail and wide frequency response  
High sensitivity. Excellent directional pattern  
Easy install stand with adjustable neck holder  
Premium grade for permanent installations  
100Hz to 18KHz  
-48dB 220Ω Super-Cardioid XLR

Code  
CM5020



**CEILING MOUNT**



**PICK-UP**  
(Holder Not Inc.)

## □ Headset

### HEADSET MICROPHONE YOGA

Premium grade professional microphone for stage work or other hands free apps'. Excellent replacement mic for wireless mobile type transmitters (Not inc.). Omni-directional Condenser Electret Microphone (Phantom powered) or Uni-directional Dynamic Microphone. Metal gooseneck and metal headband. 3.5mm/6.5mm mono plug.

Freq.	100Hz-15KHz	100Hz-16KHz
Sens.	-72dB	-62dB
Type	Dynamic	Condenser
Lead	4.0M	0.5M
Code	DM193	EM193

**yoga**



### JTS HEADSET MICROPHONE

#### 4 PIN MINI-XLR

Uni-direction for high-quality voice pickup  
Wide dynamic range and frequency response  
Excellent for sound stage and mobile use  
Lightweight, ergonomical and comfortable.  
Excellent gain before feedback and low noise.  
Mini-XLR 4 pin plug.

Code  
CX504



## □ Microphones Test and Measurement

### DAYTON AUDIO CELEBRATED MICROPHONES

TEST AND MEASUREMENT MICROPHONES  
SEE THE LAST PAGES OF THIS SECTION...







# Audio Speakers & PA

## □ JTS Professional Wireless

### JTS PROFESSIONAL CABLE & WIRELESS MICROPHONES

JTS is a leading designer and manufacturer of professional microphones for vocals, musical instruments and other sound reinforcement applications. With a proficient range of cable and wireless microphone solutions, JTS is the emerging leader in quality microphones for studio & stage. The success of JTS is based on a user-oriented design policy. Development is benefitted by their new highly sophisticated studio. With JTS, you'll find affordable, well built mics for every application.

#### US902D DUAL CHANNEL DUAL DIVERSITY UHF RECEIVER

Current model suits 638MHz to 662MHz (F3) frequency microphones. Digital control with RF & AF level meters, etc. Preset 16 selectable UHF channels. PLL synthesized multi-channels. Dual-Diversity technology for minimum dropouts in the RF link. Noise mute and pilot tone squelch circuit eliminates unwanted interference. Lock-On function (switch) is provided. LCD display. 1U Rack metal housing. Equipped with XLR balanced and 1/4" unbalanced outputs. 105dB dynamic range! Dual tuned antennas extend the effective range of the wireless link. Complete professional solution for reliable confident sound reinforcement. The receiver & microphones, etc. are purchased as a complete kit. Additional microphones & accessories are available separately as required.

#### DUAL UHF WIRELESS SYSTEM - RECEIVER & TWO MICROPHONES

Description	Code
US902D with 2x MH920 Handheld Mics.	JTS902D-MH920
US902D with 2x PT920B/CM204U Headset Mics.	JTS902D-CM204U
US902D with 2x PT920B/CM201B Lapel Mics.	JTS902D-CM201B
US902D with MH920 Hand & PT920B/MH204U Headset Mic.	JTS902D-MH204U
US902D with MH920 Hand & PT920B/MH201B Lapel Mic.	JTS902D-MH201B

#### HAND-HELD MICROPHONE TRANSMITTER

Advanced PLL circuit ensures stable signal transmission. LCD Tuning. Extended dynamic range and smooth frequency response premium pick-up. Advanced circuit and tone-key squelch permit interference-free low noise. Internal antenna design benefits unique styling. Metal barrel & grille. Runs on common "AA" batteries (Not Inc.) rechargeable cell compatible. 16 switchable channels for multiple units or avoiding interference. Professional grade wireless solution for excellent performance & sound.

Code  
MH920F3

#### BODY-PACK TRANSMITTER

PLL synthesized oscillator type with LCD Display. Preset 16 selectable channels, push button. Advanced circuitry ensures stable transmission. Powered by AA batteries. Requires microphone. Equipped with 4P Mini XLR connector that is compatible with lavalier or headset microphones. Carry case for protection and attachment to belt.

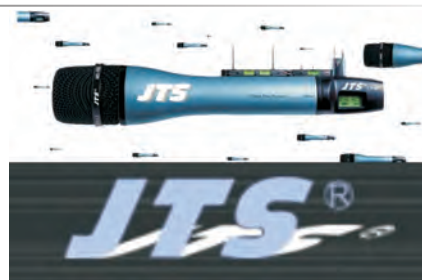
Code  
PT920BF3

#### LAPEL MICROPHONE

##### SUIT PT920B BODY-PACKS

Uni-direction for high-quality voice pickup  
Wide dynamic range and frequency response  
Excellent for sound reinforcement Very small size for minimum visibility Clothing clip for easy attaching 4P Mini XLR Plug.

Description	Code
Lapel Microphone - Black	CM201B
Lapel Microphone - Tan	CM201T







## SINGLE CHANNEL UHF PLL DIVERSITY WIRELESS MICROPHONE SYSTEM

Preset 16x switch selectable UHF channels. Requires One Receiver unit for one microphone transmitter. Diversity technology for minimum dropouts & clearest sound. PLL synthesized technology for multi-channel stability. Noise mute and pilot tone squelch circuit. Current model suits 638-662MHz. Equipped with both XLR balanced and 1/4" unbalanced outputs. 1/2U rack housing for use with Optional DR900 Rack assembly. Optional P61 Sturdy Carry Case for looking after your system. Optional Mic stand holders MH56 for stage work.



## SINGLE UHF WIRELESS SYSTEM - RECEIVER & LAPEL MIC.

US8001D Single UHF PLL Diversity Receiver  
PT850B Belt Pack Transmitter Unit  
CM501 Lapel Microphone to suit PT850B

### Code

JTS8001D-CM501



## SINGLE UHF WIRELESS SYSTEM - RECEIVER & HEADSET MIC.

US8001D Single UHF PLL Diversity Receiver F3  
PT850B Belt Pack Transmitter Unit  
CX504 Headset Microphone to suit PT850B

### Code

JTS8001D-CX504



## SINGLE UHF WIRELESS SYSTEM - RECEIVER & HAND HELD MIC.

US8001D Single UHF PLL Diversity Receiver F3  
MH750 Hand Held Microphone

### Code

JTS8001D-MH750



## HAND-HELD MICROPHONE TRANSMITTER

Advanced PLL circuit ensures stable signal transmission. Preset selectable 16 channel radio frequency UHF. Tone-key squelch circuit minimises interference. Internal antenna design benefits unique styling. Durable plastic housing that's attractive and light weight. Single AA Battery operation. LED indicator with Low Battery and power I/O.

### Code

MH750F3



## BODY-PACK TRANSMITTER

PLL synthesized oscillator type. Preset 16 selectable channels. Advanced circuitry. Stable transmission. Powered by AA batteries. LED Display. Equipped with 4P Mini XLR connector. Compatible for lavalier or headset mic. Carry case for tight attaching to belt.

### Code

PT850BF3



## HEADSET MICROPHONE

### SUIT PT850B & PT920B BODY-PACKS

Uni-direction for high-quality voice pickup  
Wide dynamic range and frequency response  
Excellent for sound stage and mobile use  
Lightweight, ergonomical and comfortable.  
Excellent gain before feedback and low noise. Mini-XLR 4 pin plug.



### Code

CX504



## US8001 RACK 1U MOUNTING KIT

Professionally combines two half units into 1U rack space

### Code

DR900

SUITS 2X US8001 UNITS







# Audio Speakers & PA

## □ Wireless

### TWO CHANNEL WIRELESS MICROPHONE SYSTEM - SONKEN

#### DUAL UHF RECEIVER & 2X MIC

Fixed frequency band system using two frequency channels Supplied with two hand-held wireless dynamic microphones 555.8MHz & 523.8MHz Quartz locked FM Modulation channels Metal head, full sized, premium dynamic microphone insert Operates on 9V batteries (Required) for long operation barrel has Power-On LED with Battery-Low indication LED Power switch and separate mute switch on microphone Base station has external antennae for each channel with signal locked indication for no-fuss easy to use Cabinet case is constructed from extruded aluminium Outputs to 6.35mm Unbalanced Jacks gold-plated Electronics optimised for best low-noise performance Individual volume control for each channel. This technology offers excellent value for money and will be quite suitable for a majority of small scale public address situations with a claimed roaming distance of up to 50 metres. 10dBuV SINAD=30dB 40Hz-15KHz 90dB 0.5%THD Requires 2x 9V Batteries

Code  
WM500R

Channel	Freq.
CH-A	555.8MHz
CH-B	523.8MHz



### DUAL 16 CHANNEL WIRELESS MICROPHONE SYSTEM DELUXE - SONKEN

#### DUAL UHF RECEIVER & 2X MIC [ 660MHz-690MHz ]

New 32 frequency (2x16CH) system. Kit includes a pair of microphones that are light, have attractive comfort grip, and use 2x "AA" batteries. Supplied in a plastic protective case for safe and secure transporting. Balanced microphone output & improved high frequency transmission circuit. XLR and 1/4" Phono plug connections for balanced or non-balanced systems. Audio & RF Reception indicators. Individual level & squelch controls. Advanced anti-interference system with multi-level narrow band filter to prevent UF & IF noise. Quartz crystal locked. High cross-talk rejection. Squelch auto mute and mic/receiver audio companders for great sound with no noise and reduced feed-back or echo. Premium grade dynamic pickup. 32CH 660-690MHz Frequency spectrum is switchable between microphone CH-A and CH-B.

Range Inside: 50M, Outside: 100M

Receiver S/N: 90dB

Border Upon Channel Rejection: 80dB

Receiving Sensitivity: 10dBuV (SINAD=30dB)

Modulation: FM, F3F

90dB THD <0.5% 40Hz-15KHz 3dB

XLR Sockets x2 (A & B Channel)

6.35mm x3 (A & B Channel, A+B Combined)

Code  
WM2000R

Channel
CH-A (16 Selectable)
CH-B (16 Selectable)



### SELECT BODY-PACK UNITS OR HAND-HELD MICROPHONES TO SUIT - SONKEN

#### REPLACEMENT & UPGRADE MICROPHONES TO SUIT SONKEN WM RANGE OF RECEIVERS

Upgrade options for hands free operation including a compact Body-Pack transmitter with option of either a comfortable hands-free headset with boom mic or a Lapel mic with tie clasp. Body pack clips onto the users belt or can be directly attached onto instruments. Mono 3.5mm electret microphone input. Soft 2" Rubber-Ducky antenna. Select what receiver you have and what microphone style you prefer:

#### WM500R CH-A 555.8MHz

Type	Code
HEADSET	HS500CHA
LAPEL	LP500CHA
HAND MIC	MIC500CHA

#### WM2000R CH-A [x16]

Type	Code
HEADSET	HS2000CHA
LAPEL	LP2000CHA
HAND MIC	MIC2000CHA

#### WM500R CH-B 523.8MHz

Type	Code
HEADSET	HS500CHB
LAPEL	LP500CHB
HAND MIC	MIC500CH-B

#### WM2000R CH-B [x16]

Type	Code
HEADSET	HS2000CHB
LAPEL	LP2000CHB
HAND MIC	MIC2000CH-B



HAND MIC

LAPEL KIT

HEADSET KIT

INCLUDES  
MICROPHONE  
&  
TRANSMITTER

REQUIRES  
RECEIVER  
(See Above)





## R300 WIRELESS MICROPHONE SYSTEM

Designed for the entry-level professional, the Electro-Voice R300 makes the benefits of professional wireless microphone performance accessible to a new category of users. With features like one-touch ClearScan and EZsync transmitter update, the R300 offers professional-class capabilities but is as easy to setup and use as any entry-level wireless microphone system.

- ClearScan™ – find the clearest channel available with the touch of one button
- EZsync™ – infrared channel transfer from receiver to transmitter for easy and error-free setup
- PL22 cardioid dynamic microphone element for crisp, clear vocals in any application
- Rugged metal transmitters with backlit LCD display and battery gauge
- Bodypack with TA4 connector – Compatible with lapel and head-worn microphones
- 14-hour battery life from two AA alkaline batteries
- 32 preset channels, with compatible groups of 8 channels for simultaneous use
- Detachable half-wave TNC antennas enable use with APD4+ antenna distribution system
- Metal receiver chassis with optional rack-mount ears and front-mount antenna cables

**Electro-Voice**



## R300 HANDHELD SYSTEM

### MIC & RECEIVER KIT

The HT-300 metal handheld transmitter is made to withstand the rigors of daily use but still be comfortable in your hand. The PL22 dynamic microphone is the perfect all-around microphone for speaking engagements, singing and emcees. The cardioid pickup pattern rejects noises from the surroundings, helps control audio feedback, and still allows an experienced vocalist to work the microphone.

- ClearScan automatically finds the clearest channel
- EZsync one-step channel setup
- PL22 cardioid dynamic microphone element
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter
- Metal receiver chassis

Code  
R300-HD-B



## R300 LAPEL SYSTEM

### MIC & RECEIVER KIT

The R300-L system includes the metal BP-300 bodypack transmitter, which uses two AA batteries. With ClearScan and EZsync, the R300-L is the easiest wireless system you will ever use for presentations and worship services. The directional ULM18 helps to reject noise from the surroundings and control audio feedback.

- ClearScan automatically finds the clearest channel
- EZsync one-step channel setup
- ULM18 directional lapel microphone
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter
- Metal receiver chassis

Code  
R300-L-B



## R300 HEADSET SYSTEM

### MIC & RECEIVER KIT

The R300-E system includes the metal BP-300 body pack transmitter, which uses two AA batteries. The HM3 microphone is comfortable for extensive daily use, including long presentations. Using a headwork microphone helps to control audio feedback and provides consistent audio while the speaker moves naturally around the stage.

- ClearScan automatically finds the clearest channel
- EZsync one-step channel setup
- HM3 omni-directional microphone
- 14 hour battery life from two AA alkaline
- Rugged metal transmitter

Code  
R300-E-B



## R300 ACCESSORIES

### HANDHELD MIC

Code  
HT-300-B



### HEADSET MIC

Code  
HM3



### LAPEL MIC

Code  
ULM18



### BODY PACK

Belt pack transmitter (only).

Code  
BP-300-B



### BODY PACK SYSTEM

Kit includes the receiver unit and a belt body transmitter unit (TA4). No microphone.

Code  
R300-BP-B

### RECEIVER

Base station only.

Code  
R300-RX-B







# Audio Speakers & PA

## Speaker Components

## Speaker Stands & Mounting Brackets

### POLE MOUNT SPEAKER TRIPOD

Industry Standard 1½" post.  
Suitable for the Impulse 10  
Height adjustable with lock  
Height is 100cm to 180cm.  
Sturdy and stable support  
base, three 80cm legs.  
Heavy duty construction  
Includes a 1½" base plate  
for adding onto equipment  
that does not have the  
suitable insertion hole.  
Folds up neatly for easy  
transportation. Black.



Sold in Singles.

Code  
STAND10

### SPEAKER STANDS PAIR

Black 1" Steel tubes x3 All metal construction 10AWG Steel plate base  
4x Steel spike feet are Each Height adjustable Black painted finish  
Base 210x250mm  
Plate 210x170mm

Size	Code
600mm	STAND600
900mm	STAND900



Sold in Pairs.

### SPEAKER STANDS PAIR DELUXE

Tempered glass plinth and base. Black metal tube/s.  
Cable hide and adjustable spike feet. Sold in Pairs.  
Attractive, modern stands, high performance.

#### HEIGHT 460mm

Dual pole up to 10Kg.  
Base 250x300mm  
Plate 250x200mm

Code  
STAND460

#### HEIGHT 570mm

Single pole up to 10Kg.  
Base 250x300mm  
Plate 200x200mm

Code  
STAND570



Sold in Pairs.

### GLASS SHELF WALL MOUNT EQUIPMENT STAND

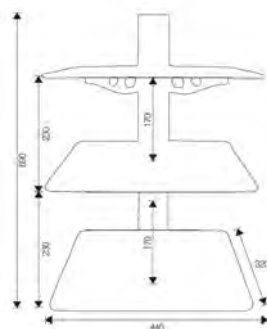
Single column universal wall mount with a glass shelf to provide a sturdy base for audio/video components up to 15Kg each.  
Wall bracket conceals all untidy cables. Distance between shelves is 230mm. OMB quality product.

- Shelf size 440x320mm each

Type	Height	Code
Single	230mm	OMB06162
Double	460mm	OMB06163
Triple	690mm	OMB06164

#### EXTENSION

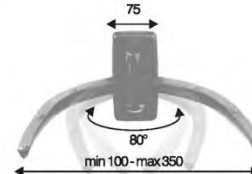
Length	Code
490mm	OMB06169



### EQUIPMENT WALL STAND LUNAR

Adjustable arms swing to change width depending on equipment 100-350mm Same attractive Italian styling as the LUNAR TV Supports.

Arm	(2) 290mm	(2) 290mm
max	30Kg	30Kg
Width	100-350mm	100-350mm
Colour	Silver	Black
Code	OMB26121	OMB06121



### EQUIPMENT WALL STAND ARMS

Arms fold up if not required.  
340-520mm arm extension.  
Supports up to 60kg the pair.

Arm	340-520mm	340-520mm	340-520mm
max	60Kg	60Kg	60Kg
Colour	Black	White	Silver
Code	OMB07060	OMB17060	OMB27060



Sold in Pairs.

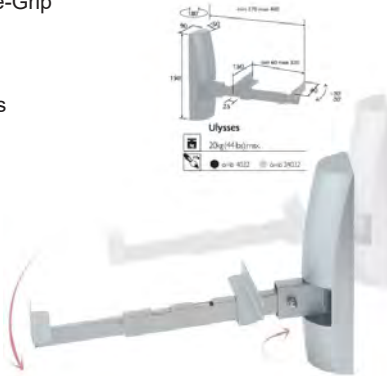




## SPEAKER MOUNTS

"EASY"/"MAJIX" Styling Vice-Grip base hold type foam-rubber covered jaws width is screw adjustable square speaker cabinets Box tilts and rotates Stand-Off is 27-40cm Premium professional loudspeaker bracket Sold in pairs

Colour	Code
Black	OMB04032
Silver	OMB24032

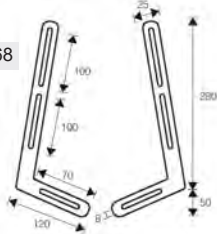


Sold in Pairs.

## 20Kg SOUNDBAR MOUNT

Universal mount for home theatres that enables you to perfectly integrate the audio system with your TV. This mount for speakers is compatible with all types of TVs with VESA mounting pattern and has a max weight capacity of 20 kg. Permits mounting under or on top of the TV.

Colour	Black
Code	OMB06168



Sold in Pairs.

## EXTENSION FINGERS

### 4X METAL BRACKETS 5.5"

Suitable for sound-bar or other mounting assistance. Size 140x20mm. Adjustable 100mm groove. Metal strength. Black enamel. 4 pieces.

Colour	Black
Code	OMB36084
	Four



## HEAVY DUTY ADJUSTABLE SPEAKER MOUNT

### PROLINK STEREO PAIR

The steel and aluminium constructed heavy-duty wall/ceiling mount can hold speakers up to 15kg. Disc joint 90° tilt adjustment and adjustable knob offering 360° rotation. 140mm from the wall / ceiling. Steel security seismic cable included prevents speakers from falling off the wall.

Size	100x100x140mm
Tilt	90°
Rotation	360°
Weight	Up to 15kg
Code	BKT1720
	per pair



Sold in Pairs.

## SPEAKER WALL BRACKET

Ball and socket joint with bases that screw onto the speaker and the wall, etc. Locking nut. Holds 5Kg. High grade Plastic. Includes Two brackets & screws Quality product from Italy. Available in Black or White.

Base	90 x 40mm
Ext	~90mm Off Wall
Adj V	±45°
Adj H	±45°

Colour	Code
Black	OMB04041
White	OMB14041
Silver	OMB24041



Sold in Pairs.

## SPEAKER WALL BRACKET

Ball and socket joint with bases Plus mini base for smaller speakers Holds 5Kg. High grade Plastic. Includes Two brackets & screws Quality product from Italy. Available in Black or White.

Base	90 x 40mm
Mini	45 x 35mm
Ext	~90mm Off Wall
Adj V	±45°
Adj H	±45°

Colour	Code
Black	OMB04042
White	OMB14042
Silver	OMB24042

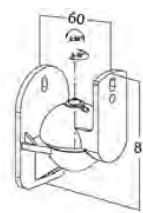


Sold in Pairs.

## 3.5Kg SPEAKER WALL MOUNT

Speaker brackets for satellite speakers. Pan/tilt multi angle adjustable. Sold in pairs.

Colour	Black
Code	BKT1700



Sold in Pairs.

## SPEAKER WALL BRACKET UNIVERSAL

### DOUBLE OR SINGLE ELBOW

Multiple angle options Double joints plus bases rotate for a variety of angles Weight bearing 5Kgs Sold in pairs. Base 86x42mm Screw mounts: 50mm-70mm

Code	SA26BL
------	--------



Sold in Pairs.





# Audio Speakers & PA

## Spikes and Feet

### SPEAKER SPIKE BRASS SATIN NICKEL

#### BUY ONE FOR A SET 4PCS

The DSS Series spikes are precision machined from solid brass and then plated with a satin nickel finish. Each cone spike weighs 86g and measures 32mm diameter and 38mm tall. The two-piece threaded tip design allows for precise level adjustment. Barbed inserts and threaded studs are included for mounting internally or externally in cabinets with walls up to 25mm thick. Set includes four satin nickel cone spikes, four satin nickel floor discs, four barbed inserts, and four M6 threaded studs.

Code  
DSS4-SN



### COMPONENT SPIKES FELT

Isolate Electronic units. Improve imaging, tighten bass. Height adjustable. Gold plated. Felt backed spike and saucer.

#### SMALL 25mmØ

Code  
SPIKE25



#### MEDIUM 30mmØ

Code  
SPIKE30

### SPEAKER SPIKES SMALL

Drill into box type mountings. Adjustable. Gold plated. With saucer. 20mm Round 25mm+ Height

Code  
SPIKE20



### SPEAKER SPIKES LARGE

Drill into box type mountings  
Large & Sturdy  
Suit subwoofers  
Champagne metal  
35mm Round  
40mm+ Height

Code  
SPIKE35



### SPEAKER SPIKES - STICK ON

Attractive Gold plated cone with adhesive back for a no-fuss connection. Includes floor protector. 30mmØ Round 22mm Height

Code  
SPIKE31

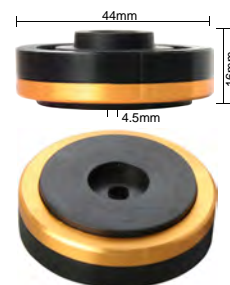


### COMPONENT FEET RUBBER INJECTED

#### HIFI SHOCK ABSORBER

Injection molded  
Energy absorbing  
Vibration reducing  
Brushed aluminium  
Outer wrap decor  
Gold or Silver Coloured

Size	Height	Code
44mmØ	12mm	RFG44GD



### COMPONENT FEET

#### NON-SCRATCH RUBBER BASE

Plastic feet with coloured decal outer.  
3mm thick rubber surface for non-slip, non-scratch grip.  
19mm high, 60mmØ and 10mm high, 44mmØ

Size	Height	Colour	Code
44mmØ	9mm	Silver	RFG4410SV
44mmØ	14mm	Silver	RFG44SV
60mmØ	20mm	Silver	RFG60-SV
60mmØ	20mm	Gold	RFG60-GD



### MOUNTING FEET ROUND

Screw-On rubber feet with 3mm hole. (Screws not included).

Size	Code
7X12mmØ	BRF12
7X15mmØ	BRF15
12x24mmØ	BRF24



### MOUNTING FEET SLIM

Low profile rubber feet with adhesive base.

Size	Code
4X12mmØ	ARF12



### RUBBER FEET STICK ON

High quality stick on rubber feet. Anti skid feature provides secure resting. Sold in singles.

Size	Code
12x12x6mm	RFG12
20x20x7.5mm	RFG20



### MOUNTING FEET HEMISPHERE

Non slip rubber feet to protect delicate surfaces from scratching and to elevate equipment to allow airflow preventing heat build-up. 3M adhesive. ROHS.

Size	Code
8x16mmØ	RFG16



### MOUNTING FEET SNAP-IN

10mm diameter, requires 8mm Mounting Hole. 5mm chassis clearance.

Size	Code
5x10mmØ	PRF10







## Connectors

### SPEAKER INTERCONNECT SOLUTIONS

High grade OFC 99.99% Oxygen free  
Premium grade copper  
Available in a range of sizes up to 0G



SEE SECTION CABLE & CONNECTORS

### SPEAKER PLUGS

GOLD PLATED BANANA PLUGS - 5mm Entry  
4mm plug with a Multi-Lam cage spring  
TWO per blister pack



### GOLD PLATED BANANA PLUGS

A complete range of terminals is available.  
SEE SECTION CABLE & CONNECTORS

Colour	Code
Red	P765
Black	P766

### DAYTON HEAVY DUTY BINDING POST PAIR

#### SPEAKER BOX TERMINALS 4mm OR BARE WIRE

Accept bare wire up to 8 gauge  
4mm Plugs. Suit speaker  
cabinets with walls 10mm to  
25mm thick. Overall length is  
60mm. Sold packaged in pairs,  
one Red and one Black.



Type	Code
Gold plated	BPA-38G
Satin Nickel	BPA-38SN
Nickel plated	BPA-38NI

### MANY MORE PLUGS

SEE SECTION CABLE & CONNECTORS

### SPEAKER TERMINALS

SEE SECTION CABLE & CONNECTORS

Gold plated screw terminals and 4mm banana plugs.  
[2x 4mm] ROUND

Code
J705



[2x 4mm] SQUARE

Code
J706



[2x 4mm] BULK\*

Code
J707



[4x 4mm] DOUBLE

Code
J708



J706 & J707

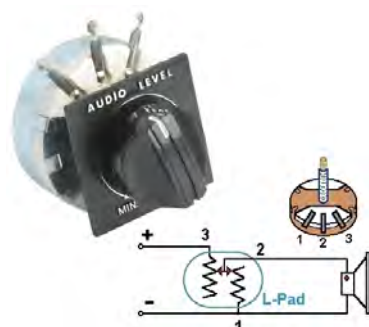
## Attenuators

### "L-PAD" LEVEL CONTROL

#### 8 OHM VOLUME

100Wmax Variable resistor.  
Shunted Potentiometer.  
Constant Impedance 8Ω.  
Suit in-box tweeter trim.  
Single gang (mono).

Code
VR2110



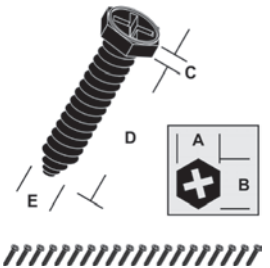
## Screws

### BLACK SELF-TAPPING SCREWS

Phillips head & Hex.

#### 7mm HEX

A	B	C	D	E	QTY	Code
6.8	7.7	3.3	20	4mm	20	STS7B



#### 8mm HEX

A	B	C	D	E	QTY	Code
7.8	8.8	3.9	25	5mm	20	STS8B

### ALLEN KEY SELF-TAPPING SCREWS

#### 3mm HEX

Metric head 3mm I/D Round  
Outer 7mm O/D Self-Tap  
around 4mm 20mm in depth/  
length Suit wood, etc. Supplied  
bag of 20x Black in colour



Size	QTY	Code
4mm	20	AS420-20

### FINE THREAD SCREWS

Countersunk heads for flush finish to suit HDF, MDF & wood, etc.

Size	QTY	Code
7G x 20mm	100	SBHP720
7G x 25mm	100	SBHP725
7G x 30mm	100	SBHP730
7G x 35mm	100	SBHP735
7G x 45mm	100	FRBH745
7G x 50mm	100	SBHP750
8G x 50mm	100	SBHP850
8G x 63mm	100	SBHP863



### SEE TOOLS SECTION FOR MORE

### MORE HARDWARE...

We have an entire list  
of tools, service-aids,  
Affixing tapes, glues,  
Test equipment, meters,  
Hand tools, drivers, and  
more screws!

Also Section 09 AUTOMOTIVE ACCESSORIES  
Auto Installers Section



## Tape

### GASKET TAPE - 1 Metre

Foam tape. Sticky one side.  
10mm wide x 3mm thick. Suit  
speaker mounting for good, air  
tight seal. Remove any air gaps.  
Supplied in 1M Lengths.



Code
GT7100

### FOAM GASKET TAPE POLYETHYLENE

#### SINGLE SIDED STICKY

Thick	Width x Length	Code
2mm	18mm x 2M	APT2182
3mm	9mm x 1M	GT7100
3mm	9mm x 2M	APT3092
3mm	12mm x 2M	APT3122
3mm	18mm x 2M	APT3182
3mm	9mm x 25M	APT6351
3mm	12mm x 25M	APT6352
3mm	18mm x 25M	APT6353



COMPREHENSIVE RANGE OF TAPES -  
See Section TOOLS & TEST EQUIPMENT





# Audio Speakers & PA

## □ Cabinet Ports

### BASS REFLEX PORT 1.3"

Cut to Length Push-fit Flanged mouth 80mm x 33mmØ  
Hole 40mmO/D

Code  
PORT8033



### BASS REFLEX PORT 1.6"

Cut to Length Push-fit Flanged mouth 105mm x 40mmØ  
Hole 63mmO/D

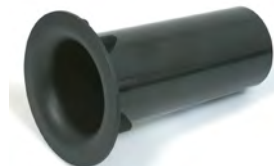
Code  
PT759



### BASS REFLEX PORT 1.8"

Cut to Length Push-fit Flanged mouth 128mm x 45mmØ  
Hole 68mmO/D

Code  
PT760



### BASS REFLEX PORT 2"

Cut to Length Push-fit Flanged mouth 125mm x 50mmØ  
Hole 58mmO/D

Code  
PORT12550



### BASS REFLEX PORT 2 1/2"

Cut to Length Push-fit Flanged mouth 125mm x 60mmØ  
Hole 70mmO/D

Code  
PORT12560



### BASS REFLEX PORT 4"

Cut to length Push-fit Flanged mouth 110mm x 95mmØ  
Hole 105mm

Code  
PORT11010



### BASS REFLEX PORT INTERNAL

Internal Flanged port edge  
Reduces LF air noise  
• Compatible with 65mm PVC pipe  
• Compatible with PORT12560

Code  
PORT4065



## □ Carpet & Deadener

### CARPET SPEAKER BOX COVER

"Unbacked" box carpet Unwoven so will not fray Super tough to protect PA Boxes from roadies or Car boot for subs.

CHARCOAL 0.75M x 2.0M

Code  
CACH1



BLACK 0.75M x 2.0M

Code  
CABK1

### SOUND DEADENER BITUMEN

#### BITUMEN BASED

Deaden those noisy speaker cabinets with heavy sound absorbing material. 2 x 300mm square sheets supplied.

Code  
MAT302



### SOUND DEADENER BUTYL

#### BARIUM MINERAL BASED

Super sound deadener 675x300mm sheet 1.5mm butyl & 3mm foam, adhesive backed.

Code  
MAT675



## □ Grille Cloth

### SPEAKER GRILLE CLOTH

High quality, attractive, acoustically transparent grille cloth is ideal for protecting drivers and allowing all of the sound to get through. BLACK. 1500 x 1000mm sheet x1 Black in colour

Code  
SPGC151



## □ Grille Clips

### SPEAKER GRILLE CLIPS LIGHT

Plug and socket type fixtures for holding-on speaker grille frames.

Male 10mmØ Hole  
Flush 17mm deep  
Female 6mmØ Hole  
Flush 6mm deep

QTY Code  
10x SGC10  
100x SGC100



### SPEAKER GRILLE CLIPS HEAVY

Plug and socket type fixtures for holding-on speaker grille frames.

Male 15mmØ Hole  
Flush 10mm deep  
Female 15mmØ Hole  
Flush 12mm deep

QTY Code  
10x SGC12  
100x SGC120







## □ Crossovers Assembled

### HDS CROSSOVER 150-V2

#### AS SUPPLIED WITH HDS150-V2

Designed to suit our XLS speaker Kits to match 831882 to 810921. Premium quality components. Copper Air-Core Inductors. Solen SCR MKP Capacitors. OFC Cable & Rear panel. 3.5KHz LP-12dB HP-18dB

Code

XON150-V2



### HDS CROSSOVER 250-V2

#### AS SUPPLIED WITH HDS250-V2

Designed to suit our XLS speaker Kits. Match 831882(x2) to 810921. Premium Copper Air-Core Inductors. Solen SCR MKP Capacitors. OFC Cable & Rear panel. 200Wrms Power 3.3KHz LP-12dB HP-18dB

Code

XON250-V2



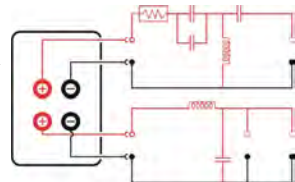
### HDS CROSSOVER 255C-V2

#### AS SUPPLIED WITH HDS255C-V2

Centre channel version. Match 831882(x2) to 810921. Premium Copper Air-Core Inductors. Solen SCR MKP Capacitors. OFC Cable & Rear panel. 200Wrms Power 3.3KHz LP-12dB HP-18dB

Code

XON255C-V2



### HDS CROSSOVER 455-V2

#### AS SUPPLIED WITH HDS455

Designed to suit our XLS speaker Kits. Match 830883(x2) to 810921. Premium Copper Air-Core Inductors. Solen SCR MKP audiophile Caps. OFC Cable & Rear panel connected. Completely assembled ready to go. 12dB Mid-Woofer. 18dB Tweeter. 200W RMS power rated minimum. See XLS Kits for more information. Two required for stereo.

Code

XON455-V2



### SSS-KIT CROSSOVER 260

#### AS SUPPLIED WITH KIT260

Suits SSS speaker Kits Only Match Peerless 832873(x2) to Ribbon tweeter JP30 Copper Air-Core Inductors Solen SCR MKP Capacitors OFC Cable attached with Rear panel 4mm inputs. Two required for stereo.

Code

XON260



### SSS-KIT CROSSOVER 360

#### AS SUPPLIED WITH KIT360

Suits SSS speaker Kits Only Match Peerless 830883 6.5" to Ribbon tweeter JP30 Copper Air-Core Inductors Solen SCR MKP Capacitors OFC Cable attached with Rear panel 4mm inputs. Two required for stereo.

Code

XON360

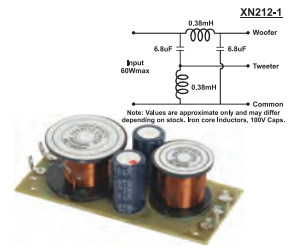


### 2 WAY 60W 12dB/OCTAVE

Pin 60Wrms  
Z 8Ω  
X1 2K3Hz  
Slope 12dB  
Two required for Stereo

Code

XN212-1



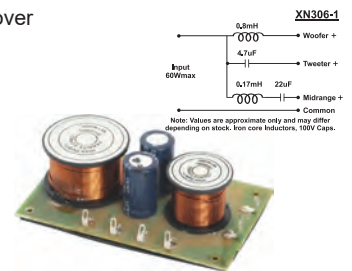
### 3-WAY 60W 6dB/OCTAVE

Simple 4 component Basic crossover for a matched 3 way system.

Pin 60Wrms  
X1 800Hz  
X2 5KHz  
Z 8Ω  
Slope 6dB  
Two required for Stereo

Code

XN306-1



### 3 WAY 150W 12dB/OCTAVE

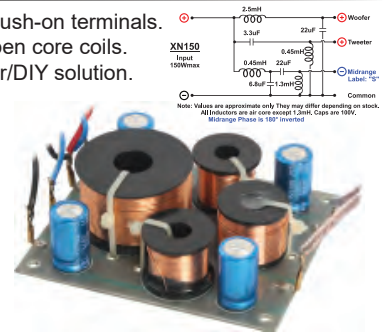
Includes speaker wiring with push-on terminals. Butterworth Second Order. Open core coils. Quick and easy upgrade/repair/DIY solution.

I/O 8 Ohm  
Pin 150Wrms  
Att. 12dB/Octave  
X1 750Hz  
X2 4KHz  
Slope 12dB  
Two required for Stereo

Code

XN150

Note: "S" Label is "Mid" (Inverted)  
Includes cable in/out. ~15cm / ~40cm to 4mm/6.3mm spade.



### SUBWOOFER X-OVER ACTIVE

Stereo 12dB Low-pass active filter. Compact design for adapting a subwoofer to your system. Adjustable output levels 80/125/250Hz LP switch S/N=100dB THD=0.02% Base 65x90(x28H)mm

Code

AX100



### SPEAKER TO RCA CONVERTER

Accepts both 'Common Ground' input as well as 'Floating Earth' or 'BTL' type. Output is RCA With Volume Trim for L & R. Metal box. Gold plugs

Code

AP304



### TAG STRIPS

#### Make your own Cross-Over!

Build crossover networks & projects specifically for your application.

#### 6 WAY (60mm)

Code

TAG6

#### 8 WAY (80mm)

Code

TAG8







# Audio Speakers & PA

## Crossover Components

### 100V NON POLARISED NP

Suit HiFi X-Overs.

µF	Code	µF	Code
0.47	.47NP100	10.0	10NP100
1.0	1NP100	22	22NP100
2.2	2.2NP100	33	33NP100
3.3	3.3NP100	47	47NP100
4.7	4.7NP100	100	100NP100



### 100V NON POLARISED AXIAL

Value(µF) RY 100V

µF	Code	µF	Code
1.0	1RY100	22	22RY100
2.2	2.2RY100	33	33RY100
3.3	3.3RY100	47	47RY100
3.9	3.9RY100	68	68RY100
4.7	4.7RY100	100	100RY100
6.8	6.8RY100	150	150RY100
10	10RY100	220	220RY100
15	15RY100	330	330RY100
		470	470RY100



### SCR MKP METALIZED POLY CAPS

Made by SCR in France. Used in Crossovers. Aluminium Metalised Vacuum Deposited Bifilar High Purity Polypropylene Film Tin plated Oxygen Free Pure Copper leads 400Vdc 250Vac Epoxy Resin Sealed

Value	Code	Value	Code
0.15µF	SCR.15	7.5µF	SCR7.5
0.27µF	SCR.27	8.2µF	SCR8.2
1µF	SCR1	10µF	SCR10
1.6µF	SCR1.6	12µF	SCR12
2.2µF	SCR2.2	15µF	SCR15
3.0µF	SCR3.0	18µF	SCR18
3.3µF	SCR3.3	20µF	SCR20
3.9µF	SCR3.9	27µF	SCR27
4.7µF	SCR4.7	33µF	SCR33
5.6µF	SCR5.6	47µF	SCR47
6.8µF	SCR6.8		



### SCR TIN-FOIL POLY FILM

“SM” AUDIOPHILE PERFORMANCE CAPACITOR

Made in France, these capacitors are renowned their high electrical performance and stability, insignificant dielectric absorption and no piezoelectric effect. Very low series inductance or resistance and very high current capabilities. Ideal for speaker crossovers, audio coupling and high precision applications in Audio.

Value	Type	Voltage	Code
.01µf	SN	1200V	TN.01
.022µf	SM	630V	TN.022
.047µf	SM	630V	TN.047
.1µf	SM	630V	TN.1
.22µf	SM	630V	TN.22
.33µf	SM	630V	TN.33
.47µf	SM	630V	TN.47
.68µf	SM	630V	TN.68
.82µf	SM	630V	TN.82
1µf	SM	630V	TN1.0
1.5µf	SE	400V	TN1.5
2.0µf	SE	400V	TN2.0
3.3µf	SE	100V	TN3.3
3.9µf	SE	100V	TN3.9
4.7µf	SE	100V	TN4.7



### NON-INDUCTIVE RESISTORS

#### WIRE-WOUND CERAMIC

Does not alter value to frequency. Stable and powerful resistors suit speaker attenuation networks, etc. Available in 5W and 10W powers... 0.22Ω to 100Ω in “Popular Values”. To order; State the wattage, Then “NLR” (Non-Inductive-Resistor) Then the resistance value in ohms. For more see Section 10 Electronic Components.

5W x = Value in Ω

Code\*

5NLRx

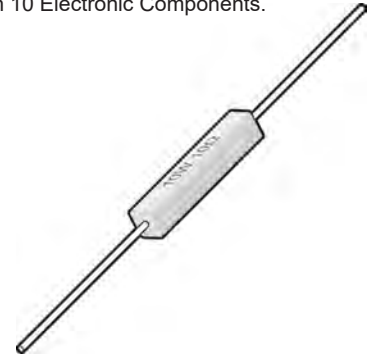
10W x = Value in Ω

Code\*

10NLRx

Values Available (Ohm):

.22 .27 .33 .39 .47 .51 .56 .68  
.82 1.0 1.2 1.5 1.8 2.2 2.7 3.3  
3.9 4.7 6.8 8.2 10 12 15 18 22  
27 33 39 47 51 56 68 82 100



### DAYTON DMPC 250V CAPACITOR

#### POLYPROPYLENE LOUDSPEAKER CROSSOVER CAPACITORS

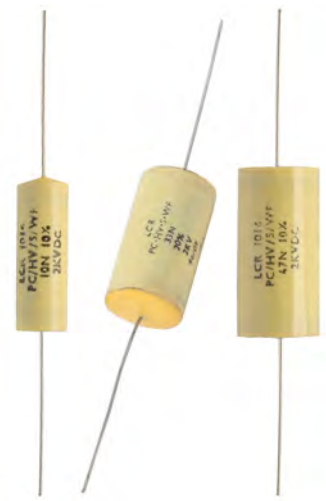
Value	Code	Value	Code
0.1µF	MPT-0.1	7.5µF	MPT-7.5
0.22µF	MPT-0.22	8.2µF	MPT-8.2
0.33µF	MPT-0.33	10µF	MPT-10.0
0.47µF	MPT-0.47	12µF	MPT-12.0
0.68µF	MPT-0.68	15µF	MPT-15.0
1µF	MPT-1.0	18µF	MPT-18.0
1.5µF	MPT-1.5	20µF	MPT-20.0
2µF	MPT-2.0	25µF	MPT-25.0
2.2µF	MPT-2.2	27µF	MPT-27.0
2.7µF	MPT-2.7	30µF	MPT-30.0
3µF	MPT-3.0	33µF	MPT-33.0
3.3µF	MPT-3.3	40µF	MPT-40.0
4µF	MPT-4.0	47µF	MPT-47.0
4.3µF	MPT-4.3	50µF	MPT-50.0
4.7µF	MPT-4.7	60µF	MPT-60.0
5.1µF	MPT-5.1	68µF	MPT-68.0
5.6µF	MPT-5.6	75µF	MPT-75.0
6.2µF	MPT-6.2	90µF	MPT-90.0
6.8µF	MPT-6.8	100µF	MPT-100.0



### POLYPROPYLENE - AXIAL 600VAC 2000VDC

Film-Foil Polypropylene 2000V high voltage and high current with fast response and high specifications with long life.

Value	Code
.0012µf (1.2nf)	KP.0012
.0015µf (1.5nf)	KP.0015
.0018µf (1.8nf)	KP.0018
.0027µf (2.7nf)	KP.0027
.0033µf (3.3nf)	KP.0033
.0039µf (3.9nf)	KP.0039
.0047µf (4.7nf)	KP.0047
.0056µf (5.6nf)	KP.0056
.0068µf (6.8nf)	KP.0068
.0082µf (8.2nf)	KP.0082
.0091µf (9.1nf)	KP.0091
.0095µf (9.5nf)	KP.0095
.01µf (10nf)	KP.01
.011µf (11nf)	KP.011
.015µf (15nf)	KP.015
.022µf (22nf)	KP.022
.033µf (33nf)	KP.033
.039µf (39nf)	KP.039
.047µf (47nf)	KP.047







## INDUCTORS 1mm(18AWG) AIR-CORE 200Wrms

Value	Ω	Size	Code
0.03mH	0.05Ω	15x30Ø mm	XLA0.03
0.05mH	0.1Ω	50x20Ø mm	XLA0.05
0.08mH	0.05Ω	15x30Ø mm	XLA0.08
0.10mH	0.1Ω	50x20Ø mm	XLA0.1
0.12mH	0.1Ω	50x20Ø mm	XLA0.12
0.15mH	0.2Ω	50x20Ø mm	XLA0.15
0.18mH	0.2Ω	50x20Ø mm	XLA0.18
0.22mH	0.2Ω	50x20Ø mm	XLA0.22
0.33mH	0.3Ω	50x20Ø mm	XLA0.33
0.39mH	0.3Ω	50x20Ø mm	XLA0.39
0.47mH	0.3Ω	50x20Ø mm	XLA0.47
0.56mH	0.4Ω	50x20Ø mm	XLA0.56
0.68mH	0.5Ω	50x20Ø mm	XLA0.68
0.82mH	0.5Ω	50x30Ø mm	XLA0.82
1.0mH	0.6Ω	50x30Ø mm	XLA1
1.2mH	0.7Ω	50x30Ø mm	XLA1.2
1.5mH	0.8Ω	50x30Ø mm	XLA1.5
1.8mH	0.8Ω	50x30Ø mm	XLA1.8
2.2mH	0.8Ω	70x35Ø mm	XLA2.2
2.7mH	0.9Ω	70x35Ø mm	XLA2.7
3.0mH	0.9Ω	70x35Ø mm	XLA3
3.3mH	1.2Ω	70x35Ø mm	XLA3.3
3.9mH	1.4Ω	70x35Ø mm	XLA3.9
4.7mH	1.4Ω	70x35Ø mm	XLA4.7
5.6mH	1.4Ω	70x35Ø mm	XLA5.6
6.8mH	1.5Ω	70x35Ø mm	XLA6.8
8.2mH	1.8Ω	70x35Ø mm	XLA8.2
10 mH	2.0Ω	90x45Ø mm	XLA10



## SOLEN CROSSOVER INDUCTORS

High grade, low-loss, pure 99.99% copper wire is used. Very low Magnetostriction distortion Induction value remains constant regardless of voltage and current variation. Low DCR. Low skin effect losses. Low proximity effect. Low self capacitance. A premium grade component developed for the purest audiophile. Tolerance (mH) is  $\pm 1\%$   
DCR (Ohms)  $\pm 5\%$   
Dimensions (mm)  $\pm 10\%$   
1.63mm O/D 14 AWG



Value	Ω	Size	Solen#	Code
.16mH	.07Ω	14x29x57 mm	S14.16	SOL0.16
.18mH	.08Ω	14x29x57 mm	S14.18	SOL0.18
.20mH	.08Ω	14x29x57 mm	S14.20	SOL0.20
.22mH	.09Ω	14x29x57 mm	S14.22	SOL0.22
.27mH	.10Ω	14x29x57 mm	S14.27	SOL0.27
.33mH	.11Ω	16x32x64 mm	S14.33	SOL0.33
.39mH	.12Ω	16x32x64 mm	S14.39	SOL0.39
.47mH	.13Ω	16x32x64 mm	S14.47	SOL0.47
.51mH	.14Ω	16x32x64 mm	S14.51	SOL0.51
.56mH	.15Ω	16x32x64 mm	S14.56	SOL0.56
.68mH	.17Ω	19x38x76 mm	S14.68	SOL0.68
.82mH	.19Ω	19x38x76 mm	S14.82	SOL0.82
1.0mH	.21Ω	19x38x76 mm	S141.0	SOL1.0
1.2mH	.24Ω	19x38x76 mm	S141.2	SOL1.2
1.5mH	.28Ω	19x38x76 mm	S141.5	SOL1.5
1.8mH	.30Ω	22x45x89 mm	S141.8	SOL1.8
2.2mH	.33Ω	22x45x89 mm	S142.2	SOL2.2
2.7mH	.39Ω	22x45x89 mm	S142.7	SOL2.7
3.0mH	.42Ω	22x45x89 mm	S143.0	SOL3.0
3.3mH	.45Ω	25x51x102 mm	S143.3	SOL3.3
3.9mH	.49Ω	25x51x102 mm	S143.9	SOL3.9
4.7mH	.56Ω	25x51x102 mm	S144.7	SOL4.7
5.1mH	.59Ω	25x51x102 mm	S145.1	SOL5.1
5.6mH	.63Ω	25x51x102 mm	S145.6	SOL5.6
6.8mH	.71Ω	32x64x127 mm	S146.8	SOL6.8
8.2mH	.79Ω	32x64x127 mm	S148.2	SOL8.2
10mH	.87Ω	32x64x127 mm	S1410	SOL10

<http://www.solen.ca>

Recommended:

Maximum DCR for Series inductors for 8Ω load is 0.6Ω Total.

Maximum DCR for Parallel inductors for 8Ω load is 1.2Ω Total.

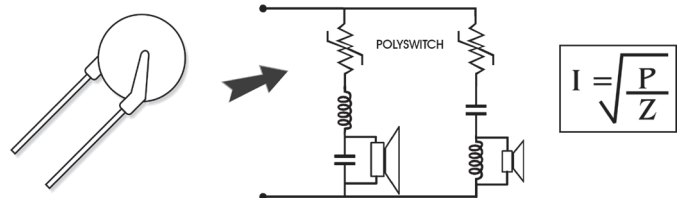
## POLYSWITCH - AS SPEAKER PROTECTORS

The PolySwitch circuit protector is a positive temperature coefficient resistor that undergoes a large, quick increase in resistance when the over-current heats it above a specific point, going near open circuit! When the temperature reduces, the PolySwitch resets to a near short circuit, unharmed, to resume normal operation. No manual resetting is required. This makes them an ideal economical protector for building inside speakers. For the best performance it is recommended that each driver be individually protected.

### INSTRUCTIONS

It is not possible to simply recommended a polyswitch for a speaker wattage. Speaker power ratings, Impedances (and therefore Trip Current) supplied with speakers are generalized and are very difficult to determine with any real accuracy. This is standard for most types of speaker protection due to frequency and the dynamics of music! The only recommendation we can find is to pick a conservative value polyswitch and that if it repeatedly false triggers, select the next value up, with caution. To convert Power rating into Trip Current, use Ohms law: Determine the maximum power ratings for each driver  
 $P = 1.414 \times P_{rms} = 1.414 \times P_{nom} = \frac{1}{2} P_{pmpo} = \frac{1}{2} P_{p-p} = P_{max}$  Divide this value by the Impedance (R or Z), this gives you the trigger current (I trip). Select the RXE Code that has a lower trip current than the one you calculated. Double check your findings.

I hold	I trip	Cold Ω	Code
0.10	0.20	2.50	RXE010
0.17	0.34	2.00	RXE017
0.20	0.40	1.83	RXE020
0.25	0.50	1.25	RXE025
0.30	0.60	0.88	RXE030
0.40	0.80	0.55	RXE040
0.50	1.00	0.50	RXE050
0.65	1.30	0.31	RXE065
0.75	1.50	0.25	RXE075
0.90	1.80	0.20	RXE090
1.10	2.20	0.15	RXE110
1.35	2.70	0.12	RXE135
1.60	3.20	0.09	RXE160
1.85	3.70	0.08	RXE185
2.50	5.00	0.05	RXE250
3.00	6.00	0.04	RXE300
3.75	7.50	0.03	RXE375



## SPEAKER PROTECTION WITH A FUSE

In-line speaker fuses can be a useful in NON-Performance applications for protection Rarely used due to their effect on sound Q. In calculating a fuse value, remember that fuse ratings are not what they "Blow" at, but rather, guaranteed to hold at the value. ie. a 1 Amp fuse will not quick blow at 1 Amp but at some current above 1A in RMS not Peak! The speaker power rating corresponding to the fuse nominal current rating can be calculated:

$P = I^2 R$  (Ohms Law) PowerRMS  
 = Current<sup>2</sup> x Resistance Watts  
 = Fuse x Fuse x Speaker Impedance

eg. For an eight ohm speaker:

$P = 1A \times 1A \times 8\Omega = 8 \text{ Watts}$

$P = 4A \times 4A \times 8\Omega = 128 \text{ Watts}$

$P = 8A \times 8A \times 8\Omega = 512 \text{ Watts}$

### SEE COMPONENTS SECTION 10 FOR FUSES

Remember that the fuse will "Hold" at this and blow at somewhat higher power levels Slow blow types can also be a good idea too One practical implementation is to start at a very low value fuse and progress to higher values until the fuse holds...







# Audio Speakers & PA

## □ Buzzers and Sirens

### PIEZO ELEMENT

Recommended input  
4KHz 2-25V p-p for  
up to 75dB

Size Code  
8 x 22mm PKM22



### PIEZO BUZZER

With built-in  
drive circuit.  
3-16VDC 7mA  
70dB 4KHz

Size Code  
8 x 14mm KPE242



### PIEZO ELEMENT

Recommended input 5KHz  
3-30v p-p for up to 80dB.

Size Code  
4 x 17mm KPE150



### PIEZO BUZZER

With built-in  
drive circuit.  
3-20VDC 10mA  
95dB 4.5KHz

Size Code  
10 x 22mm KPE26



### PIEZO BUZZER

With built-in  
drive circuit.  
3-20VDC 12mA  
95dB 2.8KHz

Size Code  
16 x 41mm PKB53



### PIEZO BUZZER - DUAL

Continuous or fast pulse  
wiring option. 4-28VDC  
3-18mA 85dB 3KHz.

Size Code  
33 x 42mm KPE657

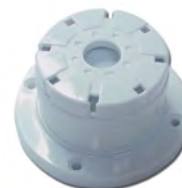


### PIEZO INDOOR SIREN

12Vdc

Repel an intruder from your home  
by installing this high frequency,  
super loud 115dB siren.  
85Ø/90Øx40mm

Code  
KPE6124



### PIEZO BUZZER - WALL MOUNT

Mounting hole = 54mm  
12VDC 110dB

Code  
KPE6122



### COMPACT PIEZO SIREN

Small in size, big in performance.  
6V to 12VDC. 45 X 40 X 60mm  
Tone 1.5K-3.5KHz 105dB(1M)

Code  
KPE1200

24V VERSION

Code  
KPE2400



### 3 1/2" OUTDOOR SIREN

Compact 100x90mmØ 12Vdc  
with inbuilt siren driver. 115dB  
single tone. Fits KPE5462 Cover.

Code  
KPE6126



### SIREN STROBE UNIT

INDOOR ALERT 100dB

Wall mount alarm Compact  
75x120mm Weather resistant  
100dB SPL output Blue strobe  
1.25Hz Separate input for Strobe  
and Siren. 10-14Vdc 280mA.

Code  
KPE5415



### SIREN COVER

UNDER EAVE MOUNT

Plastic for a never corrode,  
never rust outdoor solution.  
White ABS with pre-punched  
mounting holes and a bracket  
for tamper switch mounting.  
120mm Minimum internal.

Code  
KPE5462



Security Section 05 SECURITY SURVEILLANCE





## Speaker Automotive

## Boxes & Enclosures

### SPEAKER CABINET 6"

#### WOODEN BOX

125mm cut hole  
205x210x230mm  
Particle board.  
Internal wadding.  
Carpet covered.  
Sold in pairs.

Code  
SB60A



SPEAKERS NOT INCLUDED  
REQUIRES SPEAKERS

### 6" SPEAKER BOX PORTED

#### TWO TONE CARPETED

Suits 6" - 6½" (152mm - 165mm) Speakers.  
MDF construction covered in black carpet  
with grey sides.

Code Pair  
PB602 \$25.68



### 6x9" SPEAKER CABINET

#### SEALED PLASTIC CABINET PAIR

Complete unit pair, just add 6x9" speakers!  
Quality ABS sealed plastic box  
180x190x280mm Screw & 4mm posts  
Includes mounting bracket & screws.

Code Pair  
APFB69B \$65.00



### SPEAKER CABINET 6x9"

#### WOODEN BOX

Just add speaker 185x300x200mm  
Particle board Internal wadding  
Carpet covered Sold in pairs Black

Code  
SB69A



SPEAKERS NOT INCLUDED  
REQUIRES 6x9" SPEAKERS

### 6x9" SPEAKER BOXES PORTED

#### TWO TONE CARPETED

Suits 6" x 9" (152mm x 229mm) speakers.  
MDF construction covered in black carpet  
with grey sides.  
230x290x150mm

Code Pair  
AP-PB69C \$25.77



### SUB WOOFER CABINETS FOR CAR 10"

#### 10" SUB BOX

Sealed cabinet.  
Carpet covered.

Suit 10"  
Volume 20L  
Box Size 378x274x309mm  
Code SB10100



### 12" WEDGE SUB-WOOFER CABINETS

#### BLACK CARPET BOX - REQUIRES SUBWOOFER

Single 12" 305mm driver required. Dark grey carpet wrapped around a wedge box design. Internal foam wadding included. Sealed for simplistic setup, so no port tuning required. Or drill a port if required.



Size	350x460x320mm	350x460x320mm	340x335x435mm
Volume	28L	28L	20L
Code	SB12100	SB12100N	PSB12

### 12" SUB-WOOFER CABINETS - SLIM

#### COMPACT LOW-PROFILE MAX-FLAT

Aerpro 16mm MDF covered in black carpet. Slim design for compact installations like Utes, Pickups, etc. or where space is a premium. Low FS, QTS and VAS values as they will perform better.



Size	556x182x376mm	556x216x376mm	500x174x441mm
Volume	24L	18.6L	24L
Ports	No	Yes	Yes
Code	MAX120	MAX122	UBOX12

### SUB WOOFER CABINETS FOR CAR 15"

#### 15" SUB BOX

Black carpet covered  
sealed cabinet.

Suit 15"  
Volume 50L  
Box Size 460x465x432mm  
Code PSB15







# Audio Speakers & PA

## Car Speakers Nakamichi

### NAKAMICHI CAR AUDIO



InCar Entertainment  
Speakers



#### NAKAMICHI 4" 2 WAY SPEAKERS

4" 2 Way coax speakers  
4 Ohms  
100Hz - 20KHz  
Rubber Surround  
Peak Power: 350W  
Sold In Pairs



Code NSE45



#### NAKAMICHI 6" 2 WAY SPEAKERS

Superior product design, acoustic quality and performance.  
Combination of both product innovation and advanced technology to  
produce in-car entertainment system.

Mounting Depth: 49mm  
25Wrms 380W peak  
Sens. 89dB 1w/m  
82Hz - 20KHz  
Voice Coil KSV 25.5mm  
Magnet 221g  
Sold In Pairs



Code NSE66



#### NAKAMICHI 6X9" 3 WAY SPEAKERS

Superior product design, acoustic quality and performance.  
Combination of both product innovation and advanced technology to  
produce in-car entertainment system.

Speaker type 6x9" 3-way  
RMS power 80W  
Peak music power 660W  
Sensitivity (1W/m) 91dB  
Frequency response 45-20K Hz  
Impedance 4 ohms  
Voice coil TSV 38.5mm  
Magnet weight 550g  
Grills Included  
Sold in Pairs



Code NSE963



#### NAKAMICHI 6.5" COMPONENT SPEAKER

2 Way System with crossover  
Rubber Surround  
260W Max Power  
Nominal input power 60W  
Impedance 4 Ohms  
Frequency response  
85Hz - 20kHz  
Sens. 88dB  
16.5cm Mid-woofers 62x175mmØ  
Separate tweeters 30x35mmØ  
Crossover size 73x41x24mm  
Sold In Pairs



Code NSE6







## NAKAMICHI 6" COMPONENT SPEAKERS

Packed in a wooden ply wood stained Gift box.  
2 inch Planer ribbon tweeter Neodymium.  
X over is 12db with a Zobel compensation resistor  
and +3 or Odb selector for the tweeter  
Sold In Pairs



Watt	100Wrms 300Wmax
R	4 Ohm
Fs	72.4Hz
Sens.	85.9dB
BL	8.405Tm
Qms	5.67
Qes	0.732
Qts	0.648
Vas	4.83L
Code	NSX6



## NAKAMICHI 12" SUBWOOFER DVC

### PUMP A STEREO AMP INTO THE ONE SUB-WOOFER

Car Audio experience is never complete with the deep rigid bass of a good subwoofer. Enjoy the heart throbbing bass of the Nakamichi subwoofer. Falling asleep on the driver seat is just not possible with this mean beast.

- 12 inch Dual Voice Coil Subwoofer
- Power (Max) - 3000W
- Power (RMS) - 450W
- Sensitivity - 82dB
- Frequency response - 20Hz-1500Hz
- Nominal impedance - 4ohm + 4ohm

Rms	450W
Max.	3000W
Fs	28Hz
Re	4Ω + 4Ω
SPL	82dB
Fr	20Hz - 1500Hz
Qes	1.2
Qms	10.2
Qts	1.0
Vas	54.1L
Code	SPW3501D



## NAKAMICHI 6" 2 WAY SPEAKERS

Heavy duty poly-prop cone with rubber surround with inbuilt 12dB crossover network and integrated 1" Titanium dome with Silk Edge suspension neodymium magnet. Sold In Pairs

Re	3.1 Ohm
Watt	65Wrms 200Wmax
Sens.	87.8dB
Fs	78Hz
Qms	8.488
Qes	0.916
Qts	0.827
Vas	7.5L
Code	NAK62



## NAKAMICHI 12" SUBWOOFER

12" 300mm Extreme Subwoofer with Die cast Basket and Fibre Cone. Super T Yoke transfers immerse amounts of energy into exertion. X-Max is 37mm total linear movement for a massive power sub. Packed in Wooden Box.

Re	3.2 Ohm
Rms	1350W
Fs	42.8Hz
BL	12.7Tm
Qms	6.082
Qes	0.56
Qts	0.512
SPL	90dB
Vas	46.5L
Code	NSX12







# Audio Speakers & PA

## Speaker Drivers Miscellaneous

### Horn Speakers

#### PA HORN SPEAKER 4" 8Ω

Plastic Weather resistant.  
Public Address Horn Speaker.  
8Ω 400-6.5KHz

Z	8Ω
Size	135x120mmØ
Power	10Wmax
Code	PAH3180



#### 30W PA HORN SPEAKER 100V

Highly efficient 100V public address horn speaker. Premium UV resistant plastic waterproof construction suitable for all outdoor applications.

Watt	Code
30W	HS-330T



#### 100V-LINE HORN SPEAKER - REDBACK

180mm Mouth & 270mm Long  
Includes mounting bracket.  
10W 100V Line PA Switchable taps  
UV Stable ABS plastic Neutral grey  
Sensitivity is 105dB Max 115dB  
300Hz to 13KHz (110°) Compatible with EWIS and PA emergency type installations. Articulate at speech.

Code
PA2053



#### BOSCH PA HORN SPEAKER 8" & 9½"

Details	8" White IP66	9.5" White IP66
Size	230x200mmØ	292x246mmØ
Watt	10W	20W
Taps	1.25, 2.5, 5, 10W	5, 7.5, 10, 15, 20W
SPL	108dB	110dB
dBi	119dB max	124dB max
Code	BCS-HS10E	BCS-HS20E



#### BOSCH PA HORN SPEAKER HIFI 2-WAY MUSIC QUALITY

Details	Two Way HiFi
Watt	45W
Taps	3.75/7.5/15/30W
Size	370x255x291mm
SPL	100dB
dBi	115dB
Code	LH1-UC30E



#### BOSCH PROFESSIONAL PA INSTALLATIONS

##### COMPREHENSIVE RANGE ON 100V LINE PRODUCTS

WES is an official distributor for Bosch.  
See our full range on the Bosch Pages...



**BOSCH**  
Invented for life



### Speakers Marine

#### MARINE RADIO HOUSING

**WEATHER RESISTANT**  
Protects DIN sized units from dust & water, etc.

##### FULL HOUSING

Code
FP9003

##### FRONT ONLY

Code
FP9005



#### MARINE SPEAKER 6½" DUAL-CONE

Benelec badged marine. Weather proof. Sold single. All plastic construction. Polypropylene cone.

Power	75 Watts
Impedance	4 ohm
Size	165mm
O/D	180mm
Code	MSPK7



### Speakers Communication

#### SPEAKER COMPACT

Z	8Ω
Lead	1.8M
Plug	Bare End
Size	100x82x59mm
Power	15 Watt
Code	CBXS



#### SPEAKER MINI COMMUNICATIONS

Polypropylene speaker

Lead	1.8M
Plug	3.5mm
Size	80x65x60mm
Power	3 Watt
Z	8Ω      4Ω
Code	SP20      SP21



#### SPEAKER RECTANGULAR

With mounting bracket

Z	4Ω
Lead	4.5M
Plug	3.5mm
Size	110x65x55mm
Power	5Wnom
Code	CS8



#### SPEAKER SQUARE

With mounting bracket

Lead	1.8M
Plug	3.5mm
Size	125x125x60mm
Power	20Wmax
Z	4Ω      8Ω
Code	CS6      CS7







## □ Speaker Drivers Replacement

### □ Round

#### COMPACT SPEAKER 45mm

As used in portable phones, communication speakers, walkmans, dictation units, etc. 8 ohm 200mW  
PAPER 45mm

Impedance	8Ω
Power	200mW
Diam.	45mm
Height	10mm
Code	SP45



#### SPEAKER DRIVER FLAT 57mm

**WEATHER-PROOF**  
Plastic cone low profile

Impedance	8Ω*
Power	2W
Diam.	57mm
Height	8mm
Code	SP57



#### ROUND GP SPEAKER 50mm

Impedance	8Ω
Power	200mW
Diam.	50mm
Height	8mm
Code	SP60



#### ROUND GP SPEAKER 75mm

Impedance	8Ω
Power	1W
Diam.	75mm
Height	25mm
Code	SP03



#### ROUND GP PLASTIC 50mm

Impedance	8Ω~
Power	200mW
Diam.	50mm
Height	8mm
Code	SP50



#### ROUND GP SPEAKER 75mm

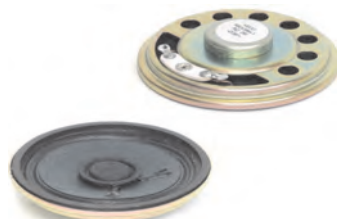
Impedance	8Ω	16Ω	32Ω
Power	3W	1.5W	2W
Diam.	75mm	75mm	75mm
Height	35mm	35mm	35mm
Code	SP37	SP36	SP38



#### SPEAKER DRIVER FLAT 50mm

Std Paper Cone Super low  
profile Rare earth mag.  
Compact. Shielded

Impedance	8Ω*
Power	1W
Diam.	50mm
Height	9mm
Code	SP52



#### ROUND GP SPEAKER 90mm

Impedance	8Ω	4Ω
Power	1W	1W
Diam.	90mm	90mm
Height	25mm	25mm
Code	SP06	SP07



#### ROUND GP SPEAKER 57mm

Impedance	8Ω
Power	0.25W
Diam.	57mm
Height	15mm
Code	SP01



#### ROUND GP SPEAKER 100mm

Impedance	4Ω	8Ω
Power	1.5W	1.5W
Diam.	100mm	100mm
Height	40mm	40mm
Code	SP101	SP102



#### SPEAKER DRIVER MINI 50mm

Paper Cone with Rubber  
surround Rare earth mag.  
Compact. Shielded

Impedance	8Ω*
Power	2W
Diam.	50mm
Height	18mm
Code	SP54



#### ROUND GP SPEAKER 100mm

Impedance	4Ω
Power	5W
Diam.	100mm
Height	35mm
Code	SP101B







# Audio Speakers & PA

## □ Square

### SQUARE GP SPEAKER 65mm

Impedance	8Ω
Power	1W
Mount	72mm
Diam.	65mm
Height	20mm
Code	SP01B



### SQUARE GP SPEAKER 100mm

Impedance	4Ω
Power	1.5W
Mount	120mm
Diam.	100mm
Height	35mm
Code	SP103A



### SQUARE GP SPEAKER 75mm

Impedance	16Ω
Power	1W
Mount	85mm
Diam.	75mm
Height	25mm
Code	SP03B



### SQUARE GP SPEAKER 100mm

Impedance	4Ω
Power	5W
Mount	120mm
Diam.	100mm
Height	40mm
Code	SP104



### SQUARE GP SPEAKER 90mm

Impedance	8Ω
Power	1W
Mount	100mm
Diam.	90mm
Height	25mm
Code	SP08



### SQUARE GP SPEAKER 100mm

Impedance	8Ω
Power	5W
Mount	120mm
Diam.	100mm
Height	40mm
Code	SP105



### SQUARE GP SPEAKER 90mm

Impedance	4Ω
Power	5W
Mount	100mm
Diam.	90mm
Height	30mm
Code	SP14



### 4" DUAL CONE CAR SPEAKER

Impedance	4Ω
Power	40Wp-p
Mount	115mm
Diam.	100mm
Height	42mm
Code	DC4-40



### SQUARE GP SPEAKER 90mm

Impedance	16Ω*
Power	5W
Mount	100mm
Diam.	90mm
Height	35mm
Code	SP170



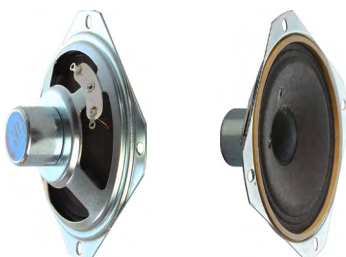
### 4" WIDE RANGE CAR SPEAKER

Impedance	4Ω
Power	20W
Mount	115mm
Diam.	105mm
Height	60mm
Code	SP4-24



### SQUARE GP SPEAKER 75mm

Impedance	8Ω
Power	2W
Mount	85mm
Diam.	75mm
Height	25mm
Code	SP03C



### SEE ALSO DAICHI HI-FI SPEAKERS

For larger Square-Frame Drivers, See our Daichi range of drivers on the following pages...

**daichi**







## □ Square

### GP REPLACEMENT SPEAKER 120mm

Impedance	8Ω
Power	5W
Mount	120mm
Diam.	120mm
Height	45mm
Code	SP112



### GP REPLACEMENT SPEAKER 120mm

Impedance	8Ω
Power	20W
Mount	125mm
Diam.	120mm
Height	50mm
Code	SP5-20



### GP REPLACEMENT SPEAKER 130mm

Impedance	8Ω
Power	8W
Mount	140mm
Diam.	130mm
Height	45mm
Code	SP107



### GP REPLACEMENT SPEAKER 135mm

Impedance	4Ω
Power	40W
Mount	140mm
Diam.	135mm
Height	55mm
Code	DC525-40



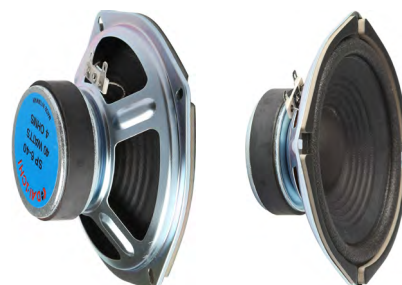
### GP REPLACEMENT SPEAKER 135mm

Impedance	8Ω
Power	30W
Mount	135mm
Diam.	133mm
Height	55mm
Code	SP5-30



### GP REPLACEMENT SPEAKER 155mm

Impedance	4Ω
Power	60W
Mount	160mm
Diam.	155mm
Height	57mm
Code	SP6-40



## □ Oval

### 1½" x 2½" OVAL SPEAKER

Impedance	8Ω
Power	5W (10W max)
Mag.	45mm
Size	70x40mm
Height	30mm 35mm
Type	Standard Shielded
Code	SP130 SP131



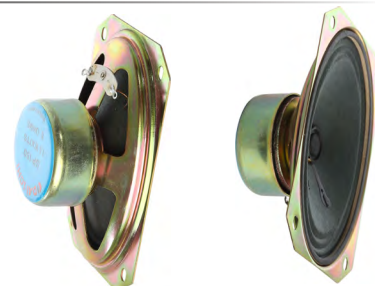
### 2"x4" OVAL SPEAKER

Impedance	8Ω
Power	5W
Mag.	49mm
Size	90x50 mm
Height	42mm
Code	SP140



### 2.5"x4" OVAL SPEAKER

Impedance	8Ω
Power	1.5W
Size	106x68 mm
Code	SP150



### 3"x5" OVAL SPEAKER

Impedance	8Ω
Power	3W
Size	125x77 mm
Code	SP160



### 4x6" DUAL CONE OVAL CAR SPEAKER

Impedance	4Ω
Power	30Wrms
Freq.	120Hz-20KHz
Voice	20mmØ
Size	155x105 mm
Height	50mm
Code	DC46-30



### 5x7" DUAL CONE OVAL CAR SPEAKER

Impedance	4Ω
Power	40Wp-p
Size	185x130 mm
Height	60mm
Code	DC57-40







# Audio Speakers & PA

## Speaker Drivers Replacement

### DAICHI HIFI REPLACEMENT DRIVERS

The following range will suit most audio applications where you may be replacing a damaged driver in an existing box, upgrading a poor or outdated box or an economical solution in making your own HiFi speaker for home theatre, etc. All Daichi drivers use high quality, reliable components for long service life and excellent sound for money value.

Specifications have been Independently evaluated & tested by a 3rd party (SSS).  
www.stonessoundstudio.com.au

Wattage ratings are RMS where possible and assumes you crossover correctly.  
Bulk prices are available - Please Enquire



#### PAPER CONE & DOMES



#### ROUND FRAME



#### SQUARE FRAME



#### PAPER

## Tweeters

### PIEZO HORN TWEETER

#### NO XOVER REQUIRED

Bullet tweeter for long throw sound reinforcement. Suit PA with instrument speakers.

Piezo element high power capacitive load (measures open circuit) So No Crossover Required



#### HORN TWEETERS

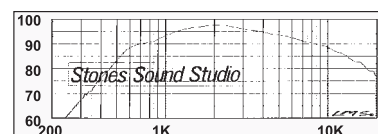
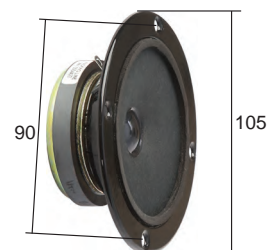
See the following pages



### 3" CONE TWEETER

Ideal Replacement  
15 watts  
8Ω (7.3ΩDC)  
600-16KHz (±6dB)

Code  
CT15

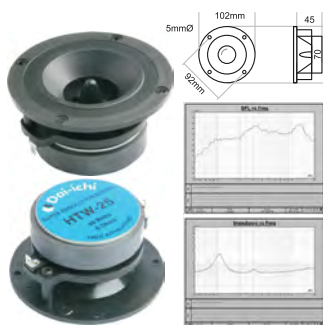


### 1" DOME TWEETER HORN-LOADED

#### HIGH EFFICIENCY DESIGN

Suit efficient multi-array's and/or long-throw applications. Also improves time alignment. 25mm Pure aluminium dome. Design reduces ringing. Doped cloth roll surround. Acoustic damped chamber. Ferro-fluid cooled high power. Plastic fascia. Metal grille.

Re 6Ω  
Sens. 92dB  
Fs 1000Hz  
Freq. 1Khz-20KHz  
Power 50Wrms 50Wp  
Code HTW25

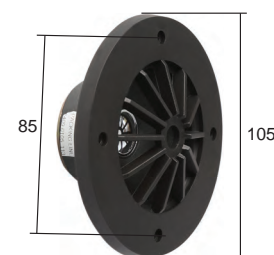


### 2 1/2" CONE TWEETER

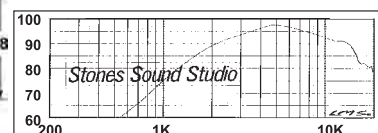
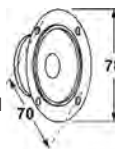
#### Round Black face

2.5" paper cone  
25 watts peak  
8Ω (7.3Ωdc)  
1.5KHz-16KHz  
(±6dB)  
Hole Diam. 60mm

Code  
CT25



Remove the plastic cowl to reveal a bare cone tweeter. Sealed back metal framed round with an O/D of 78mm.



### DOMTWEETER

#### NOT A PIEZO!

This speaker is unique in that it uses a HiFi Dome driver and horn loads it for long throw PA & large room applications. Soft roll-off at high end for reduced harshness and feedback.

Mag. 150g  
Freq. 1KHz-12KHz  
Z 8Ω (7.0Ωdc) 88dB  
Fo 2.2KHz (11Ω)  
Power 40Wrms 80Wp  
Code HT115

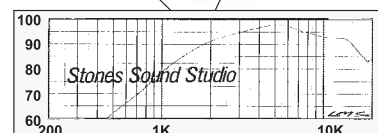


### 2 1/2" CONE TWEETER

#### Square Frame Design

2.5" paper cone 30 watts 8Ω (7.3Ωdc)  
1.3K-18KHz (±6dB)

Code  
CT30











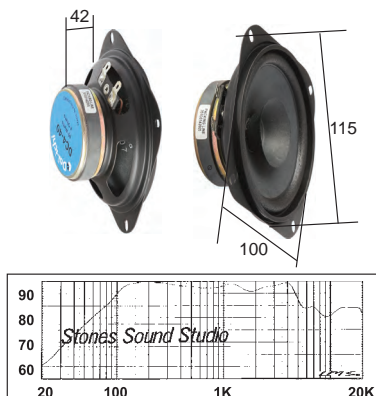
# Audio Speakers & PA

## Wide Range

### 4" DUAL CONE SPEAKER 4Ω

200g magnet Whizzer cone for extended F range Suit applications without a tweeter. Cloth surround. 40Wp-p, 87dB (1W/1M) 4Ω (3.5Ωdc) 70-20KHz (±6dB)

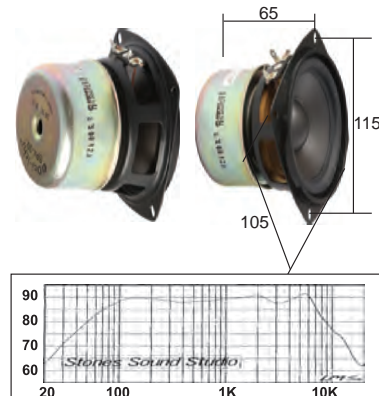
Fo 170Hz  
Qms 2.47  
Qes 1.47  
Qts 0.92  
Vas 1.11L  
Code DC4-40



### 4" MAGNETICALLY SHIELDED

High Quality Polypropylene cone Rubber surround Ideal for home theatre close-to CRT TV, etc. 30Wnom/50Wmax 91dB (1W/1M) 8Ω (6.3Ωdc) 70-7KHz (±3dB) 47-9KHz (±6dB)

Fo 91Hz  
Qms 4.15  
Qes 0.87  
Qts 0.72  
Vas 2.11L  
Code SP4-30



### 4" DUAL CONE SPEAKER 8Ω

200g magnet Whizzer cone for extended F range Suit applications without a tweeter. Cloth surround. 40Wp-p, 87dB (1W/1M) 8Ω (6.9Ωdc) 70-20KHz (±6dB)

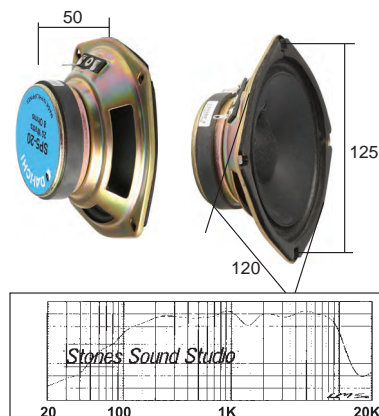
Fo 170Hz  
Qms 2.97  
Qes 1.27  
Qts 0.62  
Vas 1.01L  
Code DC4-41



### 4½" WIDE RANGE SPEAKER

Foam Surround Paper Cone 20Wnom/35Wmax 89dB (1W/1M) 8Ω (7.4Ωdc) 70-10KHz (±6dB)

Fo 126Hz  
Qms 3.13  
Qes 1.03  
Qts 0.78  
Vas 2.41L  
Code SP5-20



### 4" WIDE RANGE SPEAKER 4Ω

Foam Surround High compliance Paper Cone Large Magnet 20Wnom 83dB (1W/1M) 4Ω (3.5Ωdc) 60-10KHz (±6dB)

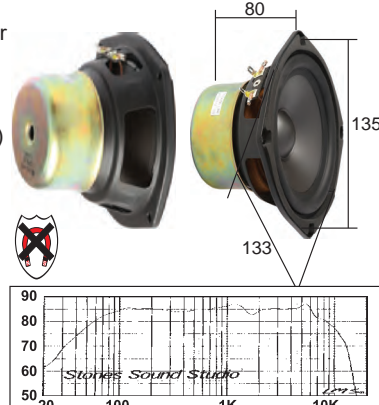
Fo 115Hz  
Qms 3.06  
Qes 1.32  
Qts 0.92  
Vas 1.23L  
Code SP4-24



### 5" MAGNETICALLY SHIELDED

High Quality Polypropylene cone Rubber surround Ideal for home theatre close-to CRT TV, etc. 30Wnom/50Wmax 86dB (1W/1M) 8Ω (6.2Ωdc) 60-8KHz (±3dB) 40-12KHz (±6dB)

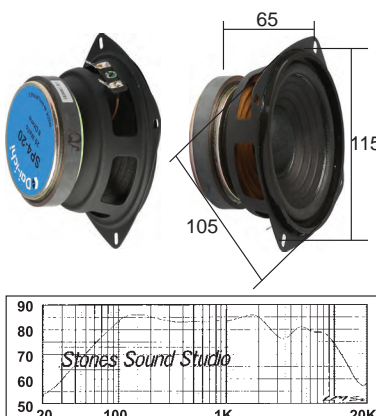
Fo 65Hz  
Qms 4.39  
Qes 0.73  
Qts 0.63  
Vas 7.03L  
Code SP5-30



### 4" WIDE RANGE SPEAKER 8Ω

Foam Surround High compliance Paper Cone Large Magnet 20Wnom/40Wmax 85dB (1W/1M) 8Ω (6.9Ωdc) 45-11KHz (±6dB)

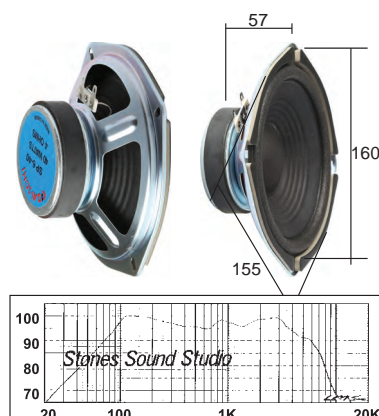
Fo 115Hz  
Qms 3.46  
Qes 0.81  
Qts 0.65  
Vas 1.10L  
Code SP4-20



### 6" WIDE RANGE SPEAKER

Paper cone Silver dust cap General Purpose 40Wnom/60Wmax 90dB (1W/1M) 4Ω (3.8Ωdc) 60-7KHz (±6dB)

Fo 83Hz  
Qms 3.31  
Qes 0.97  
Qts 0.75  
Vas 10.34L  
Code SP6-40





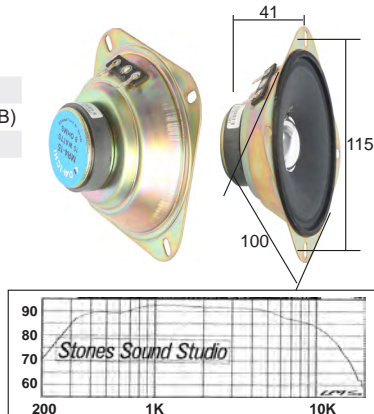


## □ Midrange

### 4" SEALED BACK MIDRANGE

#### SQUARE FRAME

Pmax	15W
Impedance	8Ω (6.8Ωdc)
Freq.	330-6KHz(±3dB)
Sens.	92dB
Code	MR4-15

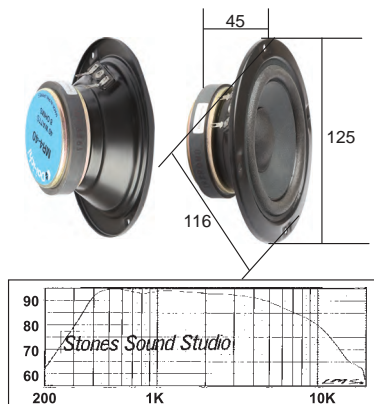


### 4" SEALED BACK MIDRANGE

#### ROUND FRAME

4 inch Above mount black metal frame. Rubber surround High compliance 8Ω (5.9Ωdc) 30 watts 95dB sens' 370-5KHz (±3dB)

Fo	530Hz
Qms	4.21
Qes	2.76
Qts	1.67
Code	MR4-40



### 5" SEALED BACK MIDRANGE

5 inch. Paper cone. General Replacement. 8Ω (7.0Ωdc) 30W rms 450-6.5KHz (±3dB) 91dB sens' 3.6oz mag. Voice 20mm For Higher Power.

Fo	623Hz
Qms	4.12
Qes	3.74
Qts	1.96
Code	MR5-30

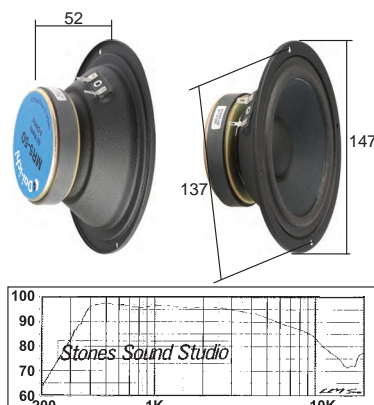


### 5" SEALED BACK MIDRANGE

#### ROUND FRAME

5 inch Above mount black metal frame. Rubber surround High compliance 8Ω (7.0Ωdc) 50W rms 94dB sens' 470-6.5KHz (±3dB)

Fo	620Hz
Qms	4.12
Qes	3.74
Qts	1.96
Code	MR5-50

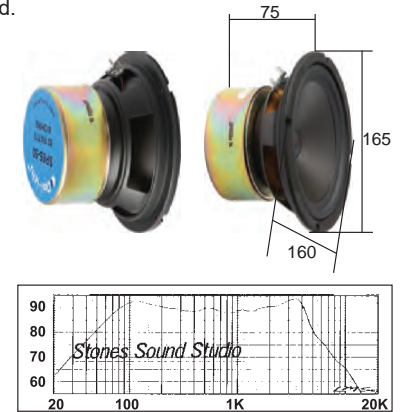


## □ Mid-Woofers

### 6 1/2" MID-WOOFER 50W

Paper Cone. Foam Surround. Magnetically shielded.

Z	8Ω (7.2Ωdc)
Freq.	47-5KHz (±6dB)
Fo	63Hz
Sens.	89dB
Power	50W nom.
Qms	2.54
Qes	0.96
Qts	0.50
Vas	23.73L
Code	SP65-50



### 6 1/2" MID-WOOFER ALLOY FRAME

Super-strong Aluminium basket Optimised doped paper pulp cone Santoprene rubber surround 32mm Aluminium voice coil Open voice coil low compression Ventilated & extended pole piece

Power	70Wrms/140Wmax
SPL	86.9dB
Fs	48.5Hz
Qms	2.089
Qes	0.558
Vas	15.6L
Re	7.6Ω (8Ω)
Code	W6S-52



### 6 1/2" HF/R MID-WOOFER

Paper pulp. Poly doped cone. Beautifully finished driver. Low resonance Rubber surround. Matte black powder coated Steel stamped frame ROUND. Magnetically shielded.

Pnom	25W (50Wmax)
Re	6.4Ω (8Ω 200Hz)
Freq.	60Hz, 60-5KHz
Sens.	90dB
Qms	4.993
Qes	1.140
Vas	17.9L
Code	HFR165-50-8



### 6 1/2" HF/R MID-WOOFER HI-POWER

Paper pulp. Poly doped cone. Beautifully finished driver. Low resonance Rubber surround. Steel stamped frame ROUND. Magnetically shielded.

Pnom	50W (100Wmax)
R	6.4Ω (8Ω 200Hz)
Freq.	60Hz, 60-5KHz
Sens.	90dB
Qms	4.36
Qts	0.71
Qes	0.85
Vas	16.6L
Code	HFR165-100-8







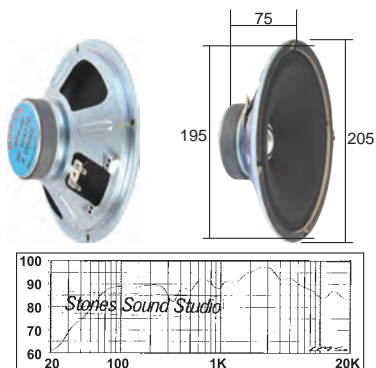
# Audio Speakers & PA

## Woofer

### 8" WIDE RANGE SPEAKER

Classic paper cone wide-range with chrome dust cap.

Freq.	80Hz-9KHz (±10dB)
Fs	55Hz
Re	8Ω 200Hz
Mag.	350g (12.3oz)
Power	20W Nom. 40W Max.
Code	SP8-40

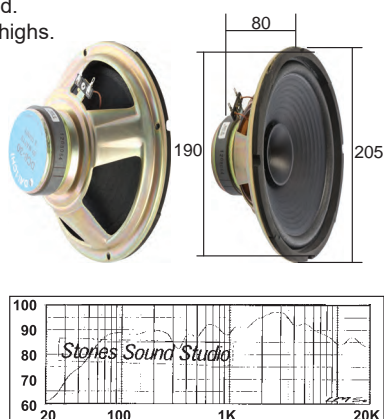


### 8" DUAL CONE SPEAKER

Paper Cone. Foam Surround.

Whizzer cone for extended highs.

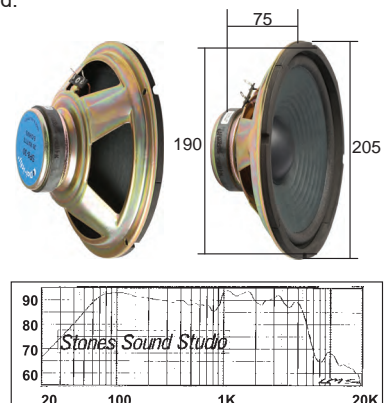
Z	8Ω (7.1Ωdc)
Freq.	50-20KHz (±6dB)
Fo	54Hz
Sens.	91dB
Mag.	8 Oz
Power	30W nom.
Voice	25mm
Qms	2.32
Qes	0.91
Qts	0.65
Vas	47.11L
Zo	24Ω
Sd	0.022M <sup>2</sup>
Code	DC8-30



### 8" WOOFER 30W

Paper Cone. Foam Surround.

Z	8Ω (7.0Ωdc)
Freq.	40-6KHz (±6dB)
Fo	44Hz
Sens.	90dB
Mag.	8 Oz
Voice	25mm
Power	30W nom.
Qms	2.20
Qes	0.80
Qts	0.59
Vas	61.23L
Zo	26.6
Sd	0.022M <sup>2</sup>
Code	SP8-30



### 8" WOOFER HF/R SERIES

Paper pulp. Poly doped cone.

Rivals some more exotic brands.

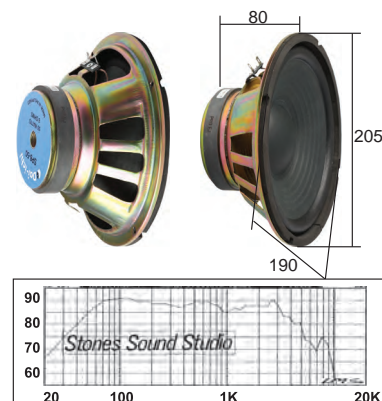
R	8Ω (200Hz) 6.4Ω (dc)
Freq.	42Hz , 42-5KHz
Sens.	88dB
Pnom	50 Watts
Pmax	100 Watts
Code	HFR200-100-8



### 8" WOOFER 50W

Paper Cone. Foam Surround.

Z	8Ω (7.4Ωdc)
Freq.	40-5KHz (±6dB)
Fo	53Hz
Sens.	90dB
Mag.	11 Oz
Voice	38mm
Power	50W nom.
Qms	1.79
Qes	1.26
Qts	0.74
Vas	47.28L
Zo	17Ω
Sd	0.022M <sup>2</sup>
Code	SP8-50



### 8" POLYPROPYLENE WOOFER

Minimum cone break-up at high volume levels.

Heavy duty construction Foam Surround.

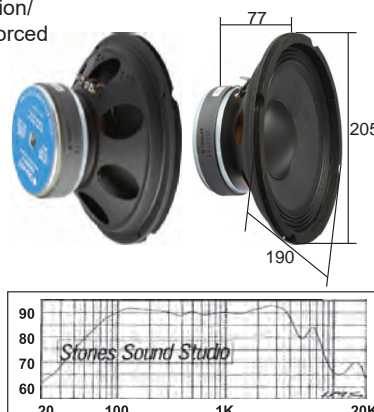
Z	8Ω (6.5Ωdc)
Freq.	30-5KHz (±6dB)
Fo	38Hz
Sens.	88dB
Mag.	20 Oz
Power	100W nom.
Qms	6.75
Qes	0.74
Qts	0.67
Vas	53.10L
Code	SP8-100



### 8" INSTRUMENTAL 100W

Large gauge design Accordion/  
doped cloth surround Reinforced  
cellulose fibre cone.

Z	8Ω (6.1Ωdc)
Freq.	65-4KHz (±3dB)
Fo	95Hz
Sens.	90dB
Mag.	20 Oz
Voice	32mm
Power	200Wmax
Qms	6.55
Qes	1.48
Qts	1.21
Vas	10.2L
Code	IS8000

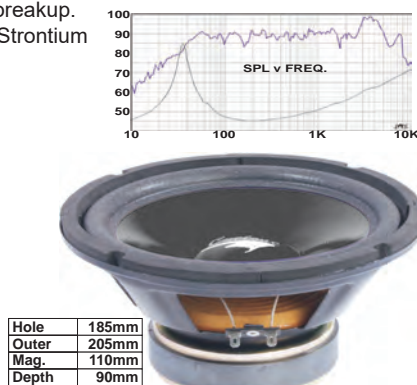


### 8" SUBWOOFER 4Ω DELUXE

Treated pulp cone for extended low  
frequency without cone breakup.

2" Aluminium voice coil. Strontium  
magnet. 80Wrms.

Z	4Ω (3.9Ω)
Freq.	36 - 8KHz (±3dB)
Fo	36Hz
Sens.	88dB
Mag.	110mm 20 Oz
Power	160W max.
Qms	5.45
Qes	0.59
Qts	0.53
Vas	46.1L
Code	CS80





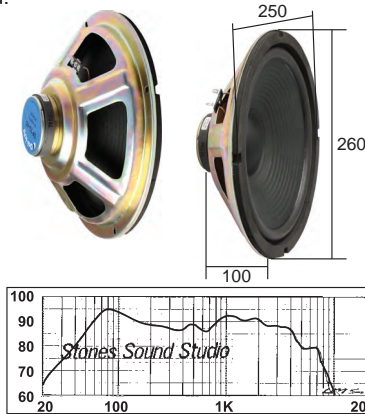


## □ Woofer

### 10" WOOFER 40W

Paper Cone. Foam Surround.

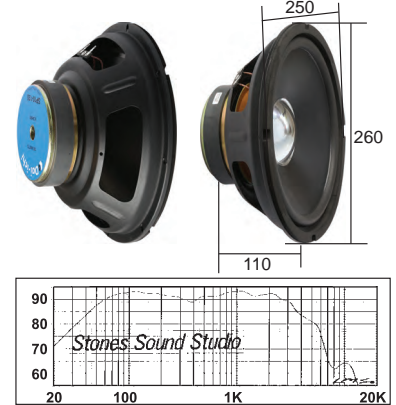
Z	8Ω (7.0Ωdc)
Freq.	44-4KHz (±6dB)
Fo	50Hz
Sens.	89dB
Mag.	8 Oz
Power	40W nom.
Qms	3.32
Qes	1.75
Qts	1.15
Vas	73.02L
Code	SP10-40



### 10" POLYPROPYLENE WOOFER 120W

Minimum cone break-up at high volume levels. Heavy duty construction Foam Surround.

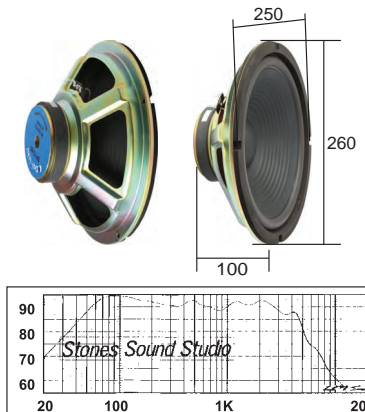
Z	8Ω (6.0Ωdc)
Freq.	33-5KHz (±6dB)
Fo	45Hz
Sens.	93dB
Power	200W max.
Qms	6.65
Qes	0.57
Qts	0.52
Vas	72.68L
Code	SP10-120



### 10" WOOFER 80W

Paper Cone. Foam Surround.

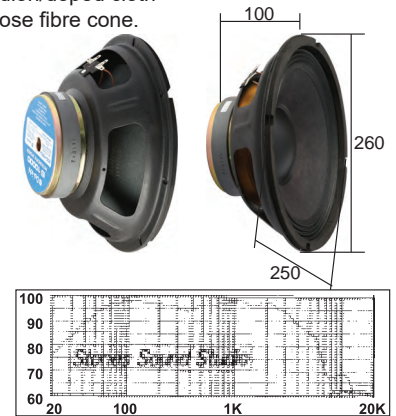
Z	8Ω (7.0Ωdc)
Freq.	40-5KHz (±6dB)
Fo	42Hz
Sens.	89dB
Mag.	13 Oz
Power	80W nom.
Qms	3.23
Qes	3.23
Qts	1.08
Vas	101.62L
Code	SP10-80



### 10" INSTRUMENTAL 200W

Large gauge design Accordion/doped cloth surround Reinforced cellulose fibre cone.

Z	8Ω (5.7Ωdc)
Freq.	33-5KHz
Fo	63Hz
Sens.	94dB
Mag.	30 Oz
Voice	32mm
Power	400Wmax
Qms	4.34
Qes	0.79
Qts	0.67
Vas	50L
Code	IS10000



### 10" SQUARE FRAME WOOFER 40W

Paper Cone. Foam Surround.

Freq.	40-4KHz (±6dB)
Power	8 Oz
Z	8Ω (6.4Ωdc)
Fo	50Hz
Sens.	89dB
Mag.	8 Oz
Qms	4.09
Qes	1.54
Qts	1.12
Vas	58.55L
Code	SQ10-40



### TARGA 10" SUB-WOOFER

High performance paper cone and poly dust cap. Butyl rubber roll surround and oversized spider for extra cone travel. Rear ventilated.

Power	150Wrms 300Wmax
Impedance	4 Ohm
Res.	56.23Hz
Sens.	89dB
Mag.	140x20mm (38oz.)
Size	10"
Qts	0.88
Box	0.8f min.
Code	X100SVC

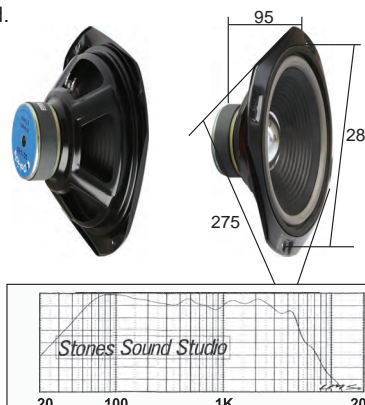
**TARGA**  
AUTOSOUND  
10"  
Hole-Cut = 230mm  
Mounting Holes = 243  
Depth = 138mm



### 10" SQUARE FRAME WOOFER 80W

Paper Cone. Foam Surround.

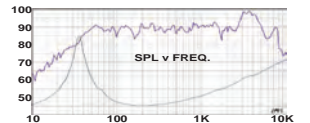
Z	8Ω (6.4Ωdc)
Freq.	40-2KHz (±6dB)
Fo	47Hz
Sens.	90dB
Mag.	13 Oz
Power	80W nom.
Qms	3.46
Qes	1.01
Qts	0.78
Vas	73.47L
Code	SQ10-80



### 10" SUBWOOFER 4Ω DELUXE

Treated pulp cone for extended low frequency without cone breakup. 1.5" Aluminium voice coil. Strontium magnet. 100Wrms.

Z	4Ω (4.0Ω)
Freq.	35 - 6KHz (±3dB)
Fo	34.8Hz
Sens.	89dB
Mag.	140mm 40 Oz
Power	200W max.
Qms	5.07
Qes	0.47
Qts	0.43
Vas	74.9L
Code	CS100



Hole	185mm
Outer	205mm
Mag.	110mm
Depth	90mm





# Audio Speakers & PA

## Woofer

### 12" WOOFER 50W

Paper Cone. Foam Surround.

Z	8Ω (7.4Ωdc)
Freq.	30-4KHz
Fo	32Hz
Sens.	90dB
Mag.	13 Oz
Voice	32mm
Power	50W nom.
Qms	2.22
Qes	1.03
Qts	0.70
Vas	188.33L
Code	SP12-50



### 12" HF/R WOOFER HI-POWER

Paper pulp. Poly doped cone.  
Big performance wide range.  
Low resonance Rubber surround.  
Matte black powder coated Steel stamped frame ROUND. Wide range woofer or Sub.

Re	6.4Ω (8Ω 200Hz)
Pnom	75W (150Wmax)
Freq.	34Hz, 30-3KHz
Sens.	89dB
Qms	4.269
Qes	0.936
Qts	0.768
Vas	85.0L
Code	HFR300-150-8



### 12" WOOFER 100W

Paper Cone.  
Foam Surround.

Z	8Ω (7.2Ωdc)
Freq.	33-4KHz
Fo	32Hz
Sens.	93dB
Mag.	30 Oz
Voice	38mm
Power	100W nom.
Qms	1.42
Qes	0.47
Qts	0.35
Vas	188.56L
Code	SP12-100



### 12" INSTRUMENTAL 250W

Large gauge design Accordion/  
doped cloth surround Reinforced  
cellulose fibre cone.

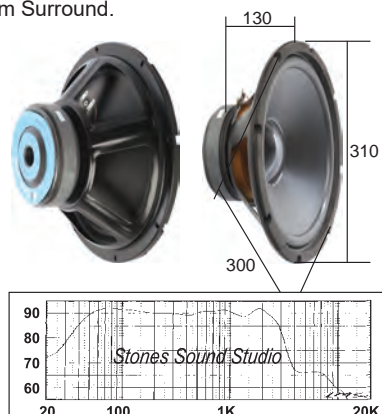
Z	8Ω (5.7Ωdc)
Freq.	32-5KHz
Fo	55Hz
Sens.	95dB
Mag.	50 Oz
Voice	32mm
Power	250W nom.
Qms	5.15
Qes	0.74
Qts	0.65
Vas	88.1L
Code	IS12000



### 12" WOOFER POLYPROPYLENE 150W

Minimum cone break-up at high volume levels.  
Heavy duty construction Foam Surround.

Z	8Ω (6.6Ωdc)
Freq.	30-4KHz (±6dB)
Fo	35Hz
Sens.	94dB
Mag.	40 Oz
Power	150W nom.
Qms	3.18
Qes	0.44
Qts	0.38
Vas	157.45L
Code	SP12-150



### TARGA 12" SUB-WOOFER

High performance Heavy Duty Sub.  
Solid die cast alloy basket frame.  
Gold-plated 4mm binding posts.  
Large over-sized magnet.

Power	400Wmax
Impedance	4 Ohm
Res.	68.41Hz
Sens.	90dB
Mag.	156x20mm
Size	12"
Qts	1.003
Box	1.0F min.
Code	X120SVC

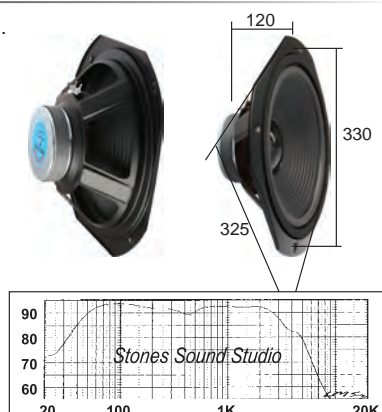
**TARGA**  
AUTOSOUND



### 12" SQUARE FRAME WOOFER 100W

Paper Cone. Foam Surround.

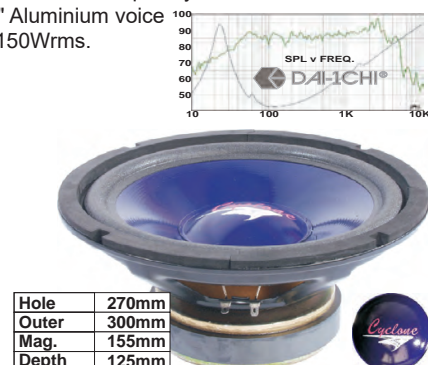
Z	8Ω (6.6Ωdc)
Freq.	33-5KHz
Fo	35Hz
Sens.	94dB
Mag.	30 Oz
Voice	38mm
Power	100W nom.
Qms	1.92
Qes	0.52
Qts	0.41
Vas	184.28L
Code	SQ12-100



### 12" SUBWOOFER 4Ω DELUXE

Poly' doped cone for extended low frequency  
without cone breakup. 2" Aluminium voice  
coil. Strontium magnet. 150Wrms.

Z	4Ω (4.7Ω)
Freq.	25 - 5KHz (±3dB)
Fo	25.0Hz
Sens.	91dB
Mag.	155mm 50 Oz
Power	300W max.
Qms	5.46
Qes	0.35
Qts	0.33
Vas	202.7L
Code	CS120







## Woofer

### 15" WOOFER 150W

Suit power hungry HiFi or moderate PA/Guitar, etc. High compliance (304uM/N) Paper Cone. Foam Surround.

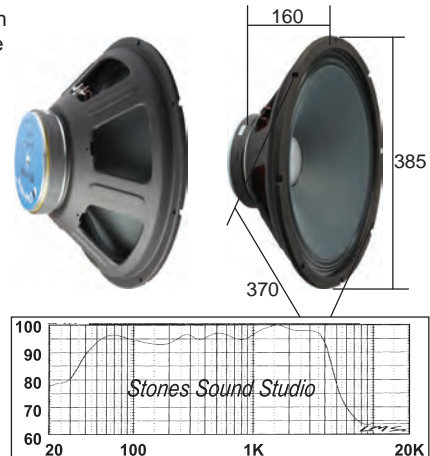
Z	8Ω (7.2Ωdc)
Freq.	27-4KHz
Fo	32Hz
Sens.	94dB
Mag.	50 Oz
Voice	50mm
Power	150W nom.
Qms	2.01
Qes	0.53
Qts	0.42
Vas	265.20L
Code	SP15-150



### 15" INSTRUMENTAL

Strengthened suspension long throw system for the rugged use in PA sound reinforcement.

Z	8Ω (7.2Ωdc)
Freq.	33-4KHz
Fo	45Hz
Sens.	95dB
Mag.	50 Oz
Voice	50mm
Power	150W nom.
Qms	3.18
Qes	0.83
Qts	0.65
Vas	207.75L
Code	IS15-150



### TARGA 15" SUB-WOOFER

High performance paper cone and poly dust cap. Solid die cast alloy basket frame. Premium build quality for automotive or home audio subwoofer applications. Suit sealed or vented boxes.

Power	250Wrms, 500Wmax
Impedance	4 Ohm
Re	59.5Hz
Sens.	90dB
Qts	1.339
Size	15"
Box Size	1.4F min
Mag.	156x20mm
Code	X150SVC



**TARGA AUTOSOUND**  
Hole-Cut = 360mm  
Mounting Holes = 372  
Depth = 175mm

### BLACK DRESS SPEAKER SCREWS

#### 3mm ALLEN HEX

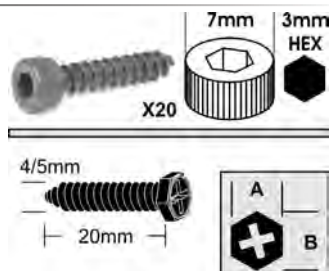
Size	Code	for 20
4mm	AS420-20	\$2.05

#### 7mm PHILLIPS/HEX

Size	Code	for 20
8G x 20mm	STS7B	\$2.05

#### 8mm PHILLIPS/HEX

Size	Code	for 20
10G x 25mm	STS8B	\$2.50



## Speaker Components

### REAR BAFFLE

Rear baffle for enclosing car audio 6x9" speakers. Can be used for other mid-range type applications in your speaker building. Sold in pairs.

210x175x90mm(Deep)

Code  
AP6900



### AERPRO-LIGHTNING SUBWOOFER GRILLES

#### GUN-METAL GREY

Metallic gloss finish Made from plastic Unique Lightning Style suits the Aerpro APH Series

Size	Code
10"	ACG10
12"	ACG12



### SPEAKER GRILLES

Strong metal construction and universal mounting system for protecting valuable speaker cones from accidental puncture.

Size	Code
8"	MG80
10"	MG100
12"	MG120
15"	MG150



### CEILING/WALL MOUNT

White frame & grille 1  
Piece plastic.  
Suit DC8-30, etc.

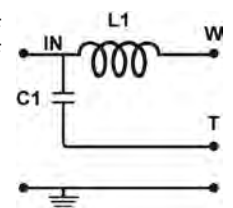
Size	Code
8"	CSG8
4"	CSG4

### 6dB CROSSOVER VALUES

Courtesy Stones Sound Studio

Pick your desired crossover point, within the over-lap frequency response of the two drivers, this is the -3dB value. Read off the four component values, components within 10% will be fine.

	L-4Ω	C-4Ω	L-8Ω	C-8Ω
130Hz	4.7mH	300uF	10mH	150uF
200Hz	3.3mH	200uF	6.8mH	100uF
260Hz	2.4mH	150uF	4.7mH	75uF
400Hz	1.6mH	100uF	3.3mH	50uF
600Hz	1.0mH	68uF	2.0mH	33uF
800Hz	.82mH	50uF	1.6mH	26uF
1000Hz	.62mH	39uF	1.2mH	20uF
1200Hz	.51mH	33uF	1.0mH	16uF
1800Hz	.33mH	22uF	.68mH	10uF
4000Hz	.16mH	10uF	.33mH	5uF

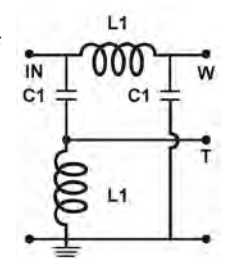


### 12dB CROSSOVER VALUES

Courtesy Stones Sound Studio

A 12dB crossover gives better filtering, at the expense of more components. Benefits include better sound as drivers are sharing less spectrum, improved power handling & protection and in-phase driver response at fx.

	L-4Ω	C-4Ω	L-8Ω	C-8Ω
130Hz	6.8mH	200uF	15mH	100uF
200Hz	4.7mH	150uF	9.1mH	75uF
260Hz	3.6mH	100uF	6.8mH	50uF
400Hz	2.2mH	68uF	4.7mH	33uF
600Hz	1.5mH	47uF	3.0mH	22uF
800Hz	1.0mH	33uF	2.0mH	15uF
1000Hz	.91mH	27uF	1.8mH	13uF
1200Hz	.75mH	22uF	1.5mH	11uF
1800Hz	.50mH	15uF	1.0mH	6.8uF
4000Hz	.22mH	6.8uF	.47mH	3.3uF







# Audio Speakers & PA

□ Speaker Drivers HiFi

□ Daichi High Fidelity Series

## DAICHI HIGH FIDELITY SERIES SPEAKERS

STAMPED STEEL FRAME  
PAPER PULP DOPED CONE  
RUBBER ROLL SURROUND  
MAGNETICALLY SHIELDED\*  
ADVANCED ACOUSTICS



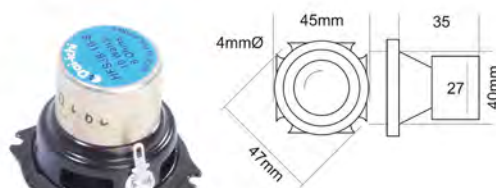
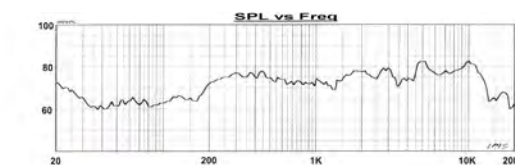
High performance and beautiful sounding drivers from Daichi. Sturdy build quality in a compact package for today's demanding audio requirements. Excellent solution for repair or design of high grade, yet space efficient audio with home theatre or music in compact installations.

\*8" Drivers and above are not magnetically shielded

### 1 1/2" HF/S MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp cone & dust cap. Magnetically shielded. Cloth doped surround. Remarkable sound from such a compact driver. Down to 200Hz! Amazing.

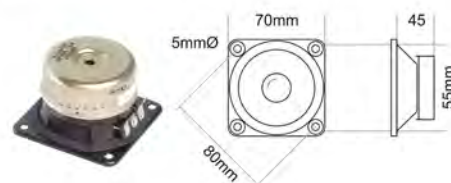
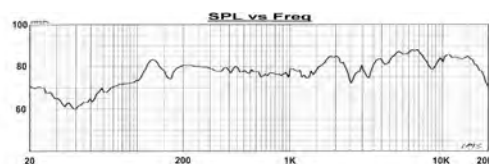
R	8Ω (670Hz) 6.4Ω (dc)
Freq.	325Hz , 200-12KHz
Sens.	85dB
Pnom	5 Watts
Pmax	10 Watts
Code	HFS38-10-8



### 2 1/2" HF/S MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp cone full range. Large exertion design 88dB! Rubber surround. All black. Steel stamped frame square. Magnetically shielded. Impressive 135Hz to 15KHz+

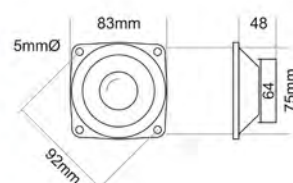
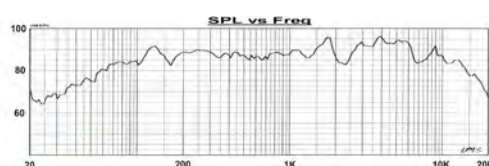
R	8Ω (200Hz) 6.4Ω (dc)
Freq.	135Hz , 135-15KHz
Sens.	88dB
Pnom	8 Watts
Pmax	15 Watts
Code	HFS64-15-8



### 3" HF/S MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp cone full range. Large exertion design 88dB! Rubber surround. All black. Steel stamped frame square. Magnetically shielded. Wide range 129Hz to 10KHz+

R	8Ω (60Hz) 6.4Ω (dc)
Freq.	129Hz , 129-10KHz
Sens.	88dB
Pnom	8 Watts
Pmax	15 Watts
Code	HFS76-15-8







## 3 1/2" HF/S MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Large exertion design  
88dB! Rubber surround. All black.  
Steel stamped frame square.  
Magnetically shielded.  
Excellent 100Hz to 12KHz+

R	8Ω (60Hz) 6.4Ω (dc)
Freq.	107Hz , 100-12KHz
Sens.	88dB
Pnom	8 Watts
Pmax	15 Watts
Code	HFS89-15-8



## 4" HF/R MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Large exertion design 88dB!  
Rubber surround. All black.  
Steel stamped frame ROUND.  
Magnetically shielded. Use as  
a mid or mid-woofer.

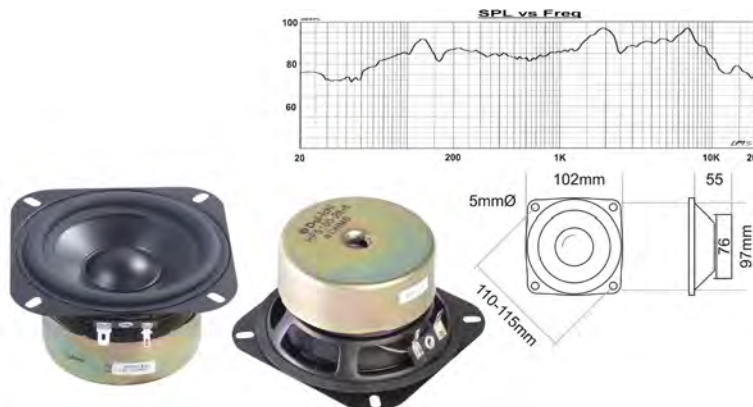
R	8Ω (200Hz) 6.4Ω (dc)
Freq.	130Hz , 75-10KHz
Sens.	88dB
Pnom	12 Watts
Pmax	25 Watts
Code	HFR100-25-8



## 4" HF/S MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Large exertion design 88dB!  
Rubber surround. All black.  
Steel stamped frame square.  
Magnetically shielded. Use as  
a mid or mid-woofer.

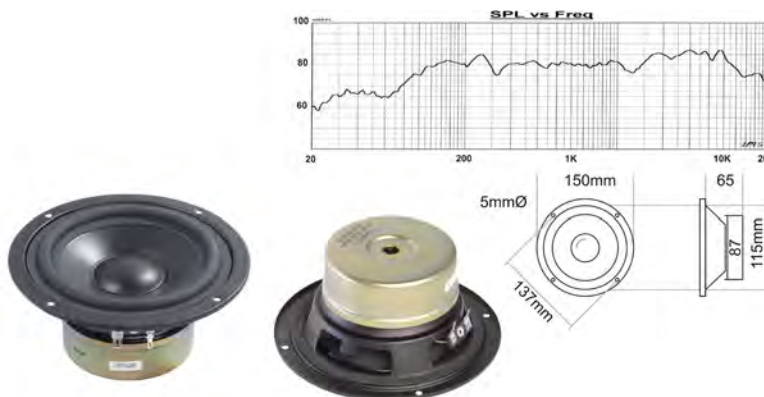
R	8Ω (200Hz) 6.4Ω (dc)
Freq.	130Hz , 75-10KHz
Sens.	88dB
Pnom	12 Watts
Pmax	25 Watts
Code	HFS100-25-8



## 5 1/4" HF/R MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Suit Sealed or ported enclosure.  
Use as a Woofer or mid-range.  
Low resonance Rubber surround.  
Matte black powder coated steel.  
Magnetically shielded.

Re	6.4Ω (8Ω 200Hz)
Freq.	75Hz , 50-5KHz
Sens.	89dB
Pnom	15W (30Wmax)
Qms	4.925
Qts	0.903
Qes	1.105
Vas	6.32L
Code	HFR125-30-8





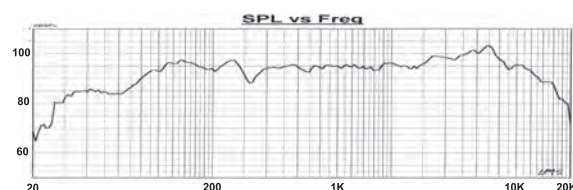


# Audio Speakers & PA

## 6½" HF/R MID-WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Beautifully finished driver. Low  
resonance Rubber surround.  
Matte black powder coated  
Steel stamped frame ROUND.  
Magnetically shielded.

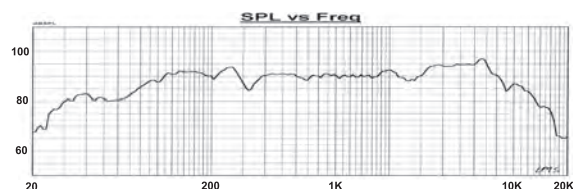
Re	6.4Ω (8Ω 200Hz)
Freq.	60Hz , 60-5KHz
Sens.	90dB
Pnom	25W (50Wmax)
Qms	4.993
Qts	1.099
Qes	1.140
Vas	17.9L
Code	HFR165-50-8



## 6½" HF/R MID-WOOFER HI-POWER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone. Beautifully finished driver. Low  
resonance Rubber surround. Matte black powder coated Steel  
stamped frame ROUND. Magnetically shielded.

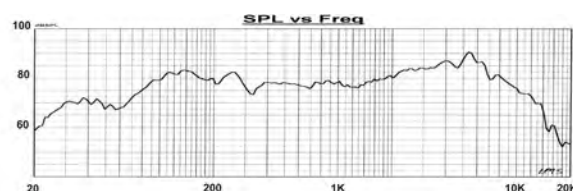
R	6.4Ω (8Ω 200Hz)
Freq.	60Hz , 60-5KHz
Sens.	90dB
Pnom	50W (100Wmax)
Qms	4.36
Qts	0.71
Qes	0.85
Vas	16.6L
Code	HFR165-100-8



## 8" HF/R WOOFER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Similar to some European drivers.  
Low resonance Rubber surround.  
Matte black powder coated Steel  
stamped frame ROUND. Suit  
wide range 2 way system.

R	8Ω (200Hz) 6.4Ω (dc)
Freq.	46Hz , 46-5KHz
Sens.	88dB
Pnom	25 Watts
Pmax	50 Watts
Code	HFR200-50-8







## 8" HF/R WOOFER HI-POWER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Rivals some more exotic brands.  
Low resonance Rubber surround.  
Matte black powder coated Steel  
stamped frame ROUND. High  
power oversized magnet.

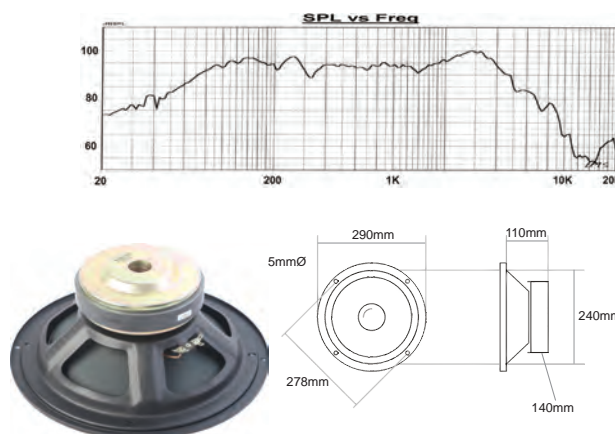
R	8Ω (200Hz) 6.4Ω (dc)
Freq.	42Hz , 42-5KHz
Sens.	88dB
Pnom	50 Watts
Pmax	100 Watts
Code	HFR200-100-8



## 10" HF/R WOOFER HI-POWER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Suit 2 or 3 way wide range. Low  
resonance Rubber surround.  
Matte black powder coated Steel  
stamped frame ROUND. High  
power oversized magnet.

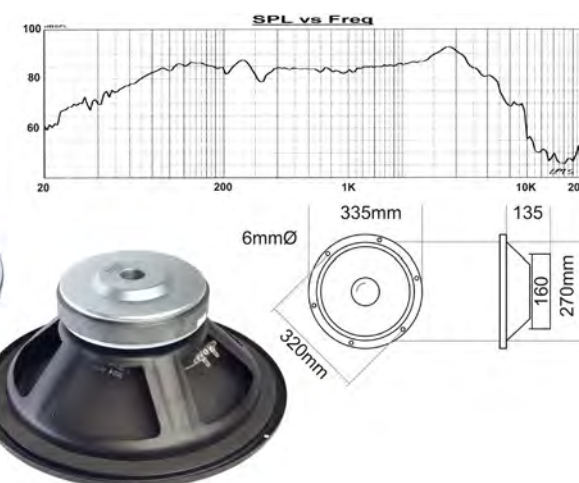
Re	6.4Ω (8Ω 200Hz)
Freq.	46Hz , 35-3KHz
Sens.	88dB
Pnom	75W (150Wmax)
Qms	4.20
Qts	0.684
Qes	0.817
Vas	49.5L
Code	HFR250-150-8



## 12" HF/R WOOFER HI-POWER - DAICHI HIGH FIDELITY SERIES

Paper pulp. Poly doped cone.  
Big performance wide range.  
Low resonance Rubber surround.  
Matte black powder coated Steel  
stamped frame ROUND. Wide  
range woofer or Sub.

Re	6.4Ω (8Ω 200Hz)
Freq.	34Hz , 30-3KHz
Sens.	89dB
Pnom	75W (150Wmax)
Qms	4.269
Qts	0.768
Qes	0.936
Vas	85.0L
Code	HFR300-150-8







# Audio Speakers & PA

## □ Daichi Super Resolution Series

ALUMINIUM FRAME BASKET  
PAPER PULP DOPED CONE  
RUBBER ROLL SURROUND  
OPEN AIR VOICE COIL  
VENTILATED POLE PIECE



### EUROPEAN STYLE DRIVERS

This new generation of drivers show that premium audio is no longer the exclusive to European manufacturers. Improved quality control procedures Advancements in construction materials Available technologies and techniques Remarkable acoustics are now affordable to mainstream replacement applications now quite worthy of your consideration Daichi SRS. Made in the Philippines.

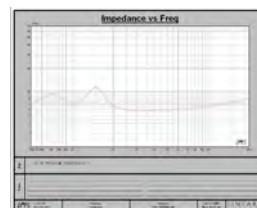
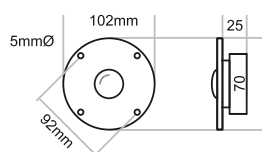


## 1" DOME TWEETER - DAICHI SUPER RESOLUTION SERIES

### 102mm FASCIA W/ GRILLE

25mm Pure aluminium dome cap extends high frequencies. Bright and clear high-end. Design reduces any ringing. Doped cloth roll surround. Tuned Acoustic damped chamber. Most resonances are moved to below the crossover point. Ferro fluid cooled high power. Plastic fascia. Metal grille.

Re	6Ω
Fs	1400Hz
Freq.	1.4Khz-20KHz
Power	25Wrms/60Wpeak
Code	DTSR25

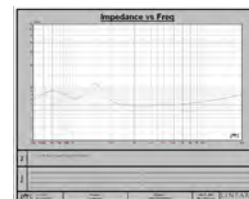
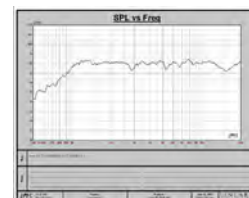
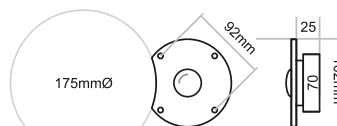


## 1" DOME TWEETER CUT - DAICHI SUPER RESOLUTION SERIES

### CONTIGUOUS TO 6½"

Cut arc diameter suits most 6.5" 165mm driver frames O/D. 25mm Pure aluminium dome cap. Bright and clear high-end. Low-resonance design. Doped cloth roll surround. Tuned Acoustic damped chamber. Ferro fluid cooled high power. Plastic fascia. Metal grille.

Re	6Ω
Sens.	90dB
Fs	1400Hz
Freq.	1.4Khz-20KHz
Power	25Wrms 50Wp
Code	DTSC25

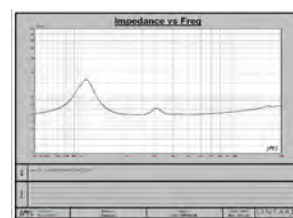
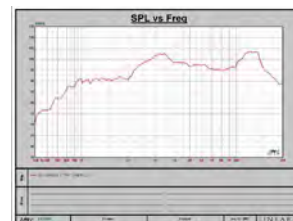
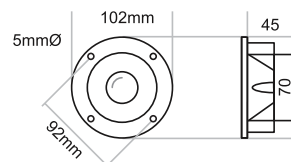


## 1" DOME TWEETER HORN-LOADED - DAICHI SUPER RESOLUTION SERIES

### HIGH EFFICIENCY DESIGN

Suit efficient multi-array's and/or long-throw applications. Also improves time alignment by 25mm (Depth). Pure aluminium dome design for extended highs with Doped cloth roll surround that reduces any ringing and an acoustic damped chamber for accurate tuning. Ferro fluid cooled high power. aluminium voice coil.

Re	6Ω
Sens.	92dB
Fs	1000Hz
Freq.	1Khz-20KHz
Power	50Wrms 50Wp
Code	HTW25





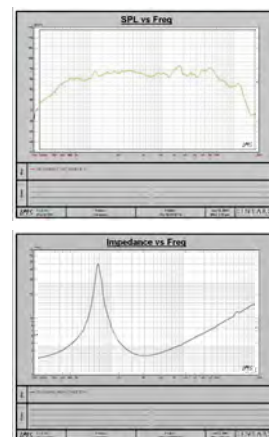


## 4" WOOFER - DAICHI SUPER RESOLUTION SERIES

### ALLOY FRAME & HIGH POWER

Aerodynamic Aluminium basket.  
Polypropylene cone & cap. Santoprene rubber surround 1" Aluminium voice coil.  
Open voice coil ventilation. Ventilated centre pole piece.

Fs	70Hz
Re	6.2Ω (8Ω)
SPL	86dB
Qms	18.61
Qes	0.380
Qts	0.373
Vas	2.189L
Power	40Wrms/80Wmax
Code	AW4-30

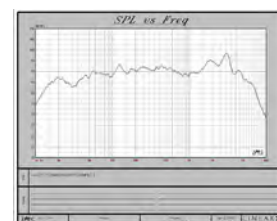


## 6 1/2" WOOFER - DAICHI SUPER RESOLUTION SERIES

### ALLOY FRAME & HIGH POWER

Super-strong Aluminium basket. Optimised doped paper pulp cone.  
Santoprene rubber surround. 32mm Aluminium voice coil. Open voice coil low compression. Ventilated & extended pole piece.

Re	7.6Ω (8Ω)
Fs	48.5Hz
SPL	86.9dB
Qms	2.089
Qes	0.558
Vas	15.6L
Code	W6S-52



## 8" WOOFER - DAICHI SUPER RESOLUTION SERIES

### ALLOY FRAME & HIGH POWER

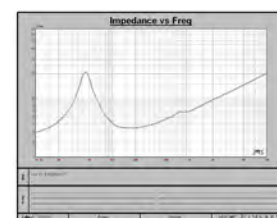
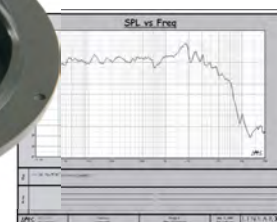
Super-strong Aluminium basket. Optimised doped paper pulp cone.  
Santoprene rubber surround. 32mm Aluminium voice coil. Open voice coil for low compression. Ventilated & extended pole piece.

#### 4 OHM

Fs	43.0Hz
Re	3.80Ω
SPL	87.5dB
Qms	2.551
Qes	0.673
Vas	31.01L
Power	70Wrms/140Wmax
Code	W8S-50

#### 8 OHM

Fs	43.0Hz
Re	7.60Ω
SPL	87.5dB
Qms	2.551
Qes	0.673
Vas	31.01L
Power	70Wrms/140Wmax
Code	W8S-52







# Audio Speakers & PA

## □ Horn Tweeters

### BULLET HORN 3 1/4"

#### 22mmØ PIEZO 50Wrms KSN1005A REPLACEMENT

Piezo horn loaded tweeter.  
Replacement for KSN1005A  
22mm Ceramic Piezo 50Wrms  
60mm deep Exponential horn.

Size	80x80mm
Power	75Wmax
Sens.	94dB
Freq.	4KHz-27KHz
Code	PZ1005



Piezo element  
high power so no  
crossover required

### BULLET HORN 4"

#### CERAMIC PIEZO 100W 100mm

Piezo horn loaded tweeter.  
80mm square facia  
Ceramic Piezo 100W  
55mm deep Exponential horn.

Size	100x100mm
Power	100Wmax
Freq.	2KHz-25KHz
Sens.	92dB
Code	HT100A



### BULLET HORN 4 1/2"

#### 22mmØ PIEZO 200Wrms KSN1165 REPLACEMENT

Piezo horn loaded tweeter.  
Replacement for KSN1165  
22mm Ceramic Piezo 200Wrms  
75mm deep Exponential horn.

Size	110x110mm
Power	400Wmax
Sens.	92dB
Freq.	1.8KHz-30KHz
Code	PZ1165



### DOME HORN 4 1/2" HIFI\*

#### DYNAMIC\* DOME 25mm 6Ω

Ferro fluid. Aluminium Dome  
Doped Cloth Surround  
\*Note: Requires cross-over

Size	100mm²
Power	50Wrms 50Wp
Sens.	92dB
Freq.	1KHz-20KHz
Impedance	6Ω
Code	HTW25



### 5" HORN

#### 22mmØ PIEZO 50Wrms KSN1016A REPLACEMENT

Piezo horn loaded tweeter.  
Replacement for KSN1016A  
22mm Ceramic Piezo 50Wrms  
50mm deep Exponential horn.

Size	146x70mm
Power	75Wmax
Sens.	92dB
Freq.	3KHz-40KHz
Code	PZ1016



### 6" HORN

#### 22mmØ PIEZO 50Wrms KSN1025 REPLACEMENT

Piezo horn loaded tweeter.  
Replacement for KSN1025  
22mm Ceramic Piezo 50Wrms  
100mm deep Exponential horn.

Size	50x150mm
Power	75Wmax
Sens.	90dB
Freq.	1.8KHz-30KHz
Code	PZ1025



### 10" HORN HIFI\*

#### DYNAMIC\* SPEAKER CONE

Replacement for common CTS 10"  
25mm Voice Coil. 600g Magnet.  
210mm deep Exponential horn.  
\*Note: Requires cross-over.

Size	110x270mm
Power	200Wmax
Sens.	102dB
Freq.	1KHz-15KHz
Impedance	8Ω
Code	HT1127



### 7" HORN HIFI\*

#### DYNAMIC DOME 25mm 8Ω

Soft roll-off high end response.  
Poly woven soft dome 8Ω  
\*Note: Requires Cross-over

Size	170x65mm
Power	40Wrms 80Wp
Sens.	88dB
Freq.	1KHz-12KHz
Impedance	8Ω
Code	HT115



### BULLET HORN DRIVER

#### KSN1142A REPLACEMENT - REQUIRES HORN

Drop-In replacement for KSN1142A  
Suits Motorola CTS 10" and 15" Horns.  
35mm 1-3/8" 18-TPI Threaded  
Piezo coupled paper cone  
Popular PA tweeter

Size	35mm
Power	400Wmax
Sens.	92dB
Freq.	1.8KHz-30KHz
Type	Replacement Original
Code	PZ1142 KSN1142



### BULLET HORN DRIVER MID

#### MID-RANGE PIEZO DRIVER - REQUIRES HORN

Drop-In replacement for KSN1188/A driver  
22mm piezo ceramic coupled 3" paper cone.  
Suits Motorola CTS 10" and 15" Horns.  
35mm 1-3/8" 18-TPI Threaded  
Larger cone area for  
upper-mids. 10cm

Size	18-TPI
Power	400Wmax
Sens.	93dB
Freq.	800Hz-20KHz
Code	PZ1188



### HORN BODY ONLY

#### 10" & 15" - REQUIRES DRIVER

Req. 1142 / 1188 bullet drivers.  
Molded plastic w/ metal thread.  
35mm 1-3/8" 18-TPI Threaded.

Type	10"	15"
Size	265x110x117mm	385x130x145mm
OEM	KSN1151	KSN1196
Code	HT1151	HT1196





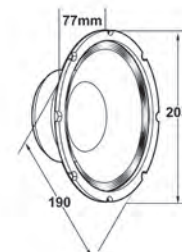
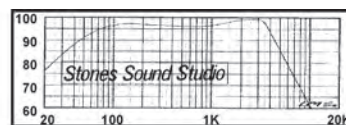


## □ Instrument PA

### INSTRUMENTAL 8" 100W

Heavy Duty Daichi Speaker. Large gauge design Accordion/doped cloth surround Reinforced cellulose fibre cone.

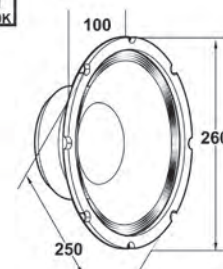
Z	8Ω (6.1Ωdc)
Freq.	65-4KHz (±3dB)
Fo	95Hz
Sens.	90dB
Mag.	20 Oz
Voice	32mm
Power	200Wmax
Qms	6.55
Qes	1.48
Qts	1.21
Vas	10.2L
Code	IS8000



### INSTRUMENTAL 10" 200W

Heavy Duty Daichi Speaker. Large gauge design Accordion/doped cloth surround Reinforced cellulose fibre cone.

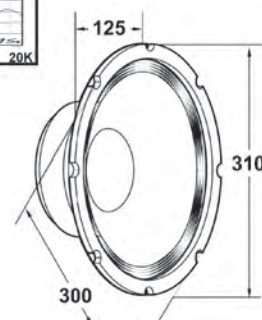
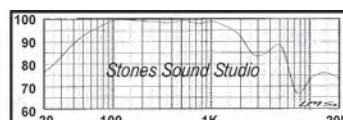
Z	8Ω (5.7Ωdc)
Freq.	33-5KHz
Fo	63Hz
Sens.	94dB
Mag.	30 Oz
Voice	32mm
Power	400Wmax
Qms	4.34
Qes	0.79
Qts	0.67
Vas	50L
Code	IS10000



### INSTRUMENTAL 12" 250W

Heavy Duty Daichi Speaker. Large gauge design Accordion/doped cloth surround Reinforced cellulose fibre cone. 500W max.

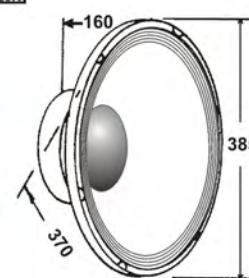
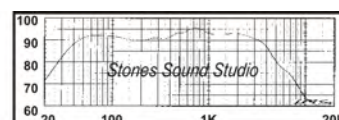
Z	8Ω (5.7Ωdc)
Freq.	32-5KHz
Fo	55Hz
Sens.	95dB
Mag.	50 Oz
Voice	32mm
Power	250W nom.
Qms	5.15
Qes	0.74
Qts	0.65
Vas	88.1L
Code	IS12000



### INSTRUMENTAL 15" 150W

Heavy Duty Daichi Speaker. Strengthened suspension long throw system for the rugged use in PA sound reinforcement. 300W max.

Z	8Ω (7.2Ωdc)
Freq.	33-4KHz
Fo	45Hz
Sens.	95dB
Mag.	50 Oz
Voice	50mm
Power	150W nom.
Qms	3.18
Qes	0.83
Qts	0.65
Vas	207.75L
Code	IS15-150







# Audio Speakers & PA

□ Speaker Drivers Audiophile

□ Dayton Audio

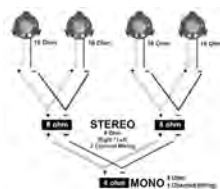
## DAYTON TACTILE TRANSDUCER - MINI BASS SHAKER

### DAYTON AUDIO PUCK™

This mini bass shaker has the unique ability to transfer low frequency sound waves directly to the listener by mounting the PUCK™ to surface areas that a listener's body will come into contact with. Not actually designed to shake your world but actually, because the listener "feels" the low frequency, the listener perceives loudness and the volume of the overall sound can be kept to a minimum without sacrificing the audio experience. 16Ω for parallel wiring multiple drivers.

- Quality construction
- Economically priced
- Many applications
- Feel the bass!
- Mini Bass Shaker

Freq.	20 - 80Hz
Fs	40Hz
Power	30W max
Rms	15W
Diam.	89mm
Height	25mm
Impedance	8Ω      16Ω
Code	TT25-8    TT25-16



<http://www.daytonaudio.com/index.php/tt25-16-puck-tactile-transducer-mini-bass-shaker.html>

## DAYTON SOUND EXCITER PAIR 5W

### PUCK TACTILE MINI FULL-RANGE PAIR

Dayton Audio DAEX25 Sound Exciters turn virtually any solid object into a speaker by vibrating it. Frequency response is full-range (20Hz-20KHz) but depends on the material it is attached to. Test the limits of your imagination.

- Turn any solid surface into a great sounding speaker system
- Create a completely hidden surround sound system
- 3M adhesive pads for secure and fast placement
- Wideband frequency response (dependent on attached material)

Freq.	20 - 20KHz
Impedance	8Ω
Rms	5W
Pmax	10W
Diam.	89mm
Height	19mm
Code	DAEX25



<http://www.daytonaudio.com/index.php/daex25-sound-exciter-pair.html>

## DAYTON SOUND EXCITER 50W

### CREATE HIDDEN FULL-RANGE SOUND IN DOORS OR OUT DOORS

Compact and versatile, this full range Sound Exciter Transducer lets you create high-quality 'hidden speakers' in walls, ceilings, floors, furniture, virtually any surface you can think of resulting in great invisible sound. Weather-proof for in door or out door.

- Coarse-threaded mounting stud for single-point mounting into almost any material
- Rugged plastic housing with rubberized coating 45x100mmØ 1Kg
- Hermetically-sealed design for installation in wet or humid environments

Freq.	40 - 15KHz
Impedance	8Ω
Rms	50W
Pmax	100W
Diam.	101mm
Height	44mm
Code	HDN8



<http://www.daytonaudio.com/index.php/hdn-8-weatherproof-sound-exciter-transducer.html>

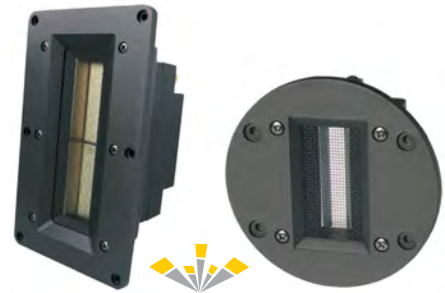




## □ Ribbon Tweeters Fountek

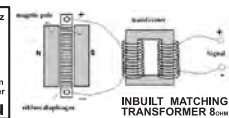
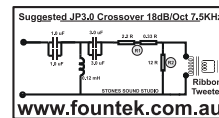
### FOUNTEK RIBBON TRANSDUCERS - SOLD IN MATCHED PAIRS

Fundamental physics support the ribbon as an ideal type of transducer. A thin, light metal ribbon is suspended in a powerful magnetic field. The signal current passes directly through this ribbon effecting the field thus the electromagnetic circuit has complete control over ribbons motion. The ribbon itself projects the sound faithfully and instantaneously. Every part of the ribbon is driven directly and simultaneously without any energy storage or mechanical restriction or material influences, so the output sound will always perfectly replicate the input signal. With maximum speed of transient response, start and stop is instantaneous. This maintains the leading edge of musical sounds and their harmonics. Extremely low intermodulation and harmonic distortion due to low mass. Capable of the highest efficiency known in direct radiator transducers. Extremely wide, flat frequency response (1KHz through to 100KHz.) A flat impedance in usable frequency range for easy to design X-over CCTs. For the purists who want a genuine 9µm ribbon we stock the original JP3.0 The Neo Series uses new technology with its 20µm Enforced Sandwich Ribbon. with extra strength & reliability, no oxidation, & controlled dampening.



#### INSTALLERS WARNING - READ ME !

**RIBBON TWEETERS ARE IMMEDIATELY DAMAGED BY DC ! DO NOT CONNECT DIRECTLY TO AN AMPLIFIER SOURCE WITHOUT A DC-BLOCKING HIGH-PASS CROSSOVER DAMAGE RESULTING FROM DC IS NOT COVERED BY WARRANTY ITEMS PURCHASED AT CUSTOMER RISK. EXPERIENCE REQUIRED Visit [www.fountek.com.au](http://www.fountek.com.au) for further information.**

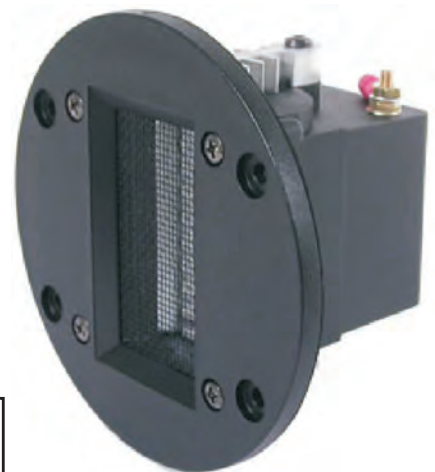


### FOUNTEK JP3.0 RIBBON TWEETERS - SOLD IN MATCHED PAIRS

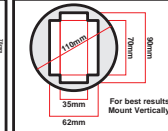
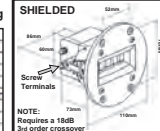
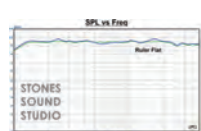
#### 110mm ROUND TRADITIONAL AUDIOPHILE RIBBON IN MATCHED PAIRS

Experiencing the best smooth, tight and detailed sound is now affordable. Extremely thin Pure Aluminium 0.009mm Traditional Ribbon Diaphragm. Incredibly flat impedance for easy crossover design & driver matching. Highest degree of signal fidelity with very broad frequency response. Very competitively priced for this level of refined audio technology. Upgrade to the ultra high frequency response of todays audio equipment! SSS recommends a crossover f' of 4.5KHz (2.5KHz min) with -18dB filter. Ribbon material is Pure Aluminium, mass 11mg, 8x66x0.009mm 528mm² Impedance 7 Ohm, DC 0.02 ohm [Beware!]  
Sensitivity 95dB  
1.7KHz to 40KHz and above  
Resonance frequency is 220Hz  
Power handling 14W Normal, 40W Max  
SOLD IN MATCHED PAIRS

**DO NOT  
OPERATE  
WITHOUT A  
CROSSOVER  
18dB**



Code  
JP30



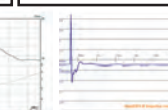
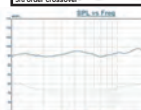
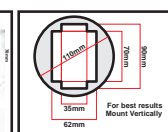
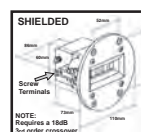
DATA SHEETS  
[www.fountek.com.au](http://www.fountek.com.au)

### FOUNTEK NeoCD3.0 RIBBON TWEETERS - SOLD IN MATCHED PAIRS

#### 110mm ROUND AUDIOPHILE TWEETER MATCHED PAIR

New improved technology in an alloy polycarbonate sandwich ribbon material high degree of signal fidelity, efficiency and a broad frequency response. Neodymium 0.6T magnet. Inbuilt precision impedance matching transformer. Manufacturers Recommended Crossover Frequency is 2.5KHz / 2nd-Order. However, a higher crossover frequency will yield better power handling. Recommended (SSS) 3.8KHz with 3rd-Order (-18dB) crossover. Ribbon material Enforced Sandwich Composite of Alloy and polycarbonate. Ribbon mass 18mg, 8mm X 60mm X 0.02mm 480mm² Impedance 7 Ohm, DCR 0.02 Ohm [BEWARE!]  
Sensitivity 95dB  
1.4KHz to 40KHz and above  
Resonance frequency 400Hz  
Power 17W Normal, 40W Max  
SOLD IN MATCHED PAIRS

**DO NOT  
OPERATE  
WITHOUT A  
CROSSOVER  
18dB**



110mm Diameter

Code  
NEOCD30

**FOUNTEK**  
[www.fountek.com.au](http://www.fountek.com.au)





# Audio Speakers & PA

## FOUNTEK NeoCD2.0 RIBBON TWEETERS - SOLD IN MATCHED PAIRS

### 5" POLYCARBONATE VERTICAL RIBBON TWEETER MATCHED-PAIR

This is a vertical, double height version of the popular Neo3.0 Ribbon. Utilising the same special aluminium in a double height optional package. Super-strong Neodymium offers extra efficiency and linear field density. Reinforced sandwich diaphragm reduces resonance & improves power. Low distortion factor, good power-handling capabilities, flat impedance. High linear impedance and amplitude response over a very broad range. Attractive silver rough-finish aluminium face plate with rubber grommet. Quality polycarbonate package with low stray flux for close to TV use. Minimum crossover frequency is at least 2.5KHz 3rd Order (-18dB) Higher crossover frequency will give higher system total power handling and/or will allow gentler slope (but must be at least -24dB @ 1.4KHz) Ribbon diaphragm 34mg, (960mm<sup>2</sup>) 8mm X 120mm X 0.02mm Super strong 0.6 Tesla Neodymium magnet Impedance 7 Ohm, DC 0.02 ohm [Beware!]

Sensitivity 98dB

1.4KHz to 40KHz and above

Resonance frequency 300Hz

Power 20W Normal, 60W Max

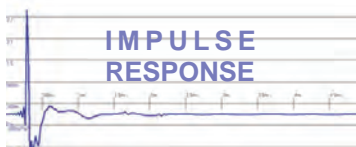
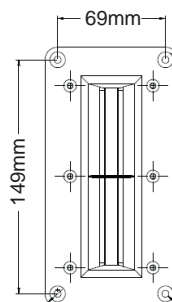
Fascia 85x165mm Silver

5" (120mm) Ribbon Tweeter pair:

SOLD IN MATCHED PAIRS

Code

NEOCD2.0



## FOUNTEK JP2.0 RIBBON TWEETERS - SOLD IN MATCHED PAIRS

### 5" ULTRA-THIN VERTICAL RIBBON TWEETER MATCHED-PAIR

This is a vertical, double height version of the traditional JP3.0 unit Super-Thin 0.009mm aluminium strip in a double height optional package. Super-strong Neodymium offers extra efficiency and linear field density. Extremely thin diaphragm for maximising signal fidelity and extra response Low distortion factor, good power-handling capabilities, flat impedance. High linear impedance and amplitude response over a very broad range. Attractive silver rough-finish aluminium face plate with rubber grommet. Quality polycarbonate package with low stray flux for close to TV use. Recommended minimum crossover frequency is 2KHz 3rd Order (-18dB) Higher crossover frequency will give higher system total power handling Ribbon mass 25mg, 960mm<sup>2</sup> 8x120x0.009mm Super strong 0.6 Tesla Neodymium magnet Impedance 7 Ohm, DC 0.02 ohm [Beware!]

Sensitivity 98dB

1.4KHz to 40KHz and above

Resonance frequency 440Hz

Power 17W Normal, 40W

Max Fascia 150x70mm Silver

Ultra-thin aluminium

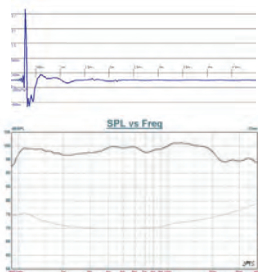
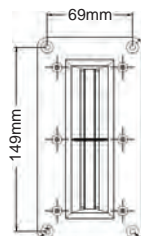
5" (120mm) Ribbon Pair:

SOLD IN MATCHED PAIRS

Colour Code

Silver JP2.0SL

Black JP2.0BK



## FOUNTEK Neo-Pro5i RIBBON TWEETERS - SOLD IN MATCHED PAIRS

### 6" OVER-SIZED HIGH-POWER PROFESSIONAL RIBBON TWEETER PAIR

This elite Ribbon is a master among tweeters with a superior performance suiting Audiophile Class-A Valve to High-Power professional installations. Enjoy the best in audio at home, in the studio or at the cinema! Choice. Efficiency makes this tweeter suitable for multi-driver arrays or valve Excellent dispersion pattern suits many environments from small to large Stones Sound Studio recommend a crossover of 1050Hz 3rd Order (-18dB). Ribbon material is a long-life alloy carbonate enforced sandwich material. Ribbon mass 88mg, 2175mm<sup>2</sup> 15x145x0.02mm Super strong 1 Tesla Neodymium magnet Impedance 7 Ohm, DC 0.02 ohm [Beware!]

Sensitivity 102dB

1.5KHz to 40KHz and above

Resonance frequency 400Hz

Crossover 1KHz -18dB/Oct

Power 60W Normal

Peak 120W Max

Plate 190x115mm

Hole 170x85mm

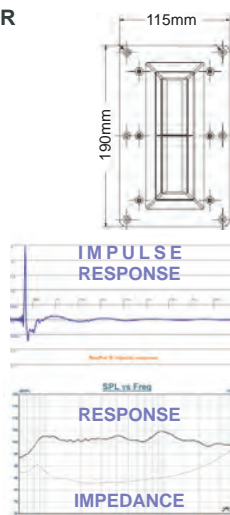
SOLD IN MATCHED PAIRS

Code

NEOPRO5i



**SOLD IN PAIRS**



[www.fountek.com.au](http://www.fountek.com.au)





## FOUNTEK NEO X 1.0 RIBBON TWEETER PAIR

NeoX 1.0 is Fountek's 3rd Generation of Ribbon Tweeters with a new 45x12mm width enforced sandwich ribbon diaphragm with a compact rectangular CNC milled face plate. 70x100mm.

- Super strong Neodymium magnet for high efficiency
- Build-in impedance conversion transformer with new ferrite core with even higher tolerances
- Effective from 1,200Hz upwards due to the new diaphragm technology and low self-resonance
- Thin diaphragm (0.015mm) made from patented sandwich material for a stronger diaphragm
- Low distortion, higher power, linear impedance and frequency response, wide band
- CNC milled face plates. 70x115mm

Sensitivity: 92dB/1m/2.83v

Power handling: 20W nominal, 38W max

Frequency range: 1,200-40,000Hz

Nominal impedance: 8 ohm

DCR: 0.02 ohm

Ribbon dimension: 12mmX45mmX0.015mm

Effective ribbon area: 560 square millimetre

Ribbon weight: 20 mg

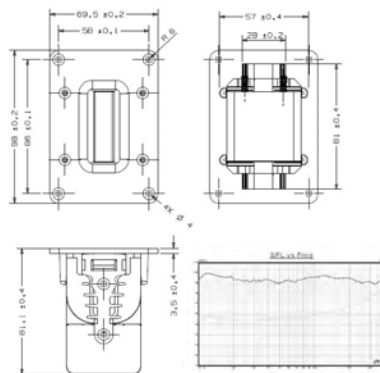
Gap flux: 0.4 Tesla average

Gap height: 13 mm

recommend cut frequency: 2,500Hz with 2-order

Net.Weight: 630 gram

Code NEOX1.0



<http://www.fountek.com.au/products/NeoX10/>

## FOUNTEK NEO X 2.0 RIBBON TWEETER PAIR

NeoX 2.0 is Fountek's 3rd Generation of Ribbon Tweeter with a new 60x12mm width enforced sandwich ribbon diaphragm with a compact rectangular CNC milled face plate. 70x115mm.

- Super strong Neodymium magnet for high efficiency
- Build-in impedance conversion transformer with new ferrite core with even higher tolerances
- Effective from 1,200Hz upwards due to the new diaphragm technology and low self-resonance
- Thin diaphragm (0.015mm) made from a patented sandwich material for a stronger diaphragm
- Low distortion, higher power, linear impedance and frequency response, wide band
- CNC milled face plates. 70x115mm

Sensitivity: 94dB/1m/2.83v

Power handling: 25W nominal, 43W max

Frequency range: 1,200-40,000Hz

Nominal impedance: 8 ohm

DCR: 0.02 ohm

Ribbon dimension: 12mmX60mmX0.015mm

Effective ribbon area: 720 square millimetre

Ribbon weight: 27 mg

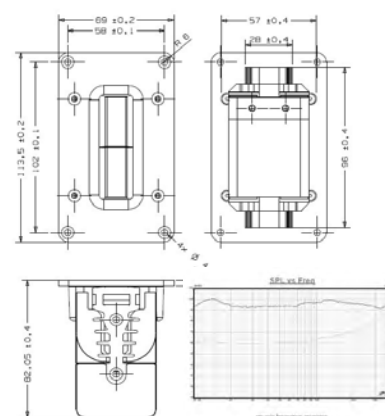
Gap flux: 0.4 Tesla average

Gap height: 13 mm

recommend cut frequency: 2,500Hz with 2-order

Net.Weight: 750 gram

Code NEOX2.0



<http://www.fountek.com.au/products/NeoX20/>

## FOUNTEK NEO X 3.0 RIBBON TWEETER PAIR

NeoX 3.0 is Fountek's 3rd Generation of Ribbon Tweeters with a new 80x12mm width enforced sandwich ribbon diaphragm with a compact rectangular CNC milled face plate. 70x145mm.

- Super strong Neodymium magnet for high efficiency
- Build-in impedance conversion transformer with new ferrite core with even higher tolerances
- Effective from 1,200Hz upwards due to the new diaphragm technology and low self-resonance
- Thin diaphragm (0.015mm) made from a patented sandwich material for a stronger diaphragm
- Low distortion, higher power, linear impedance and frequency response, wide band
- CNC milled face plates. 70x115mm

Sensitivity: 95dB/1m/2.83v

Power handling: 30W nominal, 50W max

Frequency range: 1,200-40,000Hz

Nominal impedance: 8 ohm

DCR: 0.02 ohm

Ribbon dimension: 12mmX80mmX0.015mm

Effective ribbon area: 960 square millimetre

Ribbon weight: 36 mg

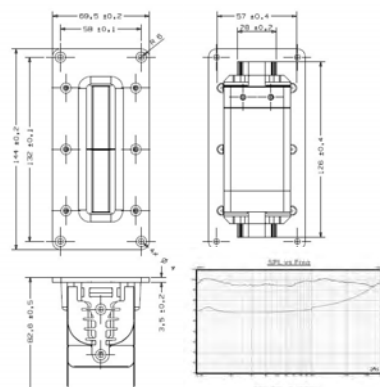
Gap flux: 0.4 Tesla average

Gap height: 13 mm

recommend cut frequency: 2,000Hz with 2-order

Net.Weight: 1015 gram

Code NEOX3.0



<http://www.fountek.com.au/products/NeoX30/>





# Audio Speakers & PA

## SB Acoustics

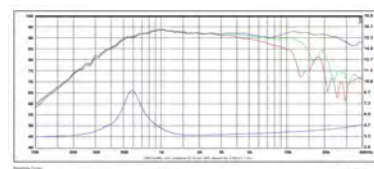
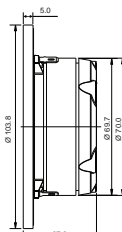
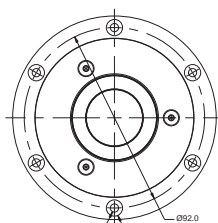
### SB ACOUSTICS RING DOME TWEETER - SATORI SERIES

#### ALUMINIUM FACE PLATE - SCANDINAVIAN TEXTILE DOME

Doped cloth ring dome offers extended level response and superb off-axis characteristics. This tweeter has many advanced technology features that culminate in very detailed and low distortion output. This tweeter is a perfect choice in any high end system.

Zn	4Ω
Re	3.0Ω
Le	0.02mH
Fs	600Hz
Sd	9.6cm <sup>2</sup>
Sens.	92dB
Power	80Wms
Qms	2.0
Qes	1.24
Qts	0.77
Code	TW29R

ACOUSTICS satori®

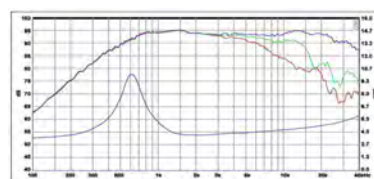
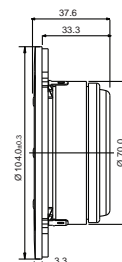
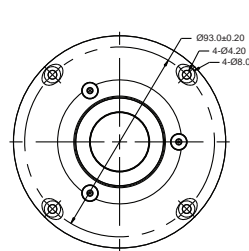


### SB ACOUSTICS RING DOME TWEETER

#### DUAL CONCENTRIC 40KHz+

Proprietary fabric ring dome & large roll surround. Unique in that the centre of the dome is stabilised by an internal anchor like a dual concentric, but without the phase plug, greatly reducing distortion and brings the acoustic centre of the tweeter back to the voice coil, with the added benefit of increased sensitivity. Chambered back designed to provide a lower resonance frequency and reduce back wave reflections from the domes large surface. A copper cap is used on the pole piece.

Impedance	4Ω Nom. (Re 3.0Ω)
Le	0.05mH
Fs	600Hz
Sens.	93dB
Power	100W System
Qms	2.2
Qes	0.9
Qts	0.65
Code	SB29RDC-C0004

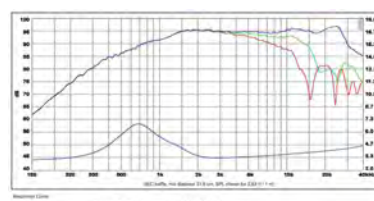
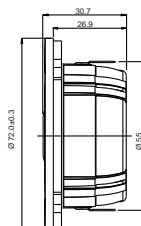
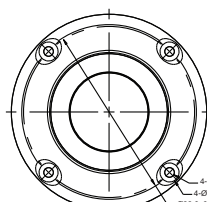


### SB ACOUSTICS RING DOME TWEETER NEODYMIUM MAGNET

#### NEODYMIUM MAGNET - COMPACT FACE PLATE 72mm<sup>2</sup>

Compact motor system with smaller face plate enhancing location options. Anchored dome dual-concentric ring radiator. Dual chamber. Ventilated pole Copper cap for reduced inductions. Low resonant frequency. Smooth response Natural sound. High sensitivity. High power.

Impedance	4Ω Nom. (Re 3.0Ω)
Le	0.05mH
Fs	600Hz
Sens.	94dB
Power	100W System
Qms	0.9
Qes	0.54
Qts	0.34
Code	SB29RDNC-C0004

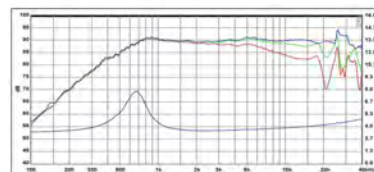
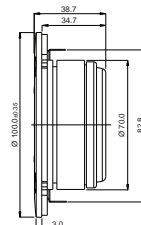
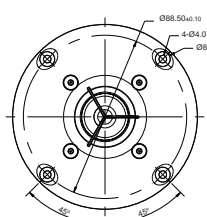


### SB ACOUSTICS 1" ALUMINIUM DOME TWEETER

#### BLACK ALUMINIUM DOME AND TEXTILE SURROUND

The aluminium dome and textile surround has been designed to move any "break-up" to frequencies beyond the audible range. This achieves the detail that a metal dome provides without the objectionable harsh sound. Precision phase shield for coherent high frequency radiation. Copper cap for reduced voice coil inductance. Saturation controlled motor system for low distortion.

Impedance	4Ω Nom. (Re 3.2Ω)
Fs	680Hz
Sens.	90dB
Power	120W System
Qms	2.7
Qes	1.88
Qts	1.11
Code	SB26ADC-C000-4





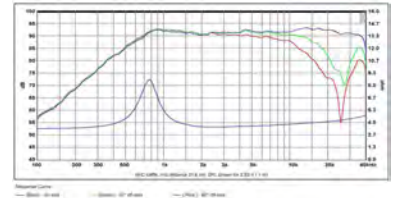
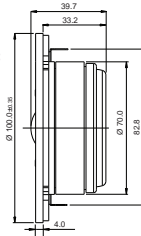
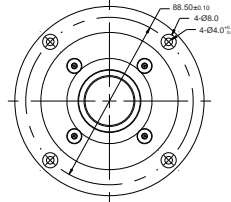


## SB ACOUSTICS 1" TEXTILE DOME TWEETER

### CAST ALUMINIUM FACE PLATE - REAR CHAMBER - FERRO FLUID

Metal faceplate. Copper cap for reduced voice coil inductance and phase shift. Non-reflective rear chamber with optimized damping. Flow optimized vented pole piece for optimum coupling to rear chamber. Fine weave soft fabric dome for smooth frequency response. Saturation controlled motor system for low distortion. CCAW voice coil. Long life silver lead wires. Low resonance frequency.

Impedance	4Ω Nom. (Re 3.2Ω)
Le	0.04 mH
Fs	750Hz
Power	120W System
Sens.	91.5dB
Qes	1.78
Qms	3.0
Qts	1.12
Code	SB26STACC0004

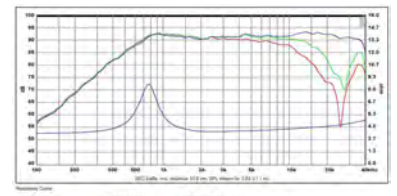
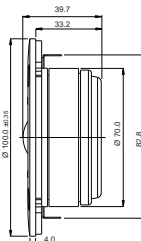
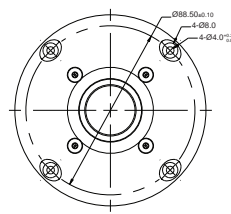


## SB ACOUSTICS 1" TEXTILE DOME TWEETER

### POLYMER FACE PLATE - REAR CHAMBER

Optimised smooth inner-edge polymer face plate. Copper cap for reduced voice coil inductance and phase shift. Non-reflective rear chamber with optimized damping. Flow optimized vented pole piece for optimum coupling to rear chamber. Fine weave soft fabric dome for smooth frequency response. Saturation controlled motor system for low distortion. CCAW voice coil. Long life silver lead wires. Low resonance frequency.

Impedance	4Ω Nom. (Re 3.2Ω)
Le	0.04mH
Fs	750Hz
Sens.	91.5dB
Power	120W System
Qms	3.0
Qes	1.78
Qts	1.12
Code	SB26STC-C000-4

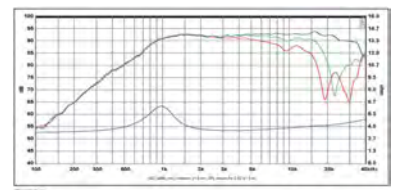
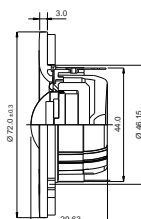
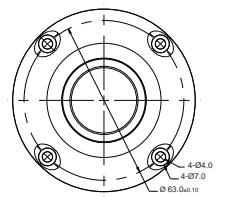


## SB ACOUSTICS 1" TEXTILE DOME TWEETER NEODYMIUM MAGNET

### NEODYMIUM MAGNET - NON FERRO FLUID

Scandinavian textile dome. Copper cap low distortion. No ferro fluid for higher transient response. Gold plated terminals. Smooth frequency response for easy control and driver matching/pairing. Frequency range 1500Hz to 23kHz with Very good off axis response. \*Power is 120W system power via butterworth 12dB/oct at 2500Hz

Impedance	4Ω Nom. (Re 3.2Ω)
Le	0.04mH
Fs	950Hz
Sens.	92 db
Power	120W System
Qms	1.8
Qes	2
Qts	0.9
Code	SB26STCN-C000-4



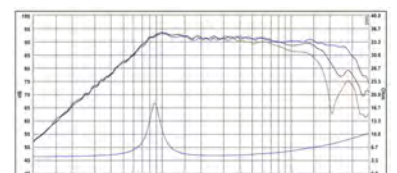
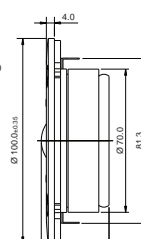
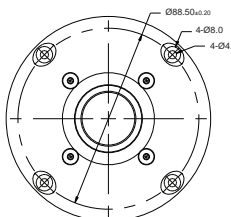
## SB ACOUSTICS 1" TEXTILE DOME TWEETER

### SOFT DOME TEXTILE

Optimized damping in pole cavity to eliminate internal reflection. Fine weave soft fabric dome for smooth frequency response. Saturation controlled motor system for reduced distortion. CCAW voice coil for low moving mass. Long life silver lead wires.



Impedance	5Ω Nom. (Re 4.4Ω)
Le	0.07mH
Fs	870Hz
Sens.	91dB
Power	80Wms
Qms	5.0
Qes	1.64
Qts	1.24
Code	SB26ST-C000-5

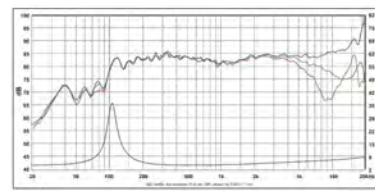
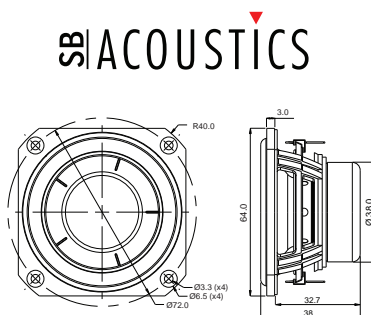






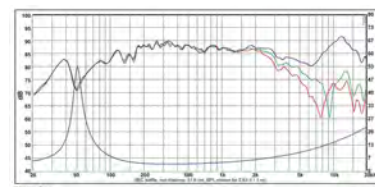
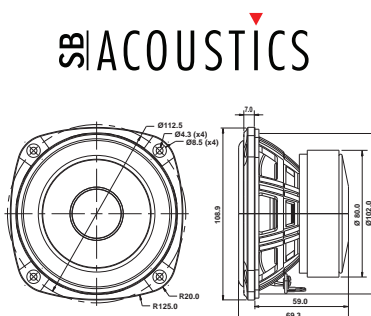
## NEODYMIUM MAGNET COMPACT FULL RANGE

Impedance	4Ω Nom. (Re 3.6Ω)
Le	0.15mH
Fs	115Hz
Sens.	83.5dB
Power	20Wms
Qes	0.77
Qms	6.0
Qts	0.68
Sd	20cm <sup>2</sup>
Vas	0.43L
Code	SB65WBAC25-4



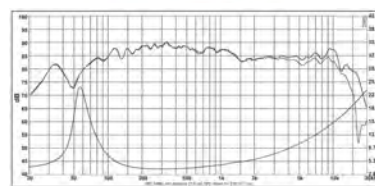
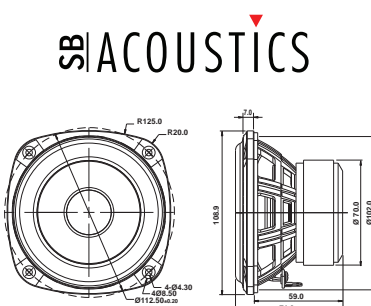
### ALUMINIUM CONE WITH SQUARE FRAME POLY-FIBRE CHASSIS

Impedance	4Ω Nom. (Re 3.1Ω)
Fs	52.5Hz
Le	0.25mH
Sens.	87dB
Power	30Wms
Qes	0.33
Qms	5.0
Qts	0.31
Vas	5.3L
Code	SB12PAC25-4



### SQUARE POLYMER FRAME PAPYRUS CONE

Impedance	4Ω Nom. (Re 3.1Ω)
Le	0.26mH
Fs	58Hz
Sens.	87.5dB
Power	30Wms
Qes	0.49
Qms	3.4
Qts	0.43
Sd	50cm <sup>2</sup>
Vas	5.2L
Code	SB12PFC25-4





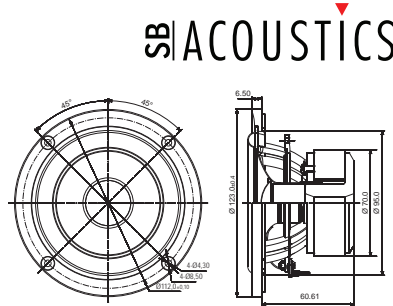


## SB ACOUSTICS 4" MID WOOFER - NRXF

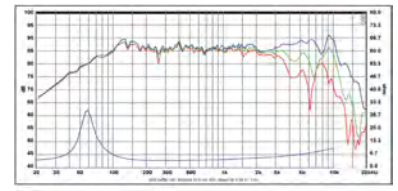
### ALUMINIUM CHASSIS - FIBRE PULP CONE - FOAM SURROUND

Proprietary cone material made with natural fibres in-house.  
Foam surround for maximum transparency and midrange resolution.  
Vented pole piece for reduced compression. Vented cast aluminium chassis for optimum strength and low compression. CCAW voice coil for reduced moving mass. Long life silver lead wires. Non-conducting fibre glass coil former.

Impedance	4Ω Nom. (Re 3.1Ω)
Le	0.27mH
Fs	61Hz
Sens.	87dB
Power	30Wrms
Qms	5.3
Qes	0.53
Qts	0.48
Vas	4.1L
Code	SB12NRXF25-4



ACOUSTICS

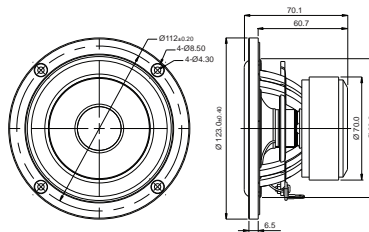


## SB ACOUSTICS 4" MID WOOFER - NRX

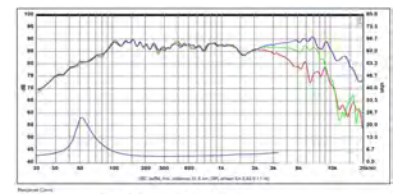
### ALUMINIUM CHASSIS - FIBRE PULP CONE - BUTYL RUBBER SURROUND

Proprietary cone material with natural fibres made in-house Norex® coated.  
High damping Butyl rubber surround for non-resonant sound character.  
Ventilated pole piece for reduced compression and increased cooling.  
Vented cast aluminium chassis for optimum strength and low compression.  
CCA W voice coil for reduced moving mass. Long life silver lead wires.  
Non-conducting fibre glass coil former for minimum damping.

Impedance	4Ω Nom. (Re 3.1Ω)
Le	0.14mH
Fs	55Hz
Sens.	87.5dB
Power	30Wrms
Qms	3.2
Qes	0.46
Qts	0.40
Vas	5.6L
Code	SB12NRX25-4



ACOUSTICS

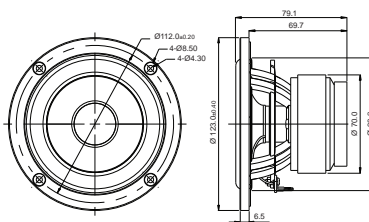


## SB ACOUSTICS 4" MIDRANGE

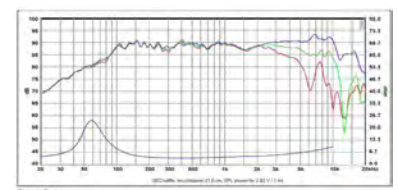
### ALUMINIUM CHASSIS - PAPYRUS CONE - BUTYL SURROUND

High-resolution midrange or mid-woofer driver with Double magnet for reducing stray flux and improved electrical specifications. Proprietary non-resonant Norex® coated papyrus fibre cone and Butyl rubber surround. Open structure cast frame for reduced reflections and compression, light weight, non-magnetic and extra rigidity. CCAW voice coil on fibreglass former with silver coated lead wires. Shorting Copper cap on pole piece.

Impedance	4Ω Nom. (Re 3.2Ω)
Le	0.14 mH
Fs	58Hz
Sens.	88.5dB
Power	30 Wrms
Qms	3.4
Qes	0.40
Qts	0.36
Vas	5.5 L
Code	SB12MNRX25-4



ACOUSTICS







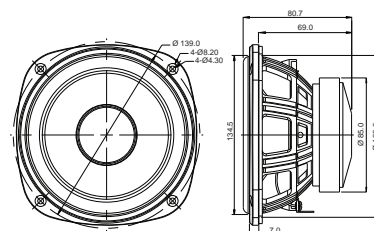
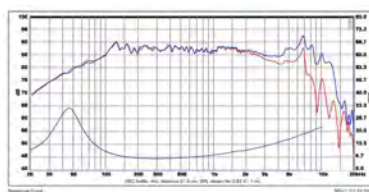
# Audio Speakers & PA

## SB ACOUSTICS 5" MID WOOFER - PFC

### POLY-FIBRE CHASSIS

Vented reinforced plastic chassis. Proprietary cone material with natural fibres made in-house. Soft low damping rubber surround for improved transient response. Optimized motor system. Vented coil former for low compression. Non-resonant long life lead wires.

Impedance	8Ω Nom. (Re 5.6Ω)	4Ω Nom. (Re 3.2Ω)
Le	0.77mH	0.56mH
Fs	45Hz	44Hz
Sens.	87dB	89dB
Power	40Wms	40Wms
Qms	2.2	2.6
Qes	0.39	0.33
Qts	0.33	0.29
Vas	13.4L	13.4L
Code	SB13PFC25-08	SB13PFC25-04

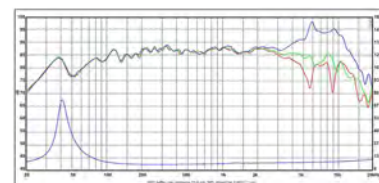
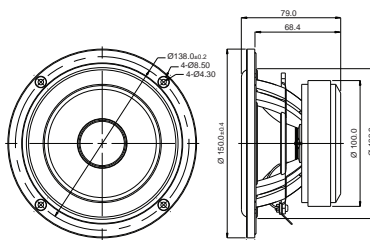


## SB ACOUSTICS 5" MID-WOOFER 4Ω - MFC

### ALUMINIUM CHASSIS - POLYPROPYLENE CONE

Vented cast aluminium chassis for optimum strength and low compression. Unique mineral filled polypropylene cone material, made in-house. Soft low damping rubber surround for improved transient response. Non-conducting fibre glass CCAW voice coil former and extended copper sleeve on pole piece for low inductance and low distortion. Long life silver lead wires. Vented pole piece for reduced compression.

Impedance	4Ω Nom. (Re 3.1Ω)
Fs	36Hz
Sens.	90dB
Power	50Wrms
Qms	5.26
Qes	0.30
Qts	0.28
Vas	19.4L
Code	SB15MFC30-4

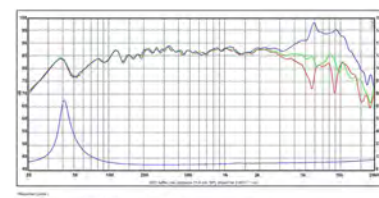
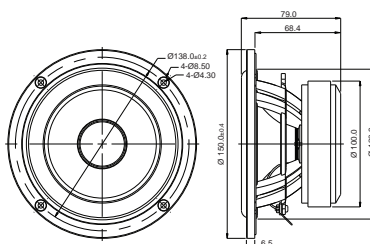


## SB ACOUSTICS 5" MID-WOOFER 8Ω - MFC

### ALUMINIUM CHASSIS - POLYPROPYLENE CONE

Vented cast aluminium chassis for optimum strength and low compression. Unique mineral filled polypropylene cone material, made in-house. Soft low damping rubber surround for improved transient response. Non-conducting fibre glass CCAW voice coil former and extended copper sleeve on pole piece for low inductance and low distortion. Long life silver lead wires. Vented pole piece for reduced compression.

Impedance	8Ω Nom. (Re 5.7Ω)
Fs	39Hz
Sens.	87dB
Power	50Wrms
Qms	4.40
Qes	0.40
Qts	0.37
Vas	17.7L
Code	SB15MFC30-8





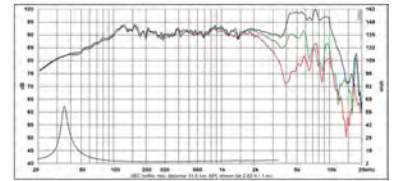
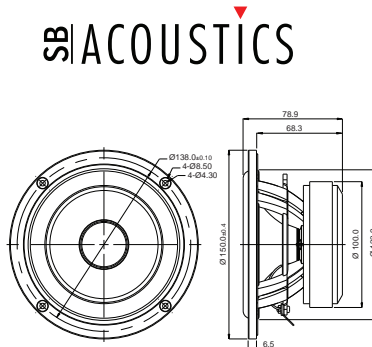


## SB ACOUSTICS 5" MID-WOOFER 4Ω - NRX

### ALUMINIUM CHASSIS - PAPYRUS CONE COATED

Vented cast aluminium chassis for optimum strength and low compression. Proprietary cone material with natural fibres made in-house. Soft low damping rubber surround for improved transient response. Non-conducting fibre glass voice coil former for minimum damping. Extended copper sleeve on pole piece for low inductance and low distortion. CCAW voice coil for reduced moving mass. Long life silver lead wires. Vented pole piece for reduced compression.

Impedance	4Ω Nom. (Re 3.1Ω)
Fs	41Hz
Sens.	91dB
Power	50Wrms
Qms	5.3
Qes	0.31
Qts	0.29
Vas	16.7L
Code	SB15NRXC30-4

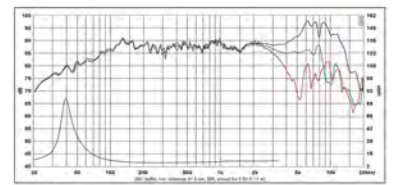
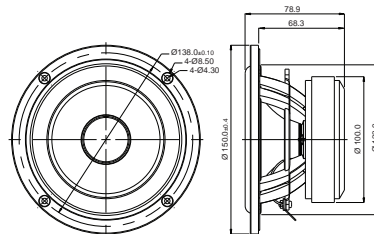


## SB ACOUSTICS 5" MID-WOOFER

### ALLOY FRAME - PAPYRUS CONE AVAILABLE COATED OR UNCOATED

Papyrus cone with an optional thin polyurethane protection coating. Low damping SBR rubber surround with high exertion and resilience. Open structure cast frame for reduced reflections and compression. Aluminium alloy for light weight, non-magnetic and extra rigidity. Shorting Copper cap on pole piece. Non-inductive CCAW fibre glass 30mm coil former. Silver lead wires. Vented pole piece. \*Available with or without poly coating on cone material.

Impedance	8Ω Nom. (Re 5.7Ω)
Le	0.14mH
Fs	38Hz
Sens.	88dB
Power	50Wrms
Qms	4.8
Qes	0.35
Qts	0.33
Vas	20.7L
Type	Coated      Uncoated
Code	SB15NRXC30-8      SB15NRXC30-8-UC

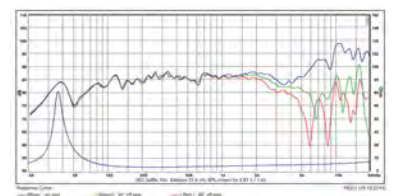
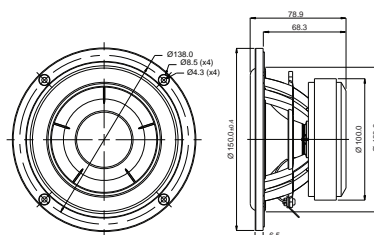


## SB ACOUSTICS 5" MID WOOFER - AU

### ALUMINIUM CHASSIS - ALUMINIUM CONE

Vented cast aluminium chassis for optimum strength and low compression. Geometrically reinforced aluminium cone for optimum piston operation and reduced break-up. Soft low damping rubber surround for improved transient response. Non-conducting fibre glass voice coil former for minimum damping. CCAW voice coil for reduced moving mass. Long life silver lead wires.

Impedance	8Ω Nom. (Re 5.7Ω)	4Ω Nom. (Re 3.1Ω)
Le	0.14mH	0.12mH
Fs	35.5Hz	35Hz
Sens.	85.5dB	88.5dB
Power	50Wrms	50Wrms
Qms	6.0	5.65
Qes	0.39	0.32
Qts	0.37	0.30
Vas	17.7L	18.3L
Code	SB15NAC30-8	SB15NAC30-4







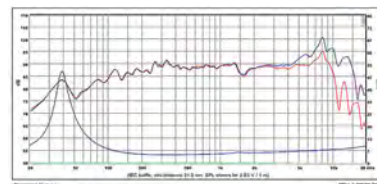
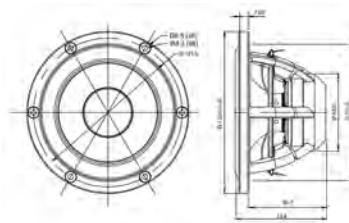
# Audio Speakers & PA

## SB-ACOUSTICS 5" MID-WOOFER - SATORI SERIES

### NEODYMIUM WITH EGYPTIAN PAPYRUS

From the high end arm of SB Acoustic comes a premium mid-woofer with Neodymium magnet an aerodynamic chassis and Papyrus reed cone. This unit features smooth frequency response and low inductance which allows minimal effort in network design.

Impedance	4Ω	8Ω
Fs	41Hz	41.5Hz
Sens.	89dB	87dB
Power	40W	40W
Qms	3.71	3.55
Qes	0.29	0.33
Qts	0.27	0.3
Vas	14.6L	15L
Code	MW13P-4	MW13P-8



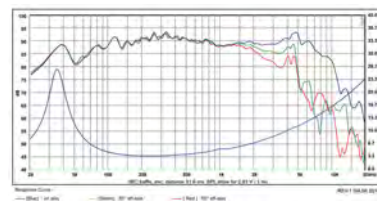
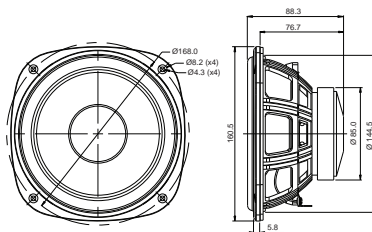
**ACOUSTICS**

## SB ACOUSTICS 6.5" 4Ω MID WOOFER - PFC

### POLY-FIBRE CHASSIS

Vented reinforced plastic chassis. Proprietary cone material with natural fibres made in-house. Soft low damping rubber surround for improved transient response. Optimized motor system. Vented coil former for low compression. Non-resonant long life lead wires.

Impedance	4Ω Nom. (Re 3.2Ω)
Le	0.56mH
Fs	35Hz
Sens.	89.5dB
Power	40Wms
Qms	2.76
Qes	0.39
Qts	0.34
Vas	32.7L
Code	SB16PFC25-04



## SB ACOUSTICS 6.5" 8Ω MID WOOFER - PFC

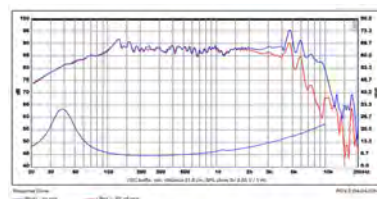
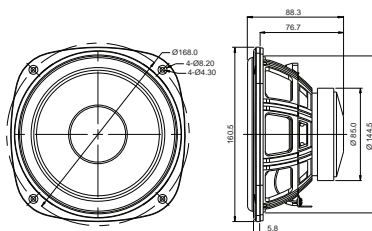
### POLY-FIBRE CHASSIS

Vented reinforced plastic chassis. Proprietary cone material with natural fibres made in-house. Soft low damping rubber surround for improved transient response. Optimized motor system. Vented coil former for low compression. Non-resonant long life lead wires.

Impedance	8Ω Nom. (Re 5.6Ω)
Le	0.77mH
Fs	38Hz
Sens.	87dB
Power	40Wms
Qms	2.5
Qes	0.48
Qts	0.4
Vas	27L
Code	SB16PFC25-08



**ACOUSTICS**





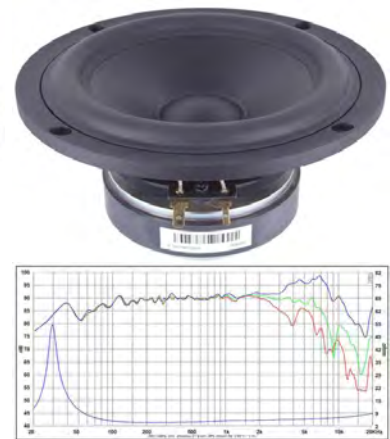
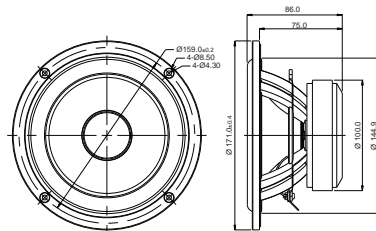


## SB ACOUSTICS 6.5" MID-WOOFER 4Ω - POLYPROPYLENE CONE

### ALUMINIUM CHASSIS - POLYPROPYLENE CONE

Vented cast aluminium chassis for optimum strength and low compression. Mineral filled strengthened Poly-cone made in-house. Soft low damping rubber surround for improved transient response. Non-conducting fibre glass voice coil former for minimum damping.

Impedance	4Ω Nom. (Re 3.1Ω)
Le	0.13mH
Fs	30Hz
Sens.	90dB
Power	60Wms
Qms	5.2
Qes	0.3
Qts	0.28
Vas	45L
Code	SB17MFC35-4

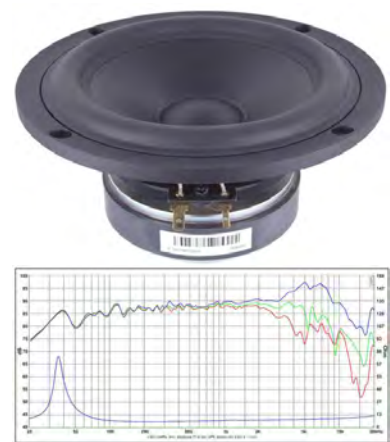
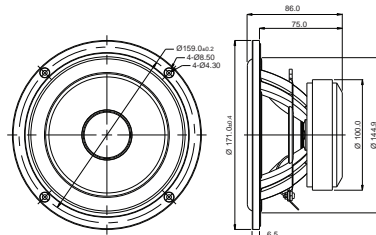


## SB ACOUSTICS 6.5" MID-WOOFER 8Ω - POLYPROPYLENE CONE

### ALUMINIUM CHASSIS - POLYPROPYLENE CONE

Vented cast aluminium chassis for optimum strength and low compression. Mineral filled Poly-cone made in-house. Soft low damping rubber surround for improved transient response. Non-conducting fibre glass voice coil former for minimum damping. Extended copper sleeve on pole piece for low inductance and low distortion.

Impedance	8Ω Nom. (Re 5.7Ω)
Fs	32Hz
Sens.	89dB
Power	60Wrms
Qms	5.0
Qes	0.36
Qts	0.34
Vas	44.5L
Code	SB17MFC35-8

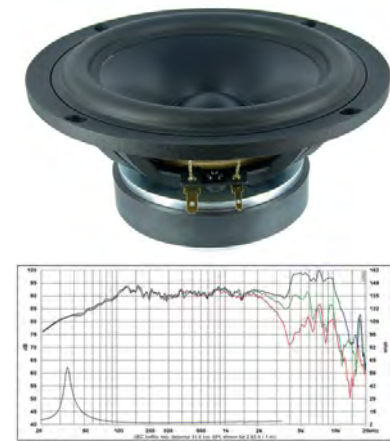
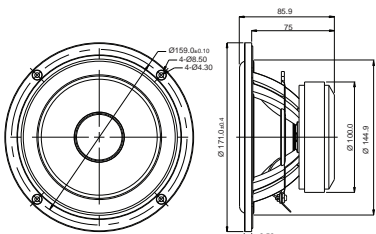


## SB ACOUSTICS 6.5" MID-WOOFER 4Ω

### ALUMINIUM CHASSIS - POPYRUS CONE COATED

Newly developed Norex® Non-resonant poly-coated Papyrus fibre cone. Low damping SBR rubber surround with high exertion and resilience. Open structure cast frame for reduced reflections and compression. Aluminium alloy for light weight, non-magnetic and extra rigidity. Shorting Copper cap on pole piece. Non-inductive 30mm coil former.

Impedance	4Ω Nom. (Re 3.1Ω)
Fs	35Hz
Sens.	92dB
Power	60Wrms
Qms	5.5
Qes	0.34
Qts	0.32
Vas	35.2L
Code	SB17NRXC35-4

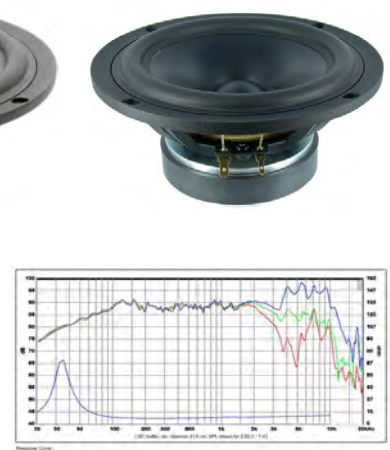
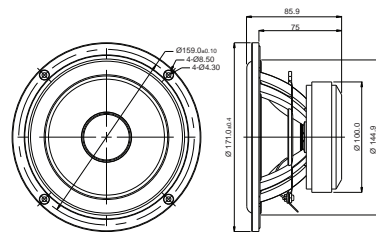


## SB ACOUSTICS 6.5" MID-WOOFER 8Ω

### ALLOY FRAME - POPYRUS CONE AVAILABLE COATED OR UNCOATED

Proprietary papyrus fibre cone with optional Norex® poly coating. Low damping SBR rubber surround with high exertion and resilience. Open structure cast frame for reduced reflections and compression. Aluminium alloy for light weight, non-magnetic and extra rigidity.

Impedance	8Ω Nom. (Re 5.7Ω)
Le	0.15mH
Fs	32Hz
Power	60Wrms
Sens.	89dB
Qms	5.0
Qes	0.36
Qts	0.34
Vas	44.5L
Type	Coated                      Uncoated
Code	SB17NRXC35-8              SB17NRXC35-8-UC

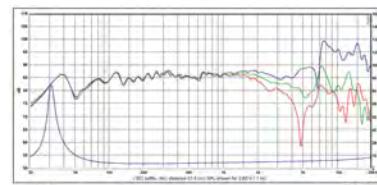
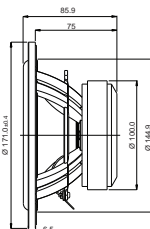
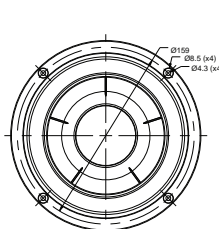






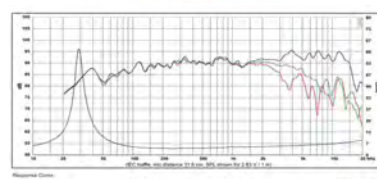
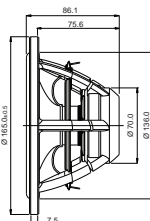
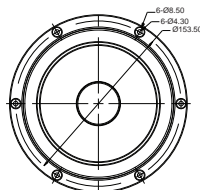
## ALUMINIUM CHASSIS - ALUMINIUM CONE - LOW FS

Impedance	8Ω Nom. (Re 5.7Ω)
Le	0.15mH
Fs	31.5Hz
Sens.	86.5dB
Power	60Wms
Qms	6.0
Qes	0.45
Qts	0.42
Vas	33L
Code	SB17NAC35-8



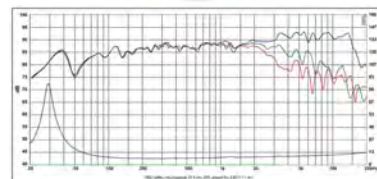
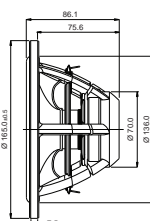
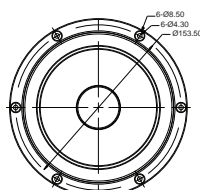
## NEODYMIUM WITH EGYPTIAN PAPYRUS

Impedance	4Ω Nom. (Re 3.4Ω)
Fs	28Hz
Le	0.2mH
Sens.	90.5dB
Power	60Wrms
Qms	5.0
Qes	0.28
Qts	0.27
Vas	50.2L
Code	MW16P-4



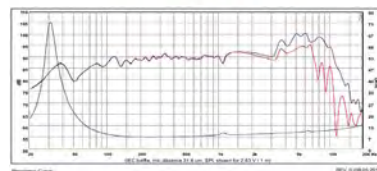
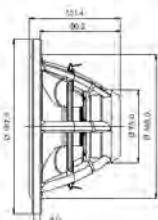
## NEODYMIUM WITH EGYPTIAN PAPYRUS

Impedance	8Ω Nom. (Re 6.2Ω)
Fs	29Hz
Le	0.2mH
Sens.	87.5dB
Power	60Wrms
Qms	4.5
Qes	0.35
Qts	0.33
Vas	48L
Code	MW16P-8



### 7.5" MID-WOOFER NEODYMIUM

Impedance	8Ω
Le	0.2mH
Fs	32.5Hz
Sd	158cm <sup>2</sup>
Sens.	89dB
Power	70W
Qms	4.06
Qes	0.36
Qts	0.33
Vas	48L
Code	MW19P-8



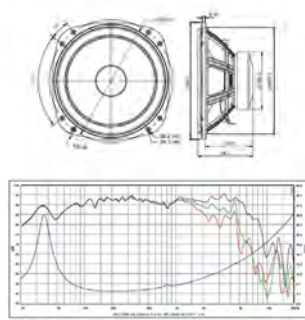




## SB ACOUSTICS 8" WOOFER - PFC

Vented reinforced plastic chassis. Proprietary cone material with natural fibres made in-house. Soft low damping rubber surround for improved transient response. Optimized motor system. Vented coil former for low compression. Non-resonant long life lead wires.

Impedance	4Ω Nom. (Re 3.4Ω)	8Ω Nom. (Re 5.6Ω)
Fs	33.7Hz	34Hz
Sens.	92.5dB	90.5dB
Power	50Wrms	50Wrms
Qms	2.78	2.66
Qes	0.37	0.43
Qts	0.33	0.37
Vas	66.2L	66.2L
Code	SB20PFC30-4	SB20PFC30-8



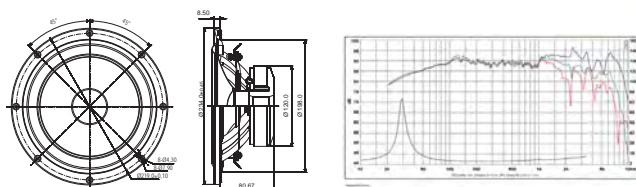
SB ACOUSTICS

## SB ACOUSTICS 8" WOOFER

### ALUMINIUM CHASSIS - PAPYRUS POLY-COATED

Newly developed Norex® Non-resonant poly-coated Papyrus fibre cone Low damping SBR rubber surround with high exertion and resilience. Open structure cast frame for reduced reflections and compression. Aluminium alloy for light weight, non-magnetic and extra rigidity. Shorting Copper cap on pole piece. Non-inductive 30mm coil former.

Impedance	8Ω Nom. (Re 5.6Ω)
Le	0.60mH
Fs	27Hz
Sens.	89dB
Power	60Wrms
Qms	5.4
Qes	0.41
Qts	0.38
Vas	94.0L
Code	SB23NRXS45-8



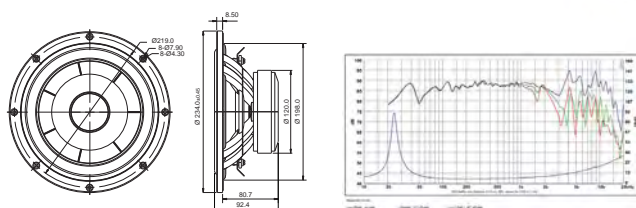
SB ACOUSTICS

## SB ACOUSTICS 8" MID-WOOFER - AU

### ALUMINIUM CONE WIDE BANDWIDTH DRIVER

Vented cast aluminium chassis for optimum strength and low compression. Extended frequency response. Geometrically reinforced aluminium cone for improved break-up control. Soft low damping rubber surround for improved transient response. Non-conducting fibre glass voice coil former for minimum damping.

Impedance	8Ω Nom. (Re 5.6Ω)
Le	0.60mH
Fs	25Hz
Sens.	87.5dB
Power	60Wrms
Qms	5.6
Qes	0.40
Qts	0.37
Vas	94L
Code	SB23NACS45-8

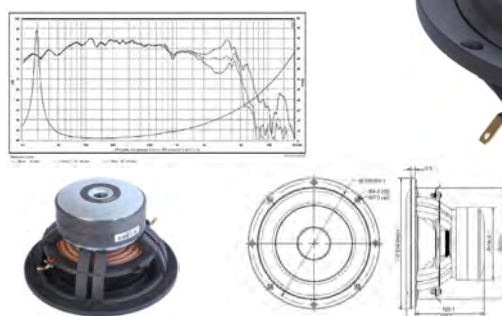


SB ACOUSTICS

## SB ACOUSTICS 8" LONG STROKE SUB-WOOFER

Vented cast aluminium chassis for optimum strength and low compression. Unique mineral filled polypropylene cone material, made in-house with extra stiffness. Extended roll rubber surround for improved transient response and SPL. Non-conducting fibre glass CCAW voice coil former. Long life silver lead wires. Vented pole piece and aluminium chassis. Optimised for compact enclosures.

Impedance	4Ω	8Ω
Fs	27Hz	28.5Hz
Sens.	87.5dB	85dB
Power	150W	150W
Qms	7.7	7.3
Qes	0.36	0.46
Qts	0.34	0.43
Vas	37L	37L
Code	SB23MFCL45-4	SB23MFCL45-8







# Audio Speakers & PA

## SB ACOUSTICS 10" WOOFER

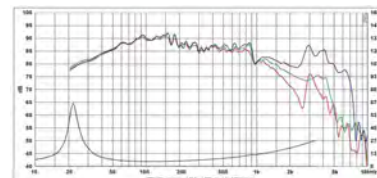
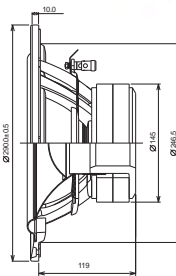
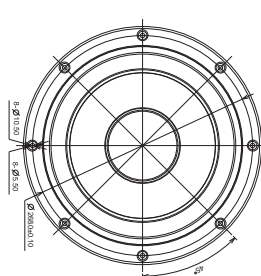
### ALUMINIUM CHASSIS DOUBLE MAGNET

Hard Paper proprietary cone materials made in-house for consistency.  
Low damping SBR rubber surround with high exertion and resilience.  
Open structure cast frame for reduced reflections and compression.  
Aluminium alloy for light weight, non-magnetic and extra rigidity.  
Shorting Copper cap on pole piece. Non-inductive 75mm coil former.

Impedance	6Ω Nom. (Re 4.2Ω)
Fs	21Hz
Sens.	88dB
Power	200Wrms
Qms	5.7
Qes	0.38
Qts	0.35
Vas	102L
Code	SB29NRX75-6



ACOUSTICS



## SB ACOUSTICS 10" WOOFER

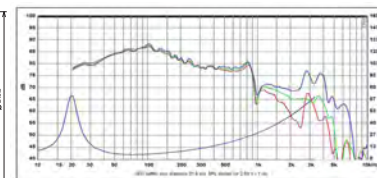
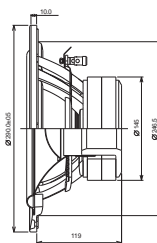
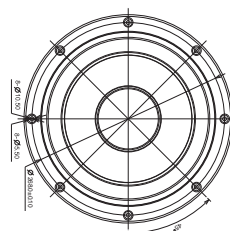
### SUB-WOOFER

Hard Paper proprietary cone materials made in-house for consistency.  
Low damping SBR rubber surround with high exertion and resilience.  
Open structure cast frame for reduced reflections and compression.  
Aluminium alloy for light weight, non-magnetic and extra rigidity.  
Shorting Copper cap on pole piece. Non-inductive 75.6mm coil former.

Impedance	6Ω Nom. (Re 4.2Ω)
Le	3.0 mH
Fs	20Hz
Sens.	86 dB
Power	200Wrms
Qms	6.7
Qes	0.33
Qts	0.31
Vas	66 L
Code	SB29SWNRX-S75-6



ACOUSTICS

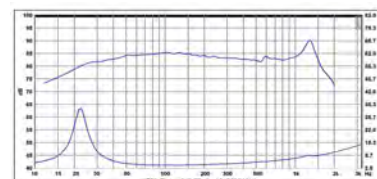
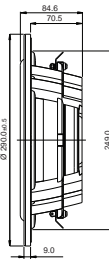
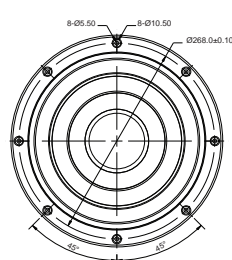


## SB ACOUSTICS 10" ALUMINIUM SHALLOW SUB WOOFER

### NARROW CABINET SOLUTION WITH NEODYMIUM MAGNET

Recommended for small to medium subwoofer enclosures, Fast alloy cone for narrow profile situations. Note: Low efficiency requires a very large power amp to run it. SSS. Dual-mirrored aluminium motor design for a rigid strength high dB cone. Extra large 3" aluminium voice coil converts large amounts of power.

Impedance	4Ω Nom. (Re 3.2Ω)	8Ω Nom. (Re 6.4Ω)
Fs	22Hz	20Hz
Sens.	82dB	250Wrms
Power	200Wrms	84dB
Qms	7.0	9.47
Qes	0.5	0.28
Qts	0.4	0.27
Vas	45.3L	45.84L
Code	SW26DAC76-4	SW26DAC76-8







## SB ACOUSTICS 12" WOOFER

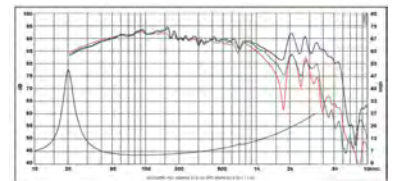
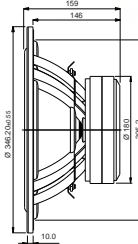
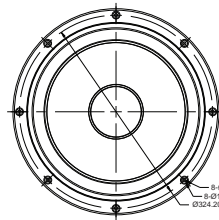
### PAPYRUS CONE 6Ω

Hard Paper proprietary cone materials made in-house for consistency  
Low damping SBR rubber surround with high exertion and resilience.  
Open structure cast frame for reduced reflections and compression  
Aluminium alloy for light weight, non-magnetic and extra rigidity.  
Shorting Copper cap on pole piece. Non-inductive 75mm coil former.  
Suggested Alignments: Sealed box of 75 litres for an F3 of 38Hz.  
Vented box 110L for an F3 of 27Hz with a 7.5cm diameter vent by 25cm

Impedance	6Ω Nom. (Re 4.2Ω)
Fs	19Hz
Sens.	90dB
Power	200Wrms
Qms	5.1
Qes	0.43
Qts	0.40
Vas	260L
Code	SB34NRX75-6



ACOUSTICS



## SB ACOUSTICS 12" WOOFER

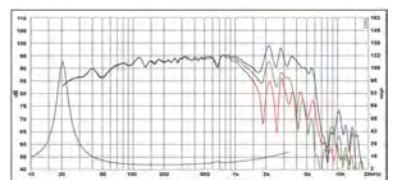
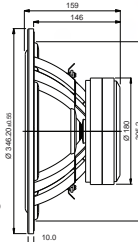
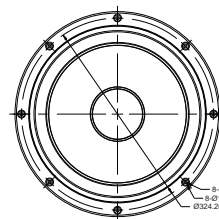
### PAPYRUS CONE 8Ω

Hard paper cone for improved piston operation (made in-house) with  
large motor system with under-cut pole piece and dual shorting rings.  
Vented pole piece and vented cast aluminium chassis for optimum  
strength and low compression. 3" copper voice coil for improved power  
handling with long life silver lead wires. Low damping rubber surround  
for improved dynamic linearity. Non-conducting fibre glass voice coil  
former for minimum damping. Optimized driver for vented enclosures.

Impedance	8Ω Nom. (Re 6.2Ω)
Le	1.2mH
Fs	22Hz
Sens.	91dB
Power	200Wrms
Qms	5.5
Qes	0.29
Qts	0.28
Vas	205L
Code	SB34NRXL75-8



ACOUSTICS



## SB ACOUSTICS 12" SUB-WOOFER

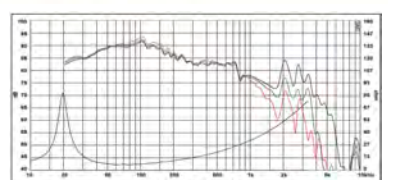
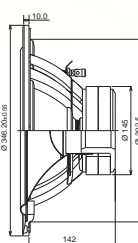
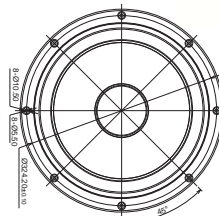
### SUB-WOOFER VERSION

Hard Paper proprietary cone materials made in-house for consistency.  
Low damping SBR rubber surround with high exertion and resilience.  
Open structure cast frame for reduced reflections and compression.  
Aluminium alloy for light weight, non-magnetic (Low Le) and extra  
rigidity. Shorting Copper cap on pole piece. Non-inductive 75mm coil  
former. Heavy-duty high-temperature 4 layer voice coil version. For  
use as subwoofer.

Impedance	6Ω Nom. (Re 4.5Ω)
Fs	18Hz
Le	3.0 mH
Sens.	88dB
Power	200Wrms
Qms	7.3
Qes	0.35
Qts	0.33
Vas	183 L
Code	SB34SWNRX-S75-6



ACOUSTICS





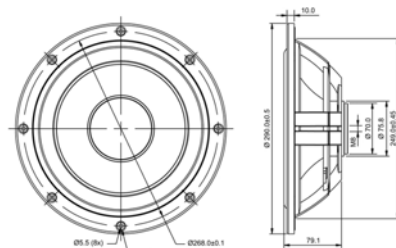


# Audio Speakers & PA

## SB ACOUSTICS 10" PASSIVE RADIATOR

This driver is built similar to the active woofer and is a good match to the SB29SWNRX-S75 10" subwoofer. In 0.75 to 1.0 cubic foot with that woofer you have an F3 of about 35Hz. It also mates well with the SB29NRX75-6 10" woofer. In 1.0 to 1.3 cubic foot, your F3 is 38Hz. Using a plate amp with a low frequency boost, you would go even lower.

Fs	10.2Hz
Cms	0.48mm/N
Rms	3Kg/s
Mms	505g
Sd	312cm <sup>2</sup>
Qms	10.8
Vas	66L
Code	SB29NRX-00



ACOUSTICS

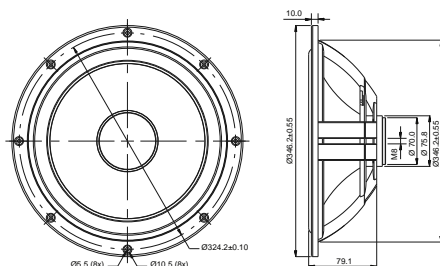


## SB ACOUSTICS 12" PASSIVE RADIATOR

### MATCHED TO SB34SWNRX-S75

This passive radiator is a good match to the SB34SWNRX-S75. Hard paper cone for improved piston operation (made in-house) with a cast aluminium chassis for optimum strength and low damping medium hardness rubber surround for improved dynamic linearity and mechanical stability. Easily adjustable moving mass for fine tuning. The disc weight (50g Included) is used to adjust the moving mass of the passive radiators. Use an M8 bolt for mounting.

Fs	8.7Hz
Cms	0.5mm/N
Rms	3kg/s
Mms	665g
Sd	508cm <sup>2</sup>
Qms	12.1
Vas	183L
Code	SB34NRX-00



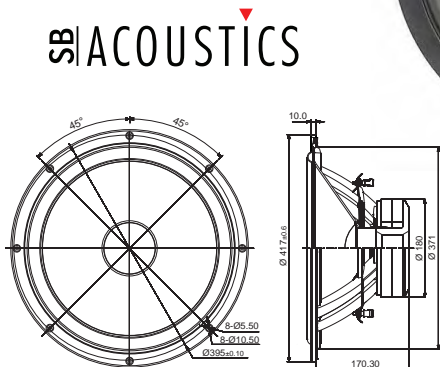
This passive radiator is a good match to the SB Acoustics 12" Sub-Woofer SB34SWNRX-S75. In a 2.0 to 2.5 cubic foot box this combo will get down to 30Hz, ideal for Home Theatre in a large home. Adding a plate amplifier with a low frequency boost would push the F3 even lower.

## SB ACOUSTICS 15" WOOFER

### HONEYCOMB CONE

Hard Paper proprietary cone materials made in-house for consistency. Low damping SBR rubber surround with high exertion and resilience. Open structure cast frame for reduced reflections and compression. Aluminium alloy for light weight, non-magnetic and extra rigidity. Shorting Copper cap on pole piece. Non-inductive 75mm coil former. Suggested Alignments: Sealed box of 85 litres for an F3 of 45Hz. Vented box 140L for an F3 of 32Hz with a 10cm diameter vent by 18cm

Impedance	6Ω Nom. (Re 4.6Ω)
Fs	22Hz
Sens.	93dB
Power	300Wrms
Qms	7.0
Qes	0.40
Qts	0.38
Vas	331L
Code	SB42FHC75-6



ACOUSTICS







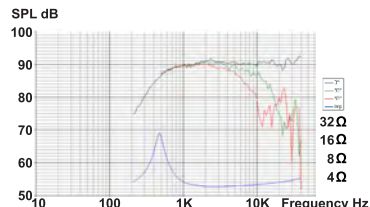
## □ Scan-Speak

### SCAN-SPEAK 1" RING RADIATOR 3004 SERIES

#### ILLUMINATOR RING RADIATOR

The large-roll surround and textile dome ring radiator provides a flat frequency response to above 30KHz with outstanding off-axis dispersion. The face plates are die cast in aluminium for maximum mechanical stability. Scan-Speak's unique AirCirc Magnet System six separate neodymium slugs. This, in combination with the chamber, results in the elimination of the reflections and resonances that compromise traditional motors. Rubber painted aluminium diecast faceplate, Silver.

Impedance	3.0Ω (Re 4Ω)
Power	100Wnom
Sens.	90.4dB
Fs	520Hz
Sd	5.6cm <sup>2</sup>
Le	0.03mH
Mms	0.3g
Code	R3004-662001

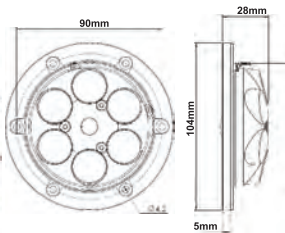
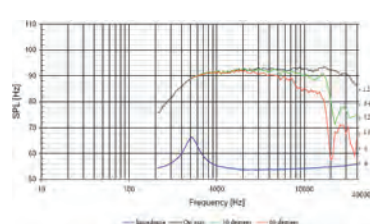


### SCAN-SPEAK 1" DOME TWEETER 3004 SERIES

#### EXTENDED DISPERSION CHARACTERISTIC OF A SMALLER DOME

Unique AirCirc Magnet System, optimises air flow within the chamber rearranges the traditional magnet structure from a single magnet to an open magnetic circuit comprised of six separate neodymium slugs. This, in combination with the chamber, results in the elimination of the reflections and resonances that compromise traditional motors. D3004 gives engineers improved control over critical midrange performance, Superb vocal rendition and excellent imaging at all listening locations.

Impedance	4Ω (Re 3.5Ω)
Power	90Wnom
Sens.	91.6dB
Fs	500Hz
Sd	7.0cm <sup>2</sup>
Le	0.03mH
Coil	26mmØ
Mms	0.35g
Code	D3004-660000

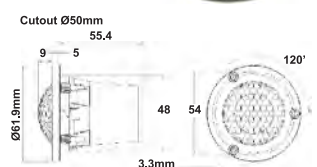
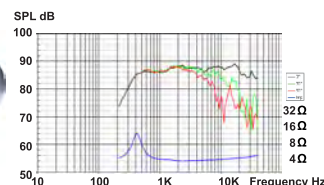


### SCAN-SPEAK 1" RING RADIATOR 3004 SERIES

#### ILLUMINATOR - DEEP CHAMBER

The face plates are die cast in aluminium for a beautiful modern look and maximum mechanical stability. Optimised to offer a small package that can fit into tight spaces such as compact cabinets & automotive trim. Protective grille. Ring neodymium magnet. Beautiful sound up to 40KHz. The back chamber is die cast in aluminium and designed with a contoured shape that functions as a heat sink in high power applications.

Impedance	3.0Ω (Re 4Ω)
Power	50Wnom 130Wmax
Sens.	87.4dB
Fs	420Hz
Sd	5.6cm <sup>2</sup>
Le	0.02mH
Mms	0.35g
Code	R3004-602010

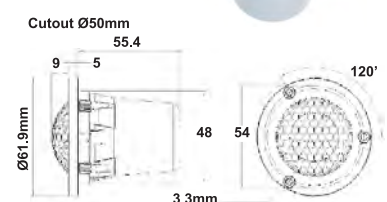
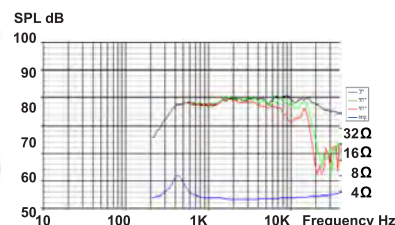


### SCAN-SPEAK 1" DOME TWEETER 3004 SERIES

#### COMPACT 60mm FACIA - DEEP CHAMBER

The face plates are die cast in aluminium for a beautiful modern look and maximum mechanical stability. Optimised to offer a small package that can fit into tight spaces such as compact cabinets & automotive trim. Protective grille. Ring neodymium magnet. Deep chamber for lower resonance die cast in aluminium and designed with a contoured shape for heat sinking Exceptional monitor quality sound and all-round versatile tweeter package.

Impedance	3.0Ω (Re 4Ω)
Power	50Wnom 130Wmax
Sens.	89.6dB
Fs	425Hz
Sd	7.0cm <sup>2</sup>
Le	0.02mH
Mms	0.35g
Code	D3004-602010







# Audio Speakers & PA

## SCAN-SPEAK 1" RING RADIATOR 2904 SERIES

Incredible bandwidth of over 80KHz giving unsurpassed phase and tonal characteristics with a warm sound that improves over even the ribbon. Innovative "SD-2" neodymium magnet motor system improves transient response. No ferro fluid. cooling is performed by a special designed venting system. Non-resonant chamber uses a needle to cut down on cavity air turbulence. Cast magnesium face plate and multiple chamber back. Attractive too. A culmination of Scan-Speak technologies and experience.

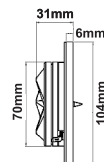
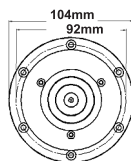
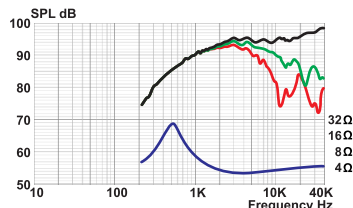
- 1" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Aluminium Rear Chamber
- Patented Phase Plug Design
- Large Ring Neo Magnet for High Output
- Silver Anodized Machined Alu Face Plate



### Dual Concentric Ring Radiator



Impedance	4Ω (Re 3.0Ω)
Power	150W <sub>nom</sub>
Sens.	94.5dB
Fs	520Hz
Sd	5.6cm <sup>2</sup>
Le	0.01mH
Coil	25mmØ
Md	0.30g
Code	R2904-700000



## SCAN-SPEAK 1" DOME TWEETER 2904 SERIES

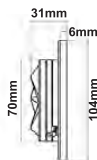
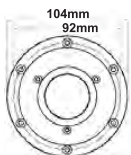
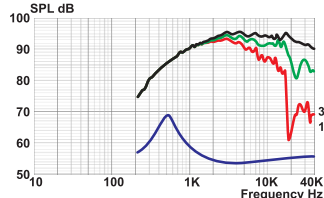
Champagne coloured machined aluminium face plate with 6 anchor bolts. Newly updated and optimised, premium one piece textile dome transducer. Non-resonant multiple chamber, low compression, beautifully designed. "SD-2" Neodymium magnet symmetric drive motor system, shielded. Very low distortion at any volume. Impressive wide dispersion plate. 40KHz bandwidth shows excellent phase and transient response. Note the smooth roll-off low-end for easy crossover design.

- 1" Coated Textile Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Large Ring Neo Magnet f. High Output
- Black Anodized Machined Alu Face Plate

Manufactured  
In Denmark



Impedance	4Ω (Re 3.7Ω)
Power	90W <sub>rms</sub> 150W <sub>max</sub>
Sens.	94.4dB
Fs	520Hz
Sd	7.0cm <sup>2</sup>
Le	0.01mH
Coil	26mmØ
Md	0.4g
Code	D2904-710000



## SCAN-SPEAK 1" DOME TWEETER 2904 SERIES

Black anodised machined aluminium Face Revelator Super-Tweeter Premium enhanced and optimised one piece textile dome transducer. Non-resonant multiple chamber, low compression, beautifully designed. "SD-2" Neodymium magnet symmetric drive motor system, shielded. Very low distortion at any volume. Impressive wide dispersion plate.

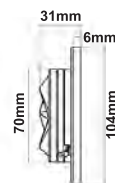
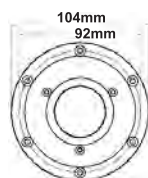
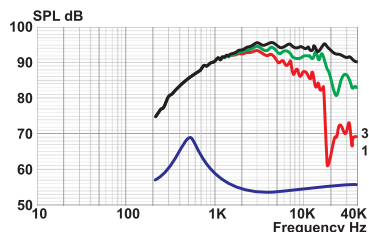
- 1" Coated Textile Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Large Ring Neo Magnet f. High Output
- Black Anodized Machined Alu Face Plate



### SD-2 NEODYMIUM NON-RESONANT MULTI-CHAMBER BACK CAVITY



Impedance	4Ω (Re 3.0Ω)
Power	160W <sub>nom</sub>
Sens.	94.5dB
Fs	520Hz
Sd	7.0cm <sup>2</sup>
Le	0.01mH
Coil	25mmØ
Md	0.35g
Code	D2904-710001





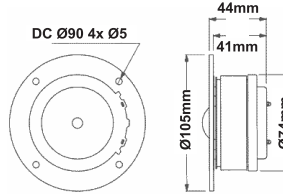
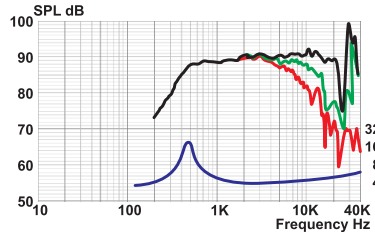


## SCAN-SPEAK 1¼" DOME TWEETER 2904 SERIES

### ALUMINIUM DOME WITH DIFFUSER CAP

Symmetric Drive technology that almost eliminates electrical phase shift. A carefully designed chamber & minimises air noise and compression. The geometry of the light-weight aluminium dome causes the typical characteristic "break-up" peak to appear far beyond the audible range. A special diffuser is used to equalise the response in the upper octave. SD-2 motor Low compression Non-resonant chamber Revelator design. This premium tweeter is characterised by a very clean and open sound.

Impedance	4Ω (Re 3.5Ω)
Power	100Wnom
Sens.	90.0dB
Fs	500Hz
Sd	8.5cm
Coil	28mm
Lead	0.01mH
Mms	0.50g
Code	D2904-980000

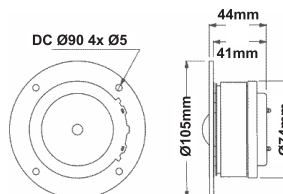
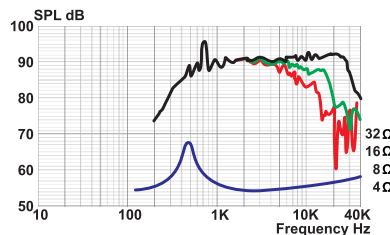


## SCAN-SPEAK 1¼" DOME TWEETER 2904 SERIES

### CLASSIC LINE SOFT DOME HIGH POWER FERRO FLUID COOLED SMOOTH

Symmetric Drive technology that almost eliminates electrical phase shift. A carefully designed chamber & minimises air noise and compression. Revelator series experience is applied to a high-power 1" dome tweeter. Special formulated doped textile for rigid but light weight transducer. Ferro-Fluid cooled and resonant damped 28mm voice coil. 4 ohm impedance Aluminium face plate. 180 Watt power when crossover at 2.8KHz 12dB/Oct\* SD-2 motor Low compression Non-resonant chamber from Revelator design.

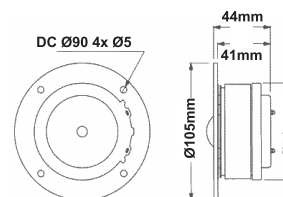
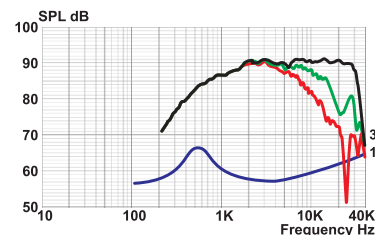
Impedance	4Ω (Re 3.5Ω)
Power	180Wnom*
Sens.	91.5dB
Fs	500Hz
Sd	8.5cm
Le	0.04mH
Coil	28mm
Mms	0.50g
Code	D2904/9600SE



## SCAN-SPEAK 1" DOME TWEETER D2905 SERIES

Textile diaphragm 1" with a smooth, detailed and very transparent sound and low levels of distortion. To achieve high resolution and better detail reproduction, a special coating material is used. This complicated coating process is done by hand several times to obtain a unique combination of dynamic linearity and low resonances. A light ferro-fluid is used for minimal micro-dynamic nonlinearities.

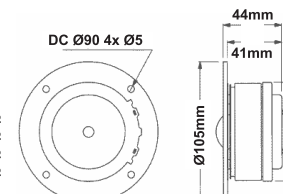
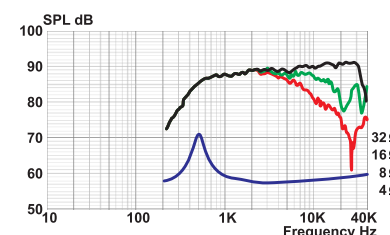
Impedance	8Ω (Re 4.7Ω)
Power	150Wrms
Sens.	90dB
Fs	550Hz
Sd	8.5cm
Le	0.08mH
Coil	28mm
BI	3.5Tm
Md	0.45g
Code	D2905-950000



## SCAN-SPEAK 1" DOME TWEETER 2905 SERIES

Textile diaphragm 1" similar to the other D2905 series with the addition of Symmetric Drive Technology which almost eliminates electrical phase shift. Specially designed chamber under the cloth surround minimises air noise and compression. Not ferro fluid damped. Anti-resonator-plug in the rear damping chamber eliminates turbulence. Attention to manufacturing detail produces Scan-Speak excellence.

Impedance	8Ω (Re 4.7Ω)
Power	225Wrms
Sens.	89.5dB
Fs	500Hz
Sd	8.5cm
Le	0.01mH
Coil	28mm
BI	3.5Tm
Md	0.45g
Code	D2905-970000





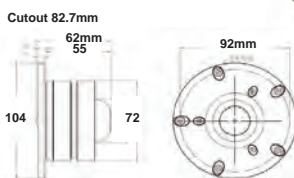
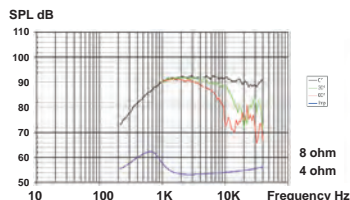


# Audio Speakers & PA

## SCAN-SPEAK 1" RING-RADIATOR 2604 SERIES

**PREVIOUSLY VIFA XT25TG30-04** made in Denmark by Scan-Speak. Dual concentric silk fabric diaphragm with wave guide centre plug Double chamber with damping for a low resonance rear cavity 550Hz Distortion reducing shorting ring and copper clad aluminium wire Phase plug also enables an extended upper frequency response 40KHz This is the Danish version of the popular and innovative Vifa unit. Made in Denmark, these units have also been improved upon. 5 Bolt poly-facia.

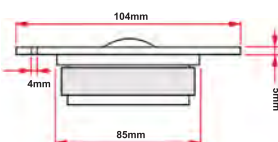
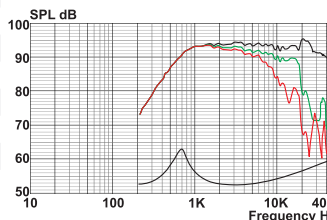
Impedance	2.9Ω (Re 4Ω)
Power	550Wmax, 180Wrms
Sens.	92.4dB
Fs	630Hz
Sd	5.4cm <sup>2</sup>
Coil	26mmØ
Mag.	480g 75mmØ
Mms	0.3g
Code	R2604-833000



## SCAN-SPEAK 1" DOME TWEETER 2604 SERIES

**PREVIOUSLY VIFA DX25TG05-04** made in Denmark by Scan-Speak. Extended high frequency response and good off-axis performance Specially treated lightweight silk fabric diaphragm dome Oversized surround structure. Copper-clad aluminium wire. A critically damped rear chamber. 5 hole poly faceplate.

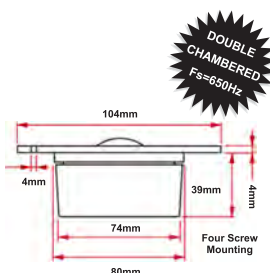
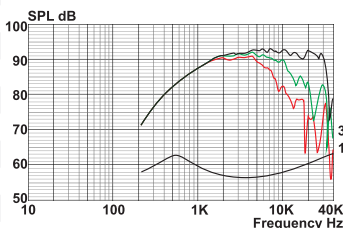
Impedance	4Ω (Re 2.8Ω)
Power	100Wrms
Sens.	92dB
Fs	630Hz
Coil	25mm
Qms	3.46
Qes	1.02
Qts	0.79
Code	D2604-830000



## SCAN-SPEAK 1" DOME TWEETER 2606 SERIES

**FORMERLY VIFA D27TG35-04** Manufactured in Denmark by Scan-Speak. Large double chambered back with vented pole piece & dampened cavity Silk fabric dome. Ferro fluid cooling. Low resonance frequencies. Extra-wide bandwidth driver suitable for upper-mids to silky smooth highs!

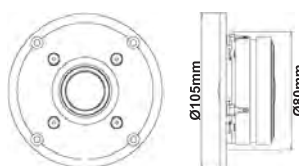
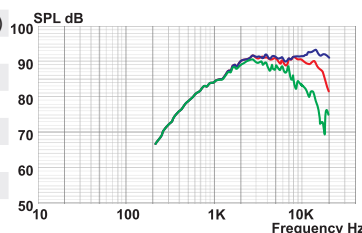
Impedance	6Ω (Re 4.6Ω)
Power	225Wmax, 100Wrms
Sens.	91dB
Fs	650Hz
Sd	7.1cm <sup>2</sup>
Le	0.01mH
Coil	26mmØ
Mms	.33g
Qms	0.95
Qes	0.77
Qts	0.43
Vas	0.01L
Code	D2606-922000



## SCAN-SPEAK 1" DOME TWEETER 2608 SERIES

D2608 is manufactured in Denmark by Scan-Speak. Very light, low mass soft dome diaphragm with high internal damping in a Highly optimised, low compression, vented magnet system especially to suit. This design allows use with a lower than normal crossover frequency point. Double magnet. High efficiency. Magnetic fluid. Die cast aluminium facia. Excellent entertainment system performer suitable for a large range of purposes.

Impedance	10.82Ω (Re 5.6Ω)
Power	130Wrms (3K-20KHz)
Sens.	93dBm
Fs	700Hz
Sd	7.5cm <sup>2</sup>
Le	0.03mH
Coil	26mmØ
Mms	0.23g
Code	D2608-913000



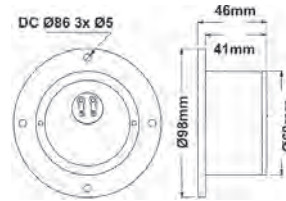
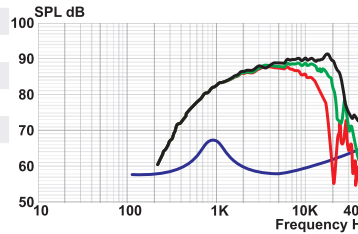




## SCAN-SPEAK 3/4" DOME TWEETER 2010 SERIES

Textile diaphragm 3/4", hand coated. Featuring a foam face plate. This reduces mechanical resonances, etc. Ferro fluid cooled. Very smooth response and wide dispersion. High power handling. Optimised double chamber provides perfect tuning and damping. Acoustic damping of the diaphragm surround reduces distortion. Sound reproduction is detailed and a very dynamic Scan-Speak.

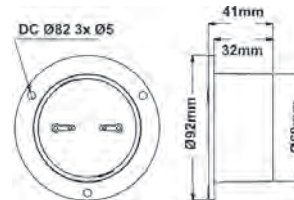
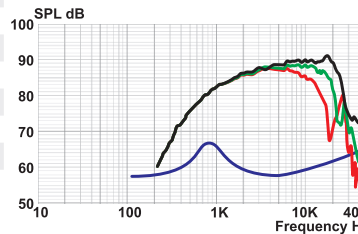
Impedance	8Ω (Re 5.7Ω)
Power	210Wmax, 150Wrms
Sens.	90dB
Fs	800Hz
Sd	3.8cm
Le	0.07mH
Coil	19mm
BL	2.4Tm
Code	D2010-851300



## SCAN-SPEAK 3/4" DOME TWEETER D2008 SERIES

Textile diaphragm 3/4", hand coated. Ferro fluid cooled. Very smooth response and wide dispersion. High power handling. Optimised double chamber provides perfect tuning and damping. Acoustic damping of the diaphragm surround reduces distortion, stabilises the acoustic centre for a high end sound that is a premium example of why Scan-Speak's reputation is so highly regarded.

Impedance	8Ω (Re 5.7Ω)
Power	210Wmax 150Wrms
Sens.	90dB
Fs	800HZ
Sd	3.8cm
Le	0.07mH
Coil	19mm
Md	0.25g
Code	D2008-851200

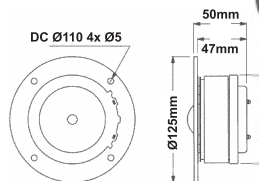
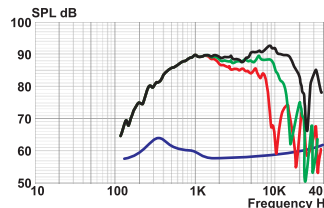


## SCAN-SPEAK 1 1/2" DOME MIDRANGE-TWEETER

### SD-2 UPPER MIDRANGE DRIVER

Extending the highly regarded technology developed for the class leading tweeters, the SD-2 motor virtually eliminates electrical phase shift. Made from a special formulated doped textile for low mass & long-life. It has a very smooth response and good dispersion and reproduces music with extreme clarity and integrity. Depth perspectives are very accurate. The vent pole piece is damped by porous foam pad for correct tuning and coupling to the rear chamber. The surround is partly covered by the front ring to minimise distortion products and further improves phase response.

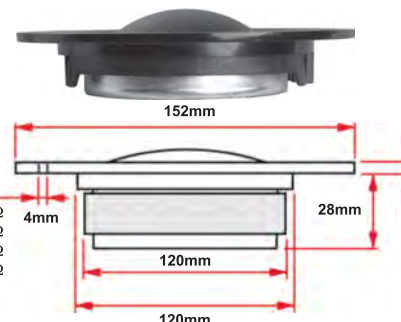
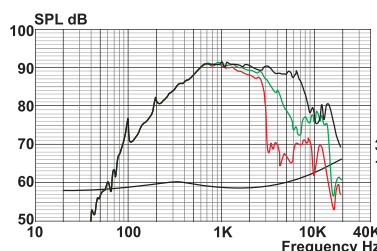
Impedance	8Ω (Re 5.7Ω)
Power	100Wmax
Sens.	90dB
Fs	450Hz
Le	0.04mH
Coil	38mm (Sd=14cm)
Code	D3806/820000



## SCAN-SPEAK 3" DOME MIDRANGE

**FORMERLY VIFA D75MZ41-08** D7608 is manufactured in Denmark by Scan-Speak. Precoated textile dome with low moving mass provides a very smooth and natural sound with excellent on & off axis mid frequency response. Ferro fluid cooled 3" voice coil with low-profile compact internal magnet. Improved linear performance for easy crossover matching with other drivers. Superb, popular dome midrange. Requires separated ~1.5L back chamber box.

Impedance	8Ω (Re 5.9Ω)
Power	80Wrms, 115Wmax
Sens.	92dB
Fs	300Hz
Sd	55cm²
Coil	75mmØ
Mag.	240g
Qms	7.75
Qes	2.22
Vifa	D75MX-41-08
Code	D7608-920010





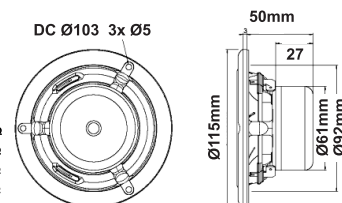
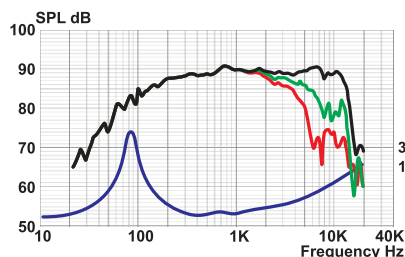


# Audio Speakers & PA

## SCAN-SPEAK 2½" MIDRANGE REVELATOR

Heavy-duty cast alloy frame and pole ventilated magnet system. Sandwich paper cone doped, textile dust cap, all coated. Rubber surround, large spider, maximising coil linearity. Open back design for optimising resonances, requires chamber. Absolute premium construction achieving phenomenal mid acoustics. Crossover point is recommended at 300Hz for maximum power handling.

Impedance	8Ω (Re 4.7Ω)
Power	40Wrms (@300Hz)
Sens.	89dB
Fs	75Hz(Fs)8KHz
Sd	49cm
Coil	38mm (0.22mH)
Qms	5.57
Qes	0.35
Qts	0.33
Vas	5.57
Code	12M4631G00

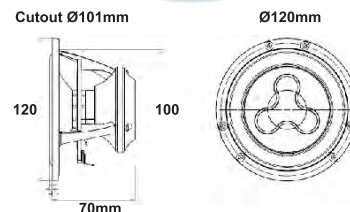
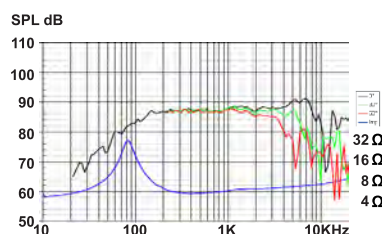


## SCAN-SPEAK 4" MIDRANGE ILLUMINATOR

### NEODYMIUM UNDER-HUNG MOTOR SYSTEM

The illuminator midranges are based on compact under-hung motor systems with large neodymium ring magnets. The patent pending motor offers a very long linear excursion together with a very high force factor. The top plate is shaped to "guide" the backside airflow around the motor and with the very open cast-aluminium chassis design the driver is virtually free from compression and any turbulence type distortions.

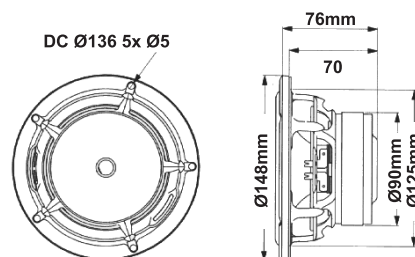
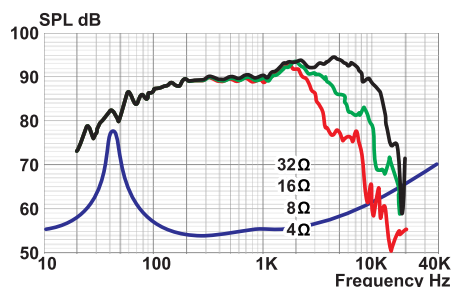
Impedance	4Ω (Re 3.1Ω)	8Ω (Re 5.9Ω)
Power	80Wrms	80Wrms
Sens.	90.0dB	87.2dB
Fs	64.0Hz	66.0Hz
Le	0.11mH	0.13mH
Qms	3.64	3.63
Qes	0.26	0.31
Qts	0.24	0.29
Vas	5.4L	5.9L
Code	12MU/4731T00	12MU8731T00



## SCAN-SPEAK 5½" MIDRANGE REVELATOR

This premium reference driver features a non-resonant, paper pulp, spiral ribbed, doped, cone and textile cap structure. Dynamic linear suspension, "SD-1" magnet system, tapered pole vent, a beautiful "Grasshopper" aerodynamic cast chassis with maximised air flow and resonance terminating mounting system. Achieves minimum resonances, low compression, high linearity, fast, dynamic, high sound pressure.

Impedance	4Ω (Re 3.5Ω)
Power	60Wrms
Sens.	90dB
Fs	35Hz(1006KHz)
Sd	95cm
Coil	38mm (0.17mH)
Qms	4.80
Qes	0.24
Qts	0.22
Vas	24L
Code	15M4531K00





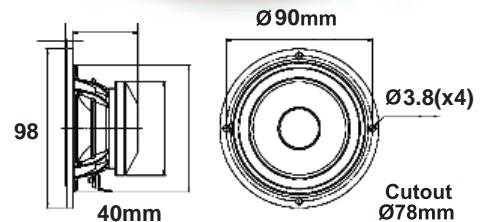
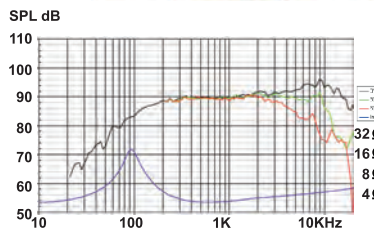
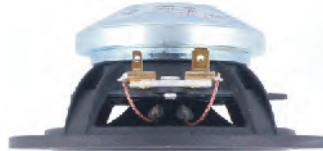


## SCAN-SPEAK 4" WIDEBAND

### DISCOVERY SERIES NEODYMIUM MAGNET & COATED FIBREGLASS CONE

The Discovery series is designed for the discerning audiophile customer. To meet the needs of this audience, several new technologies were developed with the goal of lowering distortion and damping in the speaker. The coated fibreglass cone reduces vibration and standing waves, and the vented motor system minimises power compression. The combined result is a very open and dynamic sound.

Impedance	3.2Ω (Re 4Ω)
Power	15Wrms 30Wmax
Sens.	89.76dB
Fs	90Hz
Le	0.1mH
Qms	3.21
Qes	0.32
Qts	0.30
Vas	2.06L
Code	10F/4424G00

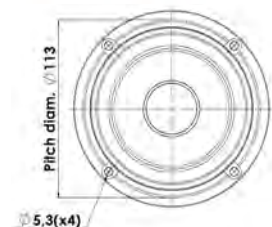
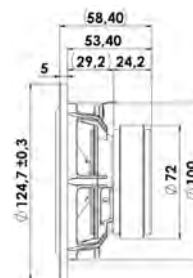
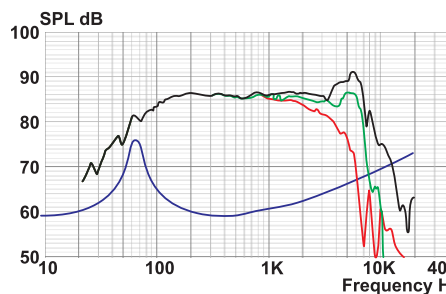


## SCAN-SPEAK 4.5" MID-WOOFER

### FIBREGLASS CONE ALLOY FRAME DISCOVERY LINE

The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses for a tailor-made Scan-Speak solution with very good performance at a reasonable low price point. The 12W/8524G has the same frame size and should be considered as a good replacement for the PL11WH09-08 or PL11WG09-08.

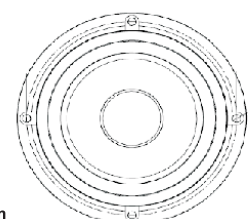
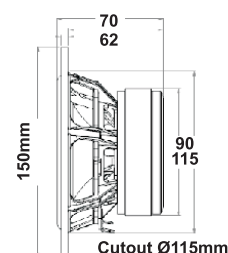
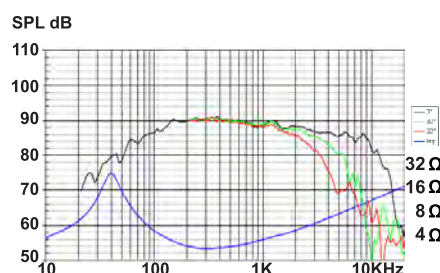
Impedance	8Ω (Re 5.7Ω)
Power	70Wmax (40Wrms)
Sens.	85.8dB
Fs	52Hz
Le	0.6mH
Qms	3.42
Qes	0.35
Qts	0.32
Vas	8.2L
Code	12W/8524G00



## SCAN-SPEAK 5" MID-WOOFER GF SERIES

The GF series is designed for the discerning audiophile customer. To meet the needs of this audience, several new technologies were developed with the goal of lowering distortion and damping in the speaker. The coated fibreglass cone reduces vibration and standing waves, and the vented motor system minimises power compression. The combined result is a very open and dynamic sound.

Impedance	4.1Ω (Re 3.0Ω)
Power	60Wrms 120Wmax
Sens.	89.70dB
Fs	43Hz
Le	0.5mH
Qms	3.69
Qes	0.22
Qts	0.21
Code	15W4434G00





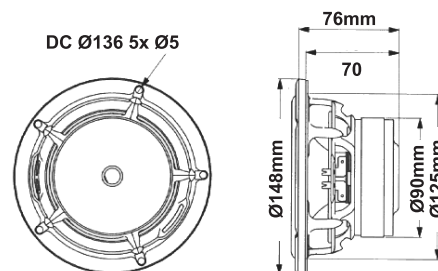
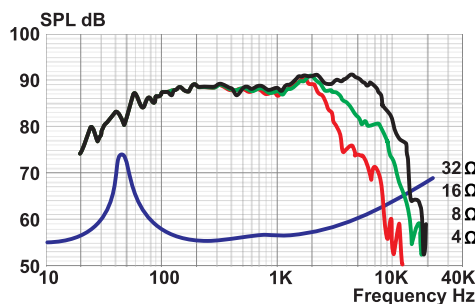


# Audio Speakers & PA

## SCAN-SPEAK 5½" WOOFER REVELATOR

Features a slit-paper uncoated non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximised air flow, glass fibre voice coil former and resonance terminating mounting system. The 15W/4531G provides a more extended frequency response than it's brothers, but still fantastic bass down to the mid 50's in a vented enclosure.

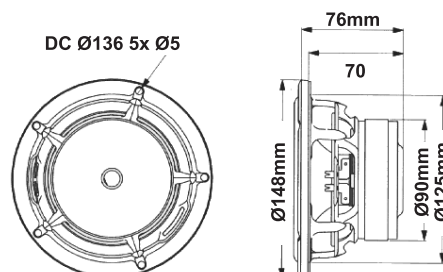
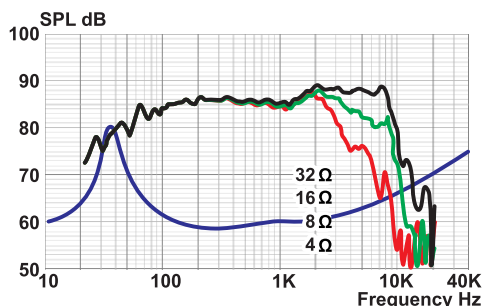
Impedance	4Ω (Re 3.4Ω)
Power	60W
Sens.	87dB
Fs	40Hz
Qms	4.60
Qes	0.34
Qts	0.32
Code	15W/4531G00



## SCAN-SPEAK 5½" MID-WOOFER REVELATOR

This premium reference driver features a non-resonant, paper pulp, spiral ribbed, doped, cone and textile cap structure. Dynamic linear suspension, "SD-1" magnet system, tapered pole vent, a beautiful "Grasshopper" aerodynamic cast chassis with maximised air flow and resonance terminating mounting system. Achieves minimum resonances, low compression, high linearity, fast, dynamic, high sound pressure.

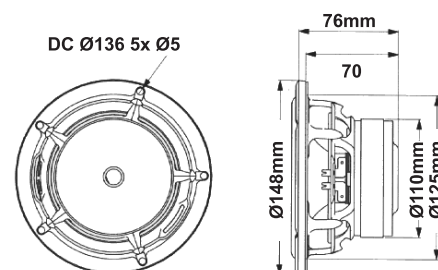
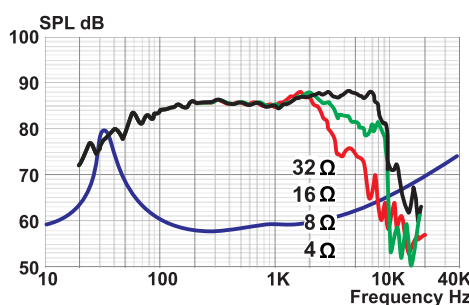
Impedance	8Ω (Re 5.8Ω)
Power	60Wrms
Sens.	84.5dB
Fs	30Hz(Fs)6KHz
Sd	95cm <sup>2</sup>
Coil	38mm (0.35mH)
Qms	5.23
Qes	0.44
Qts	0.41
Vas	24.0L
Code	15W8530K01



## SCAN-SPEAK 5½" MIDRANGE REVELATOR

Features a non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast aluminium chassis with maximised air flow and resonance terminating mounting system. Less resonance in all structures, lower compression and higher linearity, faster termination of excess energy and higher sound pressure capability gives Scan-Speak more musical and dynamic capability.

Impedance	8Ω (Re 6.9Ω)
Power	60Wrms
Sens.	85.5dB
Fs	30Hz
Sd	95cm <sup>2</sup>
Coil	38mmØ (0.35mH)
Qms	4.90
Qes	0.29
Qts	0.27
Code	15W8530K00



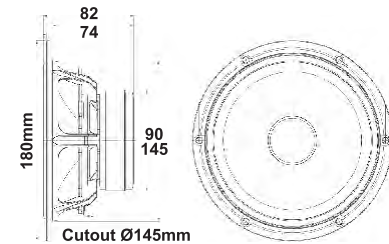
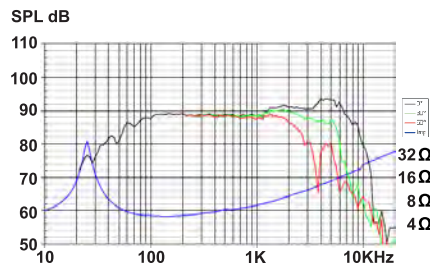




## SCAN-SPEAK 6" MID-WOOFER GF SERIES

The GF series is designed for the discerning audiophile customer. Driver Highlights: Aluminium Chassis, Fibreglass cone, NR rubber surround, Vented below Spider. The coated fibreglass cone reduces vibration and standing waves and the vented motor system minimises power compression. The combined result is a very open and dynamic sound.

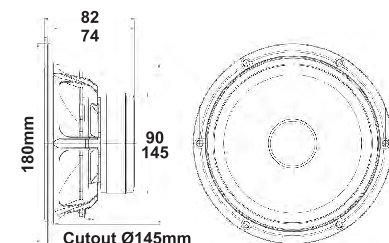
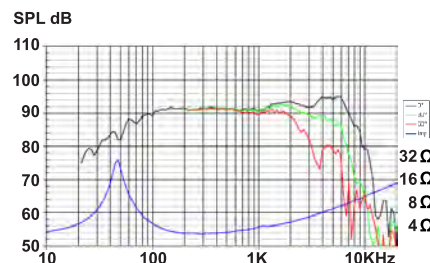
Impedance	8Ω (Re 5.6Ω)
Power	55Wrms 170Wmax
Sens.	88.7dB
Fs	50Hz
Qms	7.58
Qes	0.46
Qts	0.44
Code	18W8434G00



## SCAN-SPEAK 6" MID-WOOFER GF SERIES

The GF series is designed for the discerning audiophile customer. Driver Highlights: Aluminium Chassis, Fibreglass cone, NR rubber surround, Vented below Spider. The coated fibreglass cone reduces vibration and standing waves and the vented motor system minimises power compression. The combined result is a very open and dynamic sound.

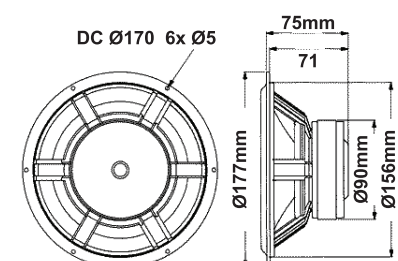
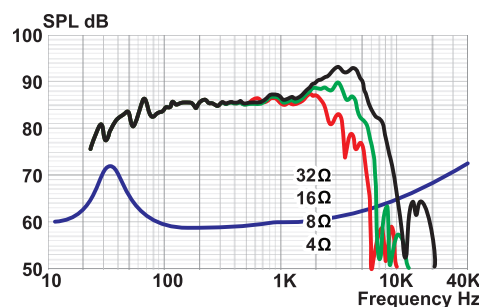
Impedance	4Ω (Re 3.0Ω)
Power	55Wrms 170Wmax
Sens.	91.3dB
Fs	47.26Hz
Qms	7.81
Qes	0.37
Qts	0.35
Vas	20.86L
Code	18W4434G00



## SCAN-SPEAK 6½" MID-WOOFER

Specially developed Carbon fibre filled paper pulp cone is impregnated and coated to dampen resonances normally associated with stiff cones. The low loss linear suspension, "SD-1" ventilated magnet system, molded rubber surround, all combine to provide dynamic linearity and very low colouration & distortion. This driver is optimised for larger bass reflex enclosures, reproducing very deep, precise bass.

Impedance	8Ω (Re 5.8Ω)
Power	70Wrms
Sens.	88.5dB
Fs	26Hz(Fs)3500KHz
Sd	145cm
Coil	38mm (0.30mH)
Qms	2.50
Qes	0.45
Qts	0.38
Vas	72L
Code	18W8535-00





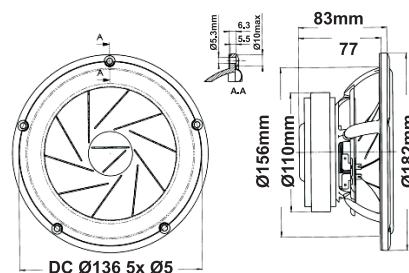
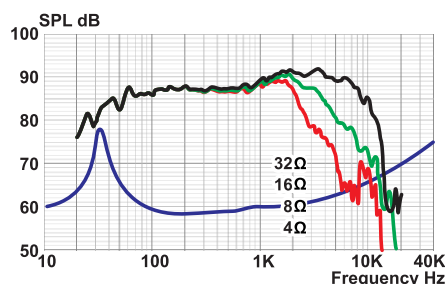


# Audio Speakers & PA

## SCAN-SPEAK 6½" MID-WOOFER REVELATOR

The Revelator series of woofers has for years been celebrated for reproducing the best sounding dynamic transducers in the world. This driver features a non-resonant cone and dust-cap structure, dynamic linear suspension, SD-1 patented magnet system, "Grasshopper" chassis for maximised airflow, and anti-resonance mounting system.

Impedance	8Ω (Re 5.8Ω)
Power	60Wrms
Sens.	87.0dB
Fs	28Hz(Fs)5KHz
Sd	150cm
Coil	38mm (0.35mH)
Qms	5.10
Qes	0.39
Qts	0.36
Vas	59L
Code	18W8531G00

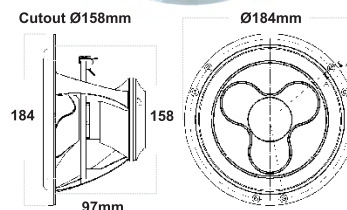
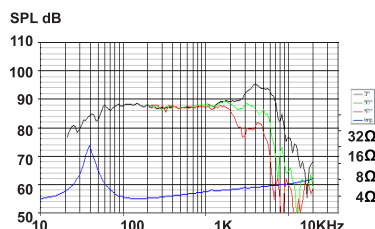


## SCAN-SPEAK 6½" MID-WOOFER ILLUMINATOR

### NEODYMIUM UNDER-HUNG MOTOR SYSTEM

The Illuminator midranges are a compact under-hung motor systems with large neodymium ring magnets. The patent pending motor offers a very long linear excursion together with a very high force factor. The back is shaped to duct the airflow around the motor and with the very open cast-aluminium chassis design the driver is virtually free from compression and any turbulence type distortions.

Impedance	4Ω (Re 3.2Ω)
Power	80Wrms
Sens.	87.2dB
Fs	30.0Hz
Le	0.5mH
Qms	3.56
Qes	0.32
Qts	0.29
Vas	49.4L
Code	18WU/4741T00

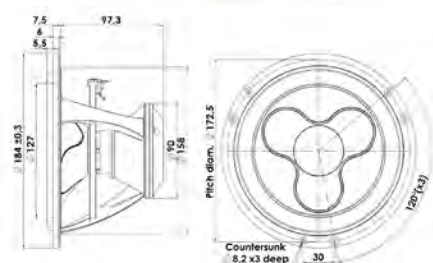
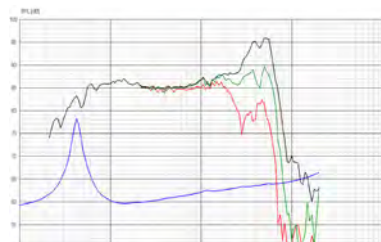


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### NEODYMIUM UNDER-HUNG MOTOR SYSTEM

The Illuminator midranges are a compact under-hung motor systems with large neodymium ring magnets. The patent pending motor offers a very long linear excursion together with a very high force factor. The back is shaped to duct the airflow around the motor and with the very open cast-aluminium chassis design the driver is virtually free from compression and any turbulence type distortions.

Impedance	8Ω (Re 7.5Ω)
Power	80Wrms
Sens.	85.4 dB
Fs	31.0Hz
Le	0.41mH
Qms	3.51
Qes	0.37
Qts	0.33
Vas	48.6L
Code	18WU8741T00



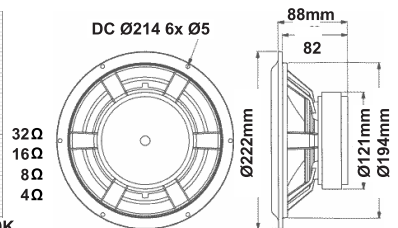
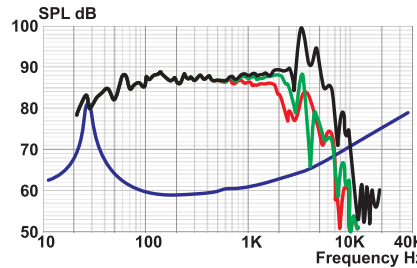




## SCAN-SPEAK 8" WOOFER

Hard paper cone is very rigid and perfect for bass reproduction. A special coating provides sufficient damping to ensure minimum resonances in the bass area. Low loss, linear suspension reduces compression and gives maximum dynamic capability and detailing. The "SD-1" magnet system and the voice coil with copper wire wound on a Kapton foil gives high SPL and low clipping distortion.

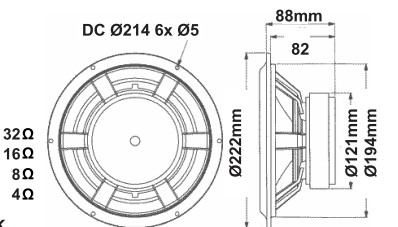
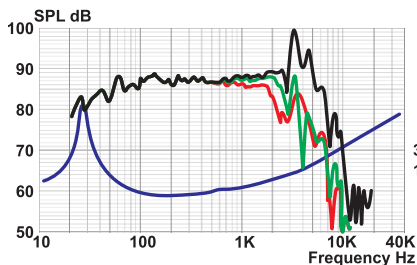
Impedance	8Ω (Re 5.5Ω)
Power	100Wrms
Sens.	87.5dB
Fs	19Hz(Fs)6000Hz
Sd	220cm
Coil	42mm (0.60mH)
Qms	4.80
Qes	0.27
Qts	0.26
Vas	136L
Code	21W8555-00



## SCAN-SPEAK 8" WOOFER

The 21W8555-01 is similar to the "00" but uses copper wire wound former. The hard paper cone is very rigid and perfect for bass reproduction. The special coating provides sufficient damping to ensure a minimum of resonance in the bass area. The low-loss linear suspension reduces compression and gives the drive unit maximum dynamic capability and better detailing. A beautiful "Classic" Scan-Speak driver.

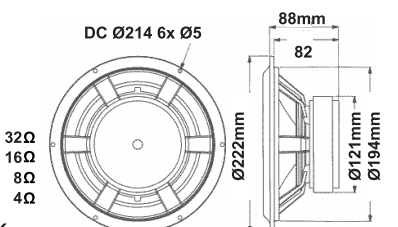
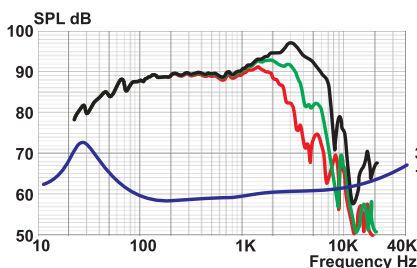
Impedance	8Ω (Re 5.5Ω)
Power	100Wrms
Sens.	87.5dB
Fs	19Hz(Fs)6000Hz
Sd	220cm
Coil	42mm (0.60mH)
Qms	4.80
Qes	0.27
Qts	0.26
Vas	136L
Code	21W8555-01



## SCAN-SPEAK 8" WOOFER

Features a Kevlar cone which is manufactured at Scan-Speaks' own production facilities. The cone is coated in order to obtain the right damping to stiffness ratio. This driver offers very good transient capacity and audible headroom. Symmetric drive magnet system. Die-cast magnesium-aluminium basket. Open spider ventilation. Rubber surround. Yellow cone.

Impedance	8Ω (Re 5.5Ω)
Power	110Wrms
Sens.	90.0dB
Fs	23Hz(Fs)4000KHz
Sd	220cm
Coil	42mm (0.20mH)
Qms	1.70
Qes	0.25
Qts	0.22
Vas	160L
Code	21W8554-00





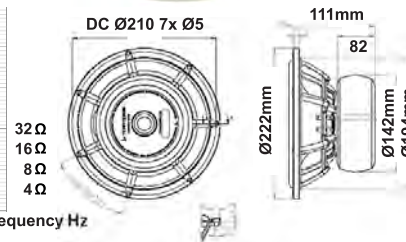
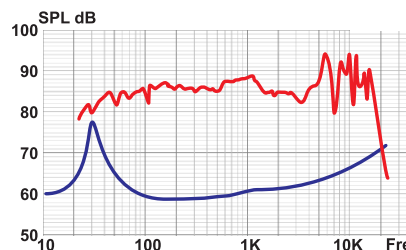


# Audio Speakers & PA

## SCAN-SPEAK 8" WOOFER - BLACK ALUMINIUM CONE

The latest generation of the Revelator woofers incorporates a new aluminium cone design, resulting in an impressive transient response. A metal cone also affords very high power with minimal cone breakup. The output is incredibly natural sounding bass that challenges the listener to tell the difference between the real thing and this drivers faithfully invisible reproduction. Utilises the patented technology with Low loss linear suspension, SD-1 motor system and aluminium cone.

Impedance	8Ω (Re 6.2Ω)
Power	170Wrms
Sens.	86.0dB
Fs	23Hz
Sd	220cm
Coil	50mm (0.35mH)
Qms	4.90
Qes	0.32
Vas	89L
Code	22W8857T00

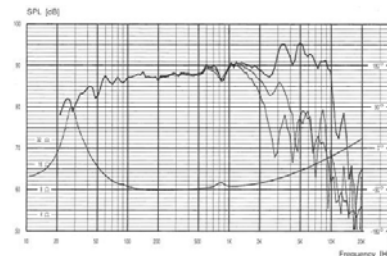
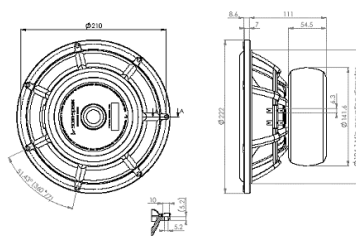


## SCAN-SPEAK 8" WOOFER REVELATOR

### CLASSIC PAPER CONE

Low loss linear suspension, SD-1 motor system, hard paper cone. This robust 8" woofer was designed to provide deep and accurate bass in a small enclosure. 2" voice coil on a titanium former, a low loss linear suspension and symmetric drive motor. The deep set hard paper cone is attached to the frame with a minimal reflection rubber surround. The 9mm X-max insures good linear travel.

Impedance	7.2Ω (Re 6.2Ω)
Power	170Wrms
Sens.	88dB
Fs	21Hz
Coil	50mm (0.35mH)
Qms	5.10
Qes	0.26
Qts	0.25
Vas	127L
Code	22W8851T00

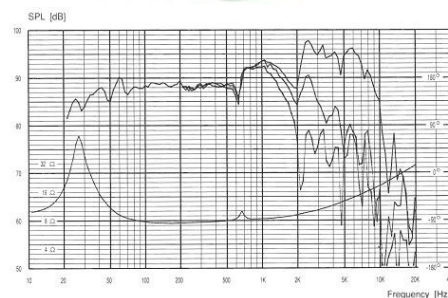
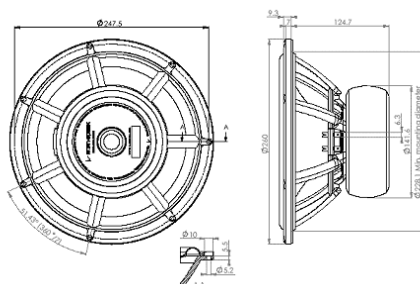


## SCAN-SPEAK 10" WOOFER REVELATOR

### CLASSIC PAPER CONE

Low loss linear suspension, SD-1 motor system, hard paper cone. This robust 10" woofer was designed to provide deep and accurate bass in a small enclosure. 2" voice coil on a titanium former, a low loss linear suspension and symmetric drive motor. The deep set hard paper cone is attached to the frame with a minimal reflection rubber surround. The 9mm X-max insures good linear travel.

Impedance	7.1Ω (Re 6.2Ω)
Power	170W
Sens.	88.5dB
Fs	19Hz
Coil	50mm (0.35mH)
Qms	5.2
Qes	0.33
Qts	0.31
Vas	234L
Code	26W8861T00



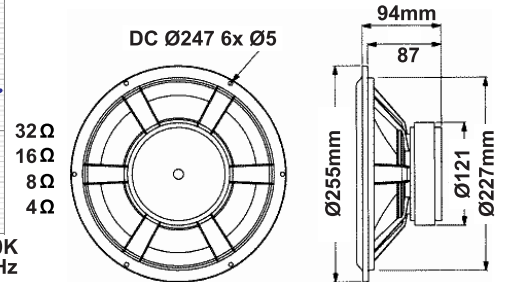
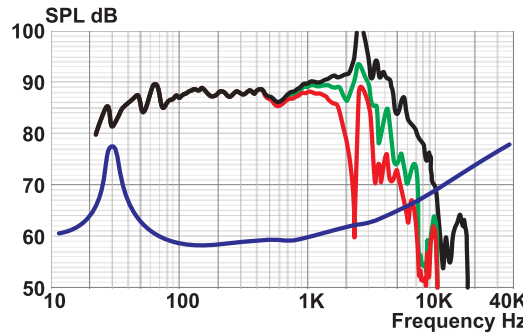




## SCAN-SPEAK 10" WOOFER

Hard paper cone is very rigid and perfect for bass reproduction. A special coating provides sufficient damping to ensure minimum resonances in the bass area. Low loss, linear suspension reduces compression and gives maximum dynamic capability and detailing. The "SD-1" magnet system and the voice coil with copper wire wound on a Kapton foil gives high SPL and low clipping distortion.

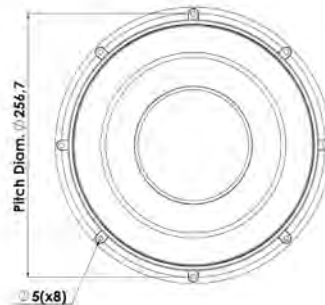
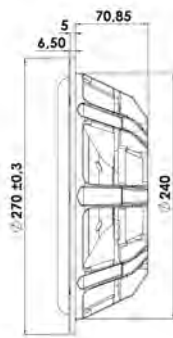
Impedance	8Ω (Re 5.5Ω)
Power	100Wrms
Sens.	88.0dB
Fs	19Hz(Fs)600KHz
Sd	220cm
Coil	42mm (0.60mH)
Qms	5.60
Qes	0.36
Qts	0.34
Vas	229L
Code	25W8565-01



## PASSIVE RADIATOR 10"

The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point! Optimised for 26W/4558T00. Rigid Black Aluminium Cone. Die cast Alu Chassis. Adjustable weight for optimum tuning. Coated Sandwich Fibre Glass Dust Cap.

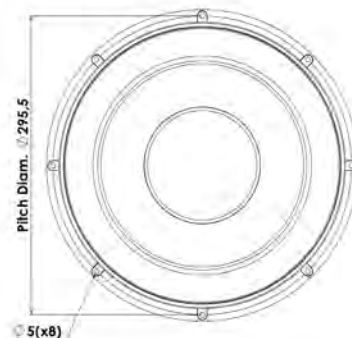
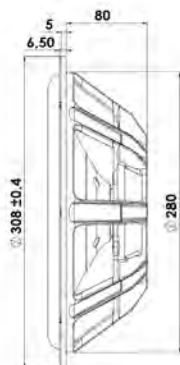
Fs	11Hz
Qms	13.7
Vas	95L
Cms	0.55mm/N
Rms	1.97Kg/s
Mms	400g
Sd	352cm <sup>2</sup>
Xmax	28mm
Code	26W/0-00-00



## PASSIVE RADIATOR 12"

The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - it gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point! Optimised for 30W/4558T00. Rigid Black Aluminium Cone. Die cast Alu Chassis. Adjustable weight for optimum tuning. Coated Sandwich Fibre Glass Dust Cap.

Fs	9.5Hz
Qms	14
Vas	200L
Cms	0.62mm/N
Rms	1.84Kg/s
Mms	435g
Sd	466cm <sup>2</sup>
Xmax	28mm
Code	30W/0-00-00



SCANSPEAK





# Audio Speakers & PA

## Vifa

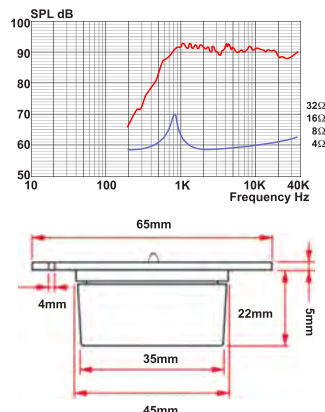
### VIFA 1" DUAL CONCENTRIC NEODYMIUM TWEETER

#### SUPER COMPACT RING RADIATOR TWEETER

Dual concentric diaphragm, wave guide centre plug for excellent on and off axis response in a compact package. An extremely smooth response character gives a "natural" sound. This type of Vifa tweeter is highly acclaimed for audio quality. Compact package makes them suitable for many types of applications.

Impedance	4Ω (Re 3.1Ω)
Power	100Wmax, 50Wrms
Sens.	91.7dB
Fs	837Hz
Coil	25mmØ
Mag.	Neodymium
Qms	6.74
Qes	1.04
Qts	0.90
Code	XT25SC90-04

**vifa**

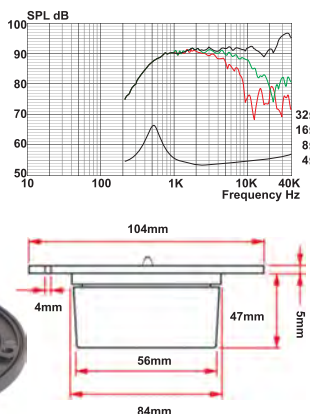


### VIFA 1" DUAL CONCENTRIC SUPER TWEETER

#### RING RADIATOR TWEETER, EXCEEDS 40KHZ BANDWIDTH !

Superb. Dual concentric diaphragm, wave guide centre plug for excellent on and off axis response and a very "natural" sound. An extremely smooth response that extends beyond human hearing Dual chamber for low resonance makes this tweeter also suitable for 2-way systems.

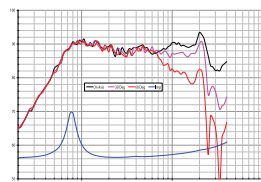
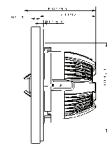
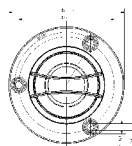
Impedance	4Ω (Re 3.0Ω)
Power	110Wrms
Sens.	91.5dB
Fs	500Hz
Coil	25mmØ
Mag.	240g 75mmØ
Qms	2.50
Qes	0.71
Qts	0.55
Code	XT25TG30-04



### VIFA 3/4" DOME NEODYMIUM TWEETER

The Vifa NE product line of tweeters has leading-edge transducer technology packaged in cutting edge, stylistic designs. The surround fabric (and dome) has been woven from silk and coated for reproducing beautiful acoustics in the extended high end. Vifa's finite element analysis designed high power, high performance, neodymium-iron-boron (NdFeB) motor provides high output in a small unit. Attractive Aluminium face plate and plastic protective grille. This new generation of tweeter offer compact, powerful, efficient level of advanced driver technology. Available in two types of dome material:

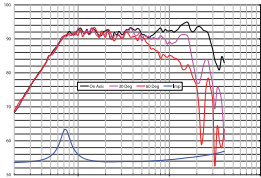
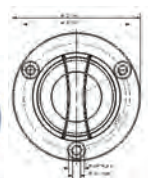
Type	Silk Dome
Impedance	4Ω (Re 2.8Ω)
Power	80Wrms
Sens.	83.2dB
Fs	743Hz
Coil	19.3mm (0.01mH)
Code	NE19VTS-04



### VIFA 1" DOME NEODYMIUM TWEETER

The Vifa NE product line of tweeters has leading-edge transducer technology packaged in cutting edge, stylistic designs. The surround fabric (and dome) has been woven from silk and coated for reproducing beautiful acoustics in the extended high end. Vifa's finite element analysis designed high power, high performance, neodymium-iron-boron (NdFeB) motor provides high output in a small unit. Attractive Aluminium face plate and plastic protective grille. This new generation of tweeter offers a compact, powerful, efficient level of advanced driver technology.

Type	Silk Dome
Impedance	40Ωm (Re 3.1Ω)
Power	80Wrms
Sens.	88.0dB
Fs	733Hz
Coil	25.8mm (0.01mH)
Code	NE25VTS-04





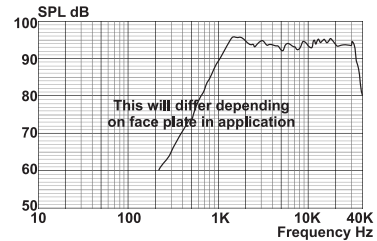


## VIFA 1" TWEETER MODULE

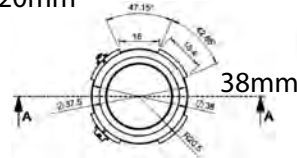
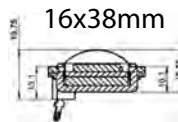
### NO FACE PLATE - INTERNAL NEODYMIUM MAGNET

Not a spare part. A complete tweeter unit for use where the application has the tweeter flare already built-in. No face plate for flexible mounting solutions like direct mounting in car audio or AV compact enclosures. Pre-coated textile diaphragm for improved consistency. Dual neodymium magnet for high flux density and shielding. Ferro fluid cooled copper aluminium low-mass voice coil. For installations tight on space and/or with own baffle

Impedance	4Ω (Re 3Ω)
Power	25Wrms(50Wmax)
Sens.	94dB
Fs	1480Hz
Qms	3.52
Qes	1.59
Qts	1.09
Code	OC25SC25-04



Dome=20mm



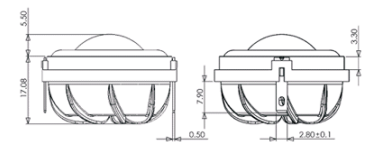
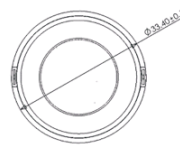
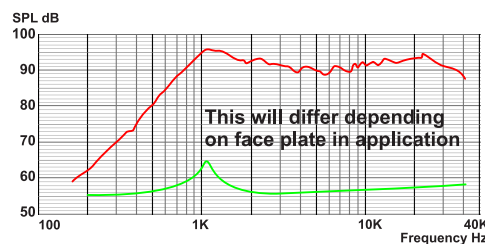
## VIFA 3/4" TWEETER MODULE MICRO

### \*NOW MANUFACTURED BY SCAN-SPEAK DENMARK

#### NO FACE PLATE - INTERNAL NEODYMIUM MAGNET

Super compact tweeter developed to maximise performance. Large surround to result good suspension for dispersion and reduced distortion. Treated fabric diaphragm dome. High sensitivity, double wound 20mm voice coil motor. Neodymium rare-earth high flux magnet with heat sink. Low resonance rear chamber for higher dynamic range.

Impedance	4Ω (Re 3.2Ω)
Power	25Wrms(Approx)
Sens.	91dB
Fs	1060Hz
Qms	7.72
Qes	1.70
Qts	1.39
Code	OX20SC00-04



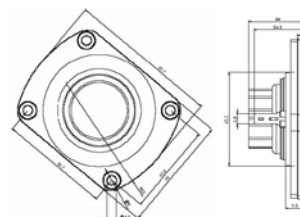
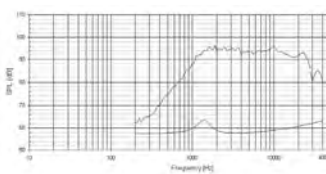
## VIFA 1" FABRIC DOME NEODYMIUM

### COMPACT FACE PLATE

Smooth-sounding compact soft dome tweeter with high output and response past 30 kHz. High-strength neodymium motor with heatsink fins. Polymer faceplate with recessed waveguide loading. 1" treated soft dome. Neodymium magnet for high output and compact size. Truncated faceplate permits optimal driver spacing.

Impedance	4Ω (Re 3.0Ω)
Power	25Wrms 50Wmax
Sens.	94dB
Fs	1320Hz
Qms	2.9
Qes	1.7
Qts	1.1
Code	BC25SC55-04

**vifa**

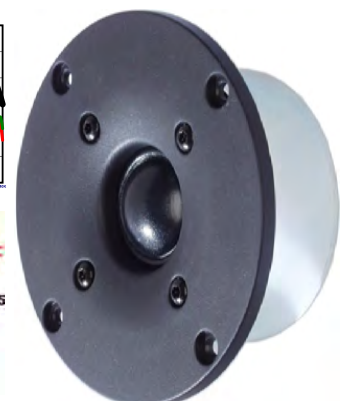
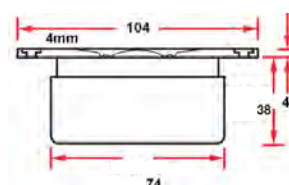
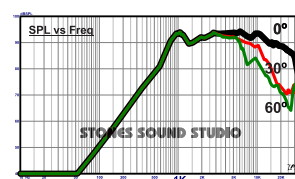


## VIFA 1" SOFT DOME TWEETER

### PAE VIFA LOGIC

Polymer sculpted fascia with recessed screws. Treated cloth dome. Doped fabric diaphragm. Ferrofluid cooled. Available in shielded.

Power	20Wrms 60Wmax
Impedance	4Ω (Re 2.9Ω)
Sens.	89.6dB
Fs	1070Hz
Le	20μH
Qms	2.4
Qes	1.20
Qts	0.80
Details	Shielded
Code	BC25SG15-04







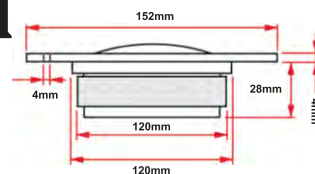
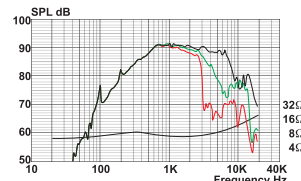
# Audio Speakers & PA

## VIFA 3" DOME MIDRANGE

**\*NOW MANUFACTURED BY SCAN-SPEAK DENMARK**

Precoated textile dome with low moving mass provides a very smooth and natural sound with excellent on & off axis response. Ferro fluid cooled 3" voice coil with internal magnet for a compact installation. Improved linear performance for easy crossover matching with the tweeter and woofer. Requires ~1.5L back chamber box.

Impedance	8Ω (Re 5.9Ω)
Power	80Wrms, 115Wmax
Sens.	92dB
Fs	300Hz
Coil	75mmØ
Mag.	240g
Vifa	D75MX-41-08
Code	D7608-920010

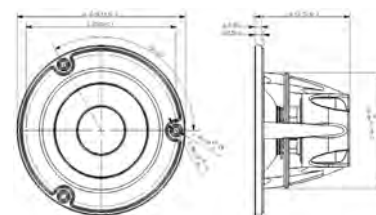
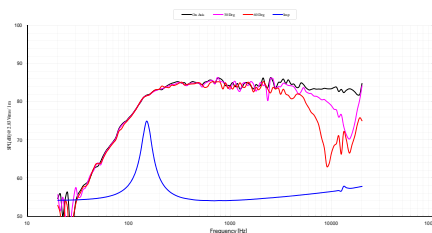


## VIFA 2" NE SERIES SPEAKER

**NEODYMIUM-IRON-BORON MAGNET**

The Vifa NE product line has leading-edge transducer technology packaged in a cutting edge, stylistic design. The basket also is designed to act as a highly coupled heat sink to the Neodymium-Iron-Boron magnet (NdFeB) motor, so as to improve power handling capacity. The cone is aluminium, with a butyl rubber surround designed through finite element analysis for linearity of performance. Wide range or mid driver.

Impedance	4Ω (Re 3.7Ω)
Power	20Wrms (40Wmax)
Sens.	82.2dB
Fs	166Hz
Coil	25.7mmØ 0.04mH
Qms	5.0
Qes	0.74
Qts	0.65
Vas	0.18L
Code	NE65W-04

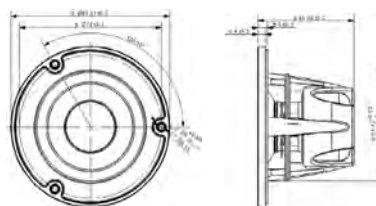
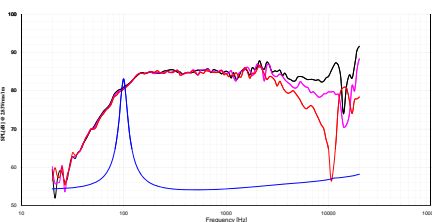


## VIFA 2 1/2" NE SERIES SPEAKER

**NEODYMIUM-IRON-BORON MAGNET**

Cast aluminium basket design which minimises acoustic reflections inside the driver, through large basket windows and sculpted basket spokes. The basket also is designed to act as a highly coupled heat sink to the Neodymium-Iron-Boron magnet (NdFeB) motor, so as to improve power handling capacity. The cone is aluminium, with a butyl rubber surround designed through finite element analysis for linearity of performance.

Impedance	4Ω (Re 3.7Ω)
Power	20Wrms 40Wmax
Sens.	82.7dB
Fs	105Hz
Coil	25.7mmØ 0.04mH
Qms	8.5
Qes	0.69
Qts	0.64
Vas	0.73L
Code	NE85W-04

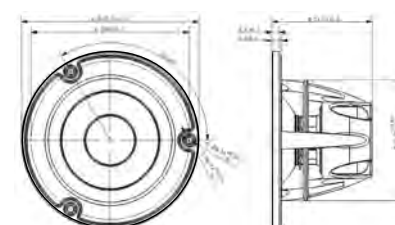
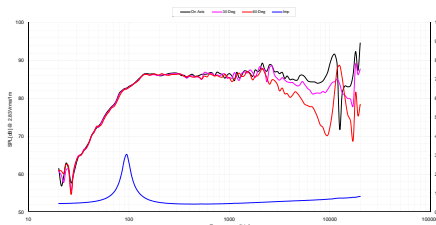


## VIFA 3" NE SERIES SPEAKER

**NEODYMIUM IRON BORON MAGNET**

Cutting edge transducer technology & stylistic design. The full-range with cast aluminium basket, Neodymium-Iron-Boron magnet (NdFeB) motor. Aluminium cone, with a butyl rubber surround. The voice coil bobbin is titanium. The FEA-designed motor features copper caps to extend performance.

Impedance	4Ω
Power	20W
Sens.	83.7
Fs	103Hz
Coil	25.7mmØ 0.06mH
Qms	9.9
Qes	0.78
Qts	0.72
Vas	1.11
Code	NE95W-04





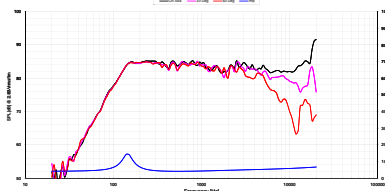
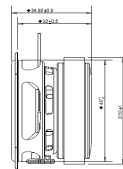
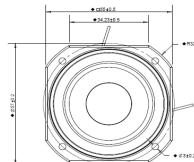


## VIFA 2" FULL RANGE

### PAPER CONE STEEL FRAME

Brings classic hi-fi capabilities to compact music and media systems. Patented PentaCut paper cone technology improves musicality and accuracy, and the driver features a cost-effective ceramic ferrite magnet. A copper cap on the pole piece controls system impedance, thereby extending the upper frequency range. Ideally suited for use in flat panel televisions and sound bars, MP3 and cell phone docking stations, hi-fi speaker line arrays, and multimedia PCs.

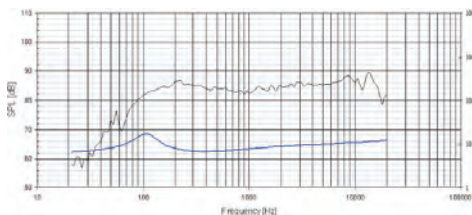
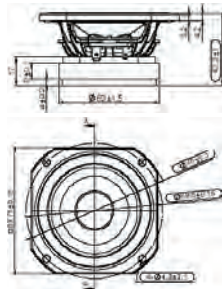
Impedance	4Ω (Re 3.5Ω)
Power	15Wrms (30Wmax)
Sens.	84.4dB
Fs	175Hz
Coil	20mm (0.02mH)
Qms	4.1
Qes	1.29
Qts	0.98
Vas	0.22
Code	TC6FD00-04



## VIFA 3½" FULL RANGE

The TG/TC series offers a high performance full range & midbass solution. Extensive development work with the use of leading-edge technologies. Polymer chassis, NRSC (patented) Glass Fibre Cone & CU-cap pole piece. 110Hz - 15KHz.

Impedance	8Ω (Re 6.2Ω)
Power	50Wrms 100Wmax
Sens.	85.8dB
Fs	110.7 Hz
Coil	20mmØ
Qms	2.11
Qes	1.09
Qts	0.72
Vas	2.0L
Code	TC9FD18-08



**vifa**

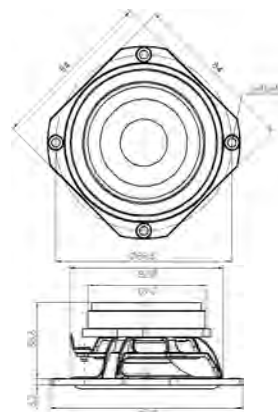
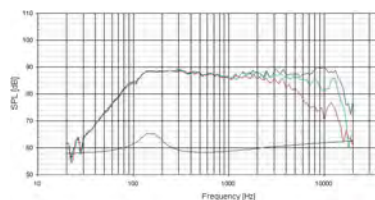


## VIFA 3½" FULL RANGE

### WHITE FIBREGLASS CONE

The TG/TC series offers a high performance full range & midbass solution. Extensive development work with the use of leading-edge technologies. Polymer chassis, NRSC (patented) Glass Fibre Cone & CU-cap pole piece.

Impedance	4Ω (Re 3.2Ω)
Power	10Wrms, 30Wmax
Sens.	85.3dB
Fs	115 Hz
Coil	20mmØ
Qms	2.67
Qes	1.01
Qts	0.73
Vas	1.4L
Code	TG9FD10-04

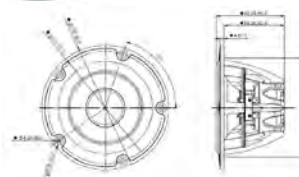
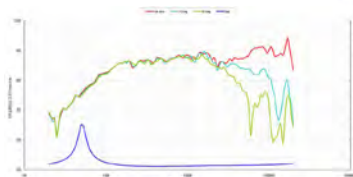


## VIFA 4" NE SERIES SPEAKER

### NEODYMIUM-IRON-BORON MAGNET

Features an innovative sculpted, open cast aluminium basket design that minimizes internal acoustic reflections and supplements the neodymium motor's dedicated heat sink. The cone is constructed of a coated natural wood fibre, with a butyl rubber surround designed by finite element analysis for linearity. Motor copper cap reduces inductance and extends high frequency performance.

Impedance	8Ω (Re 6.3Ω)
Power	45W
Sens.	87.2dB
Fs	61Hz
Coil	32mmØ
Qms	4.98
Qes	0.37
Qts	0.35
Vas	5.9L
Code	NE123W-08





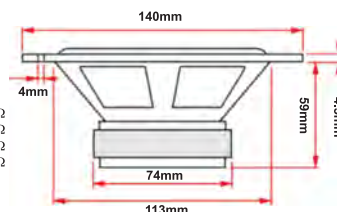
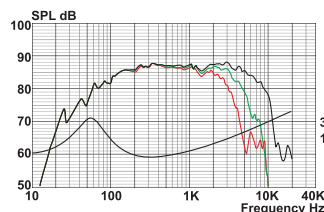


# Audio Speakers & PA

## VIFA 5" MID-WOOFER

Cast magnesium basket. High damping butyl rubber surround. Mineral filled polypropylene cone. Extra smooth roll-off. Optimised off-axis response with neutral mid range reproduction. Ventilated pole for voice coil cooling. Suit ported  $\frac{1}{4}$ Ft<sup>3</sup> to  $\frac{1}{2}$ Ft<sup>3</sup> box. Exceptional midrange is well suited for D'Appolito type configurations. Also suitable for midrange where a low crossover frequency is required.

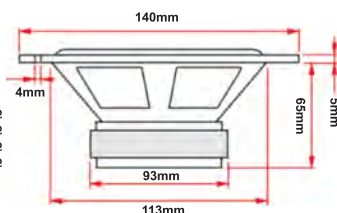
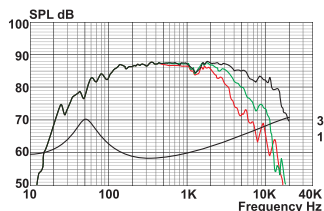
Impedance	8Ω (Re 5.7Ω)
Power	40Wrms (70Wnom)
Sens.	88dB
Fs	60Hz
Coil	25mmØ
Qms	1.38
Qes	0.43
Qts	0.33
Vas	10L
Code	P13WH-00-08



## VIFA 5" MID-WOOFER SHIELDED 8Ω

Cast magnesium basket. High damping butyl rubber surround. Poly doped, treated paper cone. Extra smooth response. Double magnet and metal shielding with rear ventilation port. Ideal for home theatre, near TV or PC applications.

Impedance	8Ω (Re 5.6Ω)
Power	75Wmax, 50Wrms
Sens.	88dB
Fs	54Hz
Coil	25mmØ
Mag.	344g 93mmØ
Qms	1.50
Qes	0.46
Qts	0.35
Vas	12L
Code	M13SG-09-08



**vifa**

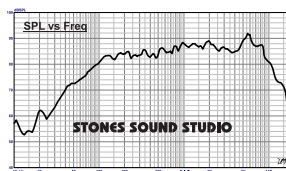


## VIFA 5½" MAGNETICALLY SHIELDED

### VIFA LOGIC SERIES

Composite polymer chassis polyamide, glass & minerals. Suit 5-10L bass reflex box. High power, temperature resistant, open air, vented pole, aluminium voice coil. Poly doped fibre cone with inverted dust cap and rubber surround.

Impedance	5.8Ω (Re 2.1Ω)
Power	30Wrms 110Wmax
Sens.	88.079dB
Fs	55.800Hz
Vas	11.419L
Qms	2.363
Qes	0.475
Qts	0.396
Code	BC14SG76-08





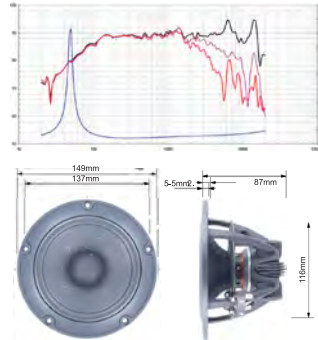


## VIFA 5¼" NE SERIES SPEAKER

### NEODYMIUM-IRON-BORON MAGNET

Vifa's NE Series full-range drivers feature an innovative sculpted, open cast aluminium basket design minimises internal acoustic reflections. Cone is constructed from coated natural wood fibre, with a butyl rubber surround designed by finite element analysis for linearity of performance. FEA techniques also contribute to the titanium bobbin motor's copper cap, which reduces inductance and extends high frequency performance.

Impedance	8Ω (Re 6.3Ω)	4Ω (Re 3.4Ω)
Power	60Wrms (120Wmax)	60Wrms (120Wmax)
Sens.	87.0dB	89.1dB
Fs	54Hz	70Hz
Coil	38.4mmØ 0.08mH	38.4mmØ 0.06mH
Qms	8.19	6.34
Qes	0.40	0.45
Qts	0.38	0.45
Vas	8.54L	4.75L
Code	NE149W-08	NE149W-04

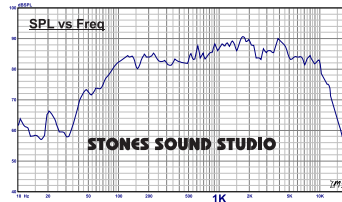
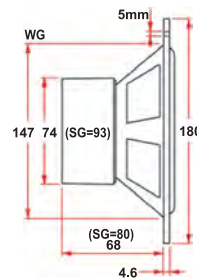


## VIFA 6½" MAGNETICALLY SHIELDED

### PAE VIFA LOGIC

Composite polymer chassis Dual layer NRSC coated cone. Vented or sealed enclosure.

Impedance	5.8Ω (Re 2.1Ω)
Power	40Wrms 160Wmax
Sens.	88.572dB
Fs	46.685Hz
Qms	2.405
Qes	0.672
Qts	0.525
Vas	30.882L
PAE	18SG08
Code	BC18SG08-08

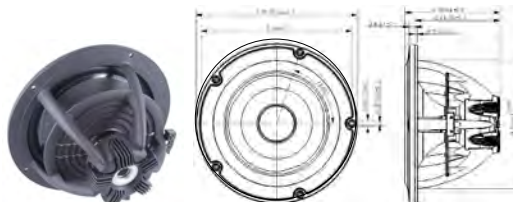
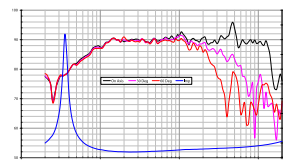


## VIFA 6½" NE SERIES SPEAKER

### NEODYMIUM-IRON-BORON MAGNET

Vifa's NE Series full-range drivers feature an innovative sculpted, open cast aluminium basket design minimises internal acoustic reflections. Cone is constructed from coated natural wood fibre, with a butyl rubber surround designed by finite element analysis for linearity of performance. FEA techniques also contribute to the titanium bobbin motor's copper cap, which reduces inductance and extends high frequency performance.

Impedance	8Ω (Re 6.2Ω)	4Ω (Re 3.3Ω)
Power	80Wrms 160Wmax	80Wrms 160Wmax
Sens.	89.2dB	89.8dB
Fs	42Hz	39Hz
Qms	7.4	8.6
Qes	0.41	0.30
Qts	0.39	0.29
Vas	22.72L	22.51L
Code	NE180W-08	NE180W-04







# Audio Speakers & PA

## VIFA 8" NE SERIES SPEAKER NEODYMIUM

Aero dynamic cast aluminium frame also acts as a heatsink. Sculpted design promotes cooling and reduces reflections. High-strength compact neodymium iron boron motor assembly. Coated natural wood fibre cone with half-roll rubber surround. Pentacone cone technology for improved frequency response. Long-throw voice coil on a 2" diameter titanium former. Copper pole piece cap for extended HF response and lowered back EMF.

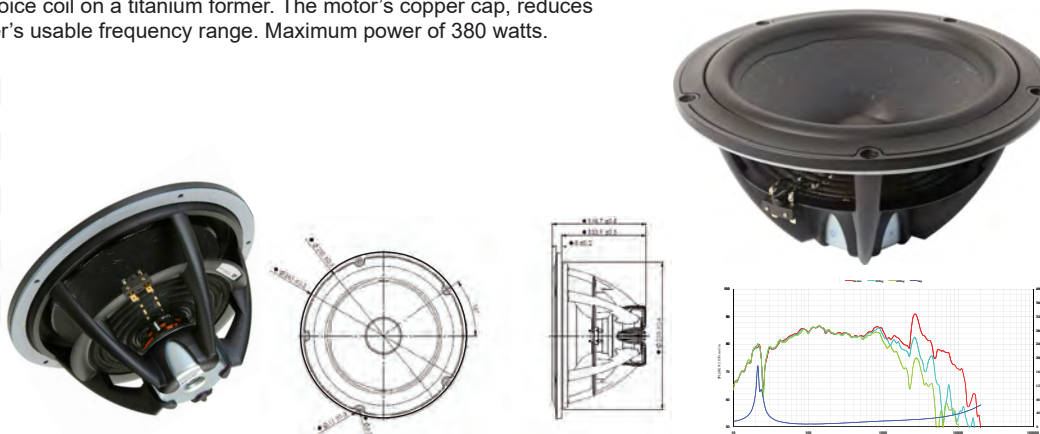
Impedance	4Ω (Re 3.1Ω)	8Ω (Re 6.3Ω)
Power	160Wrms	160Wrms
Sens.	90.7dB	87.5dB
Fs	33Hz	32Hz
Coil	51.3mmØ	51.3mmØ
Qms	9.8	8.84
Qes	0.35	0.34
Qts	0.33	0.33
Vas	44.82L	50.164L
Code	NE225W-04	NE225W-08



## VIFA 10" NE SERIES SUBWOOFER 8Ω NEODYMIUM

The high density flux of the Neodymium motor system matched with premium construction and advanced modelling techniques gives exceptional performance. The cone is constructed of a coated natural wood fibre, with a butyl rubber surround designed by finite element analysis for linearity of performance. Large exertion 2" voice coil on a titanium former. The motor's copper cap, reduces inductance and extends the driver's usable frequency range. Maximum power of 380 watts.

Impedance	8Ω (Re 6.2Ω)
Power	190Wrms
Sens.	85dB
Fs	23Hz
Coil	51mm
Qms	10.33
Qes	0.31
Qts	0.30
Vas	97.214L
Code	NE265W-08



## VIFA 12" NE SERIES SPEAKER

Aero dynamic cast aluminium frame also acts as a heatsink. Sculpted design promotes cooling and reduces reflections. High-strength compact neodymium iron boron motor assembly. Coated natural wood fibre cone with half-roll rubber surround. Pentacone cone technology for improved frequency response. Long-throw voice coil on a 2" diameter titanium former. Copper pole piece cap.

Impedance	4Ω (Re 2.8Ω)	8Ω (Re 6.3Ω)
Power	150Wrms (250Wmax)	150Wrms (250Wmax)
Sens.	88.6dB	86.5dB
Fs	20Hz	20Hz
Coil	51.3mmØ 0.38mH	51.3mmØ 0.38mH
Qms	15.6	11.72
Qes	0.32	0.36
Qts	0.31	0.35
Vas	201.7L	161.5L
Code	NE315W-04	NE315W-08





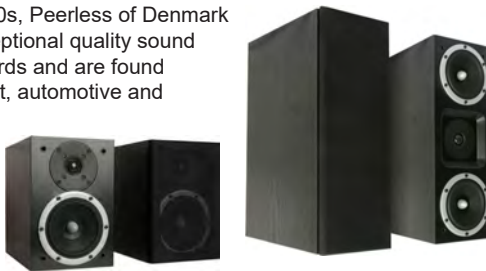


## Peerless

### PEERLESS

#### Now a subsidiary of Tymphany

Since the inception of the loudspeaker in the 1920s, Peerless of Denmark have been manufacturing speaker drivers of exceptional quality sound and adherence to the highest engineering standards and are found in some of the worlds leading home entertainment, automotive and professional electronics.



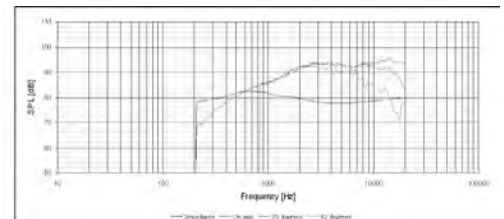
AS USED WITH OUR HDS KIT SPEAKER KITS



### PEERLESS DOME TWEETER

#### PREMIUM EXCLUSIVE AS USED IN OUR HDS KIT SPEAKERS

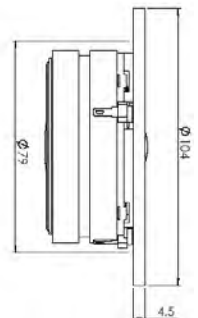
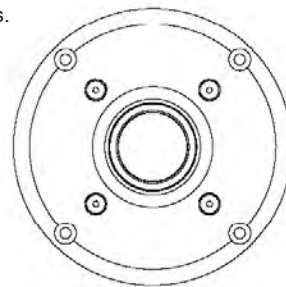
The new Peerless HDS tweeter builds on Peerless' long history of tweeter design by optimising several key design elements for pure, clean music reproduction. The HDS tweeter uses a very light, low mass "soft dome" with high internal damping, and a highly optimised, low-compression magnet system, which was designed especially for the low mass dome. The result is a driver that has both good sensitivity and an impressive range into the lower frequencies. The low mass dome, coupled with a fully vented motor system provides non-compressed sound reproduction over the entire frequency response. This combination allows the HDS tweeter to be used in systems with lower cross-over points than is recommended for most normal tweeters, making this product a powerful tool for any acoustic designer in the process of tuning a system. The HDS tweeter is ideal for use in applications including home entertainment, studio monitors, and general hi-fi systems.



Impedance	10.82Ω (Re 5.6Ω)
Power	130Wrms (3K-20KHz)
Sens.	93dBm
Fs	700Hz
Coil	26mmØ
Mag.	72mmØ
Le	0.03mH
Sd	7.5cm²
Code	810921



Made In Denmark.

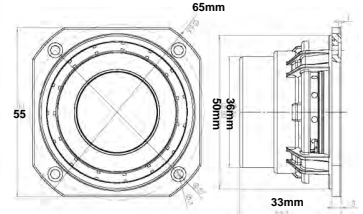
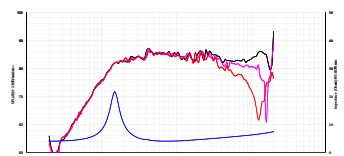


### PEERLESS 2" FULL RANGE

#### EXCELLENCE IN A VERY COMPACT DRIVER

Neodymium magnet. Double ventilated for high power low compression. Long excursion rubber surround. Direct connect dust cap. High power and low distortion. Suit MP3 docking stations and flat TVs, etc. Matches well with the LAT250 and other sub-woofers.

Impedance	4Ω (Re 3.8Ω)
Power	7Wrms 60Wmax
Sens.	82.7dB
Fs	166Hz
Qms	3.9
Qes	0.67
Qts	0.57
Vas	0.18L
Code	830970

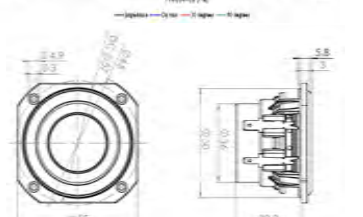
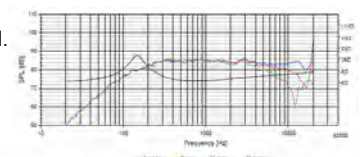


### 2" FULL RANGE - PEERLESS

#### EXCELLENCE IN A VERY COMPACT DRIVER

Neodymium magnet. Double ventilated for high power low compression. Long excursion rubber surround. Direct connect dust cap. High power and low distortion. Suit MP3 docking stations and flat TVs, etc. Matches well with the LAT250 and other sub-woofers.

Impedance	4Ω (Re 3.8Ω)
Power	7Wrms 60Wmax
Sens.	85.0dBm
Fs	147.5Hz
Qms	3.06
Qes	0.70
Qts	0.57
Vas	0.2L
Code	830983







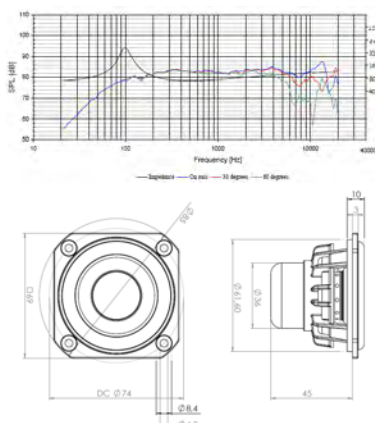
# Audio Speakers & PA

## PEERLESS 2.5" FULL RANGE

### EXCELLENCE IN A COMPACT DRIVER

Neodymium motor structure and double-venting system for high dynamic range and handle more power and dissipate excess heat efficiently. An anodised aluminium dome provides superior sound dispersion and off-axis response. A semi-progressive surround reduces distortion, especially at high output through long excursion. The driver's direct connected dome dust cap (attached to the magnet system voice coil) improves dispersion at high frequencies, providing superior sound at the higher frequencies.

Impedance	8Ω (Re 6.3Ω)
Power	7Wrms (60Wmax)
Sens.	82.8dB
Fs	102.3Hz
Qms	5.17
Qes	0.78
Qts	0.68
Vas	0.8L
Code	830984

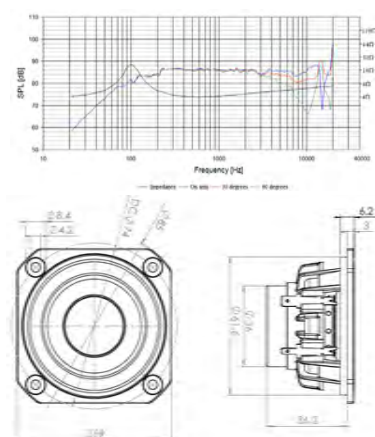


## PEERLESS 2½" FULL RANGE

### EXCELLENCE IN A COMPACT DRIVER

Neodymium magnet. Double ventilated for high power low compression. Long excursion rubber surround. Direct connect dust cap. High power and low distortion. Suit MP3 docking stations and flat TVs, etc. Matches well with the LAT250 and other sub-woofers.

Impedance	4Ω (Re 3.7Ω)
Power	7Wrms 70Wmax
Sens.	86.5dBm
Fs	101Hz
Qms	3.46
Qes	0.64
Qts	0.54
Vas	0.8L
Code	830985

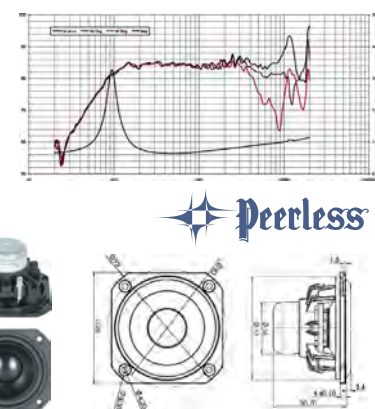


## PEERLESS 3" FULL RANGE

### EXCELLENCE IN A VERY COMPACT DRIVER

Neodymium magnet. Double ventilated for high power low compression. Long excursion rubber surround. Aluminium dust cap directly connects to the voice coil. Extends power handling and frequency response. Poly cone. Copper cap on the pole piece for low induction and reduced electrical distortions.

Impedance	8Ω (Re 6.8Ω)
Power	20Wrms 60Wmax
Sens.	84.2dBm
Fs	83.8Hz
Qms	5.04
Qes	0.67
Qts	0.59
Vas	1.8L
Code	830986

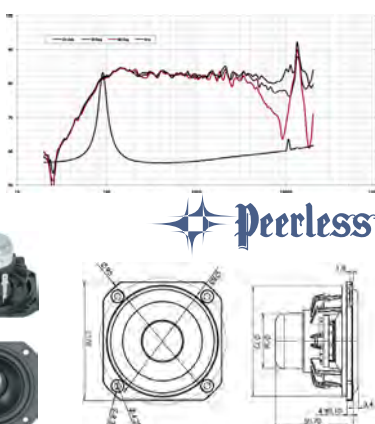


## PEERLESS 3" FULL RANGE

### EXCELLENCE IN A VERY COMPACT DRIVER

Neodymium magnet. Double ventilated for high power low compression. Long excursion rubber surround. Aluminium dust cap directly connects to the voice coil to extend power handling and frequency response. Polypropylene cone with PU Rubber inverted semi-progressive roll surround. Copper cap pole piece.

Impedance	8Ω (Re 6.2Ω)
Power	20Wrms 70Wmax
Sens.	82.6dB
Fs	83.8Hz
Qms	6.10
Qes	1.11
Qts	0.94
Vas	1.05L
Code	830987





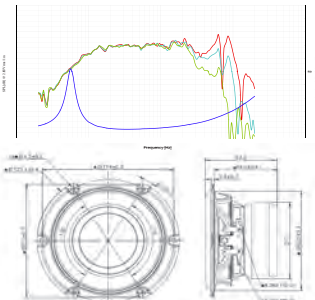


## PEERLESS 4" MID-WOOFER

### SDS STEEL CHASSIS

SDS compact subwoofer offers low resonant frequency performance, ideally suited for compact sealed enclosures. 4" 8" mid woofer with coated paper cone & rubber surround, high power voice coil suspended in a ferrite magnet motor, and a narrow-profile steel basket shaped to fit into narrow cabinets.

Impedance	8Ω
Power	30W
Sens.	83.2dB
Fs	63
Qms	4.66
Qes	0.49
Qts	0.44
Vas	3.275
Code	830855

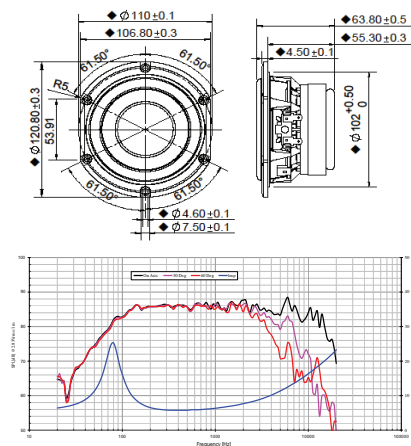


## PEERLESS 4" MID-WOOFER HDS-GFC

### GLASS FIBRE CONE

Peerless High Definition Sound (HDS) high performance transducer technology offering exceptional value-for-performance for woofers and midrange drivers. Powerful, low-distortion ferrite magnet systems are coupled to finite element analysis designed suspension systems. Glass-Fibre Composite (GFC) cone material.

Impedance	6Ω (Re 5.3Ω)
Power	30Wrms
Sens.	85.9dBm
Fs	89Hz
Coil	25mm(Le0.24mH)
Qms	3.00
Qes	0.72
Qts	0.58
Vas	2.41L
Code	830992

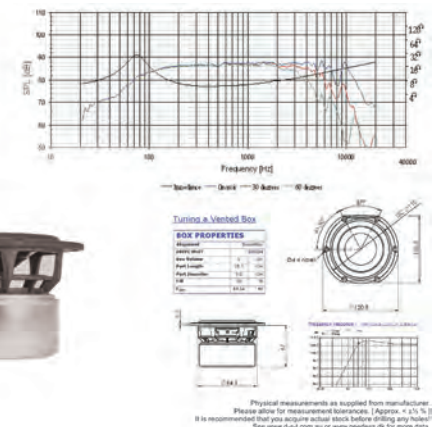


## PEERLESS 4" MID-WOOFER HDS-POLY SHIELDED

### SHIELDED

Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling. Suitable for close to TV Monitor applications like computer audio and home theatre. Fantastic performance in a very compact package.

Impedance	8Ω (Re 5.3Ω)
Power	80Wmax (20Hz-7KHz)
Sens.	86.8dB
Fs	75.7Hz
Coil	26mmØ
Qms	2.66
Qes	0.56
Qts	0.46
Vas	3.2L
Code	830854

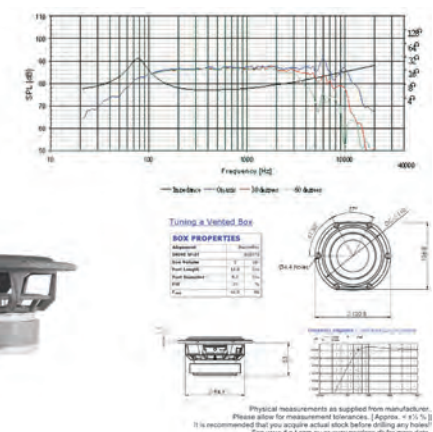


## PEERLESS 4" MID-WOOFER HDS-POLY

### POLYPROPYLENE CONE

A new, extremely versatile driver offering incredible performance for super compact size! Bass down to 60Hz in only a 5 litre cabinet. Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling.

Impedance	8Ω (Re 5.2Ω)
Power	80Wmax (20Hz-7KHz)
Sens.	87.0dB
Fs	77.6Hz
Coil	26mmØ
Qms	3.19
Qes	0.65
Qts	0.54
Vas	3.0L
Code	830870







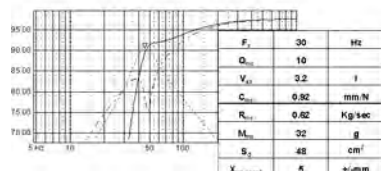
# Audio Speakers & PA

## PEERLESS 4" PASSIVE RADIATOR

### BASS EXTENSION REPLACING PORT

Alternative to overlong ports, passive radiators offer designers a well-proven method of extending and enhancing bass response. The Superior Dynamic Sounds (SDS) Series provides the smallest but highest-quality subwoofers in the industry today. Leveraging the best in Danish craftsmanship, but manufactured to be very affordable, these audio transducers are ideal for use in small surround sound systems, but can also be used in a wide variety of end user products and applications for multimedia audio reproduction.

Impedance	Nil
Fs	29Hz
Qms	10
Vas	3.2L
Code	830878

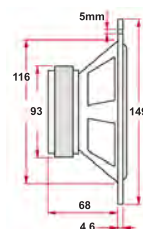
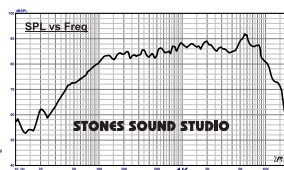


## PAE 5" MID-WOOFER POLY-FRAME

### MAGNETICALLY SHIELDED

Composite polymer chassis polyamide, glass & minerals. Suit 5-10L bass reflex box. High power, temperature resistant, open air, vented pole, aluminium voice coil. Poly doped fibre cone with inverted dust cap and rubber surround.

Impedance	5.8Ω (Re 2.1Ω)
Power	30Wrms 110Wmax
Sens.	88.079dB
Fs	55.800Hz
Vas	11.419L
Qms	2.363
Qes	0.475
Qts	0.396
Code	BC14SG76-08

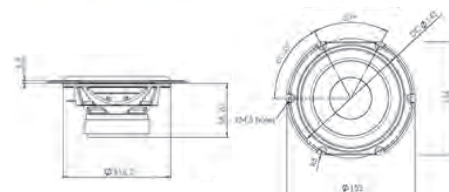
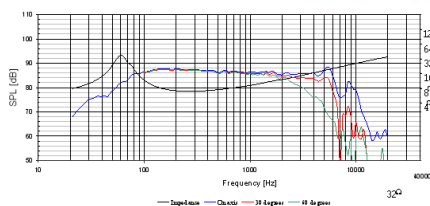


## PEERLESS 5" MID-WOOFER

### SDS STAMPED STEEL CHASSIS

Superior Dynamic Sounds (SDS) Series provides low cost/high-quality. The SDS woofers are characterised by their very smooth frequency response all the way into the midrange, with low distortion and consistent off-axis performance. Polypropylene cone with inverted dust cap in a stamped steel basket. Open voice coil for high power low compression.

Impedance	8Ω (Re 6Ω)
Power	60Wrms (110Wmax)
Sens.	87dB
Fs	62.4Hz
Qms	3.63
Qes	0.63
Qts	0.54
Vas	9.2L
Code	830656

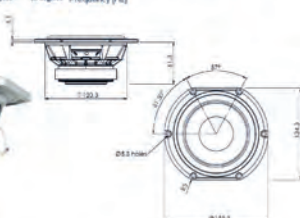
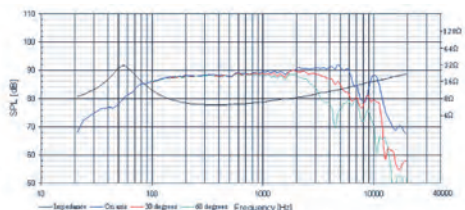


## PEERLESS 5" MID-WOOFER HDS-POLY

### POLYPROPYLENE CONE

Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling. A durable robust performer for premium audio applications in single or multi-driver setups. 7L Bass-reflex cabinet gives 65Hz.

Impedance	8Ω (Re 5.7Ω)
Power	110Wmax (20Hz-7KHz)
Sens.	88.3dB
Fs	56.1Hz
Coil	26mmØ
Mag.	90mmØ
Qms	2.41
Qes	0.50
Qts	0.41
Vas	10.6L
Code	830860



Physical measurements as supplied from manufacture. Please allow for measurement tolerances. [Approx. ± 1%] It is recommended that you acquire actual stock before making any holes! See [www.s-a.com.au](http://www.s-a.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.



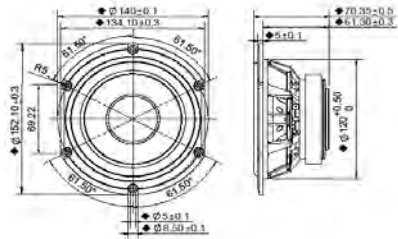
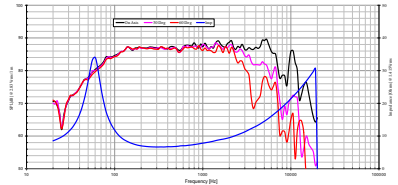


## PEERLESS 5" MID-WOOFER HDS-GFC

### GLASS FIBRE CONE

Peerless High Definition Sound (HDS) high performance transducer technology offering exceptional value-for-performance for woofers and midrange drivers. Powerful, low-distortion ferrite magnet systems are coupled to finite element analysis designed suspension systems. Glass-Fibre Composite (GFC) cone material.

Impedance	6Ω (Re 6.2Ω)
Power	30Wrms
Sens.	87.0dBm
Fs	66Hz
Coil	51mmØ
Qms	3.00
Qes	0.58
Qts	0.49
Vas	6.81L
Code	830991

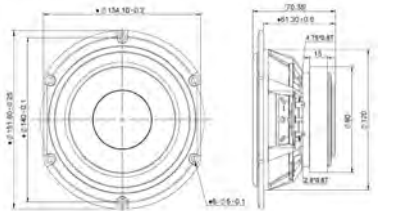
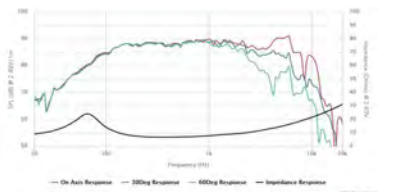


## PEERLESS 5" MID-WOOFER HDS-NOMEX

### FIBRE PULP NOMEX CONE

A powerful ferrite magnet system is coupled to a finite element analysis designed suspension. Linear spider and a rubber surround. Aluminium shorting ring, which reduces coil inductance. Extended frequency response performance and reduced distortion. The long-throw voice coil. Cast aluminium basket offers structural rigidity and heat sinking for the motor, and air venting.

Impedance	8Ω (Re 5.88Ω)
Power	60Wmax (20Hz-5KHz)
Sens.	88dBm
Fs	69.08Hz
Coil	26mmØ
Qms	1.8
Qes	0.55
Qts	0.42
Vas	5.48
Code	832873

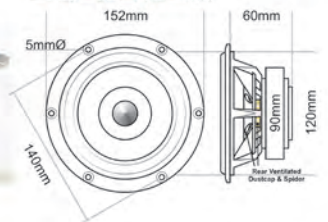
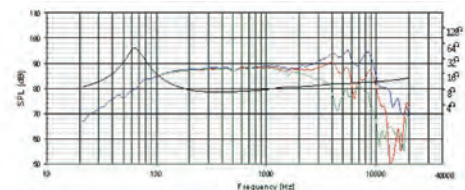


## PEERLESS 5" MID-WOOFER HDS-EX

### EXCLUSIVE SERIES PHASE PLUG

Modern silver coloured Phase Plug and cast-aluminium basket. Nomex fibre paper pulp cone. Rubber surround. Double bonded former. Open aluminium voice coil. Highest power with minimum compression. Optimised for compact Bass-reflex designs. 6 litre box gives 70Hz.

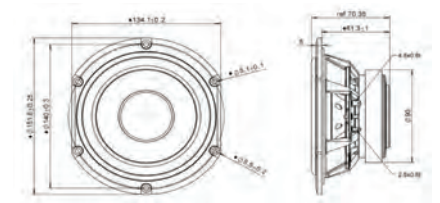
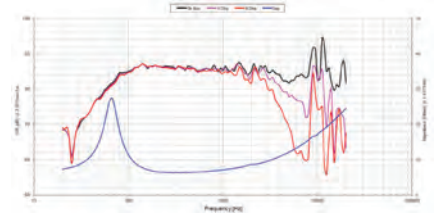
Impedance	8Ω (Re 6.7Ω)
Power	150Wmax (20Hz-7KHz)
Sens.	88.2dB
Fs	64.5Hz
Coil	26mmØ (1mH)
Qms	3.85
Qes	0.43
Qts	0.39
Vas	7.2L
Code	831882



## PEERLESS 5" MID-WOOFER HDS - ALUMINIUM

A powerful ferrite magnet system is coupled to a finite element analysis-designed suspension system, containing a linear spider design and rubber surround. The motor incorporates an aluminium shorting ring. A cast aluminium basket provides high structural rigidity, heat-sinking capacity for the motor, and additional ventilation under the spider. The aluminium cone offers superb transient response and sharp definition with attractive style.

Impedance	8Ω (Re 5.9Ω)
Power	30Wrms
Sens.	84.8dB
Fs	72Hz
Coil	25mmØ
Qms	3.18
Qes	0.82
Qts	0.65
Vas	5.392L
Code	835024







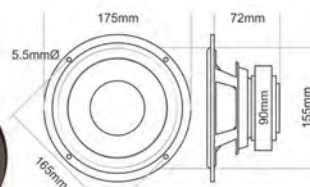
# Audio Speakers & PA

## PEERLESS 6½" MID-WOOFER POLY-NYLON

### CLASSIC WITH STEEL FRAME

Unique austere polypropylene one piece cone with rubber roll surround. Large diameter aluminium voice coil for high long term power. An efficient smooth performer at a cost effective price keeps this driver in popular demand.

Impedance	8Ω (Re 6.25Ω)
Power	150Wrms (20Hz-5KHz)
Sens.	88.4803dBm
Fs	53.0048Hz
Coil	26mmØ
Qms	2.3952
Qes	0.5753
Qts	0.4639
Vas	17.6891L
Code	831916



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx.  $\pm 1\%$  to  $\pm 3\%$ ). It is recommended that you acquire actual stock before drilling any holes! See [www.stonesoundstudio.com/peerless](http://www.stonesoundstudio.com/peerless) or [www.peerless.co.uk](http://www.peerless.co.uk) for more data.

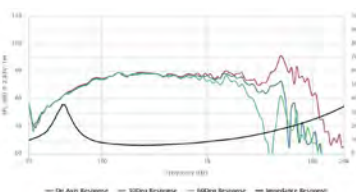
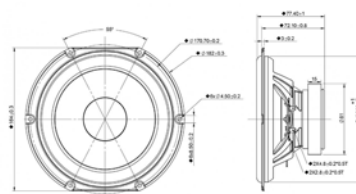


## PEERLESS 6½" MID-WOOFER SDS PAPER

### STEEL BASKET - COATED PAPER

The Peerless Superior Dynamic Sounds (SDS) Series provides the lowest cost/highest-quality woofers. Characterised by their very smooth frequency response all the way into the midrange, with low distortion and consistent off-axis performance. Applying the best in Danish engineering, but manufactured to be very affordable, these audio transducers are ideal for use in surround sound and other hi-fi applications.

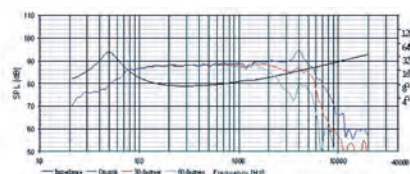
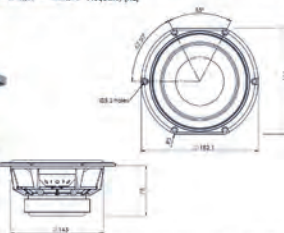
Impedance	8Ω (Re 6.2Ω)
Power	60Wrms (100Wmax)
Sens.	88.2dB
Fs	45Hz
Coil	26mmØ
Qms	2.74
Qes	0.55
Qts	0.46
Vas	30.8L
Code	830657



## PEERLESS 6½" MID-WOOFER HDS-POLY

Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling. Premium audio driver for excellence in performance by Peerless. Single or multi-driver setups. 16L Bass-reflex cabinet gives 45Hz.

Impedance	8Ω (Re 6.4Ω)
Power	150Wmax (20Hz-5KHz)
Sens.	87.8dB
Fs	47.3Hz
Coil	33mmØ
Qms	2.73
Qes	0.47
Qts	0.40
Vas	16.7L
Code	830874

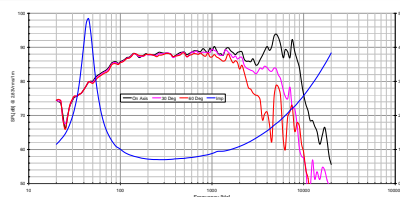
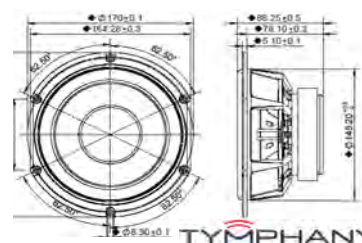


## PEERLESS 6½" MID-WOOFER HDS-GFC

### GLASS FIBRE CONE

Peerless High Definition Sound (HDS) high performance transducer technology offering exceptional value-for-performance for woofers and midrange drivers. Powerful, low-distortion ferrite magnet systems are coupled to finite element analysis designed suspension systems. Glass-Fibre Composite (GFC) cone material

Impedance	8Ω (Re 6.2Ω)
Power	50Wrms
Sens.	88.04dB
Fs	46Hz
Coil	32mm
Qms	3.10
Qes	0.44
Qts	0.3
Vas	20L
Code	830990





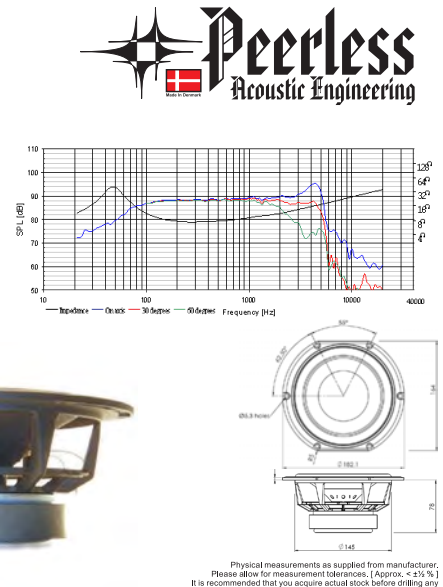


## PEERLESS 6½" MID-WOOFER HDS-NOMEX

### FIBRE PULP NOMEX CONE

Premium HDS driver optimised for small cabinet, single or multi-driver. Peerless High Definition Sound Series pushes the performance limits producing impressive sound quality sustainable at very high volumes. Nomex fibre paper pulp. Rubber surround. Inverted Nomex dust cap. Rigid aerodynamic aluminium cast basket with open aluminium voice coil. Beautifully smooth in performance down to below 50Hz in a 15L cabinet.

Impedance	8Ω (Re 6.4Ω)
Power	150Wmax (20Hz-3KHz)
Sens.	88.6dBm
Fs	48.1Hz
Coil	33mmØ
Qms	2.67
Qes	0.45
Qts	0.39
Vas	17.6L
Code	830875

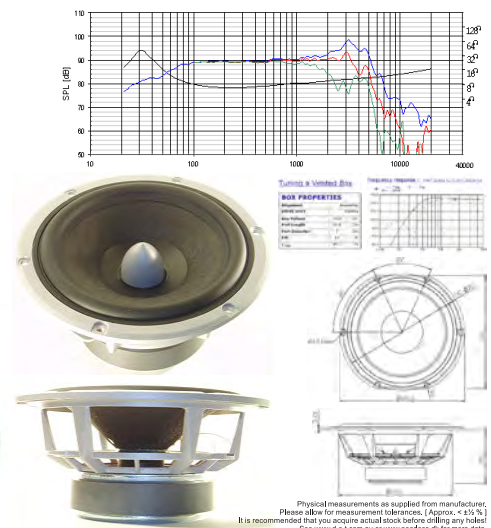


## PEERLESS 6½" MID-WOOFER HDS-EX

### EXCLUSIVE SERIES PHASE PLUG

Modern, unique style and size. Silver coloured Phase Plug and basket. Black Nomex fibre paper pulp cone, rubber surround & double bonded former. High power open ventilated aluminium voice coil. Premium audiophile unit. Optimised for compact Bass-reflex designs. 15 litre box gives 45Hz.

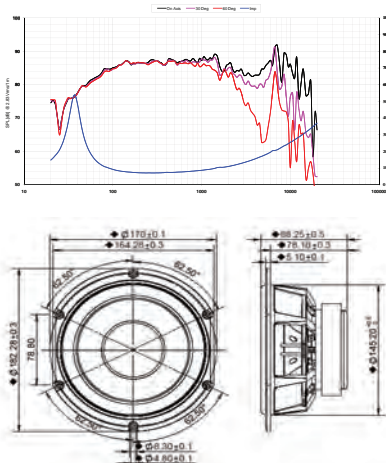
Impedance	8Ω (Re 6.7Ω)
Power	160Wmax (20Hz-7KHz)
Sens.	87.5dB
Fs	52.3Hz
Coil	33mmØ (1.3mH)
Qms	2.79
Qes	0.50
Qts	0.43
Vas	13.0L
Code	830883



## PEERLESS 6½" MID-WOOFER HDS - ALUMINIUM

A powerful ferrite magnet system is coupled to a finite element analysis designed suspension system, containing both a linear spider design and a rubber surround. The motor contains an aluminium shorting ring. The cast aluminium basket offers structural rigidity, heat sinking capacity for the motor, and additional air venting under the spider so as to again reduce air compression effects. The aluminium cone offers superb transient response and sharp definition with modern appearance.

Impedance	8Ω (Re 6.3Ω)
Power	55Wrms
Sens.	87dB
Fs	38Hz
Coil	32mmØ
Qms	3.3
Qes	0.42
Qts	0.37
Vas	24.76L
Code	835025

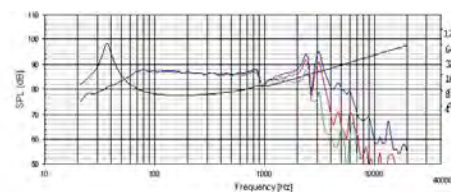
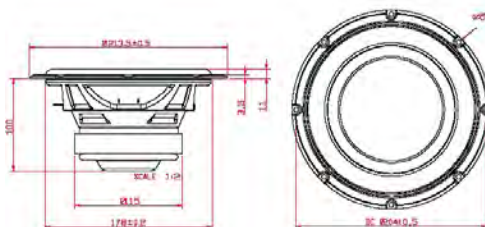






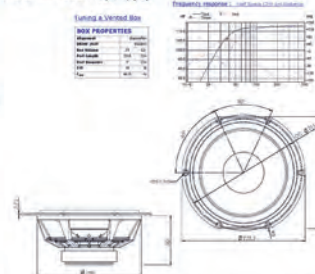
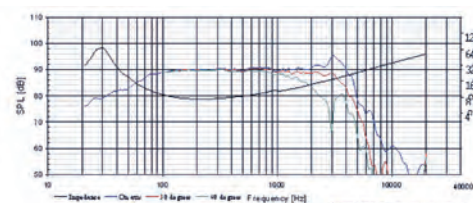
Heavy-Duty steel frame, strength curved with low compression ventilation. Pressed and coated paper cone for a crisp, lean, dry bass reproduction. Rubber surround. Extended back-plate. Vented, undercut pole piece. Aluminium 40mm high-temp 250°C voice coil with 24mm long linear exertion. Box eq. Closed 25L(55Hz) Lower when vented.

Impedance	8Ω (Re 5.9Ω)
Power	220Wrms
Sens.	87.2dBm
Fs	36.5Hz
Coil	39mmØ
Qms	7.80
Qes	0.59
Qts	0.54
Vas	33.1L
Code	830667



Excellence in powerful articulate sound for larger floor standing units. Peerless High Definition Sound Series pushes the performance limits producing impressive sound quality sustainable at very high volumes. Nomex fibre paper pulp. Rubber surround. Inverted Nomex dust cap. Rigid aerodynamic aluminium cast basket with open aluminium voice coil. Flat response 1Ft<sup>3</sup> box 45Hz. With some tuning, 2½Ft<sup>3</sup> box gives 33Hz!

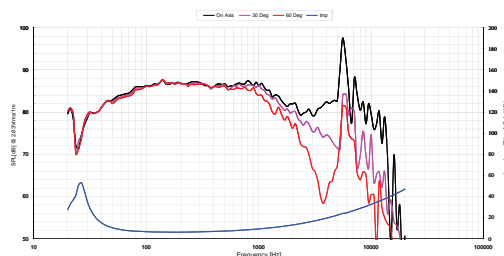
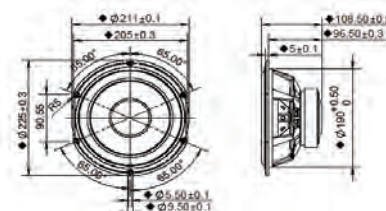
Impedance	8Ω (Re 6.0Ω)
Power	150Wmax (20Hz-3KHz)
Sens.	90.0dBm
Fs	29.5Hz
Coil	33mmØ
Qms	3.94
Qes	0.31
Qts	0.29
Vas	76.1L
Code	830869



Physical measurements as supplied from manufacturer.  
Please allow for measurement tolerances. (Approx.  $\pm 1\%$ )  
It is recommended that you acquire actual stock before drilling any hole.  
See [www.dynalene.com.au](http://www.dynalene.com.au) or your preferred DR for more details.

The high performance HDS family peerless speaker has a powerful ferrite magnet system that is coupled to a finite element analysis designed suspension system, containing both a linear spider design and a rubber surround. The motor contains an aluminium shorting ring, which reduces coil inductance, thus providing both extended frequency response performance and reduced distortion. The long-throw voice coil ensures linear high excursion performance, needed for signal clarity. The cone necks are vented so as to reduce air compression effects under high excursion conditions. The cast aluminium basket offers structural rigidity, heat sinking capacity for the motor, and additional air venting under the spider so as to reduce air compression effects. The cone is aluminium, offering in a unique visual and acoustic experience.

Impedance	8Ω (Re 5.5Ω)
Power	75Wrms
Sens.	86.6dB
Fs	27Hz
Coil	38mmØ
Qes	0.46
Qms	4.3
Qts	0.41
Vas	65.96L
Code	835026



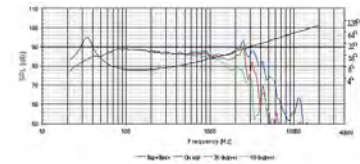
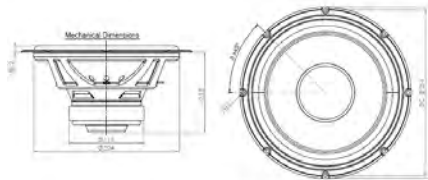




## PEERLESS 10" WOOFER SLS PAPER

Heavy-Duty steel frame, strength curved with low compression ventilation. Pressed and coated paper cone for a crisp, lean, dry bass reproduction. Rubber surround. Extended back-plate. Vented, undercut pole piece. Aluminium 40mm high-temp 250°C voice coil with 24mm long linear exertion. Box eg. Closed 30-45L, Vented 35-50L

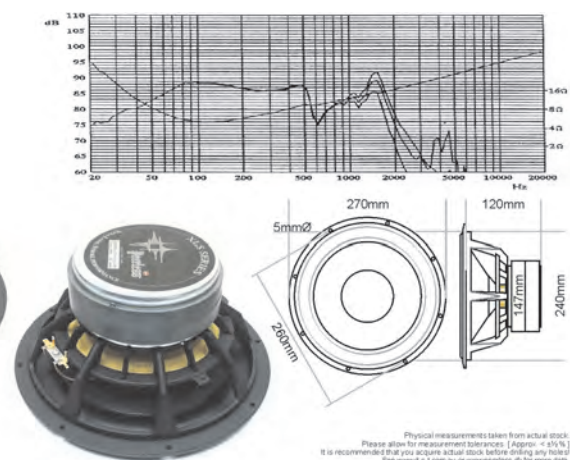
Impedance	8Ω (Re 6.3Ω)
Power	200Wrms
Sens.	91.2dBm
Fs	28.0Hz
Coil	39mmØ
Qms	5.67
Qes	0.58
Qts	0.52
Vas	87.7L
Code	830668



## XLS 10" XTRA-LONG-STROKE 8Ω (5Ω)

This is a new range from Peerless to suit the unlimited demands of bass hungry enthusiasts in home or automotive audio. Emphasis has been placed in design to achieve extremely deep bass, long time reliability, high power handling and very low distortion or compression under very large sound pressures. Suitable for sealed or vented box or passive radiator.

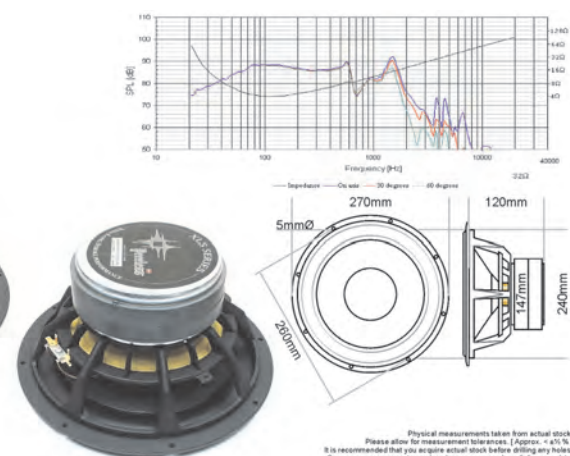
Impedance	8Ω (Re 4.9Ω)
Power	300Wrms
Sens.	88.4dBm
Fs	18.9Hz
Coil	51mmØ
Qms	2.63
Qes	0.18
Qts	0.17
Vas	80.2L
Code	830452



## XXLS 10" XPANDED-XTRA-LONG-STROKE 4Ω (3.9Ω)

The new range of Xpanded Xtra Long Stroke (XXLS) subwoofers from Peerless has pushed the performance limits for subwoofers again. XXLS have unexcelled long exertion performance with very low distortion. Mechanically robust, yet highly efficient, low Fs and low Qt. Suitable for small vented boxes. Optimised for passive-radiator cabinets.

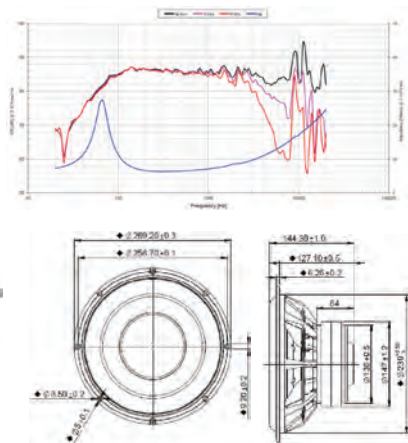
Impedance	8Ω (Re 3.9Ω)
Power	350Wrms
Sens.	88.4dB
Fs	19.2Hz
Coil	51mm
Qms	8.74
Qes	0.19
Qts	0.19
Vas	88.4L
Code	830842



## PEERLESS XXLS 10" SUBWOOFER 4Ω ALUMINIUM CONE

The motor features a double ferrite magnet motor, supporting high excursion and pole extenders with aluminium shorting rings, lowering and linearising the inductance of the over hung voice coil. The black aluminium cone is vented under the dust cap, to reduce air compression. The suspension system features a low-creep rubber surround, and a Nomex™ spider, ensuring long-term reliability under high power conditions. The product also features a rigid cast aluminium basket.

Impedance	4Ω (Re 2.5Ω)
Power	100Wrms
Sens.	83.8
Fs	26Hz
Coil	51mmØ
Qms	11.3
Qes	0.38
Qts	0.37
Vas	65.093L
Code	835016





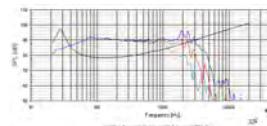
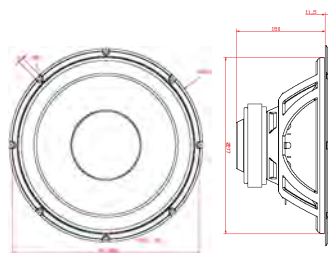


# Audio Speakers & PA

## PEERLESS 12" WOOFER SLS PAPER

Heavy-Duty steel frame, strength curved with low compression ventilation. Pressed and coated paper cone for a crisp, lean, dry bass reproduction. Rubber surround. Extended backplate. Vented, undercut pole piece. Aluminium 40mm high-temp 250°C voice coil with 24mm long linear exertion. Box eg. Closed 30-45L, Vented 35-50L

Impedance	8Ω (Re 6.3Ω)
Power	200Wrms
Sens.	91.2dBm
Fs	28.0Hz
Coil	39mmØ
Qms	6.70
Qes	0.51
Qts	0.47
Vas	172.4L
Code	830669

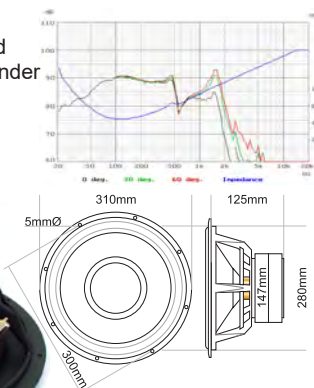


## XLS 12" XTRA-LONG-STROKE 8Ω (4.7Ω)

### HIGH PERFORMANCE SUB-WOOFER

The motor features a double ferrite magnet motor, supporting high excursion, and aluminium shorting rings and pole extenders, lowering and linearizing the inductance of the overhung voice coil. The paper cone is vented under the dust cap, to reduce air compression. Low-creep rubber surround, and a nomex spider, ensuring long-term reliability under high power conditions. The product also features a rigid cast aluminium basket.

Impedance	8Ω (Re 4.7Ω)
Power	300Wrms
Sens.	90.6dBm
Fs	18.1Hz
Coil	51mmØ
Qms	3.70
Qes	0.21
Qts	0.20
Vas	139.2L
Code	830500

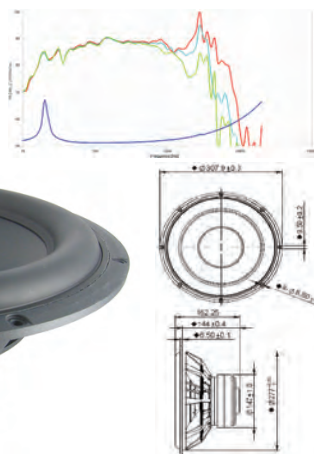


## XXLS 12" XPANDED-XTRA-LONG-STROKE AU 4Ω (2.6Ω)

### ALUMINIUM CONE BLACK

This series of state-of-the-art subwoofers continues to enhance Peerless's reputation for delivering the highest quality components for bass. Called the XXLS—for "Xpanded Extra Long Stroke"—these audio transducers add even more excursion to the Peerless XLS line while completely eliminating distortion. The XXLS line features a strong yet attractive cast frame, reinforced aluminium cone, flat spider, and generous under-spider venting. The magnet system incorporates multiple distortion-cancelling fixtures.

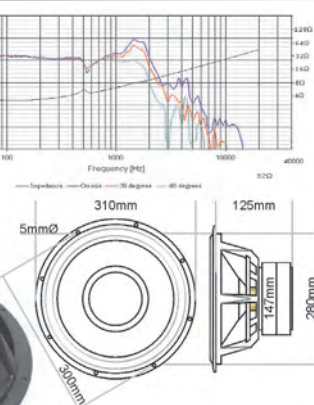
Impedance	4Ω (Re 2.6Ω)
Power	350Wrms
Sens.	90.6dB
Fs	19.4Hz
Qms	7.8
Qes	0.36
Qts	0.34
Vas	169L
Code	835017



## XXLS 12" XPANDED-XTRA-LONG-STROKE DUAL 8Ω + 8Ω

Dual voice coils for exceptional power control & multi-driver setups. This driver has been optimised for tuning in a vented enclosure with consideration to keeping port velocities and box volumes to a minimum. A ported box of 58 litres tuned to 24Hz (480x90mmØ Port) gives 33.8Hz. Specifications below are measured with the coils wired in parallel.

Power	350Wrms
Coil	51mmØ
Mag.	2.4kg (147mmØ)
Zo	4Ω (3.0Ω @115Hz)
Fs	21.8Hz
Sens.	92.0dBm
Qms	10.24
Qes	0.37
Qts	0.36
Vas	144.2L
Code	830847



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 1% to 5%) It is recommended that you acquire actual stock before drilling any holes! See [www.peakaudio.com.au](http://www.peakaudio.com.au) for more data.



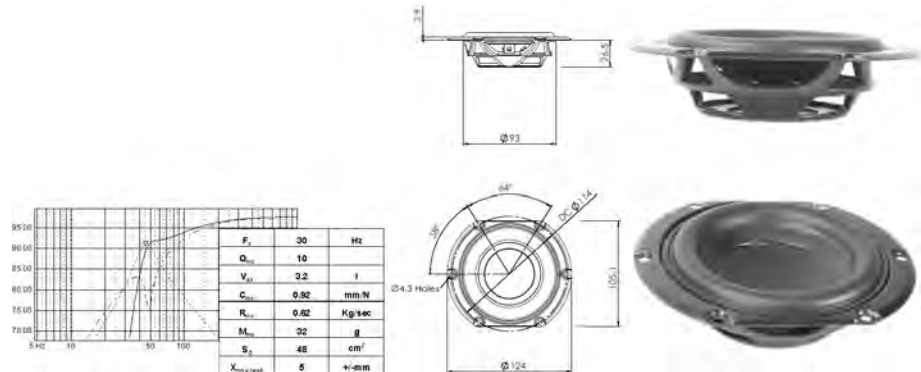


## PEERLESS 3.5" PASSIVE

Alternative to overlong ports, passive radiators offer designers a well-proven method of extending and enhancing bass response. The Superior Dynamic Sounds (SDS) Series provides the smallest but highest-quality subwoofers in the industry today. Leveraging the best in Danish craftsmanship, but manufactured to be very affordable, these audio transducers are ideal for use in small surround sound systems, but can also be used in a wide variety of end user products and applications for multimedia audio reproduction.



Impedance	Nil
Fs	29Hz
Qms	10
Vas	3.2L
Code	830878



## XXLS 10" PASSIVE RADIATOR

Identical to a 10" XLS driver but without a magnet and the voice coil has been replaced with a weight. Passive radiators replace the port by adding a mass equivalent to the volume of air in a 10" tube. This eliminates air velocity noises and enables very low tuning F without ridiculously long or narrow port dimensions. Suit small enclosures. You can fine tune this mass by adding weight to the M5 threaded hole enabling excellent control over the final design. Made in Denmark by Scan-Speak.

Fs	11Hz
Qms	13.7
Vas	95L
Cms	0.55mm/N
Rms	1.97Kg/s
Mms	400g
Sd	352cm <sup>2</sup>
Xmax	28mm
Code	26W/0-00-00



## XXLS 12" PASSIVE RADIATOR

### MASS 425g

Identical to the XLS/XXLS drivers, but without a magnet or voice coil. Available in two mass weightings, further weight can be added enabling excellent control over the final design. Eliminate air velocity noises and achieve a low tuning F without ridiculously long port dimensions. Best matched with 12" XLS driver for a box volume of 40 to 50L (17Hz) Supplied with 2 choices of ballast: Made in Denmark by Scan-Speak.

Fs	9.5Hz
Qms	14
Vas	200L
Cms	0.62mm/N
Rms	1.84Kg/s
Mms	435g
Sd	466cm <sup>2</sup>
Xmax	28mm
Code	30W/0-00-00







# Audio Speakers & PA

□ Speaker Drivers Audiophile LAT Sub-woofer

## LINEAR ARRAY TRANSDUCER (LAT)

A redesign of the subwoofer that enables big sound without a typically large driver. This revolutionary compact unit is the first audio transducer to enable great bass to the new generation of consumer lifestyle products by delivering a richer sound experience to places never before thought possible. With its new slim shape, no mechanical vibration, and sleek styling, the Tymphony LAT represents a significant breakthrough in transducer technology. For example, the Tymphony LAT500 packs the power of TWO 10" subwoofers into a thin tube-shaped transducer only 5" wide! A conventional cabinet is still required, however, the LAT allows greater flexibility for unique aesthetically enhanced designs.

### 2.5" LAT250-4 WOOFER

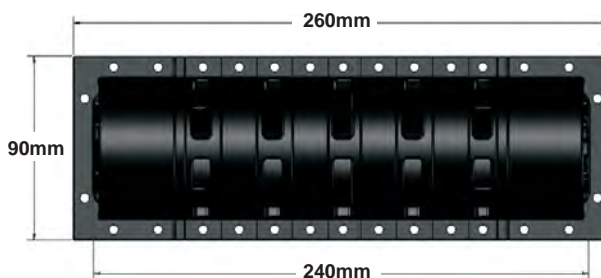
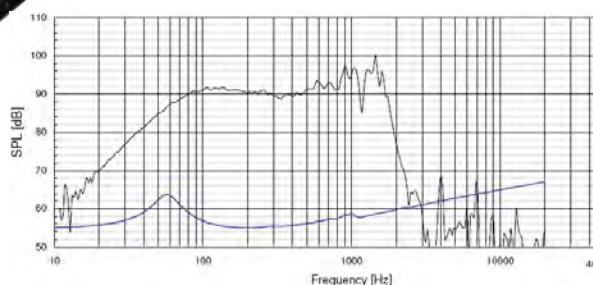
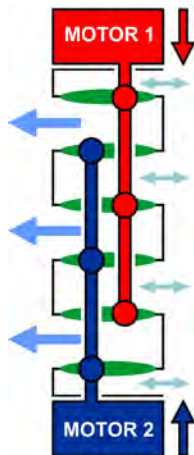
#### COMPACT LAT DRIVER

New sleek tube-shaped Multiple driver array "Push-Pull" removes 90% Frame Vibration ! Equivalent power to Two 6.5" Subwoofers Dual voice coils (2x) Each being 8 ohms nom. Wire in parallel for 4Ω Or connect each 8Ω to a Stereo amplifier output. Compact LAT solution for where space is a premium. Black. Requires cabinet. Power handling is rated at 100Wrms (50Wx2) IEC Noise. One face is outside, the other faces inside an enclosure for a compact sub.

#### 250x35mmØ

Specifications are for both voice coils  
Wired in Parallel:

Zn	4Ω
Re	3.3Ω
Fs	64Hz
VC	38mm
Sd	196cm <sup>2</sup>
Qms	3.4
Qes	1.2
Qts	0.89
Vas	8.2L
SPL	87.5dB
Code	LAT250-4



### 5" LAT500 SUBWOOFER

#### EQUIVALENT TO 2X 10"

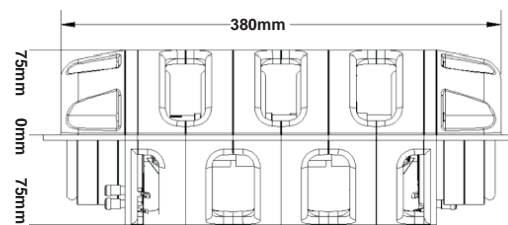
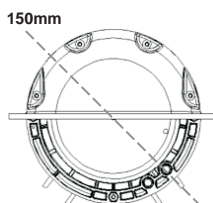
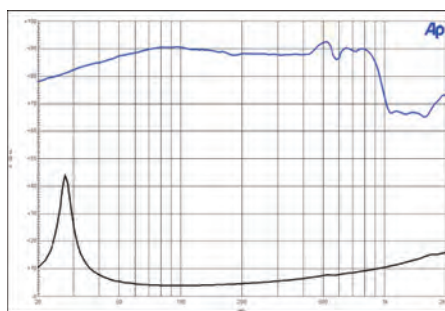
Dual coils are 16Ω (or 8Ω) each so as to be wired together in "Push-Pull" parallel for a single 8Ω (or 4Ω) connection. Suit compact sub-woofer setups. Single or stereo amplifier. Sleek modern tube-shaped design. "Equivalent in power to Two 10" Subwoofer speakers" with unique Push-Pull mechanics that removes 90% of the Frame Vibration! Attractive champagne silver with black ends. Heavy duty 1.5" voice coils 6x masts coupled to 6x cones. Power 250Wrms IEC noise test Claimed 750W Long Term.

#### 380x150mmØ

Specifications are for both voice coils Wired in Parallel:

Zn	8Ω (//16Ω x2)	Zn	4Ω (//8Ω x2)
Zo	140Ω	Zo	46Ω
Re	8.1Ω	Re	3.1Ω
Le	4.0mH	Le	1.5mH
Fs	28Hz	Fs	28Hz
VC	38mm	VC	38mm
Sd	525cm <sup>2</sup>	Sd	525cm <sup>2</sup>
Qms	9	Qms	9
Qes	0.4	Qes	0.5
Qts	0.40	Qts	0.45
Vas	81L	Vas	81L
SPL	89dB	SPL	92dB
Code	LAT500-8	Code	LAT500-4

#### Tymphony Cylindrical Sub-Woofers







□ Speaker Kits

□ HDS Series

## PEERLESS HDS/XLS SERIES OF SPEAKER SYSTEMS

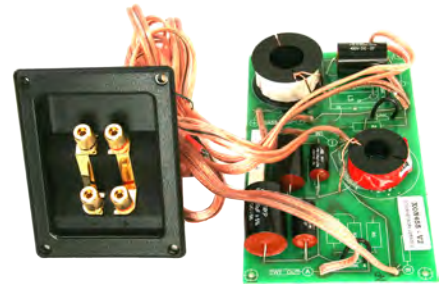
### VERSION-2 WITH NEW TWEETER AND NEW 12dB/18dB PRE-BUILT CROSSOVERS

- PREMIUM QUALITY AUSTRALIAN MADE CABINETS
- GENUINE AUSTRALIAN JARAH VENEER OR BLACK VINYL
- DESIGNED EXCLUSIVELY FOR WES COMPONENTS
- PROFESSIONALLY DEVELOPED & OPTIMISED
- CABINET DESIGN & FINISH IS PREMIUM GRADE-A
- EXCELLENT AUDIOPHILE QUALITY REPRODUCTION
- EXCEPTIONAL REALISM FOR MUSIC AND THEATRE
- NEW TECHNOLOGY DRIVERS FOR DIGITAL AUDIO
- WORLD LEADING PEERLESS DRIVERS FROM TYMPHANY
- PRE-BUILT CROSSOVERS WITH PREMIUM COMPONENTS
- SCREW DRIVER KIT EASY & VERY QUICK ASSEMBLY

**Designed By Russell Storey of Stones Sound Studio for WES Components.**

Welcome to our V2 range of professionally engineered and locally built speaker systems. To save on cost we have made these premium speakers available in kit form for easy construction. Every aspect of the cabinet design has been customised to suit the Peerless speakers precisely, with port and box volume tailored to maximise the performance of the HDS and XLS range of premium drivers. A new improved tweeter for the range has been introduced with a newly developed fully pre-built crossover offering improved phase at the crossover point to closely match the HDS series of mid-woofers to the uniquely specialised counter-sunk tweeter and cabinet combination. Cabinet design and matching development has been achieved using the latest in computer analysis software and with the building experience of Stones Sound Studio, specialists in premium, exotic, custom speaker design. All cabinets are precision manufactured by the latest computer controlled techniques from medium density custom wood (MDF) with a choice of genuine wood veneer and decorative trim panels or Black Vinyl. The Peerless HDS range of drivers and XLS range of subwoofers offer incredible performance and value for money. When correctly matched to our custom designed cabinets and precision crossovers with premium quality components the result is a finished speaker unit that rivals the best audio available in the world. You will find our new range of speakers beautiful in appearance and performance giving exceptional sound quality to music and fantastic dynamics and realism to digital home theatre.

## KIT SPEAKERS QUICK ASSEMBLE



## PRE-MADE CROSSOVERS



## PRE-MADE CABINETS



**QUICK CONSTRUCT  
KITS COMPLETE  
FULLY PRE-BUILT  
CROSSOVERS**







# Audio Speakers & PA

## 5" BOOKSHELF SPEAKER

### MONITOR GRADE AUDIO SPEAKER KIT

Small monitors are popular due to the reduced impact on your room decor and your wallet! However, plastic cabinets give plastic sound. If you prefer the warm sound of the boxes of old in a compact modern package, then let us introduce to you the Peerless HDS150 audiophile high definition satellite speaker. A very capable, yet compact unit designed to faithfully reproduce both music and home theatre audio. The handsome box is of a thick 18mm MDF construction with a rear firing tuning port and a curved-edge front fascia grille for low edge diffraction. Design has centred on the best sound quality achievable in using a Peerless 5" HDS phase-plug driver. This little driver can have quite a punch! Producing high dynamics and high SPL with low distortion. Use of premium electronic components and the best tweeter from Peerless, this optimised design gives you astounding performance from such a compact system. With Home Theatre, this exceptional little speaker is suitable for front and/or surround sound applications. For a fully dynamic system, we highly recommended these satellites be used in conjunction with the XLS800 subwoofer. You will be amazed at the fullness of the quality of audio that these mini-monitors reproduce.



Premium  
Audio  
Monitors

**HDS**  
High Definition Series



### HDS150 KIT & PARTS

- Frequency Response 49Hz to 25KHz
- Size H270 x W180 x D287mm 7Kg
- Recommended amplifier 10W to 120Wrms
- Impedance 8 ohm Nominal
- Sensitivity 88dB
- Big sound from a compact speaker
- Suit Main or Rear Surround sound
- Satellites with a subwoofer
- See our XLS800 or XLS1000
- Big sound, small enclosure.

PRICE EACH  
2 REQUIRED  
FOR STEREO



### COMPLETE KIT - SOLD SINGULARLY

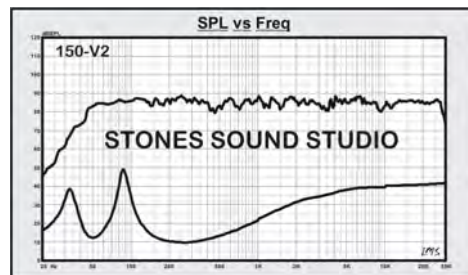
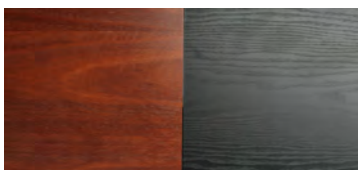
Includes 1 box and all components required as listed separately below:

Colour	Type	Code
Black	Vinyl	KIT150BV
Jarrah	Veneer	KIT150JA

### CABINET ONLY - SOLD SINGULARLY

Complete built cabinet, lined with internal wadding Packaged. Select colour: Black Vinyl or Genuine wood veneer.

Colour	Type	Code
Black	Vinyl	CAB150BV
Jarrah	Veneer	CAB150JA



### OTHER PARTS REQUIRED x2 for Stereo

Description	Code
HDS Exclusive Midwoofer	831882
Tweeter HDS Peerless	P810921
Crossover Suit HDS150 Kit	XON150-V2
Screws, Bag of 20	AS420-20







## 6½" FLOOR STANDING TOWER SPEAKER

### A FLAGSHIP MONITOR OF OUTSTANDING PRESENCE

These floor-standing speakers are designed for "Monitor" grade stereo reproduction as well as top-of-the-line home theatre main speakers in a modern Digital THX surround sound system. The use of the Peerless HDS series of high definition phase-plug drive units matched with bespoke crossovers to a high-end tweeter from Peerless. Packaged in an innovative and exclusive design professionally developed to create a sound that is clean and clear with uncompromising acoustics dynamic range and frequency bandwidth to accurately reproduce any of today's high definition digital sources. The countersunk tweeter in the coaxial location between the mid-woofers achieves physical acoustic time alignment between drivers. This corrects the sound source location to one single point, like focusing a lens, to achieve an incredible level of clarity and accuracy to the sound stage bringing the audio into clear focus. Instruments are localised and positioned, close your eyes and they are there! Sound effects take on a new reality when positioned correctly in space. Now the full impact and emotion of Movies and Music can enthral the listener. An impressively high efficiency of 92dB at 1W/M means you don't need big amplification for full dynamic sound. Along with the well behaved impedance curve means the HDS455s are quite suitable for the low power of class-A or vacuum tube amplifiers. The tall handsome cabinets are precision computer tooled from MDF locally and are available in real Australian hard-wood Jarrah wood veneer or durable black hard vinyl with a grain finish. A wide base tapered plinth is included, spiked feet are optional extras. There is the facility for sand filling in a lower cavity for additional stability and extra resonance damping. Peerless offer highly articulate dynamics in their driver designs, matched with a unique cabinet layout and a premium components in a professionally developed crossover, welcome to a new level of accuracy in sound offered at an excellent price in kit form.

### HDS455 KIT & PARTS

- Frequency Response 38Hz to 25KHz
- Size H1150 x W210 x D365mm 25Kg +Sand
- Recommended amplifier 10W to 150Wrms
- Impedance 4 ohm Nominal
- Highly efficient 92dB Sensitivity
- Floor standing with wide plinth base
- Optional 20Kg sand cavity in tower
- Ultra dynamic range & low distortion
- Counter-sunk time-alignment tweeter
- Coaxial MTM centre focus design
- Suit medium to large rooms



### COMPLETE KIT - SOLD SINGULARLY

Includes 1 box and all components required  
Save over \$100 each when purchased as a kit

Colour	Type	Code
Black	Vinyl	KIT455BV
Jarrah	Veneer	KIT455JA

### CABINET ONLY - SOLD SINGULARLY

Complete built cabinet, lined with internal wadding Packaged.  
Select colour: Black Vinyl or Genuine wood veneer

Colour	Type	Code
Black	Vinyl	CAB455BV
Jarrah	Veneer	CAB455JA

### PARTS INCLUDED x2 Required For Stereo

Description	Code
HDS Midwoofer 6½"	830883
Tweeter HDS Peerless	P810921
Screws, Bag of 20	AS420-20
Crossover Suit HDS455 Kit	XON455-V2

PRICE EACH  
2 REQUIRED  
FOR STEREO

### BASE SPIKES Improves speaker performance.

Description	Code
Feet Spikes 20mm	SPIKE20
Feet Spikes 35mm	SPIKE35

20L Sand  
Cavity for  
Extra Sound  
Dampening  
& Stability

STANDS  
1.2 Metres  
Tall



20mm



35mm







# Audio Speakers & PA

## 5" MTM SPEAKER KIT

### ACOUSTIC TIME-ALIGNED & COAXIAL SINGLE POINT SOUND SOURCE MONITORS

The Peerless HDS250 high-definition loud speaker system is designed to reproduce both music & home theatre audio in true audiophile quality. This attractive and relatively compact sized speaker system gives excellent and enjoyable long-term listening. The powerfully dynamic 5" HDS phase-plug Peerless driver supplies articulate, tight, fast bass with ultra-low distortion and minimal harmonics up to surprisingly high volume levels! The crystal clarity of a beautifully detailed wide sound stage is improved over a majority of other speaker systems due to both the coaxial speaker alignment and the tweeter being counter-sunk into the cabinet which achieves mechanical acoustic time alignment for a brilliantly accurate reproduction with pinpoint sound imaging. Combined with a crossover developed with particular attention being paid to the phase alignment achieves a uniquely seamless transition between the tweeter and mid-woofer not usually mastered by traditional systems. This makes the HDS250 ideal in home theatre due to the impressive impact of the forward realism achieved and can be placed in any or all of the room positions (front/rear/centre) due to the inherent wide dispersion. The incredible accuracy achieved places this speaker in a "Monitor" class faithfully reproducing even the most subtle details of your favourite music. Multiple driver configurations are also more efficient so are also quite suitable for the low power of valve amplifiers, etc. Ideally matched with our XLS1000 or XLS800 subwoofers for an exceptional high-end audio system. A special version of the HDS250 has been optimised specifically as a horizontally mounted centre channel unit, see our HDS255c.

- Frequency Response 47Hz to 25KHz
- Size H495 x W180 x D305mm 15Kg
- Recommended amplifier 10W to 150Wrms
- Impedance 4 ohm Nominal
- Sensitivity 92dB
- New mains for HiFi Systems
- Surround sound for Large rooms
- Matches with our subwoofers
- See our XLS800 or XLS1000
- Big sound, small enclosure.
- Time-corrected, Pin-Point imaging.

**HDS**  
High Definition Series

Premium  
Audio  
Monitors

PRICE EACH  
2 REQUIRED  
FOR STEREO

### COMPLETE KIT - SOLD SINGULARLY

Includes 1 box and all components required as listed below. Two required. Select colour:

Colour	Type	Code
Black	Vinyl	KIT250BV
Jarrah	Veneer	KIT250JA

### CABINET ONLY - SOLD SINGULARLY

Complete built cabinet, lined with internal wadding Packaged. Select colour: Black Vinyl or Genuine wood veneer.

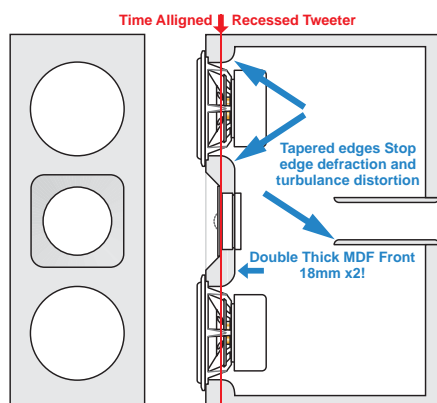
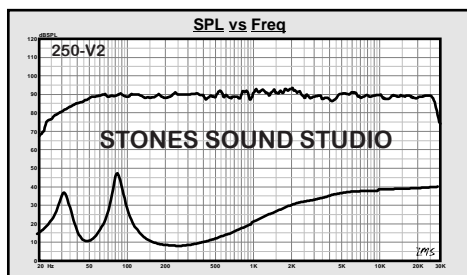
Colour	Type	Code
Black	Vinyl	CAB250BV
Jarrah	Veneer	CAB250JA

### OTHER PARTS REQUIRED - x2 for Stereo

Description	Code
HDS Exclusive Midwoofer	831882
Tweeter HDS Peerless	P810921
Crossover Suit HDS250 Kit	XON250-V2
Screws, Bag of 20	AS420-20



HDS250 KIT & PARTS







## 5" MTM CENTRE SPEAKER KIT

### CENTRE FRONT STAGE PERFORMANCE FROM A VOCAL SPECIALIST!

The Peerless HDS255c audiophile high definition centre speaker is optimised to be mounted horizontally for front and centre positioning. Although the Mid-Bass drivers are NOT magnetically shielded, this will not effect LCD & Plasma screens. Crystal clear highs, tight fast bass, with a beautifully articulated forward mid-range presence with low distortion and low compression gives incredible impact in sound and transports the realism right into your living room! This exceptional speaker is electronically optimised for the horizontal axis with particular attention paid in development to achieve the best vocals for most natural realism possible. When matched with other HDS speakers in a home theatre setup, gives a new level of pinpoint focus imaging to sound effects and their location relative to the screen just as the director intended. The Peerless HDS255c can be matched with the Peerless HDS150 satellites, HDS250 sister speakers or the floor standing HDS455. Also recommended is the XLS1000 or XLS800 subwoofers to complete your ultimate home theatre experience.

- Frequency Response 47Hz to 25KHz
- Size W495 x H180 x D305mm
- Recommended amplifier 10W to 150Wrms
- Impedance 4 ohm Nominal
- Sensitivity 92dB
- Optimised for centre sound
- Excellent voice performance
- Matches with our HDS series
- HDS150, HDS250 or HDS455
- Big sound, small enclosure.
- Time-corrected, Pin-Point imaging.
- Horizontal mounting optimised.



### COMPLETE KIT CENTRE CHANNEL

Colour	Type	Code
Black	Vinyl	KIT255CBV
Jarrah	Veneer	KIT255CJA

### CABINET ONLY - SOLD SINGULARLY

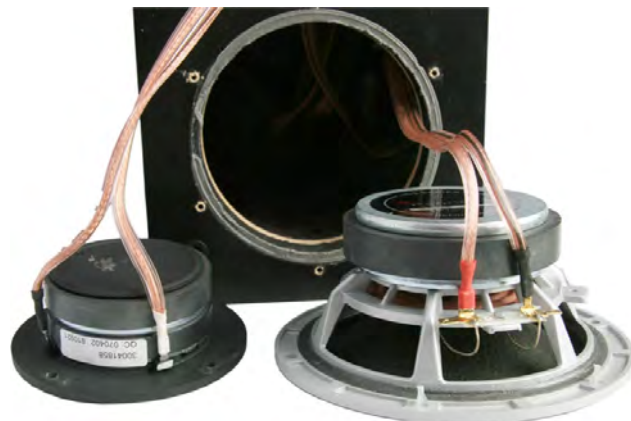
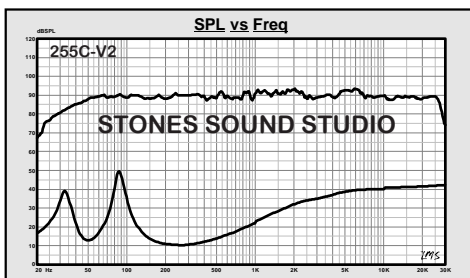
Complete built cabinet, lined with internal wadding Packaged. Select colour: Black Vinyl or Genuine wood veneer.

Colour	Type	Code
Black	Vinyl	CAB250BV
Jarrah	Veneer	CAB250JA



### SEPARATE PARTS AVAILABLE

Description	Code
HDS Exclusive Midwoofer	831882
Tweeter HDS Peerless	P810921
Crossover Suit HDS250 Kit	XON250-V2
Screws, Bag of 20	AS420-20



HDS255c CENTRE - KIT & PARTS

## 12AWG QUAD OFC SPEAKER CABLE - FLAT FOR LOW CAPACITANCE & UNDER CARPET RUNS

### AS RECOMMENDED BY STONES SOUND STUDIO

This excellent value for money cable is the type used within all the HDS & XLS Speaker kits for their internal wiring and is also quite suitable for use as connection between the speakers and amplifier. All HDS Kits have the option of Bi-Wiring where quad cable is required Alternatively you can split the quad cable all the way down the middle to produce two by two cables for standard connection to the amplifier. Exotic high grade 99.99% OFC copper in a unique quad low-profile form. Unique ultra-thin, woven copper in a low profile for reduced capacitance. Ideal for running along floors and unobtrusively under carpets, etc. Supplied on a 50M reel, which is actually 100M if split down the middle

### 0.07 x 384 STRANDS (x4) 12AWG/10AWG

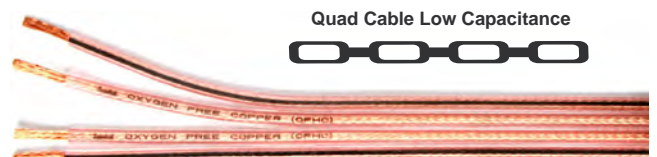
Length	Code
50M	OFC384

### AVAILABLE CUT TO THE METRE

Code
OFC384-1



See Cables & Connectors Section  
Gold Plated Plugs



Quad Cable Low Capacitance





# Audio Speakers & PA

## DUAL 12" EXTREME AUDIOPHILE SUBWOOFER KIT

### SUB-SONIC EXTREME PERFORMANCE - REAR FIRING PASSIVE RADIATOR GOES BELOW 20HZ

The XLS1000 is a true audiophile subwoofer. It is easily capable of out performing a majority of units costing multiples more. A beautifully clean sound with very fast and tight bass at either subtle volumes or at extra high SPL, reproducing deep, dynamic and detailed bass at frequencies down to the infra-sonic. This top-of-the-line subwoofer will exceed the requirements for a majority of systems and rooms with both accuracy in music and explosive effects for Home Theatre that will shake your world! The incredible depth of bass goes down below 18Hz in an enclosure of only 60 litres. An eXtra-Long-Stroke 12" Peerless subwoofer is used, set in the forward firing mode. The Peerless XLS, extra heavy duty, exotic material manufactured subwoofer is complemented by a duplicate 12" rear mounted Passive Radiator. This is a non-powered "Drone Cone" that utilises the low frequency energy within the box, similar to a port but with some distinct advantages that improve performance and specifications. Our dual 12" design achieves superior audiophile sound with lower than normally achievable frequency response for a given sized enclosure, all without the air breathing distortion normally associated with a vented enclosure used at such low frequencies and high volume levels. The enclosure is made from extra thick & ridged 33mm MDF board with a total of 7 internal bracing ribs(!) made from solid hardwood and interlocked into the side panels to reduce unwanted panel resonance. All bracing ribs and speaker mounting holes are tapered, again to reduce internal turbulence and distortion. To improve performance, all outer edges are also tapered. The box is impressively finished in a premium quality, double-pack black paint, like a piano finish. Genuine wood feature panels, in a choice of Australian woods, are available, complimenting our HDS series of speakers. This is a fine piece of furniture that looks premium audio. Incredible performance requires an incredible amplifier. As with most subwoofers, our 12" XLS kit comes with a dedicated internal amplifier (see below). However, we have also made available a version with no cut-out hole for the power amp. This is for those who wish to externally amplify their sub with a high performance solution. Now, the 12" driver is capable of running on 300Wrms, long term, so any amplifier will be suitable power wise. However, your choice must have excellent low frequency and subsonic specifications to utilize the possible performance achievable by this sub. Beware: many amplifiers are not good in the sub-sonic, especially powering this 4ohm XLS driver. We also highly recommend some low-frequency equalization to tune the XLS1000 into your room. An easy solution is to utilise our high performance at reasonable cost 200Wrms amplifier. This is a specially Tweaked-Up subwoofer amplifier, manufactured to Stones Sound Studio specifications for driving the XLS range of subwoofers. This optimised amplifier gives a high 200Wrms with very low distortion and excellent stability and specifications. We believe we have achieved a reasonably priced subwoofer and amplifier system with excellent sub-sonic performance that would normally cost considerably more compared to what's available. The XLS1000 looks and sounds like a premium audiophile package that will satisfy even the most ardent listener with its phenomenal performance.

### XLS1000 WITHOUT AMPLIFIER

Blank. No provision for the amplifier. Cut a hole for your own internal amplifier or add a speaker socket and supply your own external power amplifier. Complete built cabinet, lined with internal wadding. Premium 2-Pack gloss painted box with optional genuine solid wood feature panel to match our HDS line of speakers. Packaged. Select panel: Black paint or Genuine wood veneer.

### COMPLETE KIT SPEAKERS & CABINET, NO AMP

Includes Active and Passive speakers, NO amplifier, Cabinet with feature panel (Choose below), Spiked feet, assembly hardware and instructions. 460(w)x460(h)x420(d)mm

Colour	Feature Panel	Code
<b>NO AMP VERSION</b>		
BLACK PIANO	Black Panel	KIT1000PF
BLACK PIANO	Jarrah	KIT1000JA
<b>CABINET ONLY</b>		
BLACK PIANO	Black Panel	CAB1000PF
BLACK PIANO	Jarrah	CAB1000JA

### XLS1002 WITH 200Wrms AMPLIFIER

Includes a Side-Wall Cut-Out (Hole) to suit our premium 200Wrms amp. S200W is 200Wrms into 4 ohms, stable down to 10Hz! Excellent price. Complete built cabinet, lined with internal wadding and beautifully finished Premium 2-Pack Hi-gloss painted box with optional genuine solid wood feature panel to match our HDS line of speakers. Select feature panel colour: Black paint or Genuine wood veneer.

### COMPLETE KIT WITH 200Wrms AMPLIFIER

Includes Active and Passive speakers, S200W amplifier, 2-Pack Gloss cabinet with feature panel (Choose below), Spiked feet, drivers, assembly hardware and instructions

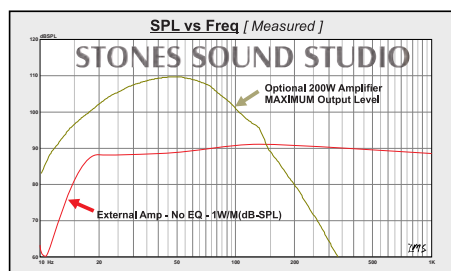
Colour	Description	Code
<b>WITH AMP</b>		
BLACK PIANO	Black Panel	KIT1002PF
BLACK PIANO	Jarrah Panel	KIT1002JA
<b>CABINET ONLY</b>		
BLACK PIANO	Black Panel	CAB1002PF
BLACK PIANO	Jarrah Panel	CAB1002JA

### PARTS BREAK-DOWN (See Kit)

	Instruction Manual	INS1000
	Amplifier, 200Wrms	S200W
	XLS1000 NO-AMP Gold Jacks	J708
	Single Sided Adhesive	GT7100
	RCA 5M, Male - Male x2	AL606
	Screws, Bag of 20	STS8B
	Feet Spikes 35mm	SPIKE35

### DRIVER

	SubWoofer 12" XLS	830500
	Passive Radiator 12" XLS	30W/0-00-00



460x460x420mm (90 Litres)







## 8" COMPACT SUBWOOFER KIT

### SOLID AUDIOPHILE PERFORMANCE WITH LOW SUB-SONICS FROM A COMPACT ENCLOSURE

The 200W XLS800 Subwoofer has been developed for premium performance in small to medium sized rooms for either satellite speaker setups, complimenting any sized loud speaker system with warm quality subsonics, and/or home theatre systems where a compact, yet impressively performing subwoofer is required that does not impose on too much space. The all new, exclusive to WES, true 200Wrms, built-in amplifier has been factory tweaked to our XLS800 designers specifications for extraordinary performance in the low frequency region giving excellent control and power to your audio experience and the absolute best dollar value. This crackerjack amplifier connects via RCA leads to the pre-amp output on a high-end stereo system or the sub-out on any home theatre receiver. Provision for connection directly to the stereos speaker wires is there for upgrading midi systems, etc. Also, world exclusive to WES, is our all new, high performance eXtra Long Stroke subwoofer driver unit that was developed by Peerless Denmark to our designers specifications for this particular application. Giving exceptionally impressive performance for only an 8" sized driver, this XLS subwoofer has a rigid aerodynamic cast alloy chassis, composite stiffened exotic materials pulp cone, extra long stroke voice coil, very large magnet assembly and high power copper voice coil which produces a driver with dynamic tight fast clean bass. These two high technology devices are beautifully integrated into a handsome, premium quality cabinet. This unique subwoofer enclosure has double thickness 36mm front baffle, a centre bracing rib with vent support to provide a very strong and rigid subwoofer box with reduced cabinet movement and thus tightening bass and reducing distortion. Flanged ports and curved edge box and grille design reduces air-turbulence distortion for a better acoustic, more natural bass sound. This remarkable achievement in a relatively compact subwoofer is a clever compromise between practical cabinet size and impressive low frequency sub-bass performance. The combination of a Top-Of-The-Line Danish made driver with a quality, dual ported box and optimised 200Wrms amplifier, gives performance that equals or betters most 10" subs, without the bulkiness or boom of similarly priced units. The smooth, authoritative bass response extends below 30Hz giving clean, accurate sound that will satisfy a majority of bass hungry enthusiasts with DVD sound effects reproduced with dramatic aplomb. The XLS800 Active Subwoofer will excel in high end speaker systems with CD, DVD, DVD-A and SACD music. It will impress by its ability to provide the lower octaves of bass that are normally not produced by a subwoofer speaker of this compact size.

- Compact 375mmH x 315mmW x 440mmD 50L
- 200Wrms Optimised In-Built Amplifier
- 25-35Hz to 60-200Hz -6dB/O (Adj. filters)
- 18mm thick cabinet walls, 36mm front.
- Exclusive 8" XLS premium Subwoofer.
- Dual, flared rear firing tuning ports.
- Low resonance, high performance design.

### COMPLETE KIT 200W AMP, SPEAKER & CABINET

Colour	Type	Code
Black Vinyl	Black Panel	KIT800BV
Jarrah	Feature Panel	KIT800JA

### CABINET ONLY

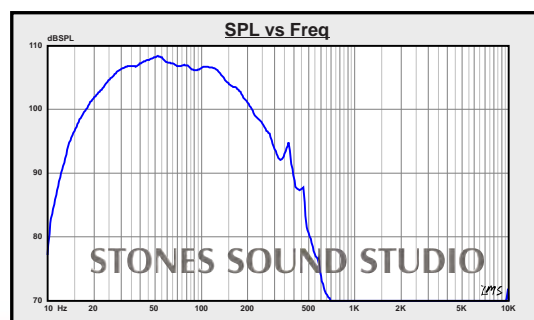
Completely finished cabinet, lined with internal wadding. Attractive wood style black vinyl box with optional genuine solid wood feature panel to match our HDS line of speakers. Packaged. Select colour: Black Vinyl or Genuine wood panel.

Colour	Type	Code
Black Vinyl	Black Panel	CAB800BV
Jarrah	Feature Panel	CAB800JA

### PARTS IN KIT AVAILABLE SEPARATELY

Description	Code
Instruction Manual	INS800
8" XLS Woofer	830869
Single Sided Adhesive	GT7100
RCA 5M, Male - Male x2	AL606
Screws, Bag of 20	STS8B
Amplifier, 200Wrms	S200W

Amp Hole:220x220mm Face(Bevel):250x250mm.



SOLID BASS PERFORMANCE



**Ported 8"**  
8" Active XLS & 200Wrms Amp

**XLS**  
EXTRA Long Stroke





# Audio Speakers & PA

## Signature Series

### SIGNATURE SERIES RIBBON LOUDSPEAKER KITS

#### USING THE FOUNTEK JP3.0 RIBBON SUPER TWEETERS

Designed by Russell Storey of Stones Sound Studio These new kit speakers use the very-high-performance audiophile grade Fountek JP3.0 Ribbon Tweeters with the latest in Peerless Mid-woofers. After the success of our Peerless HDS Series of audiophile monitor kits, Customers have been requesting them adapted to suit our new range of ribbon tweeters for unsurpassed fidelity & transient response up to 40kHz Kits are now supplied with assembled crossovers, so no-soldering required! In development for over 12 months, we are proud to present our new kits: For more information, please see the Signature Series Home Site:

[www.fountek.com.au](http://www.fountek.com.au)



### FEATURES FOR SPEAKER KITS WITH RIBBONS

High quality Australian made enclosures supplied fully assembled Pre-drilled screw holes. Port installed, internal edges chamfered Made from 18mm MDF with double thickness 36mm for the front panel Internally braced for excellent rigidity reducing cabinet resonance Available in bare MDF for painting, etc. Or in Black Vinyl veneer Kit also includes attractive front cloth-grille on frames assembled LMS developed crossover is assembled with premium grade components Linkwitz & Riley with Bessel-Butterworth response for linear phase Air-core copper inductors and non-inductive resistors are used SCR 400V metalised polypropylene capacitors manufactured in France 4mm Gold-plated binding posts can be wired singular or Bi-wired Low capacitance OFC Cable with no-soldering speaker connectors Professional development time as produced a solution that offers Very low distortion, linear sound and very accurate phase response

#### SPECIFICATIONS FOR KIT260

Frequency Range	44Hz-40kHz (On Axis)
Efficiency (Averaged)	92.5dB SPL (1M/2.83Vrms)
Nominal Impedance	4 Ohms
Recommended power	5 to 120W Unclipped program material
Harmonic Distortion	THD 0.3% @ 1 Watt (2.83Vrms) 1kHz
Relative Phase Coherence	±30° 400Hz to 10kHz
Crossover Network	No Soldering required. Finished ready to go.
Internal Wiring	High Quality OFC 384 Strand Low-Capacitance Quick-Install Push-On connections
Speaker terminals	4mm Dual gold plated binding posts (x4) For single or Bi-Wire/amplifier connections
Crossover Filter	2-Way Off-Set Bessel/Butterworth Linear-Phase
Crossover Frequency	3.8kHz
Crossover Low Pass	2nd Order 12dB/Octave Low Pass
Crossover High Pass	3rd Order 18dB/Octave High Pass
Mid-Bass Peerless	832873 Woofer 5" Nomex Cone Cast Alloy Frame with inverted dust cap
Tweeter	Fountek JP3.0 Ribbon
Dimensions	555x180x365mm (*380mm w/ grill)
Weight	15Kg each.



### KIT260 STEREO PAIR COMPLETE KIT

D'Appolito MTM design offers a very high 92.5dB efficiency with pin-point imaging for a beautifully accurate sound stage Complete Kits supplied in pairs for the stereo front channel Includes cabinets, drivers, all hardware & assembled crossovers

Description	Code
Plain MDF	KIT260MDF
Black Vinyl Veneer	KIT260BV

#### KIT ALSO AVAILABLE WITHOUT CABINETS

Includes the SIX drivers & both Assembled crossovers

Description	Code
No Box	SPK260

### KIT260C SINGLE CENTRE CHANNEL COMPLETE KIT

Designed for use as a Home Theatre Centre Channel Single Unit To match acoustically & aesthetically with the KIT260 Speakers

Description	Code
Plain MDF	KIT260CMDF
Black Vinyl Veneer	KIT260CBV

#### KIT ALSO AVAILABLE WITHOUT CABINETS

Includes the THREE drivers & Assembled crossovers

Description	Code
No Box	SPK260C

**KIT260  
SOLD IN  
PAIRS**

**KIT260C  
CENTRE  
SINGLE**



Image shows "Plain MDF" Cabinet painted in Blue Two-Pack





## □ Signature Series

### AS FEATURED IN SILICON CHIP

#### FULL CONSTRUCTIONAL WRITE-UP AND EDITORIAL REVIEW BY LEO SIMPSON:

"...These unique speakers are among the very best kit speakers that money can buy. Two separate stereo pairs of loudspeakers are presented, KIT260 & KIT360. In addition, a centre channel variant of the KIT260, the 260C was designed to complement the KIT260 and KIT360 for high-end Home Theatre A/V systems or for a high performance stereo system. Alternatively, you may decide on a mix of the HD260 (front) and HD360 (rear) together with the HD260C for the centre front channel. Whichever approach you take, you can be sure that you will be getting a sensational speaker system. Make no mistake, these ribbon units are the finest tweeters we have ever heard. They are so clean in their definition and the pin-point localisation of instruments in a stereo spread has to be heard to be believed. On top of that, these speakers have very low distortion - measured at around 0.3% THD at 1kHz and 1 watt..." Leo Simpson. Silicon Chip. December 2007  
www.siliconchip.com.au



### FOUNTEK RIBBON TRANSDUCERS

Fundamental physics support the ribbon as a perfect type of transducer. A thin light metal ribbon is suspended in a powerful magnetic field. The signal current passes through the ribbon in the magnetic field. The ribbon itself projects the sound faithfully and instantaneously. The ribbon serves both as voice coil and diaphragm. Every part of the ribbon is driven directly and simultaneously without any energy storage. No sound colouring at all in its usable frequency range up to 100kHz. Output voice therefore always perfectly replicates the input signal. Maximum speed of response. Start and stop is instantaneous. Maintains the leading edge of musical sounds and their harmonics. Extremely low inter-modulation and harmonic distortion due to low mass. Capable of the highest efficiency known in direct radiator transducers.  
www.fountek.com.au

**FOUNTEK**  
www.fountek.com.au  
**JP3.0 RIBBON TWEETERS**

#### SPECIFICATIONS FOR KIT360

Frequency Range	43Hz-40kHz (On Axis)
Efficiency (Averaged)	87.5dB SPL (1M/2.83Vrms)
Nominal Impedance	8 Ohms (6.1 ohms Rdc)
Recommended power	5 to 120W Unclipped program material
Harmonic Distortion	THD 0.3% @ 1 Watt (2.83Vrms) 1kHz
Relative Phase Coherence	±30° 400Hz to 10kHz
Crossover Network	No Soldering required. Fully finished. Ready to go.
Internal Wiring	High Quality OFC 384 Strand Low-Capacitance Quick-Install Push-On connections
Speaker terminals	4mm Dual gold plated binding posts (x4) For single or Bi-Wire/amplifier connections
Crossover Filter	2-Way Off-Set Bessel/Butterworth Linear-Phase
Crossover Frequency	3.2kHz
Crossover Low Pass	2nd Order 12dB/Octave Low Pass
Crossover High Pass	3rd Order 18dB/Octave High Pass
Mid-Bass Peerless 830883 Woofer	6.5" Nomex Cone Cast with Centre Phase Plug
Tweeter	Fountek JP3.0 Ribbon
Dimensions	445x205x345mm (*360mm w/ grill)
Weight	12Kg each.



### KIT360 STEREO PAIR 6.5" KIT

Includes cabinets, all drivers, all hardware & assembled crossovers. Traditional design 2-Way utilising the superb JP3.0 bandwidth matched with Peerless "Exclusive Range" of audiophile drivers. Complete Kits supplied in pairs for premium HiFi Stereo systems.

Description	Code
Plain MDF	KIT360MDF
Black Vinyl Veneer	KIT360BV

#### KIT AVAILABLE WITHOUT CABINETS

Includes the four drivers & both assembled crossovers

Description	Code
No Box	SPK360

**Kits include all parts required to assemble a pair of speakers**







# Audio Speakers & PA

## □ Speaker Tester

### PHASE-IT SPEAKER POLARITY TESTER

The Phase-it® generates a harmless electrical pulse into the connected speaker or speaker system. A built-in microphone at the top of the Phase-it® receives the pulse reproduced by the speaker and compares it with the one of the generator.

The actual phase/polarity of each driver tested will be indicated by the bi-coloured LED of the Phase-it®. Green indicates that the measured driver is in phase (correct polarity) and red indicates a 180 degree shifted phase (incorrect polarity).

While measuring a "pop - pop" sound is audible and the diaphragms of the drive units should move a little, point the microphone end of the Phase-it® close to the speaker and move it from driver to driver.

- Fast and efficient tool for verifying the polarity of loudspeakers
- Works perfectly with individual drive units and with individual drivers in a multi-way boxed speaker system
- Clear indication of each drivers polarity and function for fast troubleshooting
- Auto power off for long lasting battery time

Code  
PHASE-IT

[www.phase-it.com](http://www.phase-it.com)



Made in Denmark.  
Metal hand wand  
160x30x20mm

### LUTRON SOUND LEVEL METER

#### LUTRON PROFESSIONAL CALIBRATED

This unit is designed to meet IEC 61672 Class 2 testing standards. A premium audio level instrument Precision calibrated (Certified). With A & C Weighting (Filter), Fast/Slow time response with Hold. Camera stand mount socket. Includes a plastic carrying case.

- Frequency & time weighting meet IEC 61672 class 2.
- A and C weighting, fast/slow time weighting
- Max. hold and Data hold
- Reset button for Max. hold.
- 30~80dB, 50~100dB, 80~130dB
- Large 3½ Digit LCD Numeric Display
- 3.5mm audio output to analyzer, etc.
- Size : 250 x 83 x 32 mm.

Code  
SL4011



### AUDIO SIGNAL GENERATOR

#### 20Hz to 150KHz <0.3% THD SINE WAVE OR SQUARE OUTPUT

A highly useful pocket sized signal generator for on-site servicing of audio equipment or for service bench use. Generates sine and square waveforms in 46 preset frequencies from 20Hz to 150kHz in two ranges (x1 and x100). Adjustable amplitude up to 8V peak to peak on square wave or 1.2V RMS on sine wave. Output impedance 600Ω for direct driving most audio equipment eg amplifiers, mixers etc. Also features a Sync output for triggering an oscilloscope. Includes test leads. Requires 9V battery (not supplied).

A must have piece of test equipment for mobile audio techs, installers or engineers!

- 20Hz to 150kHz in 46 presets
- Sine or square wave output
- Adjustable amplitude
- Oscilloscope sync output
- Compact size
- Includes test leads

Code  
SG1542







## DAYTON CALIBRATED MICROPHONE - USB

### CONNECTS TO MAC OR PC

Dayton Audio's UMM-6 USB measurement microphone matches the level of precision previously offered only by expensive measurement equipment.

- Precision condenser microphone for critical measurement and recording applications
- Connects to your PC or Mac via USB port
- True omnidirectional pattern and calibrated flat frequency response
- Rugged construction with high-quality components
- Compact design; includes sturdy carrying case with foam insert
- Compatible with most industry-standard measurement software

Capsule type: Precision 6 mm electret condenser

Polar Response: True omnidirectional

Frequency response: 18-20,000 Hz (Calibrated)

Sensitivity at 1 kHz into 1K ohm: 10 mV/Pa (-40dBV, re. 0dB = 1V/Pa)

Maximum SPL for 1% THD @ 1000 Hz: 127 dB

S/N ratio: 70 dB (A-weighted)

Connector: USB B female

Weight: 148 grams.

Code

UMM6



## DAYTON CALIBRATED MICROPHONE - XLR

### REQUIRES PHANTOM POWER

The Dayton Audio EMM-6 precision electret condenser microphone is designed for measurement and critical recording applications where extremely flat frequency response and a true omni-directional polar pattern is a must for accuracy.

- Perfect for use with room acoustic analyzers and audio measurement systems with analogue XLR input
- Low noise FET input reduces low-frequency distortion
- 18Hz - 20KHz, 200Ω, 1% THD at 1KHz 127dB
- Gold-plated XLR connector balanced output
- High-quality components and rugged construction 190mm long
- Calibrated using a laboratory standard Bruel & Kjaer microphone
- Includes its own unique calibration response graph to serial number
- Each individual electronic calibration file is available for download
- Includes stand mount, foam windscreen, and protective case
- Requires phantom power from +15V to +48V

Code

EMM6



Requires XLR Lead  
Requires Phantom Power

## DAYTON CALIBRATED MICROPHONE - 3.5MM

### FOR IPHONE® IPAD® AND ANDROID TABLETS

Turn your iPad®, iPhone®, or iPod® touch into a laboratory grade audio measurement device with Dayton Audio's IMM-6 iDevice calibrated measurement microphone.

- Precision condenser microphone for critical measurement
- For use with Apple iPad®, iPhone®, iPod® Touch via 3.5mm TRRS headset jack
- Compatible with Android and Windows® Phone devices with TRRS jack
- Headphone/Line Out pass-through jack for test signals or listening
- Kickstand feature elevates and angles device and microphone capsule
- True omnidirectional pattern with calibrated flat frequency response
- Rugged construction with high-quality components

Code

IMM6



Phone Not Included

<http://www.daytonaudio.com/index.php/test-measurement/imm-6-idevice-calibrated-measurement-microphone.html>

[http://www.parts-express.com/videos/video.cfm?Video\\_ID=2986](http://www.parts-express.com/videos/video.cfm?Video_ID=2986)





# Audio Speakers & PA

## DAYTON AUDIO TEST SYSTEM DATS-V2

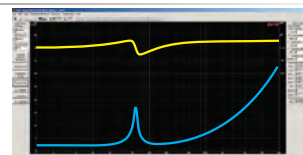
### SPEAKER PARAMETER TEST PROGRAM FOR BOX CONSTRUCTORS

A comprehensive and very easy-to-use audio test system toolkit for the PC. Dayton Audio's DATS-V2 is a powerful, versatile measurement and analysis device for use to build better loudspeaker systems. DATS measures over 30,000 data points in just a few seconds using a new swept sine technique. The result is a very high-resolution impedance measurement that allows the extraction of an extremely accurate driver parameter set, suitable for the most critical loudspeaker design work.

- Compact USB interface with alligator test leads for easy setup and application
- No microphone required. All measurements done across the speaker terminals
- Simple calibration procedure for accurate speaker parameter measurements
- Software signal generator with selectable waveform, frequency, and amplitude
- Sine, square, triangle, saw tooth, impulse, pink noise, and log sweeps
- Oscilloscope with dual traces and adjustable time and amplitude scales
- Data can be printed or saved to create a driver parameter library
- Parameters can be exported to WinSpeakerz and other popular box design programs
- Measures Vas using added mass, test box, SPL method, or calculate from specified Mmd
- Straight forward, easy-to-use measurement software for the DIY speaker builder
- Operates on Windows® 98 up to Windows® 10 with a USB 2.0 port. Software included.

Code  
DATS-V2

V2.1 is now available for download from  
<https://www.trueaudio.com/dats/>



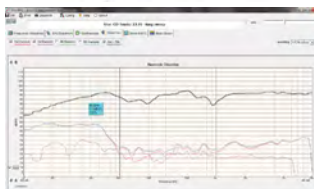
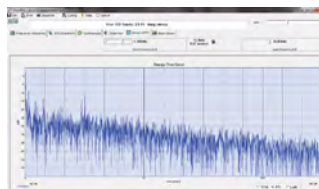
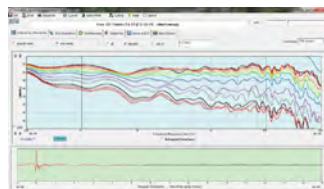
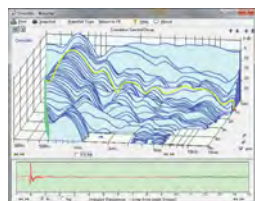
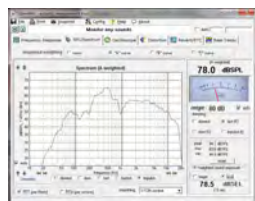
## DAYTON OMNIMIC-V2

### INCLUDES EXCLUSIVE SOFTWARE

Dayton Audio's OmniMic V2 was developed in collaboration with Liberty Instruments, inventors of the Praxis analysis tool. Powerful, versatile, yet easy to use, the OmniMic V2 will become an indispensable part of your audio toolbox—whether for testing individual speaker components or entire in-place audio systems of every description. The OmniMic V2 provides quick and accurate measurements that will reduce installation time, saving you both labour and money. The OmniMic V2's test signals may be initiated from the host computer, or from any audio CD player. System includes calibrated USB microphone, rubberized mic clip, software and test signal discs, 6 ft. USB 2.0 cable, desktop tripod stand, and carrying case. Compatible with Windows® XP to Windows® 8.

- Updated software and improved hardware
- Compact, portable, accurate, affordable
- Intuitive software—open the box, start testing in minutes
- Perfect for setting up home theatre systems
- Optimized for use with netbooks and laptops
- Accurate response down to 5 Hz, fully calibrated, includes FRD file
- For professionals and hobbyists—design and tune speaker systems and arrays

Code  
OMNIMICV2





# Data & Computer



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## □ Casio LED Projectors

### LAMP-FREE PROJECTOR TECHNOLOGY

- LED / LASER HYBRID TECHNOLOGY
- NO LAMP REPLACEMENT - EVER!
- NO AIR FILTER REPLACEMENT
- REDUCED ENERGY REQUIREMENT
- NUMBER ONE SELLER FOR 6+ YEARS
- LOW TOTAL-COST-OWNERSHIP
- MADE IN JAPAN QUALITY
- GENEROUS WARRANTY

# CASIO®



More Info Visit: [www.wes.com.au/info/casio](http://www.wes.com.au/info/casio)

### CASIO ULTRA SHORT THROW PROJECTOR - LAMPFREE

Casio's Ultra Short Throw LampFree® projectors incorporate Laser & LED Technology to produce images of impressive detail and colour. The new technology projectors can produce pictures with a brightness of up to 3500 lumens\* and contrast ratio of 20000:1, which enables them to project vivid and clear images even in a fully lighted room. They have a long lasting lifespan of up to 20,000 hours with reduced electricity consumption and no lamps or air filters to replace. With their Ultra-Short Throw lens, you can project brilliant, crisp, shadow-free images of up to 110 inch (2.8M) diagonal with a full assortment of connectivity and features. The built-in short throw lens and advanced mirror system provides an extremely close throw ratio (0.28:1) and projects an 80 inch (2M) image from just 50cm away. Other new features includes a 7 steps automatically brightness control, horizontal keystone correction and USB display. The projectors include a RJ45 networking port to connect to your LAN. An optional WiFi adaptor (YW-40) is required to connect the XJ-UT351 to a WiFi network. XJ-UT310 includes a bonus WiFi adaptor.

- Short focus lens is capable of projecting a 60-inch screen image from a distance of just 13cm.
- The long life light source provides approximately 20000 hours of illumination.
- The dustproof design reduces degradation of luminance associated with accumulated dust.
- Adoption of the Laser & LED light source has decreased power consumption drastically compared to high pressure mercury lamps.

#### INCLUDES WALL MOUNT BRACKET

Lumens	Resolution	USB	LAN	WLAN	Code
3500lm	WXGA(1280x800)	Yes	Yes	Requires YW-40	XJ-UT351WNBKT
	1.04 Billion Colours			WiFi adaptor	

#### INCLUDES WALL MOUNT BRACKET + BONUS WiFi DONGLE !

Lumens	Resolution	USB	LAN	WLAN	Code
3100lm	WXGA (1280x800)	Yes	Yes	bonus YW-40	XJ-UT310WNBKT
	16 Million Colours			WiFi Included	



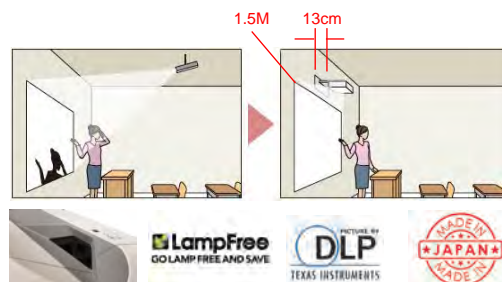
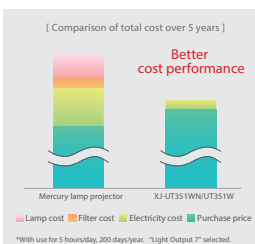
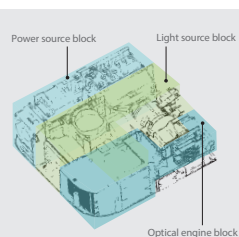
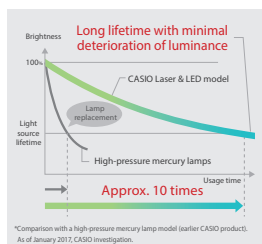
3500 Lm



3100 Lm

# CASIO

Warranty: 5 years parts and labour or 10,000hrs, whichever occurs first



### CASIO SLIM SERIES PROJECTORS - LAMPFREE

#### A4 SIZED AND ONLY 40MM THICK !

The Slim series projectors are the slimmest projectors in its class. With only 40mm in thickness and 2.3kg weight. These projectors are not only small, but they are packed with competitive features compares to the larger projectors in the market. With pictures up to 2500 to 3000 lumens at WXGA resolution. It is ideal for use in a boardroom or in a classroom. Its light weight and small size enables you to put it into a carry case, and take it to different venues for doing your presentation. These projector models accept RGB and HDMI inputs. The more advance USB models (XJ-A247 and XJ-A257) also include USB display and wireless remote control capabilities. All the models use the advance energy saving Casio LampFree technology for light source which can last up to 20,000 hours.

- Extra slim and Portable, great for mobility and portability
- Wide-angle 2x zoom capability
- Wireless operation for smooth meetings and presentations with C-Assist
- Internal memory for PC-free presentations

Lumens	Resolution	USB	WLAN	Code
2500lm	WXGA (1280 x 800)	No	No	XJ-A242
2500lm	WXGA (1280 x 800)	Yes	WiFi	XJ-A247
3000lm	WXGA (1280 x 800)	No	No	XJ-A252
3000lm	WXGA (1280 x 800)	Yes	WiFi	XJ-A257



USB & WiFi Optional

# CASIO



Warranty: 5 years parts and labour or 10,000hrs, whichever occurs first





More Info Visit: [www.wes.com.au/info/casio](http://www.wes.com.au/info/casio)

## CASIO ADVANCED SERIES - LAMPFREE

### CASIO ADVANCED FEATURES

The Casio Advanced Series is the next generation in LampFree. Advanced Series Projectors provide high brightness, up to 3500 ANSI lumens in XGA and WXGA resolutions. Two (2) HDMI inputs provide connectivity with all current display technology without the need for switching cables. A high power USB port (DC 5V 2A) provides direct power for USB stick devices and eliminates the need for a separate power supply. All Casio LampFree Projectors are built to last and backed by an "Industry best" 3 year parts and labour warranty plus 5 years or 10,000 hours on the light source out of the box. Network ready models incorporate LAN Connectivity (RJ-45) plus a USB port for PC-Less presentations (USB Thumb drive) and are WiFi ready.

- Two (2) HDMI inputs
- VGA & Composite Video
- Power USB port (DC 5V 2A)
- Instant Light Control – 7 level
- High Power 16 watt speaker
- 1.5 X Manual Zoom/Focus Lens
- DLP® Technology
- Laser & LED Light Source
- Long Life, 20,000 hour
- Low Power Consumption

Lumens	Resolution	USB	WLAN	Code
3000lm	WXGA 1280x800	Yes	Requires YW-40	XJF-200WN
3500lm	WXGA 1280x800	Yes	Requires YW-40	XJF-210WN

### WIFI DONGLE (OPTIONAL)

USB Dongle required for wireless features.

Code  
YW40



# CASIO



3000 Lm



3500 Lm

## CASIO CORE SERIES WIDE-SCREEN

### WIDE-SCREEN WXGA 1280X800 - 5 YEAR LAMP WARRANTY

The Casio CORE Series incorporates essential features with Casio's Industry Leading LampFree® Technology to create a budget friendly LampFree® projector. The CORE Series is available in XGA and WXGA resolutions and up to 3500 ANSI lumen brightness utilizing a 1.5x manual zoom lens. Compact and lightweight, the CORE Series delivers reliable long term operation, exceptional image quality & connectivity and is ideal for use in classrooms, in the boardroom or on the road. Reliable and built to last, the CORE Series is covered by a 5-year parts and labour warranty plus an industry leading 5 year/10,000 hour light source warranty.

- HDMI input
- Dust Resistant design
- Instant Light Control – 7 level
- 1.5 X Manual Zoom/Focus Lens
- DLP® Technology
- Laser & LED Light Source
- Long Life, 20,000 hour estimated operating life
- No Lamp replacement required
- No Down Time
- Low Power Consumption
- Mercury Free

Lumens	Resolution	USB	WLAN	Code
3000lm	WXGA 1280x800	No	No	XJV-100W
3500lm	WXGA 1280x800	No	No	XJV-110W

# CASIO



3000 Lm



3500 Lm

## CASIO CORE SERIES PROJECTOR XGA

### 4:3 SCREEN XGA 1280X768 - 5 YEAR LAMP WARRANTY

The core series projector targets customers who are looking for an economical to run protector. With pictures up to 2700 lumens at XGA resolution, it is a sturdy and capable projector for presenting visuals in a classroom or meeting room. This projector also implemented CASIO's hybrid light source lamp-free technology. This substantially reduced the total cost of ownership from having a longer life light source that can last up to 20000 hours which reduce the amount of time and money spend on maintaining the lamp.

- Stylish compact 270x270x90mm
- Incredibly affordable price TCO
- Easy replacement for upgrade
- Dust resistance. Includes remote.

Lumens	Resolution	USB	WLAN	Code
2700lm	XGA (1024x768)	No	No	XJ-V1

Warranty: 5 years parts and labour or 10,000hrs, whichever occurs first

# CASIO







## □ Peripherals

### □ Mouse

#### MOUSE - BLUETOOTH

##### WIRELESS

No dongle supplied.  
Bluetooth® V3.0  
10M Range Wireless.  
5 button + Scroll  
2x AAA Batteries.  
95x65x36mm

Code  
MOU407



#### MOUSE - WIRELESS

##### 800dpi iRocks 2.4GHz

Multi-channel wireless. Frequency hopping type. Laser technology gives better smoother tracking. Compact mid sized hand. Very comfortable to use. 1x AA Battery + Dongle

Code  
MOU403



#### MOUSE - WIRELESS NOTEBOOK MS

##### MICROSOFT® 3500

OEM Black/Grey. Optical sensor.  
Compact portable 4 Button & Tilt.  
Low-profile USB Dongle  
95x55x40mm  
6 Months 1x AA

Code  
MOU302



#### MOUSE - WIRELESS

##### 500dpi 2.4GHz

5 Button mouse with scrolling  
2.4GHz wireless mini dongle  
102x70x37mm 2x "AAA"

Code  
MOU405



#### MOUSE - WIRELESS TILT MS

##### MICROSOFT® 4000

OEM 2.4GHz wireless  
Nano USB receiver.  
Blue track technology  
Tilt Wheel 4 Button  
Full sized 60x102mm  
10 Months 2x AA

Code  
MOU303

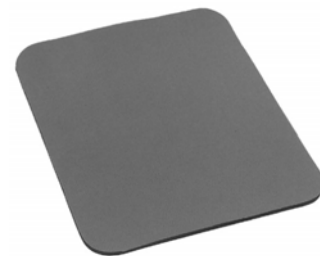


#### MOUSE PADS

##### CLOTH/FOAM

General Purpose  
Long lasting  
Cloth material  
on a Foam base  
260mm x 220mm

Code  
MP109B



Colour may vary depending on stock

#### MOUSE PAD DELUXE

##### GEL WRIST PAD

Cloth material Foam  
padded Rubber grip  
Fatigue free  
260mm x 220mm

Code  
GMP4



MOUSE NOT INCLUDED

GEL  
WRIST  
SUPPORT

NOTE: PRODUCT STYLES MAY CHANGE DEPENDING ON STOCK





## MOUSE - OPTICAL MS USB

### MICROSOFT® OPTICAL

Optical sensor 3 Button + Scroll  
Left/Right handed USB 150x120x50mm

Colour	Code
Black	MOU208
White	MOU207



## MINI-MOUSE PORTABLE USB

### RETRACTABLE CORD

Super-Mini for small hand & Ideal notebook add-on mouse. Retractable cord. 70x44mm

Code
MOU202



## MOUSE USB

Full size wired optical mouse for PC and notebook. 3 buttons with scroll wheel. 800dpi. Windows® and Mac® OS compatible. 115x60x40mm

Code
MOU216



## MINI-MOUSE USB

### FIXED CORD

800dpi with Wheel  
Three button mouse  
Laser Tracking System. Medium sized 90x50x33mm

Plug	Code
USB	MOU210



## MOUSE - FLAT STYLE USB

Low profile and compact, glide mouse has a sleek polished finish and discreet buttons coupled with a convenient scroll wheel. With USB interface the glide mouse offers exceptional pointing performance that would complement any desktop. Compatible with Windows® and Mac®.

Colour	Code
Black	MOU213BK
White	MOU213WH



## NUMERIC KEYPAD USB

Add-On Numeric Keypad for Laptops, etc. 19 keys including "00" & "BackSpace". 131x100x12mm

Code
KBD18



## GAMEPAD PC-USB

### ANALOGUE THUMB PADS

Game pad with dual joysticks built-in integrated buttons 4 axis pad stick 12 other buttons vibration feedback just like Playstation®

Code
GMAT0710



## MOUSE ADAPTORS

### USB[M]-PS2[F]

Type	Code
Adaptor	USB200A

### PS2[M]-USB[F]

Type	Code
Adaptor	USB203

### USB EXTENSION [M/F]

Length	Code
1M	CL900
3M	CL902
5M	CL903



## MINI USB KEYBOARD VACUUM CLEANER

USB powered mini vacuum cleaner. Bristle brush and flexible rubber attachments supplied for different applications.

Code
USB433



USB POWERED

NOTE: PRODUCT STYLES MAY CHANGE DEPENDING ON STOCK





## Keyboards

### KEYBOARD - MINI MULTI-MEDIA COMPACT

#### SLIM NOTEBOOK STYLE WITH 10X HOT-KEYS

Small foot-print keyboard solution with full sized keys. 89 keys (No Numeric Keypad) with Web, Email, Multi-media and Windows™ hot-keys. Also ideal for those familiar with the Laptop/Notepad keyboard layout. USB and PS2 Plugs. Compact 285x135x17mm

Code

KBD91



### KEYBOARD - COMPACT USB

#### SMALL FOOTPRINT

Full key sized with compact, low profile design and minimum desktop borderless size. Quality feel and keypress. Black. 1.5M Lead to USB Plug. 460x145x25mm  
\*Style may differ without notice

Code

KBD2006



### KEYBOARD - 107 KEY USB

#### GENERAL PURPOSE BASIC

Compact, low profile design. Full Windows™ key complement, 107 keys, power, etc. Soft touch feel key strokes.  
\*Style may differ without notice

Code

KBD1004



### PS/2 KEYBOARD

#### WATER RESISTANCE DESIGN

The general purpose PS/2 keyboard has a low-profile keycap structure provides comfortable use. Water resistant design prevents damages due to accidental drink spillage. Good value, suitable for home and office.

Code

KBD1011

**NOTE: STYLES MAY  
CHANGE DEPENDING  
ON STOCK**



### KEYBOARD PROGRAMMABLE GAMING

#### 3 COLOUR BACKLIT - USB

This Transformers Series keyboard features an extreme shape exterior that looks great with 3 colour backlighting. The full size keyboard can change between red, blue and pink colours that back-lights all the keys on the keyboard. There are 5 sets of programmable Macro keys for simplifying long, complex sequences of commands in-game with just one keystroke. They are really simply to setup. There are also the standard multimedia keys for launching programs and controlling your media. Compatible with all Windows® versions with USB. 495x215x35mm

Code

KBD4007







## KEYBOARD - FOLDABLE WATERPROOF

### USB / PS2 WITH 112 KEYS

490x139x12mm Rubberised Silicone. Totally flexible and water proof. Impervious to dirt and grime. Normal size keyboard layout. 10 million key strokes long-life. Excellent for hostile environments.

Colour	Code
White	KBD2000
Blue	KBD2001BU



## DESKTOP PAIR USB KEYBOARD & MOUSE

### USB INTERFACE KIT

Full windows™ keyboard with palm rest. Includes 800dpi optical mouse with scroll wheel. Spill resistant. Low noise keys. Low profile.

Code  
KBD2005



\*Style may change depending on stock availability.

## MICROSOFT DESKTOP VALUE PACK USB

### MULTIMEDIA KEYBOARD & OPTICAL MOUSE

Great value in a sleek desktop from the well known brand. This desktop set combines a spill-resistant keyboard and optical mouse to deliver all the features you need, and more, with Microsoft quality and reliability. Enjoy plug-and-play setup, Windows® integration, Quiet Touch keys with quick access to media controls and calculator, and a comfortable ambidextrous mouse.

Code  
KBD2004



## WIRELESS KEYBOARD AND MOUSE COMBO

Slim 2.4G Wireless Desktop with Nano USB receiver. Function keys give you quick access to your media player, homepage, volume adjustment and etc. 125x392mm. Windows® XP/ Vista / 7 / 8.

Code  
KBD5004



## MICROSOFT WIRELESS DESKTOP

### WIRELESS 850 SERIES KEYBOARD & MOUSE

Product brand dependable cordless desktop from Microsoft®. Control and convenience are at your fingertips with this compact keyboard and reliable mouse. The strong and secured wireless signal allows you to choose where you want to work. And the desktop is easy to use - just load batteries, plug in the receiver, and start typing! 460x160mm

Code  
KBD5008



NOTE: STYLES MAY CHANGE DEPENDING ON STOCK





## Rii K16 MULTIMEDIA KEYBOARD WITH TOUCHPAD

### BLUETOOTH / 2.4GHZ DUAL MODE

RT503 multifunctional wireless keyboard features a 92 keys wireless QWERTY keyboard and a handy touchpad. This unique keyboard has two connection modes. It can be connected to a PC, laptop or a compatible TV box through a supplied USB 2.4GHz wireless receiver. Alternatively, it can be connected to your mobile devices through Bluetooth (There are 3 shortcut keys on the keyboard for quick pairing with three different devices). Metal backed. Rechargeable. 12x165x240mm. The keyboard has LED backlit and charging cable to recharge the keyboard. Bonus leather case is also included to let you carry it comfortably.

Code  
KBD5010



2.4GHZ OR  
BLUETOOTH



Bluetooth®

PAIRS WITH  
THREE DEVICES!



## Rii MINI i8 WIRELESS KEYBOARD WITH TOUCH PAD

Rii RT-MWK08 wireless keyboard is an excellent companion for PCs, media centers and Android media boxes. The compact size allows you to control your device from your finger tips while you are away from the keyboard and mouse. The keyboard has 92 keys and a handy touchpad. The keyboard has a QWERTY layout as well as multimedia control keys. The keyboard also has auto sleep and auto wake mode to save power. Compatible with Windows 10/8/7/Vista/2000/XP and Android OS devices with a standard USB port. Rechargeable with supplied lead. Includes USB 2.4Ghz receiver. Size: 147 x 98 x 19mm

Colour	Code
Black	KBD96BK
White	KBD96WH



## MINI BLUETOOTH MULTI-MEDIA REMOTE CONTROL & TOUCHPAD FUNCTION KEYBOARD

Bluetooth® Wireless Mini QWERTY Keyboard, Touch Pad & Presenter Combo, with USB interface receiver (Optional). Can be used for e-mail, chat or games. It is compatible with desktop computers running Windows® or Linux, but also with handhelds running Android, Windows® Mobile and Sony Playstation®. Use it with your HTPC to browse the internet in the most comfortable fashion. Built-in rechargeable lithium-ion battery. Innovative design. Navigation keys, One Wireless Laser Pointer, e-Pointer, has a real notebook Touchpad. Size- 151x59x12.5mm

Colour	Code
Black	KBD92BK
White	KBD92WH



Bluetooth®



LASER POINTER

USB CHARGE



## WIRELESS SLIM KEYBOARD AND MOUSE COMBO

Slim 2.4G Wireless Keyboard and Mouse with Nano USB. Compact scrolling wheel mouse 1600dpi. Water, dust resistance 3x AAA batteries (Included). Size: 285x120x10mm. Windows®



Code  
KBD5006



## ULTRA THIN BLUETOOTH KEYBOARD

Bluetooth® 2.0. Operating distance up to 10 metres. Compatible with Mac®, iPad®, iPhone®, Windows®, Android and even Sony® PS game consoles. No drivers need to be installed, can be used directly.

Colour	Size	Code
White	285x120x6.7mm	MBK9031



Bluetooth®

## MINI BLUETOOTH KEYBOARD

Bluetooth® 2.0. Operating distance up to 10 metres. Compatible with Mac®, iPad®, iPhone®, Windows®, Android and even Sony® PS game consoles. No drivers need to be installed, can be used directly.

Colour	Size	Code
Black	115x61x9mm	MBK9020



Bluetooth®

NOTE: STYLES MAY CHANGE DEPENDING ON STOCK





## Remotes & Presentation

### WIRELESS AIR MOUSE & KEYBOARD

Elegant design, with keyboard on one side, and mouse/remote-control on the other side.  
Wireless connection to your PC, Android TV box, etc.  
Power by a built-in rechargeable Li-Ion battery.  
USB charging cable included.  
Anti-shake design make the mouse cursor stable and smooth.  
Ergonomic design for better comfort and accuracy.  
3-axes Gyroscope + 3-axes G-sensor.  
Supports Windows, Mac OS, Android, Linux operating systems

Code  
KBD94



### WIRELESS AIR MOUSE & KEYBOARD

This wireless air mouse is a wireless mouse and keyboard combo. This product features an air mouse with MEMS gyroscope, which allows you to control the cursor on a PC, HTPC, Android TV box by simply holding the mouse control button and waving the air mouse through the air. The air mouse is connected to your devices with a 2.4GHz USB wireless receiver that is included with the product. Apart from using the air mouse to move the cursor, there is a QWERTY keypad that allows you enter text to your device with ease. It has an anti-shake design to make the mouse cursor stable and smooth. Elegant and ergonomical design, light weight and easy to hold and use.  
Requires 3x AAA batteries to operate.  
Supports Windows, Android and Linux operation systems.

Code  
KBD95



### KEYBOARD MOUSE & REMOTE + MHF COMBO

Wireless Mini QWERTY Keyboard & Air Mouse on one side and 8 in 1 learning IR remote on the other.  
Plus audio chat. With USB receiver. Built-in advanced lithium-ion battery, long life energy-efficient.  
Universal infrared remote controller with an advanced learning function with a wide and reliable range of learning formats which means about 99.9% of infrared remote controls on the market can be successfully learnt. After learning the signals can be transmitted with high precision and a small frequency error (20kHz~60kHz  $\pm$ 1kHz).

Code  
KBD93

[www.riitek.com](http://www.riitek.com)



### MEDIA CENTRE REMOTE CONTROL

#### REMOTE FOR WINDOWS MEDIA®

Familiar remote control compatible with Windows® Media Centre and most HTPC, XBMC/Kodi, etc. Popular control buttons and quick-keys included. Eight-way thumb button for pushing the mouse. Includes USB IR Receiver. Requires 2x AAA batteries.

Code  
USB207



### WIRELESS PRESENTER

Provides forward and back control of PowerPoint® and Keynote® plus 6 button quick-key and dual side controls + trackball mouse. 1 GB memory to store your presentations in the USB RF receiver. Laser pointer helps you highlight key points. Plug and play simplicity requires no setup. USB receiver with 1Gb memory included.

Code  
USB310



TRACK-BALL, LASER POINTER  
& 1GB MEMORY STICK IN ONE

NOTE: STYLES MAY CHANGE DEPENDING ON STOCK





## Scanners

### HANDHELD SCANNER WAND AND REVIEW SCREEN

Compact and handy portable document scanner for scanning images, letters, plastic films, etc. Using the Colour Contact Image Sensor technology, it can produce high quality scan of up to 1050 dpi. Comes with a 1.44" TFT Colour Display to display stored scan images. The scanned images are stored in a micro SD card (required) in commonly used JPG and PDF output format. Powered by a built-in rechargeable Li-polymer battery, and can be recharge from the onboard USB 2.0 port. USB cable and OCR software are included, also included a handy leather carry bag OS Support, Windows® XP (SP3), Vista, 7/8, and Mac® 10.5+

Display: 1.44" TFT Colour Display  
Selectable Resolutions: 300/600/1050dpi  
Photo & Document Size: A4 (210\*297mm) and Lower  
Supported File Formats: JPEG/PDF  
Memory: Micro SD Up To 32GB (Not Included)  
Scanning Speed A4 Size, JPG or PDF:  
High Resolutions (1050dpi) ≥12 seconds;  
Medium resolution ~10 seconds  
Low resolution ~8 seconds  
Supported both Colour / Mono scanning

Code  
USB221



### HANDHELD SCANNER WAND WITH AUTO FEEDER AND REVIEW SCREEN

This 2 in 1 portable document scanner and the auto feed docking station improve the control of the scanning speed and thus improve the quality of the scan. Using the docking station, it can achieve up to 1200dpi of scan output in colour or black & white. Comes with a 1.44" TFT Colour Display to display stored scan images. The scanned images are stored in a micro SD card (required) in commonly used JPG and PDF format. Powered by a built-in rechargeable Li-polymer battery, and can be recharge from the onboard USB 2.0 port. USB cable and OCR software are included, also included a handy leather carry bag OS Support, Windows® XP (SP3), Vista, 7/8, and Mac® 10.5+

Display: 1.44" TFT Colour Display  
Selectable Resolutions: 300/600/1050/1200 dpi  
Maximum Resolutions: 1200dpi with docking station, 1050dpi without docking station  
Photo & Document Size: A4 (210\*297mm), A5(148\*210mm), 5R(5\*7inch), 4R(4\*6inch), 3R(3.5\*5inch) and Lower  
Supported File Formats: JPEG/PDF  
External Memory Support: Micro SD Up To 32GB (Not Included)  
Scanning Technology: A4 Colour Contact Image Sensor (CIS)  
Scanning Speed A4 Size, JPG or PDF:  
High Resolutions (1050dpi) ≥12 seconds;  
Medium resolution ~10 seconds  
Low resolution ~8 seconds  
Selectable Colour / Mono: Supported

Code  
USB222

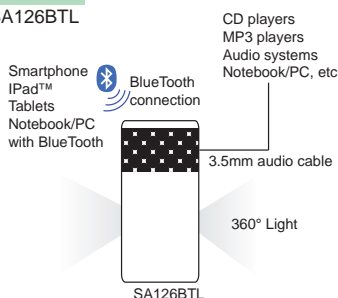


## Speakers

### PORTABLE BLUETOOTH SPEAKER

Compact and lightweight, only 640g.  
Built in rechargeable Li-ion battery  
Up to 4 hours of quality audio  
Up to 6 hours of powerful LED light  
LED night light with dimmer function  
Mobile hands-free capability  
IP4X Water resistance level

Code  
SA126BTL



Includes a micro USB SAA adaptor + charging cable and a 3.5mm line audio cable  
Size: 190x95x95mm

### MINI WIRELESS BLUETOOTH SPEAKER

#### PORTABLE & RECHARGEABLE

Compact portable Bluetooth® speaker with stylish design metal case. Expanded Bass Xpansion System. Compact design: 50x60mmØ. Supports TF card MP3 playback and AUX input 3.5mm. Built-in microphone included for phone hands free answering. Requires Micro-USB Charger (USB Lead included). Built-In 520mAh rechargeable battery for up to 5 hours use.

Colour	Code
Black	SPK1022BK
Blue	SPK1022BU
Red	SPK1022RD







## 2.0 SPEAKERS MINI

### BATTERY OPERATED

Desktop multimedia speakers with volume  
Runs on 4X AA. DC Jack for optional power.  
3.5mm Stereo plug. 2 1/4"  
Full range 80x80x125mm

Code  
LX98



## 2.0 SPEAKERS

### USB POWERED

Input 3.5mm Analogue  
Powered by USB Plug 2  
Watts RMS Output Slim  
compact style Branded as  
"Rock" Power On/Off switch  
Stereo volume control

Code  
SPK1016



## 2.0 SPEAKER SYSTEM - USB POWERED

### EDIFIER STEREO DESKTOP

USB powered [ 1A 5V required ]  
Compact 50x90mm  
Power and volume control  
3.5mm auxiliary input  
Headphone jack access

Code  
SPK1023

### OPTIONAL USB POWER

Code  
PTXUSB



## 2.1 MULTIMEDIA AUDIO SPEAKER SYSTEM

### WITH WIRED REMOTE

Compact, modern desktop audio solution with wired remote control of volume and power. Wooden sub-woofer cabinet with 4"  
Suit stereo audio 3.5mm.  
Sub: 160x225x250mm  
Sat: 65x140x112mm  
Mains powered.

Code  
SPK1024



## 2.1 SPEAKER SYSTEM WITH BLUETOOTH

### LISTEN TO MUSIC VIA A WIRED SOURCE OR FROM BLUETOOTH

Subwoofer and amplifier module with 2x external high-range 2-way speakers (2.1). Input via 3.5mm or Wirelessly via Bluetooth®.  
Compact full-audio sound in a modern package

Input type: Bluetooth® or 3.5mm auxiliary  
Power Output: RMS 8W x 2 + 18W  
Signal to noise ratio: ≥85dBA  
Master volume and bass adjustment dial on subwoofer  
Satellites: 90x158x100mm  
Subwoofer: 164x192x278mm

Code  
SPK1025



## LIQUID SOUND RECHARGEABLE BLUETOOTH

Multi Coloured LED Liquid Jets effect speakers 3W  
Bluetooth® V3.0 with play and control your music  
Micro SD (optional) card with built-in MP3 Player  
3.5mm stereo line input with cable  
USB rechargeable 2300mAh battery  
Control Volume, Next/Previous Song, Input, Play/Pause

Code  
SPK1051



## LIQUID SOUND ROTATING JETS SPEAKERS

2 x 3W Speakers stereo 3.5mm input  
6x Multi Coloured LED Liquid Jets per speaker  
On-Board function buttons to control Volume, Power On/Off and Jets On/Off  
Dimensions Of Each Speaker: 90x90x267mm  
Includes USB Cable for power (Power required)

Code  
SPK1052



## LIQUID SOUND SPEAKERS ORIGINAL EDITION

2 x 3W Speakers with 3.5mm stereo input  
4 x Multi Coloured LED Liquid Jets per speaker.  
Dimensions Of Each: 51mm x 63mm x 220mm.  
Includes USB link cable, requires USB power

Code  
SPK1050BK







## Headsets

### HEADSET 40MM

Unique ear cup design with comfortable padding for extended listening, high-performance 40mm neodymium drivers. Adjustable boom microphone for optimum voice pick-up. Single side 1.8M cord. Adjustable head band. Gold plated 3.5mm plugs 20-20000Hz, 100dB, 32Ω with volume control. Perfect for multimedia applications.

Code  
CV-M361



### HEADSET IN-LINE MIC

#### VOLUME & MIC LAPEL

Multi-purpose headphone. Can be used as a headset with the inline mic or as normal audio headphones. Excellent Sound Quality. Adjustable headband with comfortable ear pads. Inline Mic & Volume Control. 20-22KHz 32Ω 105dB 3.5mm Plugs.

Code  
MD207B



### HEADSET 40mm

#### ROCK MHEADPH-6

Neodymium driver. Enclosed ear cups. Foldable headband. 2.5M cord with inline microphone and volume control. Two 3.5mm plugs.

Code  
HP1009



### 3.5mm PC TO QUAD ADAPTOR

#### STEREO 3.5MM PLUGS (PC) TO QUAD 3.5MM SOCKET

The adaptor allows the use of a mobile phone type handsfree head set with quad plug on a computer that has separate speaker and microphone ports. Length: 17cm

Code  
AD921



4 Pin Plug for Mobile Devices, etc.  
See Section 03 AUDIO & SPEAKERS For More...

### NECK HEADSET 36mm

Quality 36mm neodymium drivers. Flexible, behind the head design fits comfortably and packs easily. Great for voice & video chat, games, etc. Microphone volume controller. Noise-cancelling microphone helps minimize background noise. 3.5mm

Code  
HP404



### HEADSET 27MM

Multi-media headset WITH VOLUME CONTROL compact comfortable with adjustable boom mic. Two 3.5mm stereo plugs. Electret condenser mic. Long 2 Metre cord. Quality Yoga components

Code  
EM174



### USB PC HEADPHONES

#### USB ONLY - NO MICROPHONE

Digital headphones for direct connection to a computer or laptop via the USB-2 Port. Windows™ No sound card required. Stereo digital converter. Premium 38mm drivers. USB

Code  
AM835U



### USB MULTIMEDIA HEADSET

USB 2.0 multimedia headphone with MIC. Slim stereo design with volume control, speaker mute & mic mute functions. 2M high quality cable. Ø40mm high quality speaker driver. Adjustable mic. Plug n play, easy to use.

320Ω 100mW  
105dB ±3dB  
20Hz ~ 20KHz  
Mic 58dB ±2dB

Code  
HP1008



## Microphones

### DESK MICROPHONE

#### GOOSE NECK

Sturdy wide base with mute switch. Metal goose neck holds position. 1M lead terminates to analogue USB or digital 3.5mm.

Type	Code
3.5mm	MO3
USB	MO4



NOTE: STYLES MAY CHANGE DEPENDING ON STOCK





## BLUETOOTH HEADPHONE

### ELEGANT DESIGN WITH BUILT-IN MIC & AUDIO LINE-IN

Listen to music wire free from your smartphone, tablet, laptop, and other Bluetooth® enabled audio players with this Bluetooth® wireless headphone. Professionally tuned for superior acoustics with Ver.3.0 Bluetooth®. Up to 20 hrs play time after fully charged. Up to 20M Operation range. Light weight, adjustable headband. With built-in microphone, you can also use it for Skype and gaming. Rechargeable through the micro USB port with the supplied charging cable. Also supports audio line-in with an included 3.5mm headphone lead.

Code  
HPB618BK



## BLUETOOTH SPORTS EARPHONE

### BLUETOOTH® 4.0 RECHARGEABLE EARPHONES

Sports Bluetooth® earphone with flat cable and controller. Comes with a pair of ear hooks and 3 sets of ear tips for multi fit comfort tailoring. Built-in rechargeable lithium battery for up to 6hrs play time. Latest Bluetooth® 4.1. Light weight design for comfortable long-term wearing. Built-in microphone, volume, play/pause and answer/hang-up. Answer phone calls or play music with the multi-control button. Supplied with USB charging cable.

Driver Diameter: 9mm for extra bass  
Frequency: 20-20,000Hz  
Sensitivity: 90dB +/- 3dB  
Impedance: 16ohms (+/- 10%)  
Connection: up to 10M

Code  
MHF9007



## BLUETOOTH EARSET

Bluetooth® 1.2 and 2.0. Up to 10m. Talk 6 hours. Standby 200 hours. Comfortable to use with an adjustable earloop. Supplied with USB charger cable only.

Weight	Size	Code
6.5g	38x18x10mm	CBH1009



## BLUETOOTH STREET STEREO

Foldable neck-band Stereo headphone set Listen & control music from a multimedia phone or laptop, tablet, etc. Control Volume, FF/ Rew, Answer calls, etc. with the buttons on the edge of the earpiece. Hands-free mic. 240V/USB Charger Inc.

Code  
CBH879



## BLUETOOTH EARPHONE WITH MIC

### BLUETOOTH 4.0

Portable lightweight and sweat-proof design  
Built-in microphone for handsfree  
Answer / end-call button  
Built-in rechargeable Li-ion battery

Code  
CBH037



## BLUETOOTH EARPHONE WITH MIC - DUAL NFC

### BLUETOOTH 4.1

Working time: Up to 8 hours  
Standby time: 240 hours  
Output: 0.125W x2  
Microphone: -45dB  
Charging Voltage: DC5V 0.5A  
Charging time: 2 hours

Code  
CBH621



## BLUETOOTH CLIP ON HEADSET WITH MIC

### BLUETOOTH 4.0

High definition Bluetooth® stereo clip on receiver and earphone offers clear quality sound. It can be used with smartphone and other media devices that are compatible with Bluetooth®. You can also answer calls with the built-in mic.

Code  
CBH035



## BLUETOOTH NECKBAND HEADSET

### BLUETOOTH 4.0

10 hours / 360 hours standby battery time:  
Transmission range: about 10M  
Bluetooth version: 4.0+EDR  
Running, walking, cycling, sports, and outdoor enthusiasts:  
Put the phone in pocket or backpack, easy to enjoy your music and calls.  
Bluetooth size: 167mm x 135mm x 17mm

Code  
CBH730







## Web Camera

### WEBCAM

#### 640x480 CMOS

Desk-top stand or monitor/laptop clamp. Plug-N-Play Windows™ No drivers required. 16 Mega Pixel. Digital zoom face tracking software. USB2.0 + 3.5mm mic.

#### Code

WEB203



### EASycAM DESKTOP

#### USB 5.0 MEGAPIXEL

Direct Plug'N'Play USB2.0 No drivers required. MAC & PC Compatible. Desk stand and monitor mount. Built-in microphone. Adjustable angle. 8M CMOS 8/16/ 24 BIT, CCIR601, CCIR656. USB 2.0 lead 1.2M.

#### Code

USB191



### WEBCAM DESKTOP

#### WITH MIC

USB 1.1 cable Windows™ compatible PnP (No drivers) and 3.5mm mic. VGA Res. Inbuilt IR-LED. Desk standing or Clamp.

#### Code

USB196



### USB DIGITAL MICROSCOPE

#### 1.3 MEGAPIXEL CAMERA

Dual axis 27x100 Microscope Lens Mechanical zoom operation. Inbuilt White light LEDs 100x33mm + Desk stand.

#### Code

USB211



### SURVEILLANCE DVR CCTV & IP SYSTEMS

#### SEE THE SECURITY SECTION

A comprehensive range of camera systems that are IP or conventional CCTV are available in our Security Section.

Also available are sophisticated IP online DVR systems.



## IP Cameras

### TP-LINK CLOUD CAMERA

#### LIVE STREAMING OVER THE INTERNET

Cloud camera uses www. tplinkcloud.com portal for viewing and management anywhere globally on your mobile phone with tpCamera App on iOS or Android. In-built 300Mbps WiFi repeater. 4x Digital zoom. Microphone. Email notification. 640x480px 20fps VGA MJPEG 1-Way audio. Powered by included power-pack. RJ45 100Mbps. 96x61x24mm

#### Code

TL-NC200



Note: Requires upload data bandwidth

### TP-LINK CLOUD CAMERA NIGHTVISION

TP-LINK's NC220 cloud camera is a cloud-based Wi-Fi video monitoring device with free live streaming and remote viewing that makes it easy to stay connected with whatever you care about most in your home or business, wherever you are. To improve on the previous model NC200, this camera now comes with night vision function, which enables you to view up to 5 metres in total darkness.

#### Code

TL-NC220



Note: Requires upload data bandwidth

### IP CAMERA WIRELESS PAN/TILT VGA

#### REMOTE PAN/TILT

Connect to IP Network via CAT5e or WiFi. IR LED for night vision. Inbuilt Mic & Speaker. View via browser. 640x480px.

#### Code

CAM353



### IP CAMERA PAN/TILT

#### Level1 PTZ WIFI 150Mbps

Fixed lens 62° in 2 or 5 Mega pixel CCD RJ-45 10/100Mbps Ethernet or WiFi USB and/or SD Memory AVI External 12VDC Power Pack I/O terminal block (1 DI / 1 DO) 105x110x105mm 355°/135° Manual/Automatic software

#### CCD

2M CMOS 1/2.7" WCS-6020

5M CMOS 1/3.2" WCS-6050

#### Code







## IP CAMERA 1.3M

### COMPACT MPEG4

Desktop mount webcam  
Network addressable  
With 2-Way audio.  
Motion detect software.  
Available in VGA or  
1280x960px 1.3MP.  
Optional WiFi.

Type IP WiFi  
TVL SXGA  
Code WCS-0040



## IP CAMERA WIFI 1M

### 150Mbps 1Meg IP CAM

Megapixel 1280x800px  
with monitor software  
for remote viewing.  
Motion image detect  
with notification via  
email. 150Mbps with  
WPS push-button.

Code  
WCS-0050

au.level1.com



## IP CAMERA 3M

### PoE NETWORK CAMERA

3-Megapixel high-definition resolution  
Compression: H.264/MJPEG  
Power support: PoE (IEEE 802.3af)  
Free 64-channel monitoring software  
included (supports OneSecure App)

Code  
FCS-0032



## IP CAMERA 5M

### PoE NETWORK CAMERA

Built-in Micro SDHC/SDXC card slot for local storage  
5-Megapixel (2592 x 1944) high-definition resolution  
Features WDR (Wide Dynamic Range) to enhance  
visibility under extremely bright or dark environments  
Compression: H.264/MJPEG  
Power support: PoE (IEEE 802.3af)  
Free 64-channel monitoring software  
included (supports OneSecure App)

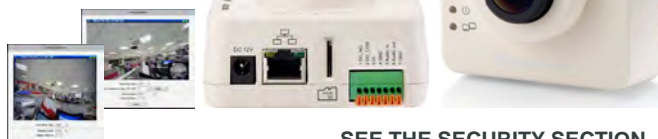
Code  
FCS-0051



## IP CAMERA 2M FISH-EYE PoE

Panoramic Network  
Camera with 180° view.  
Local storage with  
MicroSD Card slot.  
80x80x50mm

Code  
FCS-0071



SEE THE SECURITY SECTION

## LevelOne PROFESSIONAL IP CAMERA RANGE

### SECURITY SECTION

Complete range of IP Cameras  
are available from LevelOne.  
See the LevelOne price list  
pages and more details on  
their web site, or see our  
security section.

au.level1.com



## GEOVISION PROFESSIONAL IP CAMERA RANGE

### SECURITY SECTION

Complete range of IP Cameras  
are available from Geovision.  
See the GeoVision pages in  
our security section.



## VIP VISION IP CAMERA RANGE

### UP TO 12MP

Comprehensive range  
of surveillance system  
cameras that are  
ideal for PVR security  
systems. All cameras  
are ONVIF compliant.



## SURVEILLANCE DVR CCTV & IP SYSTEMS

A comprehensive range of camera systems that are IP or  
conventional CCTV are available in our Security Section.



Also available are sophisticated IP online DVR systems.  
SEE THE SECURITY SECTION





## Fans / Lights

### USB FAN

No Office Air-Con? No problem! Keep cool this summer by simply plugging the USB Mini Fan into your PC. Flexible Metal gooseneck On/Off Switch with Variable fan speed. Soft Fan blades

Code  
USB129



### USB FAN & LIGHT

#### DARK & HOT?

LED x5 Array Separate Fan Metal goose necks Weighted Base w/ Power I/O switches Low USB Power iMac® aqua clear

Code  
USB136



### USB FLUORO LIGHT

#### FLUORESCENT NEON

Modern stylish USB Powered light Long lamp Neon Gooseneck adjustable Desk stand USB Cord

Code  
USB150



### USB SNAKE LIGHT - SUPER BRIGHT LED

Brighten up your work space Powered from your laptop USB port making an easy and portable solution for illuminating dark low light areas. Ideal for laptops. Flexible metal gooseneck for easy & accurate light positioning.

Code  
USB193



### USB LED LAMP

#### WITH 6 SUPER BRIGHT LEDS

The flexible neck can be bent and holds at various angles for different applications such as for providing lighting to the laptop keyboard. Users can also plug it into a power bank to use this as a desk lamp or a torch.

Includes 6x super bright LEDs  
Rated power: DC 5V 1.2W  
Size: 170 x 18.5 x 9mm

Colour	Code
Black	USB102BK
Blue	USB102BU
Green	USB102GN
Orange	USB102OR
Pink	USB102PK
White	USB102WH



## Bluetooth

### BLUETOOTH USB DONGLE

#### LONG RANGE 30M

Receives Bluetooth® for enabled devices. Efficient power use EDR of 3.0Mbps USB PnP Windows™

Ver.	Type	Code
2.0	Square	USB106
4.0	Round	USB121
4.0	Square	USB119



## WiFi Dongles

### WIFI USB DONGLE LEVEL1

#### WIRELESS LAN

Plug-N-Play WiFi to USB2.0  
Inbuilt antenna & security

Speed	Type	Code
300Mbps	Inbuilt Antenna	WUA-0605
150Mbps	2dBi Antenna	WUA-0614
150Mbps	5dBi Antenna	WUA-0624
300Mbps	Dual 2dBi Antenna	WUA-1610



### WIFI USB DONGLE TP-LINK

#### TP-LINK WIRELESS LAN

USB 2.0 Plug-N-Play WiFi adaptors.

Type	Speed	Code
Mini Dongle	150Mbps	TL-WN723N
Mini Dongle	300Mbps	TL-WN823N
Regular Dongle	150Mbps	TL-WN727N
Regular Dongle	300Mbps	TL-WN821N
Regular 4dBi Antenna	150Mbps	TL-WN722N
Single 5dBi Antenna	150M	TL-WN7200ND
Dual 3dBi Antenna	300Mbps	TL-WN822N
Dual Band Antenna	600Mbs	TL-WDN3200
Regular Dongle	600M	TL-ARCHERT2U
Regular Dongle	1200M	TL-ARCHERT4U



TL-WN723N  
TL-WN823N



TL-WN721N  
TL-WN821N  
TD-WDN3200



TL-WN7200



TL-ARCHERT2U



TL-ARCHERT4U







## □ USB Accessories

### □ Photo frames

#### 7" DIGITAL PHOTO FRAME

##### 4:3 SLIDE-SHOW FRAME

Digital picture frame Accepts SD, MC & MMC Cards or USB. Supports JPEG files. Screen aspect 800x600 (4:3) Wall hang or free standing. Slideshow or manual change.

Code  
USB141



#### 15" DIGITAL PHOTO FRAME

##### 4:3 FULL-HD 1920x1080

Built-in speakers, slide show effects, video, MP3 player. Remote control. USB or SD card input. Clock and calendar functions. Wall mount or stand.

Code  
USB939



### □ Power Accessories

#### USB BATTERY CHARGER

##### INCLUDE 2X 2300mAh BATTERIES

Recharge AA or AAA batteries through a laptop or PC USB port. LED charging status indicator. Also be powered from a spare NOKIA mobile phone charger. Includes bonus batteries 2xAA 2300mAh rechargeables.

Code  
BC0803



#### 5Ah POWER BANK USB

##### METAL SKIN COMPACT USB

Compact portable device with Micro-USB and USB sockets for charging and output. Includes a 23cm USB to Micro-USB lead. Output is 2.1A max. 158g. 4x LED Capacity indicator.

Capacity 5000mAh  
Size 125x69x10mm  
Weight 158g  
Code BAT9011



## □ Video Capture Devices

#### USB2 VIDEO CAPTURE

##### CAPTURE & EDIT VIDEO

Simple and fun way to convert video from VHS or any source into digital presentations! RCA Video & S-Video + Audio Inputs to USB. Easy to connect PVR solution. Includes recording software. USB2.0 NTSC/PAL 720x576px

Code  
USB179



#### HDMI/COMP/SV/CV TO USB FULL HD CAPTURE

##### VIDEO CAPTURE DEVICE

This High Definition capture box supports HDMI 1080p video/component/SV/CV input and record to H.264 video format. Its low power consumption and superior video processing capabilities make it ideal for integration into high-end portable and desk top PC products.

Code  
CUSB-603



#### 11Ah DUAL OUTPUT POWER BANK USB

11Ah power bank with high quality Samsung Li-polymer battery cell. The power bank has 1x micro USB input and 2x USB outputs. Includes 1M charging lead with dual interface micro USB and Apple lightning connectors.

Compatible with iPhone, iPad, smartphones, tablets and other mobile devices  
Input: 5Vdc 1A  
Output: 5Vdc 1A + 5Vdc 2.1A  
Fast charging, high efficiency

Capacity 11000mAh  
Size 138x61x22mm  
Weight 273g  
Code BAT9032



#### KEYRING 8GB MEMORY & POWER BANK

##### 8GB MEMORY STORAGE

Featuring emergency mobile charger for micro USB devices and 8GB memory storage. Battery Cell: Li-polymer; Battery Capacity: 800 mAh; Input: 5V 500mA Output: 5V 500mA Self-charging Time: 1.5hours

Size 71x31x12mm  
Capacity 1000mAh  
Connector Micro USB  
Code APKRMU







## Video

### USB2.0 TO VGA/DVI/HDMI OUT

#### USB TO DIGITAL MONITOR

USB Graphics adaptors. Connect an extra monitor to the output of any USB2.0 connector from Windows™ PC & Laptop. Extends desktop to Multiple monitors PnP Up to 1280x1024px With adaptors.

Type	Code
VGA DVI HDMI	USB195



#### USB TO VGA OUT

USB2.0 up to 1600x1200 HD15D Socket

Type	Code
VGA	USB133

### USB-C 3.1 TO VIDEO

#### DONGLE ADAPTORS TO USB-C MALE PLUG

Supports up to 3840x2160p 30Hz (4K) and Audio through (if applicable) Supports Chromebook®, Macbook®, Windows® 10, etc.

Plug B	Code
HDMI Female	CA3100
VGA Female	CA3101
DVI-I Female	CA3102
Displayport Female	CA3103
Mini Displayport Female	CA3104
1x HDMI Female, 1x	CA3108
USB2.0 Type-A Female, 1x USB Type-C Female	



### USB3.0 TO HDMI/DVI

Expandable up to six displays with additional USB219 units Provides one 10/100Mbps Ethernet LAN port. Complies with IEEE 802.11n, IEEE 802.11g, IEEE 802.11b standards Supports SSID broadcast control and MAC access control list Support USB 3.0 and 2.0 USB Port Support Video Resolution up to 2048x1152px. Support XP/ Vista / Win7 / Win8 (32/64bits)

Input	Type	Res.	Code
USB3	DVI HDMI	2048x1152px	USB219



### MICRO USB MHL TO HDMI ADAPTOR

#### SAMSUNG GALAXY & OTHERS MHL 2.0

Connect an advanced Samsung Galaxy or Note with MHL output to HDMI socket output. Mirror the audio/video content of the cell phone up to a resolution of 1080p. White 15cm.

Code
MP235



### WIFI TO VGA

#### 1280x768px HD15D Output

Software loaded onto a computer or laptop transmits video via WiFi to this device located on a projector or other display device. 4 to 1 split screen feature allows 4 people to share a single screen!

Code
WVGA10



## Infra Red

### USB TO IRDA

#### INFRA-RED ADAPTOR

Computer desktop type IrDA Sender/Receiver module. Plugs into USB socket. Compatible with many devices including Remote controls, mobile phones, etc.

Code
MA620



## Audio Adaptor

### USB 2.0 AUDIO

#### STEREO DONGLE

2.0 Audio out 3.5mm and 3.5mm Mic In. Compact Dongle. Real USB Plug&Play EAX 2.0 or A3D 1.0 MSDirectsound3D

Code
USB155



### USB AUDIO 5.1CH

#### W/ MIC & SPDIF

Complete USB2.0 Audio interface. 5.1 Channel 3.5mm (x3) output. SPDIF Toslink Optical output and input. 3.5mm Stereo Line in and microphone in. CM6206 16bit upto 48KHz.

Code
USB218



### USB 2.0 AUDIO CAPTURE

#### CAPTURE & EDIT AUDIO

Convert audio from any source into digital storage like CD, MP3 or on hard disc. RCA L/R & 3.5mm jack for Audio Inputs to USB. Plugs direct into your USB port. Edit your sounds using cut, copy, and paste features. Mix tracks, or apply effects.

Code
USB217



### USB TO OPTICAL & AUDIO CONVERTER

#### ASIO USB ASYNC UP TO 192KHZ 24BIT

500 MIPS, 8 threads, XS1-L1 processor Supports Bits : 16 Bits / 24Bits 44.1K, 48K, 88.2K, 96K, 192KHz Support for Windows® and MAC® OS Power supplied by USB. ASIO Driver Supported USB Asynchronous mode Input Headphone 6.35mm Output R/L Stereo RCA Audio Output Digital Optical Toslink Output

Code
DCT-16







## Card Readers

### USB2 SD-MICRO READER DONGLE

#### USB DONGLE SIZE

Compact USB Dongle  
Reads Flash Memory Cards.

Code  
USB198



### USB2 SD READER DONGLE

#### USB DONGLE SIZE

Compact USB Dongle  
Reads Flash Memory Cards.

Code  
USB210



### USB2 MEMORY CARD READER

#### POCKET STYLE

Suits most digital media formats.  
Including Sony™, Kodak™, CF-II, M2,  
MicroSD, MiniSD, SD, MMC, RC-MMC,  
Sony MicroDuo(M2), MS, MS-Duo & XD.  
Windows™, Mac™, etc. 90x70x15mm

Code  
USB186



\*Styles may change

### USB2 MEMORY CARD READER

SD, CD-Micro, MMC,  
MS, XD, CF, TF, M2.  
With 1.2M USB Lead.  
70x40x12mm

Code  
USB199



### USB2 HUB 3 PORT & CARD READER

#### USB HUB COMBO

3x USB Sockets,  
MiniSD, MicroSD,  
Micro MMC, SDHC,  
XD, M2, MMC+, MS.  
Optional power in.  
With 1M USB Lead  
80x50x15mm USB2

Code  
USB209



### USB2 MEMORY CARD READER & HUB

#### COMBO UNIT

4 port USB Hub with All-In-One  
card reader Supports 2GB+  
SDHC SD Mini-SD Micro-SD  
XD CF DUO-Pro Power option  
55x40x40mm

Code  
USB127



### USB 3.0 SUPER SPEED ALL IN 1 CARD READER

#### ULTRA COMPACT SIZE

Supports memory cards:  
CF, M2, SD, SDHC, SDXC,  
M2, XD, Micro SD, Micro  
SDHC, Micro SDXC & TF  
Card. Size 62x62x25mm.

Code  
USB3011



### USB 3.0 SUPER SPEED CARD READER

#### POCKET SIZE

USB 3.0 card reader  
supports memory  
cards - CF, M2, MS, SD,  
SDHC, SDXC, M2, XD,  
Micro SD, Micro SDHC,  
Micro SDXC & TF Card.  
Size 95x50x13mm.

Code  
USB3010



### USB 3.0 CFAST CARD READER/WRITER

#### READ/WRITE CFAST CARD FROM A COMPUTER

Black Aluminium case  
Micro USB 3.0 Input  
CFast 2.0 card slot  
Supports CFast type I / II memory cards  
Downwards compatible to CFast 1.0  
Data transfer rate up to 5 Gb/s  
Power and CFast activity LEDs  
Hot Swap, Plug & Play, Windows®, iOS®

Code  
USB248



### SIM CARD READER

#### STANDARD SIZED SIM

View and Edit Phonebook details stored on your Sim card  
using your PC and the included software (Windows® drivers).  
Suits standard 25x15mm sized SIM. Also supports SD and  
SD-Micro cards!

Code  
USB149



NOTE: STYLES MAY CHANGE DEPENDING ON STOCK





## Switch Box

### 4 PORT USB 2.0 SWITCH HUB

4 Ports USB 2.0 hub with individual selection switch. Plug and Play, no driver installation required. Self powered.

Code  
USB242



### USB2 PC SWITCHBOX

#### SWITCH BETWEEN PCs

Share One USB Peripheral with 2 (or 4) computers. One x USB2.0 480Mbps port. Advanced Hotkey Switching for each PC to take use of a single USB peripheral (Printer, etc.) Manual switch on unit.

Type	Code
2Way	USB128
4Way	USB158



### 4 PORT USB 3.0 & USB 2.0 HUB

#### Powered Hub Manager

4 port powered USB hub manager  
Individual power switch to control on/off  
4 of USB 3.0 super speed port up to 5Gbps  
3 of USB 2.0 high speed port up to 480Mbps  
Support plug and play and hot swappable capability  
3A power pack to support multiple connections.  
Size 176x51.5x13mm.

Code  
USB3024



Note: MAC OS only supports USB2.0 function.

### 13 PORT USB 2.0 SWITCH HUB

Each port is individually switched with blue LED indicator. 3A power adaptor is included. Y-Type USB cable is also included to use the hub without the power adaptor. USB 2.0 (480Mbps) Windows®, Linux, Mac®.

Code  
USB3025

15W



## Power Supply USB

### USB2 HUB 4 PORT

#### SUPER COMPACT DESKTOP

Power boosted: 4 Port USB breakout box. 0.5M USB lead included Silver 70x33x12mm Power Pack Included.

Code  
USB104



### USB 2.0 HUB 7 PORT VERTICAL

USB Powered or Included  
Power Pack Boosted

Code  
USB142



### USB 2.0 HUB 4 PORT SPLITTER

USB 2.0 Compliant with over current protection. Plug & Play installation. Self powered.

Code  
USB245



### USB 2.0 HUB 4 PORT COMPACT

4 USB 2.0 Hi-Speed Ports. Plug & Play installation. Self powered.

Code  
USB244



USB244

Code  
USB241



USB241

### USB 2.0 HUB 4 PORT SLIM

Plug and play, no drivers required. Size 95x30x16mm. Self powered, optional power supply sold separately.

Colour	Code
Black	USB240B
White	USB240W



### POWER PACK

Optional Power Boost

Current	Code
1A	CTC4090
2A	CTC4092

### USB 2.0 HUB 7 PORT SLIM

Plug-and-Play no driver installation required. Individual port over-current protection. Self powered, optional power supply sold separately

Code  
USB247



### POWER PACK OPTION

Current	Code
1A	CTC4090
2A	CTC4092





## Hubs

### USB 3.0 HUB 4 PORT COMPACT

High speed USB 3.0 HUB.  
Automatic switching between self powered and bus powered mode supports plug & play. Over-Current protection safety.  
Size 80x42.7x15mm.

Code  
USB3020



### USB 3.0 HUB 4 PORT BLOCK

#### SUPER SPEED 5Gbps

Four ports USB 3.0 hub for external equipment. Plug and play for Windows® and Mac®.  
5Gbps 53x53x13mm

Code  
USB3023



### USB 3.0 HUB 4 PORT DESKTOP

#### With 1x MicroUSB

High speed 4 port Hub with 4 USB 3.0 'A' port & 1 Micro USB 3.0 port.  
Suitable for U disk, card reader, USB mouse, USB keyboard, USB sound cards, scanners, digital cameras, hard drives and other equipment boxes.

Code  
USB3021



### 4 PORTS USB 3.0 HUB - SUPER SPEED

4 Port Hub for SuperSpeed USB 3.0.  
USB 3.0 Plug to 4x USB 3.0 Sockets.

Ports Code  
4 MP309



**prolink**  
Audio, Visual & Data Integration Products

### 4 PORTS USB 3.0 HUB

#### HIGH SPEED TRANSFER UP TO 5GBPS

It has a 1m long cable and can transfer data at up to 5Gbps.  
Backward compatible with USB 2.0/1.1 devices. Plug and Play. Easy to use.  
Windows iOS Linux.  
60x44x33mm

Code  
USB3028



### USB 3.1 TYPE-C TO 4x USB3.0 HUB

#### TYPE-C INPUT TO USB TYPE-A OUTPUT X4

4 port USB 3.0 Hub. Plug and play support.  
Supports USB 3.1 to USB 3.0 super speed (5Gbps)  
also backward compatible with USB2.0  
Driver free, support Windows, MacOS, Linux.

Code  
USB3104



### USB INTELLIGENT CHARGER 10 PORT 120W - HUB

#### 4 PORT POWERED USB 3.0 HUB + 6 EXTRA CHARGE OUTLETS

10 independent USB outputs for fast charging 10 iPads®, tablets, phones at 2.4 Amp each. Ultra-High Power, Intelligent Recognition for Speed Fast Charging with Auto-detecting current control. Equipped with the latest G13520 USB3.0 chipset, 4 port hub can transfer data at up to 5Gbps.  
AC input 100-240V with master power switch. Features over current, over voltage, over temperature protection and short circuit protection.  
155x105x32mm

Code  
LS-10U24F-HUB



### 7 PORT USB HUB WITH SMART CHARGING PORT

#### WITH 3A POWER PACK

The 7 ports USB hub consists of 1x lightning fast USB3.0 port and 6x USB2.0 ports. One of the USB2.0 can be used as a smart fast charger which can deliver up to 5V 2.1A. Suitable for iPad® and tablets. This USB hub includes a 5V 3A AC external power supply for power hungry USB devices connected to the hub. Compatible with Windows & iOS.

Code  
USB3027



### USB DESKTOP EXTENSION DOCK

#### A MALE TO A FEMALE

1.4M USB extension cable with weighted base. Get your USB port on your desktop for easy access.

Type Code  
USB 2.0 USB108  
USB 3.0 USB115



NOTE: STYLES MAY CHANGE DEPENDING ON STOCK





# Data & Computer

## Card Readers

### USB 3.0 INTERNAL CARD READER + HUB

#### 3.5" BAY - 20 PIN

Supports memory cards: CF, M2, SD, SDHC, SDXC, M2, XD, Micro SD, Micro SDHC, Micro SDXC, MS & TF Card. High Speed USB 3.0 Ports. Fits to 3.5" slot. 20 pin connector that plugs directly into PC motherboard. 3.5" Bay.



Code

USB3012

### PCI-E 4 PORTS USB 3.0 HUB + CARD READER

#### 3.5" BAY TO PCI-E

4 ports USB 3.0 HUB and 6 slots USB 2.0 Card reader SD / TF / XD / MS / M2 / CF. Standard 3.5 inch floppy size, easy to install. 4-pin molex socket for power supply to each USB 3.0 connector up to 900mA. Build-in over current protection. PCI-E connector.



Code

USB3030

### USB2 MEMORY CARD READER

#### FRONT BAY INTERNAL

CF, MMC, SD XD MS DUO PRO Silver or Black faces Included.

Description USB & Flash Slots

Size 3.5"

Code USB145



### USB 2.0 CARD READER WITH BREAKOUT 5¼"

Description \*SATA, \*Firewire

Size 5.25"

Code USB147



## Adaptors

### USB BOARD CONNECTOR

2 x USB type "A" Rear panel mount to:

#### SINGLE 8 PIN

Code

USB1MB

#### TWO 4 PIN

Code

USB2MB



NOTE: STYLES MAY CHANGE DEPENDING ON STOCK

## Hubs

### USB 2.0 HUB 4-PORT 3" BAY

Suit PC 3" Bay mounting built-in 4-Way HUB USB 2.0 Connection via USB plug to rear PC socket (A) Four USB-A Sockets with LED indicator

Code

USB135



## Mounting Hardware

### 3½" HD MOUNT KIT TO 5¼"

Two spacers for mounting a 3.5 inch drive into a 5.25 inch bay. Includes 8 screws. 22x26x90mm x2

Code

HDM35



### 3½" TO 5¼" FASCIA ADAPTOR

Add 3.5" accessories to a PC that has 5.25" Bay spaces.

Code

HDM526



### 2½" HDD MOUNT KIT TO 3½"

Top/bottom or side mounting. Place a small 2.5" Hard Disk in a place for 3.5" Hard Disk. Bracket & screws included.

Code

HDM325



### SECURITY SCREWS FOR DESKTOP PC CABINET

Suits PC Cabinets  
4x Nuts and a key  
Outer nut spins free  
Computer Case Screws  
Internal HDD Screws  
#6-32 x 1/4" Deep

QTY

4 Screws

Code

PCL04



## USB Floppy Drive

### USB EXTERNAL FLOPPY DRIVE

Modern PC's & Laptop computers often no longer include 3.5" Floppy disk drives. This device allows you read / write to Floppy disks via USB Compact. Portable Windows™, i-Mac™, iBook™, 3G, G4 OS-X

Code

USB137



FLOPPY DISK  
NOT INCLUDED





## □ eSATA / SATA / IDE Adaptors

### USB3.0 TO SATA/PATA ADAPTOR

One adaptor suits all!  
Supports USB 2.0 & 3.0  
Connects and powers HDD  
2.5"/3.5" IDE or SATA-II  
Includes 12V power pack

Code  
USB238



### USB 3.0 TO SATA SOCKET

#### 3Gbps USB3.0 TO SATA or eSATA

Backward compatible to USB2 (400Mbps).  
USB to eSATA or SATA Socket.

Type	Code
eSATA	USB156
SATA	USB156A

HDD Requires power



### USB 2.0 TO IDE CABLE

USB 2.0 compliance  
Supports 3.5" and 2.5" hard disk  
Supports ATA/ATAPI CD-ROM  
Connect your disks to your PC  
through the USB port for backup  
Low power demand allows  
device to be bus powered from  
USB connector



Code  
USB237

## □ Networking

### USB TO ETHERNET

#### Level1 100Mb

Code  
USB-0301



#### Level1 GIGABIT

Code  
USB-0401



### GIGABIT USB HUB & ETHERNET

Level1 1000Mbps  
4 Port USB 3.0 Hub

Code  
USB-0502



### USB HUB & ETHERNET

Prolink 100Mbps  
4 Port USB 2.0 Hub

Code  
MP300



NOTE: STYLES MAY CHANGE DEPENDING ON STOCK

## □ Parallel / Serial / MIDI To USB

### USB PRINTER CONVERTER CABLE

#### CENTRONICS 36P

USB-A Centronics36 Male  
Modern windows™ solution for  
standard parallel type printer  
connections using Centronics.  
1.2Mb/s, USB-1.0 ECP mode.

Length	Code
1.2M	USB36C



### USB PRINTER CONVERTER CABLE

#### D25 PARALLEL

USB-A D25 Printer female.  
Modern windows™ solution for  
standard printer connection and  
Parallel accessories 1.2Mb/s,  
USB-1.0 ECP mode.

Length	Code
1.2M	USB25D



### USB SERIAL CONVERTER ADAPTOR

#### D9 SERIAL

Decrease the load on host CPU. Increase  
system throughput. Eliminate IRQ  
problems. Connect any amount to one  
system. Compatible with RS232 serial.  
Serial = 230Kbps, USB = 1.5/12Mbps!  
(Speed depends on serial device).

Code  
USB233



### RS232 SERIAL TO TTL CONVERTER

#### D9F PIN SOCKET

Voltage: 3.3V or 5V  
Great for microcontroller development, etc.  
Data transmitting (TX) and receiving (RX)  
with indicator LEDs. MAX3232 Chip Low  
power True RS-232 Transceiver. Compact  
45x32x15mm. Includes 4 jumper leads.

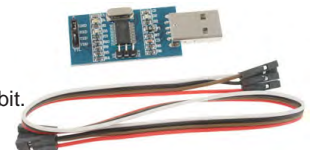
Code  
CA110



### USB A MALE TO TTL CONVERTER

Voltage: 3.3V or 5V  
PL2303HX Chip  
LED data TX/RX indicator  
4 Pins: VDD, TxD, Rx, D, GND  
Size 55x22x11mm  
No drivers required windows® 32/64 bit.

Code  
CA111



### USB SERIAL CONVERTER SPLITTER

#### DUAL D9 SERIAL

Supports RS232 Serial DB9 with over  
1Mbps data rate Supports remote  
wake-up Two individual serial ports  
WIN® & MAC®

Code  
USB143



### USB SERIAL BOX

#### D9 SERIAL

ATEN metal 125x80x25mm  
115.2Kbps Serial Signal  
RS232 Output

#### 2 PORT D9

Code  
USB234

#### 4 PORT D9

Code  
USB235







# Data & Computer

## □ Data Storage Hardware

### □ CD / DVD / Floppy Drives

#### FLOPPY DRIVE 1.44M

Internal mount 3.5"  
FDD. Black Fascia.

Code  
FDD36



#### FLOPPY DRIVE 1.44M EXTERNAL

##### USB DRIVE PORTABLE

External compact silver  
1.44M Floppy to USB 1.1  
Win, Linux, OS 8.6+ Hot  
swappable. Bus powered.  
Bootable floppy depends  
on computers BIOS

Code  
USB137



FLOPPY DISK  
NOT INCLUDED

### EXTERNAL CD/DVD

#### SUPER SLIM

USB2.0 Powered  
by separate lead for  
connection to USB port or  
extra power-pack.

Description	Code
CD Player	USB213
DVD Player	USB214
DVD-RW Burner	USB215



USB215

DISK NOT  
INCLUDED



USB216

Styles may vary.

### DVD±R/RW BURNER

#### SUPER-MULTI OEM M-DISK COMPATIBLE

Double layer DVD Burner  
LG OEM No Packaging  
40x ±R/WR 24x DVD-RAM  
SATA

Code  
DVD961BK



DISK NOT  
INCLUDED

\*Model/Brand/Price may change  
depending on availability

### BLU-RAY BURNER

#### 10X BD-R/RE/MV/ROM

SATA Interface  
Max 12X BD-R Write Speed  
M-Disc Compatible  
LightScribe™ Direct Disc Labelling  
LG\* Retail pack w/ software.  
LG Easy Burning Tool  
Power2Go, PowerDVD

Code  
DVD962



Model may change or upgrade

### □ eSATA / SATA / IDE Adaptors

#### EXTERNAL IDE/SATA TO USB2 & USB3.0

One adaptor suits all!  
Supports USB 2.0 & 3.0  
Connects and powers HDD  
2.5"/3.5" IDE or SATA-II  
Includes 12V power pack

Code  
USB238



2.5" IDE

USB2/3

3.5" IDE

SATA-II

#### USB 3.0 TO SATA SOCKET

##### 3Gbps USB3.0 TO SATA or eSATA

Backward compatible to USB2 (400Mbps).  
USB to eSATA or SATA Socket.

Type	Code
eSATA	USB156
SATA	USB156A

HDD Requires power



SATA

eSATA

#### USB 2.0 TO IDE CABLE

USB 2.0 compliance  
Supports 3.5" and 2.5" hard disk  
Supports ATA/ATAPI CD-ROM  
Connect your disks to your PC  
through the USB port for backup  
Low power demand allows device to  
be bus powered from USB connector

Code  
USB237



#### 3½" & 2½" HDD DOCKING STATION SATA

##### USB 3.0 & USB 2.0

Hot-Swappable HDD exchange.  
USB 3.0 for up to 5Gbps  
Includes USB3 Lead  
136x83x74mm + PowerPack  
Requires SATA Hard Disk

Code  
ECU362



### REMOVABLE HARD DISK RACK SATA

#### DOOR RELEASE WITH SECURITY KEY

SATA In/Out 3½" Drives  
Lever Eject Mechanism.  
Key lock security  
Modern server style

Colour	Code
BLACK	HDR112







## External Cases

### 2 1/2" EXTERNAL IDE - USB 2.0

#### SUPER-SLIM AU CASE IDE

Suitable for the small laptop 2.5" drives. 480Mbps USB 2.0 Quality. Aluminium Hot swappable PnP USB Powered (5V) 120x75x14mm

Code  
ECU254



### 5 1/4" EXTERNAL SATA USB 2.0

#### OPEN FRONT BAY

Suitable for 5 1/4" HDD, CD/RW & DVD/RW Drives 480Mbps to data transfer Power supply included Rear cooling fan Hot swappable USB 2.0 160x240x45mm

Code  
ECU515



### 2 1/2" EXTERNAL SATA - USB 2.0

#### SUPER-SLIM AU CASE SATA

Suitable for the small laptop 2.5" drives. 480Mbps USB 2.0 Quality. Aluminium Hot swappable PnP USB Powered (5V) 120x75x14mm

Code  
ECU255



### 3 1/2" EXTERNAL STORAGE USB 3.0

#### 3.5" HDD ENCLOSURE

Supports USB Super-Speed of up to 5Gbps transfer rate USB 3.0 standard. Constructed from quality aluminium nickel plated for superior protection & heat dissipation. WindowsXP®, Vista, 7®. 198x125x33mm +Power supply. REQUIRES SATA DISK

Code  
ECU360



### 2 1/2" EXTERNAL STORAGE USB 3.0

Supports USB Super-Speed of up to 4.8Gbps transfer rate of USB 3.0 standard. Powered from USB port Compact case Includes cable & pouch Supports 2.5" HDD Windows7® & WindowsXP® 120x77x17mm.

#### REQUIRES SATA DISK

Code  
ECU256



### 3 1/2" EXTERNAL SATA - USB3

#### 3Gbps SATA USB 3

SATA 3.5" HD drive required Up to 1.5 Terabyte storage Silent operation no-fan Meshed case extracts heat. Super-speed USB3 Aluminium Case 208x133x37mm

Code  
ECU357



### USB3.0 TO mSATA SSD HARD DISK CASE

#### REQUIRES mSATA TYPE SSD

Turn a mSATA SSD into a high speed portable external HDD using the LS-721M enclosure. This enclosure includes a case, USB3.0 cable and tools to install your SSD into the case. Easy to install.

Code  
ECU257



### USB3.0 TO NGFF SSD HARD DISK CASE

#### REQUIRES NGFF OR M.2 TYPE SSD

Turn a NGFF SSD into a high speed portable external HDD using the ECU258 enclosure. This enclosure includes a case, USB3.0 cable and tools to install your SSD into the case. Easy to install.

Code  
ECU258







## Media Players

### BLUEEYE HD MEDIA PLAYER V9T3

#### 1080p HD PLAYBACK AND RECORD

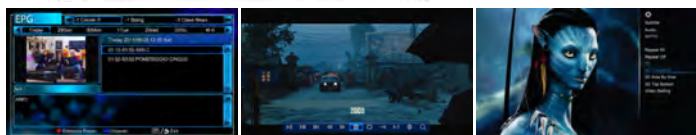
Full HD 1080p Media player with dual digital TV tuners. This modern media device offers an easy way to watch and record TV programs. You can also use it to playback your stored media files and output High Definition 1080p videos to your monitor or HDTV through HDMI, Component or Composite. Dual tuners give you the opportunity to watch and record different channels simultaneously. The media player supports 3D movies, 4K and a wide range of media file formats which can be stored on either an optional internal 3.5" SATA hard drive (up to 4TB) or external USB hard disk or flash devices. Inbuilt WiFi and ethernet gives advanced network functions that allow you to browse the content on your PC, NAS or Internet and play it on your big screen TV.

The V9T3 features a new blue LED display screen with functional readout for immediate indication of status, channels, time lapse, etc. Includes remote control.



Code  
V9T3

**BlueEye**



### ANDROID 5.1 SMART-TV MEDIA PLAYER

#### WITH AIR-MOUSE KEYBOARD

Transform your TV or monitor into a smart Android 5.1 device with the LASER 4K Smart Media Player. A quad core S812 with DDR3 1Gb RAM, 8Gb of storage and support for 4K Ultra-HD (60fps) ensures clean video playback. Android OS allows for unlimited expansion and USB, HDMI, network LAN, DLNA, Wi-Fi and Bluetooth gives you limitless connectivity options. Turn any TV into a smart device with this multi-purpose entertainment solution that brings APPs, movies, music and more together in one. Pre-loaded with Netflix, Kodi, FreeTV apps, Web Browser and Google Play Store, etc. Wireless Air-Mouse remote control with popular keys on one side and a keyboard on the flip side. Compact 110x90x25mm

Code  
MMCP20



\*Technology will update. Specifications may change. Check online for latest.

### NT-D6 BLUE-EYE MEDIA SMART TV ANDROID BOX

Smart-TV Android 4.4 WiFi 8Gb. Handy clip-stand allows it to perch on top of the TV. Designed in compact form factor (80x50x20mm) with built-in Quad Core Processor. Empower your TV with the latest HTML 5 web browser, Adobe Flash, Chrome, Java. Built-in with 802.11b/g/n Wi-Fi, high speed USB ports and Micro SDHC card reader to expand up to 32GB of storage. Support popular Apps through Google Play Store.

Code  
NT-D6







## □ Data Storage Memory

### □ Solid State Disk

#### SOLID STATE DRIVES SANDISK SSD-PLUS

**BRAND SUPPLIED CAN NOT BE GUARANTEED THE SAME - PLEASE ENQUIRE AT TIME OF ORDERING TO CONFIRM**

\*SanDisk, a pioneer in solid state storage technologies and the brand pros trust, delivers improved speed and performance with the SanDisk SSD Plus. With sequential read speeds of up to 535MB/s\*\*, this solid state drive performs up to 20X faster than a typical hard disk drive. You'll appreciate faster startups, shutdowns, data transfers, and application response times than with a hard disk drive. The SanDisk SSD Plus also offers quiet, reliable performance, and dash board status monitoring for your favorite media applications. Brand and pricing depends on availability at time of purchasing. \*Please enquire to confirm current availability, brand and pricing.

##### Specifications

Form Factor	2.5"
Interface Type	SATA-III
Read Rate	535MB/s
Write Rate	445MB/s
Size	69x100x7mm

Capacity	Code
120GB	SSD104
240GB	SSD106
480GB	SSD108
960GB	SSD109



**SUPER  
SPEED DATA  
NO MOVING  
PARTS**



\*Please enquire to confirm current availability, brand and pricing.

## □ Hard Disk Drives

#### 2.5" HGST 5400RPM SATA-II

HGST (Formerly Hitachi Global Storage Tech) is now a Western Digital Co. Ideal for use as primary storage in notebooks and external enclosures, the Travelstar series delivers the right mix of capacity, performance and low power consumption in thin and light mobile applications.

Original Part No	Description	Brand	Code
Travelstar Z5K500**	500GB 8MB SATA 6Gbs	HGST	HD934
Travelstar 5K1000**	1TB 8MB SATA 6Gbs	HGST	HD935

\*\*Note!

Due to market forces, stock supplied may be HGST or Toshiba branded. Specifications are similar. Stock supplied can be verified at point of ordering.

2.5"



#### 3.5" SEAGATE BARRACUDA 7200 RPM SATA-III

SATA-III 6Gbps. 5 year warranty. The famous reliable Barracuda from Seagate. The one drive for every desktop system need, trusted performance & reliability.

Original Part No	Description	Brand	Code
ST31000524AS	1TB SATA-III 32MB 7200.11	Seagate	HD308
ST2000DM001	2TB SATA-III 64MB 7200.14	Seagate	HD310
ST3000DM001	3TB SATA-III 64Mb 7200.14	Seagate	HD312
ST4000DM000	4TB SATA-III 64Mb HDD.15	Seagate	HD313

Drive stipulated will be supplied unless stock is upgraded to new models.

3.5"



#### 3.5" WESTERN DIGITAL RED SATA 6 Gb/s

Industry-leading WD Red drive. Built for optimum NAS and RAID compatibility. 24/7 reliability. Cooler operations. High dependability. Business NAS or desktop.

Original Part No	Description	Brand	Code
WD10EFRX	1TB SATA 6Gbs 64MB Cache	Western Digital	HD325
WD20EFRX	2TB SATA 6Gbs 64MB Cache	Western Digital	HD326
WD30EFRX	3TB SATA 6Gbs 64MB Cache	Western Digital	HD327
WD40EFRX	4TB SATA 6Gbs 64MB Cache	Western Digital	HD328
WD60EFRX	6TB SATA 6Gbs 64MB Cache	Western Digital	HD329

Drive stipulated will be supplied unless stock is upgraded to new models.

3.5"



#### 3.5" WESTERN DIGITAL PURPLE SURVEILLANCE HARD DRIVES

##### DESIGNED TO SUIT 24/7 SURVEILLANCE SECURITY SYSTEMS

WD Purple Surveillance Storage is built for 24/7, always-on, high-definition surveillance security systems. AllFrame technology® works with ATA streaming to reduce frame loss with critical surveillance footage.

OEM	Description	Brand	Code
WD10PURX	1TB SATA 6Gbs 64MB Cache Surveillance	Western Digital	HD350
WD20PURX	2TB SATA 6Gbs 64MB Cache Surveillance	Western Digital	HD351
WD30PURX	3TB SATA 6Gbs 64MB Cache Surveillance	Western Digital	HD352
WD40PURX	4TB SATA 6Gbs 64MB Cache Surveillance	Western Digital	HD354
WD60PURX	6TB SATA 6Gbs 64MB Cache Surveillance	Western Digital	HD355
WD80PURX	8TB SATA 6Gbs 128MB Cache Surveillance	Western Digital	HD356
WD100PURZ	10TB SATA 6Gbs 256MB Cache Surveillance	Western Digital	HD357

3.5"







## Memory Cards

### Micro-SD

Trans-Flash 11x15mm

Size	Code
2Gb*	TFC2048



### Micro-SD ULTRA

High-Speed 11x15mm  
30MB/s Class 10

Size	Code
16Gb	TFC16GBU
32Gb	TFC32GBU
64Gb	TFC64GBU
128Gb	TFC128GBU



### Micro-SD EXTREME

Size	Code
16Gb	TFC16GBE
32Gb	TFC32GBE
64Gb	TFC64GBE



### Micro-SD EXTREME PRO

95MB/s Class 10 UHS-I

Size	Code
16Gb	TFC16GBE
32Gb	TFC32GBE
64Gb	TFC64GBE



### SD SANDISK

SDHC: Class 4

Size	Code
16Gb	SD16GB
32Gb	SD32GB



SD: NOT SanDisk Branded

Size	Code
2Gb*	SD2000

### SD ULTRA

30Mb/s Class 10

Size	Code
16Gb	USD16GB
32Gb	USD32GB
64Gb	SD64GBU
128Gb	SD128GU



### SD EXTREME

90Mb/s UHS-I SDHC/SDXC

Size	Code
16Gb	SD16GBEX
32Gb	SD32GBEX
64Gb	SD64GBEX
128Gb	SD128GBEX



### SD EXTREME PRO

95Mb/s UHS-I SDHC/SDXC

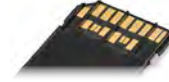
Size	Code
16Gb	SD16PRO
32Gb	SD32PRO
64Gb	SD64PRO
128Gb	SD128PRO



### SD EXTREME PRO-II

280Mbps Class3 UHS-II

Size	Code
16Gb	SD16PRO-II
32Gb	SD32PRO-II
64Gb	SD64PRO-II



### CF ULTRA

50Mbps HIGH SPEED

Size	Code
8Gb	CF8192U
16Gb	CF16GBU



### CF EXTREME

60Mbps

Size	Code
16Gb	CF16GEX
32Gb	CF32GEX
64Gb	CF64GEX
128Gb	CF128GEX



### CF EXTREME PRO

90Mbps PROFESSIONAL

100Mbps for the 128Gb version.

Size	Code
16Gb	CF16PRO
32Gb	CF32PRO
64Gb	CF64PRO
128Gb	CF128PRO



### SONY MEMORY STICK MICRO M2

Size	Code
8Gb	M2M8192



### SONY MEMORY STICK PRO-Duo

Size	Code
4Gb	DUO4096
8Gb	DUO8192
16Gb	DUO16GB



### SONY SD ADAPTOR

MICRO-SD TO PRO-DUO

Use Micro-SD Memory in Sony PRO-Duo devices

Type	Code
Single	SD154



### DUAL-SLOT ADAPTOR

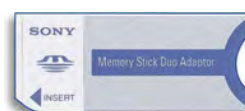
Allows one or two Micro-SD cards to be read in a single Pro-Duo reader. Doubling the memory to a maximum of 16Gb. Memory not included.

Type	Code
Dual	MS206



### PRO-DUO TO DUO

Description	Code
PRO-DUO to DUO	MS200



### XD PICTURE CARD

Olympus®

Size	Code
2GB	XD2048



### XD ADAPTOR FOR MicroSD

Use Micro-SD memory in Olympus®

Code
SD153



### SD SIZE ADAPTORS

CONVERT TO "SD"

Type	Code
Mini-SD	SD150
Micro-SD	SD151

### Micro-SD To Mini-SD

Code
SD152



### USB A FEMALE TO MICRO USB MALE ADAPTOR

This adaptor has a USB 2.0 female A interface and a micro USB male interface and supports high speed data rate up to 480Mbps.

Code
CA1008







## USB Flash Drives

### USB 2.0 FLASH DRIVE - TITAN

#### SUPPLIED IN BULK

Size	Code
4GB	FDT4GB
8GB	FDT8GB
16GB	FDT16GB
32GB	FDT32GB
64GB	FDT64GB



### TITAN KEY STYLE USB 2.0 FLASH DRIVE

Size	Code
2GB	FDK2GB
4GB	FDK4GB
8GB	FDK8GB
16GB	FDK16GB
32GB	FDK32GB



### USB FLASH DRIVE CRUZER ORBIT

Size	Code
8GB	FBR8GB
32GB	FBR32GB



### USB FLASH DRIVE SANDISK BLADE

#### COMPACT STYLE

Size	Code
16Gb	FDB16GB
32Gb	FDB32GB
64Gb	FDB64GB



### SANDISK ULTRA DUAL USB & MICRO-USB DRIVE

#### DUAL PLUG MEMORY FOR MOBILES AND PC

Micro-USB connector on one side and USB2.0 connector on the other. Allows you to transfer files from a smartphone or tablet to your computer or vice-versa! New Dual Connector Design, no need for adaptors or leads. SanDisk Memory Zone app (Google play store) enables you to organize and back up files so your phone or tablet can be easily synced. Compact 37x20x11mm. Retail packaging.

Capacity	Code
16GB	FDD16GB
32GB	FDD32GB
64GB	FDD64GB
128GB	FDD128GB



Phone Tablet Computer Not Included

### KEYRING 8GB MEMORY & POWER BANK

Featuring emergency mobile charger for micro USB devices and 8GB memory storage.  
Battery Cell: Li-polymer; Battery Capacity: 800 mAh; Input: 5V 500mA Output: 5V 500mA Self-charging Time: 1.5hours

Connector	Code
Micro USB	APKRMU



### USB 3.0 FLASH DRIVE HIGH SPEED - TITAN

Size	Code
8GB	FDH8GB
16GB	FDH16GB
32GB	FDH32GB
64GB	FDH64GB



### USB 3.0 SANDISK ULTRA

#### USB 3.0 - 80MB/s

Size	Code
16Gb	FDU16GB
32Gb	FDU32GB
64Gb	FDU64GB
128GB	FDU128GB
256GB	FDU256GB



### USB 3.0 SANDISK ULTRA FIT

#### 130MB/s SANDISK

Size	Code
16Gb	FDUS16GB
32Gb	FDUS32GB
64Gb	FDUS64GB
128Gb	FDUS128GB



### USB 3.0 SANDISK EXTREME

#### USB 3.0 - 190Mb/s

Size	Code
32Gb	FDEX32GB
64Gb	FDEX64GB
128GB	FDEX128GB



### USB TYPE-C SANDISK

#### USB TYPE-C / USB 3.1 @ 150MB/s

Size	Code
16GB	FDC16GB
32GB	FDC32GB
64GB	FDC64GB
128GB	FDC128GB



### SANDISK ULTRA DUAL DRIVE USB TYPE-C

#### FLIPS USB-3.0 TO USB-3.1

The Sandisk Ultra dual USB drive up to 150MB/s.

Size	Code
16GB	FDC16GBU
32GB	FDC32GBU
64GB	FDC64GBU
128GB	FDC128GBU



### THUNDERDISK™ - USB3.0 & USB3.1 SSD 256GB

#### NEW USB-C - FASTEST MEMORY AVAILABLE

m-SATA-III SSD M.2 (NGFF) 256Gb  
USB3.1 Gen2 socket. 72x36x8.8mm  
Includes USB-A 3.0 adaptor lead.  
Supports Windows® WTG, UASP.  
Win/Mac/android compatible.

Capacity	Size	Code
256GB	72x36x9mm	USB3257







## □ DVD-R

### PHILIPS INKJET PRINTABLE DVD-R [MINUS]

4.7GB Record  
Capacity 1-16x Speed

Pack of	Code
One	DVD511



### TDK DVD-R [MINUS] 10 SPINDLE

4.7GB Record Capacity  
16x-1x Write Speed  
10 pieces supplied.

Pack of	Code
x10	DVD503



### IMATION DVD-R [MINUS] 25 SPINDLE

#### INKJET PRINTABLE BLANK WHITE

4.7GB Record Capacity  
16x-1x Write Speed  
25 Pieces supplied on a spindle.

Pack of	Code
x25	DVD510



### PHILIPS DVD-R [MINUS] 50 SPINDLE

#### PRINTABLE SURFACE

4.7GB Record Capacity  
16x-1x Write Speed  
Printable white Spindle bulk pack.

Pack of	Code
x50	DVD700



### VERBATIM DVD-R [MINUS] 10 SPINDLE

#### AZO - LONG LIFE FORMULA\*

Write-once storage capacity  
Superior recording quality  
1X to 16X DVD-R writers

Pack of	Code
x50	DVD516



## □ DVD-RW

### PHILIPS DVD-RW [MINUS] REWRITEABLE

120min VIDEO 4.7Gb DATA  
Jewel cased single.  
Brand may change.

Pack of	Code
One	DVD101



## □ DVD+R

### TDK DVD+R [PLUS] 10/50 SPINDLE

4.7GB Record Capacity 16x-1x  
Write Speed 10/50 Piece spindle

Pack of	Code
x10	DVD703
x50	DVD706



### PHILIPS DVD+R [PLUS] 50 SPINDLE

General purpose 4.7Gb DVD+R  
White Label Printable  
Bulk Spindle

Pack of	Code
x50	DVD500



## □ DVD+RW

### TDK DVD+RW [PLUS] 5 PACK

#### DVD+RW REWRITEABLE

4.7GB Record Capacity 4x-1x  
Write Speed Jewel Case storage  
Shrink wrapped into Five pieces.  
Save!

Pack of	Code
x5	DVD705



## □ DVD Dual Layer

### VERBATIM DVD+R DUAL-LAYER SINGLE

#### DVD+R [PLUS] DUAL-LAYER

8.5GB Record Capacity 6x-2x Write  
Speed Jewel Case storage Double  
the capacity Verbatim dependability

Pack of	Code
One	DVD400



## □ DVD Mini

### MINI 8cm DVD [MINUS]

#### MINI DVD-RW

8cm 1.4GB DVD disc  
As used in camcorders

Pack of	Code
One	DVD103



## □ Blu-Ray

### BLU-RAY [R]

4x Speed Write-Once  
Single layer 25Gb

Pack of	Code
One	DVD112

Brand may change.







## CD / DVD Drives

### DVD±R/RW BURNER

#### SUPER-MULTI OEM M-DISK COMPATIBLE

Double layer DVD Burner  
LG OEM No Packaging  
40x ±R/WR 24x DVD-RAM SATA

Code  
DVD961BK



DISK NOT INCLUDED

### CD & DVD EXTERNAL

#### USB PLAYERS & BURNERS

Windows® plug and play.

Description	Code
CD Player	USB213
DVD Player	USB214
DVD-RW Burner	USB215



Requires Powerpack

Description	Code
AC Travel Charger With USB Female Plug-Black	USB904

### BLU-RAY BURNER

#### 12X BD-R/RE/MV/ROM - LIGHTSCRIBE - M-DISK COMPATIBLE

SATA Interface 5¼" Internal Drive  
Max 12X BD-R Write Speed  
M-Disc Compatible  
LightScribe™ Direct Disc Labelling  
LG\* Retail pack w/ software.  
LG Easy Burning Tool  
Power2Go, PowerDVD

BD-R (SL/DL)	12x
BD-RE (SL/DL)	8x/6x
BD-RE	2x
DVD+R(SL/DL)	16x/8x
DVD+RW/-RW	8x/6x
DVD-RAM	12x
BD-ROM/-R(SL/DL)	10x/8x
DVD-ROM	16x
DVD+R(SL/DL) Read	16x/12x
DVD+RW Read	12x



Disk Not Included



Code  
DVD962

Includes Windows® Drivers and bonus burn software.

\*Current stock may change depending on availability

## Mini Disc

### RECORDABLE MINI DISC

For Recording & Playback  
With Hard Cover Pouch

Time	Code
80 min	MD80

Brand supplied may change depending on available stock



## CD-R

### CD-R TDK INKJET PRINTABLE WHITE

CD-R 80 min 700mb  
White Inkjet printable  
disk plus jewel case  
TDK CD-R80PW

Pack of	Code
One	CDR80PW



### CD-R PHILIPS 10 SPINDLE PACK

Blank white printable  
Common CD-R 10 Pack  
700Mb Record Capacity  
48x-1x Write Speed

Pack of	Code
x10	CDR300



### CD-R TDK GOLD 50 BULK SPINDLE

700Mb 80min  
700Mb Capacity 80 Min Audio  
52x-1x Write Speed Archive grade  
50 SPINDLE PACK

Pack of	Code
x50	CDR500



### 50 SPINDLE PACK PRINTABLE

#### LASERCO BULK SPINDLE PACK

Supplied on spindle 700Mb  
Data Recording 80 Min Audio  
White printable

Pack of	Code
x50	CDR501



## CD-RW

### CD-RW VERBATIM

Rewriteable CD. 700Mb Record  
Capacity 4x-2x Write Speed

Pack of	Code
One	CDRW102



## CD-R Music

### CD-R MUSIC STORAGE MEDIA 80 MIN

700MB/80 minute storage capacity  
Compatible with CD drives up to 40X speed  
High fidelity music recording – ideal for  
backing-up your music collection  
Designed for use in recorders bearing logo  
"Compact Disc Digital Audio Recordable"

Pack of	Code
One	CDR902







## CD/DVD Cases

### CD & DVD STORAGE SOLUTIONS

#### QUANTITY DISCOUNTS AVAILABLE

Large orders incur a discount.  
Please enquire for carton qty.

If stock becomes unavailable  
then Clear for Black items  
may be supplied in lieu of.  
(or vice-versa)

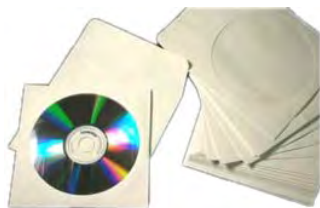


#### PAPER SLEEVE

##### WINDOWED ENVELOPE

White paper sleeve with  
plastic window Order one to  
receive a bag of 100 pieces

Pack of	Code
x100	CDSPP100



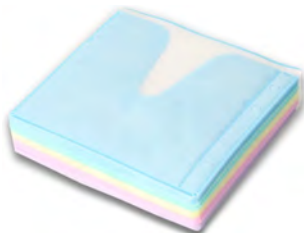
CD/DVDs Not Included.

#### COLOURED SOFT CD/DVD SLEEVES X50

##### DOUBLE SIDED

Transparent plastic  
double-sided sleeves.  
Non-scratch cotton inner.  
With binder tab spine.  
Buy 1 to receive 50

Pack of	Code
x50	CDS50DS

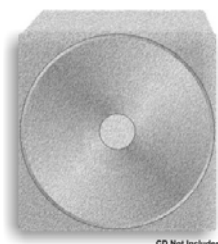


#### PVC SLEEVE

##### CLEAR PLASTIC

Durable clear envelope No-Tear  
PVC plastic With closing flap  
Holds single CD/DVD

Pack of	Code
x100	CDS100



CD Not Included

CD/DVDs Not Included.

#### VINYL RECORDS

##### SUPPLIED 100 PIECES

Standard LP Record sleeves and album covers

Type	Size	Micron	Code
Jacket	320x325mm	65	LPS-005
Square	305x310mm	50	LPS-003
Round	305x305mm	40	LPS-002



### STANDARD JEWEL CASE

#### SINGLE REPLACEMENT

Hard plastic CD Cover Music CD  
Replacement Clear door  
Empty. Sold in singles.

Colour	Code
Clear	JWL1C
Black	JWL1B



### DOUBLE JEWEL CASE

#### DOUBLE REPLACEMENT

Holds Two CDs & Book Hard plastic  
CD Cover Music CD Replacement

Colour	Code
Clear	JWL2C
Black	JWL2B



### SLIM JEWEL CASE

#### SINGLE HALF-HEIGHT

Hard plastic CD Cover Half  
standard thickness Clear door

Colour	Code
Clear	JWLS1C
Black	JWLS1B

CD/DVDs Not Included.

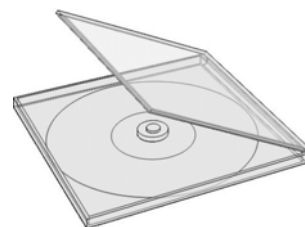


### SUPER-TOUGH CASE

#### STANDARD CD SIZE

Made from very durable semi-clear  
polypropylene Virtually indestructible  
Standard size. w/ sleeve. Each.

Code
MK31C



### CLAM-SHELL CASE

#### COMPACT SLIM SIZE

Made from very durable semi-clear  
polypropylene Disk label is visible  
Shell shaped compact. Each.

Code
CDS1CS







## DVD/BluRay Cases

### DVD CASE STANDARD

#### SINGLE Grade "A"

Standard plastic DVD case Holds one DVD & one Book Clear outer cover sleeve  
**Super Clear**

Code  
DVD-CC1



CD/DVDs Not Included.

### DVD CASE STANDARD BLACK

#### SINGLE Grade "A"

Standard plastic DVD case Holds one DVD & one Book Clear outer cover sleeve  
**Black**

Code  
DVD-CB1



CD/DVDs Not Included

### DVD CASE SUPER-SLIM

#### SINGLE HALF HEIGHT

Slim plastic case 7mm Holds one DVD & Book Clear outer sleeve

Colour	Code
Clear	DVD-SC1
Black	DVD-SB1



### DVD CASE DUAL

#### DOUBLE

Holds DVDs diametrically on the Inside covers Clear outer sleeve

Colour	Code
Clear	DVD-CC2
Black	DVD-CB2



CD/DVDs Not Included.

### BLU-RAY DISC CASE SMALL

Blue clear plastic 170x135x13mm

Type	Code
Single	DVD-BL1



### BLU-RAY DISC CASE DOUBLE

Holds two Blu-Ray discs  
Plastic clear blue

Type	Code
Double	DVD-BL2



## CD/DVD Wallets

### STORAGE WALLET 12+

CD/DVD Carry case with 6x Double sided sleeves with an extra compartment for media player.

Code  
CDP12B



Player and Disk Not Included

### STORAGE WALLET 96

#### CD & DVD DISK HOLDER

Tough no-tear vinyl Soft sleeves CD/DVD

#### 96x

Code  
CDW96B



Style/Colour may change depending on stock. CD/DVDs Not Included

### STORAGE WALLET 240

#### CD & DVD ALBUM

Sleeve Carry case  
300x300x100mm Black  
Tough no-tear padded material with zippers

Code  
CDW240



### CD/DVD HARD CASE

#### 24 PIECES

Clam-Shell with zipper  
Rigid protective case  
Holds 24 CD/DVD disks  
Dark gun-metal grey  
Individual sleeves

Code  
CDH24GG



Style/Colour may change depending on stock. CD/DVDs Not Included





## □ Brackets & Mounting

## □ Monitor Arms

### LCD MONITOR ARM

**15Kg. Max. 13"-23"**

Double arm for large range of motion. Heavy duty built cast aluminium. Desk edge clamp height adjustable. VESA Mount 75/100mm.

Holds	Code
10Kg	CMS1003



### DUAL LCD MOUNTING BRACKET

#### DUAL DESK RACKET FOR LCD MONITORS

Heavy duty built cast aluminium. Desk edge clamp height adjustable. Suitable for the size 13" to 23". Full arm extension up to 440mm. 60° up and down tilt, 360° swivel, 360° landscape to portrait rotate. VESA mount 75x75mm, 100x100mm.

Holds	Code
15Kg	CMS1004



### MULTIPLE SCREEN MOUNTING BRACKET

#### THREE MONITOR ARM

Aluminium alloy finish. Holds 3 LCD Monitors/TVs up to 24" (Maximum monitor width 57cm). 360° rotation at 2 points. Swivel left or right up to 180°. Tilt 45 to 60° up or downwards. VESA mounting 75x75x100x100mm. Clamp to the Desk Edge.

Holds	Code
30Kg(10x3)	CMS1005

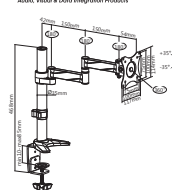


### MONITOR BRACKET

Elegant aluminium LCD VESA desk mount for 13"-27" monitors up to 8kg. Full motion structure allows maximum flexibility — extends, tilt and swivel your monitor up to 90° left and right for easy viewing. You can also adjust the monitor vertically to a desired position. An in-arm cable clip routes cables for a clean appearance.

Colour	Chrome
Size	500mm high
VESA	100
Code	BKT2620

**prolink**  
Audio, Visual & Data Integration Products



### MULTIPLE LCD MONITOR STAND

Fits most 13"-24" flat screen monitors with VESA mounts. -15° to +15° tilt, 180° swivel, 360° landscape to portrait rotate. VESA compliant: 75x75, 100x100. Supports screens up to 8kg each.

#### SINGLE STAND

VESA	100x100
Code	CMS1006



#### DUAL STAND

VESA	100x100 (x2)
Code	CMS1007



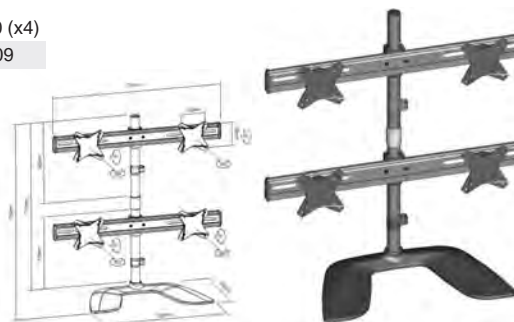
#### 3 MONITORS

VESA	100x100 (x3)
Code	CMS1008



#### 4 MONITORS

VESA	100x100 (x4)
Code	CMS1009







## Digital Cameras

### Accessories

#### PORTABLE TRIPOD STAND

##### HEAVY DUTY DIGITAL CAMERA TRI-POD

Quick release plate, 90 degree tilt platform.  
3-Way axis. 4-Section aluminium legs locking.  
Gear operated centre column height adjust.  
450mm compact Folded height.  
345mm to 1258mm operating height.

Code  
STN102



#### MOBILE PHONE/CAMERA HOLDER STAND

##### CLAMPS CAMERAS & PHONES WITHOUT 1/4" SCREW BASE

Suitable for compact sized camera &  
bonus universal clamp for mobile phone  
Clamp expands up/down and left/right.  
Accepts up to 18mm in depth.  
Tripod legs extend up  
to 200mm stand height.

Code  
STN101



#### HOT SHOE SPIRIT LEVEL COVER PROTECTOR

It protects the hot shoe from  
scratching, keep it clean, and avoid  
moisture. At the same time, bubble  
spirit level will help the photographer  
achieve a fine degree of accuracy in  
capturing image content.

Code  
LVL100



Note: Suits standard accessories Hot-Shoes. Does not  
suit the unique Sony / Minolta Cameras.

#### 2 AXIS HOT SHOE BUBBLE SPIRIT LEVEL

##### PITCH & YAW CAMERA LEVEL

Fluid based spirit level  
vial for camera and tripod.  
Easily identify whether your  
camera is set up level.

Code  
LVL101



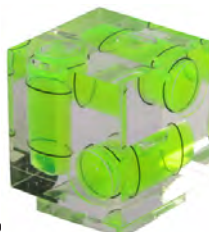
Note: Suits standard accessories Hot-Shoes. Does not  
suit the unique Sony / Minolta Cameras.

#### TRIPLE AXIS HOT SHOE SPIRIT LEVEL 3D

##### SUITS PORTRAIT / LANDSCAPE CAMERA TILTING

The triple axis will aid both  
positioning of horizontal and  
vertical axis simultaneously.  
Great for panoramic photography.

Code  
LVL102



Note: Suits standard accessories Hot-Shoes. Does not  
suit the unique Sony / Minolta Cameras.

#### 120 LED VIDEO LIGHT KIT

Can be installed on the camera hot shoe for photography and  
video. Can also be used for general-purpose cordless illumination.  
Maximum range 5M. 60° beam angle. ON/OFF & brightness control.  
1200 lux illumination with 6000k colour temperature (3000K Lens).  
Size: 128x118x32mm. Kit includes a 7.2V DC/2000mAh Li-ion  
battery (NP-F550), Battery Charger, 3000K colour temperature lens.

##### LED LIGHT WITH BATTERY NO CHARGER

Code  
LED120

##### LED LIGHT KIT WITH BATTERY AND CHARGER

Code  
LED120KIT



##### REPLACEMENT BATTERY

Capacity 2000mAh  
Type Lilon  
Volts 7.2V  
Code RBV550



##### REPLACEMENT CHARGER KIT

Code  
CHR120



#### LCD SCREEN GUARD PROTECTOR

##### ANTI-REFLECTIVE ULTRA CLEAR

Highly transparent material. Capacitive touch screen compatible.  
Protection against scratching, scraping & abrasion. Removable  
without leaving residuary marks. Supplied with preparation  
cleaning cloth.

Size	Code
2.0"	SCG104
2.1"	SCG105
2.2"	SCG106
2.3"	SCG107
2.4"	SCG108
2.5"	SCG109
2.6"	SCG110
2.7"	SCG111
2.8"	SCG112
2.9"	SCG113
3.0"	SCG114
3.2"	SCG115
3.3"	SCG116
3.5"	SCG117
3.6"	SCG118
3.7"	SCG119
3.9"	SCG120
4.0"	SCG121
5.0"	SCG122



CAMERA  
NOT INCLUDED



#### CAMERA LENS CLEANING PEN

Retractable lens dust brush in a pen case.  
Other end has a cup shaped brush for  
cleaning into the edges of lenses.  
Quality accessory for the photographer.  
Suits cameras and other optical equipment.

Code  
CLN100







## □ Bags

### DIGITAL CAMERA CASE

#### WITH BELT MOUNT

Digital camera bag is made from durable and thick material to protect your camera. Adjustable strap. Size 100x80x35mm.

Code  
BAG126



### ZIPPER CAMERA CASE

#### DURABLE MATERIAL

Digital camera bag made from Light durable material to protect your camera. Belt mounting Option. Size: 105x75x20mm.

Code  
BAG140



### AVA DIGITAL CAMERA CASE

#### AVA MATERIAL

Light-weight and compact design. Waterproof and shock-resistant material. Adjustable strap. Belt mounting Option. Size: 105x75x25mm.

Code  
BAG141



### CAMERA FLIP CASE

#### DURABLE & THICK MATERIAL

The bag protects your valuable digital camera. Made from durable and thick material to protect your camera. High Quality, Easy to insert and remove. Option for belt or lanyard. Size: 97x57x23mm.

Colour	Code
Aqua	BAG142
Pink	BAG143
Copper	BAG144
Black	BAG149



### DA-SACK

#### "BUM-BAG"

Wrap around carry belt. Accessories bag for carting your phone, camera and other items. Made from tough nylon No-tear in Dark Blue. Approx. ~75x100x175mm

Code  
DASACK



ACCESSORIES  
NOT INCLUDED

### DIGITAL CAMERA BAG

#### UNIVERSAL STYLE SLR

Digital Camera Bag is made from durable and thick material to protect your camera. Adjustable strap. Belt mounting Option. Size: 140x115x105mm.

Code  
BAG145



### DURABLE DIGITAL/VIDEO CAMERA BAG

#### PROFESSIONAL STYLE

Protective & Durable, protect your camera from bumps and shocks. Adjustable shoulder strap. Belt mounting Option. Accommodates one SLR or video camera. Size 85x95x145mm.

Code  
BAG147



### PORTABLE DIGITAL CAMERA BAG

#### LIGHT AND DURABLE

Protective & Durable, protect your camera from bumps and shocks. Adjustable shoulder strap. Belt mounting Option. Accommodates one digital SLR camera and lens. Size: 200x168x112mm.

Code  
BAG146



### ZIPPER PORTABLE DIGITAL/VIDEO CAMERA BAG

#### LIGHT & DURABLE

Protective & Durable, protect your camera from bumps and shocks. Light and durable design. Adjustable shoulder strap. Belt mounting Option. Size: 240x250x145mm

Code  
BAG148







## Laptop Accessories

### Laptop Bags

#### TABLET POUCH 10"

##### NEOPRENE CUSHIONED POUCH

Inverts for colour change.  
Protective sleeve for iPad®, mini laptop and tablet up to 10" in size.  
Durable and weather resistant.  
Size: ~200x260x30mm

Max. 10"  
Code BAG125



#### NOTEBOOK MESSENGER BAG

NOTEBOOK NOT INCLUDED

Carry all your essentials in this amazing messenger bag with padded interior and front storage zipper. The shoulder strap is durable and completely adjustable and features a superior quality inner lining.

Max. 15.6"  
Code BAG133



#### NOTEBOOK CASE 17"

##### POLYESTER DELUXE REGA

From Rega® Fashion house.  
Modern functional design understated traditional style. Durable long-life no-tear. Large screen model (~17")  
Adjustable compartment. Double stitched Zippers. Outer document pocket. Comfort grip or straps.

Max. 17"  
Size 460x350x90mm  
Code BAG102



#### NOTEBOOK BACK PACK

Hard wearing nylon.  
Adjustable fasteners on each side of the backpack ensuring improved comfort. 3 front pockets.  
Internal divider for accessories, papers, etc.

Max. 15.4"  
Size 330x480x120mm  
Code BAG123



#### NOTEBOOK BACK PACK

Premium Accented Laptop Bag for Laptops up to 15.6" and accessories  
Grey - Water Resistant Inner Lining  
Padded Laptop Storage Compartment  
File/Document Organizer  
Side Mesh Pockets  
Padded, Adjustable Shoulder Straps  
Grab Handle

Max. 15.6"  
Code BAG130



#### NOTEBOOK SLEEVE 12"/15.6"

Ultra-sleek and lightweight laptop sleeve has a slim design that slips easily into briefcase or bag for added protection. It offers simplicity and carrying ease. The exterior fabric protects laptop from scuffs and dust, while the soft, non-scratch interior lining guards against scratches.

Max. 12" 15.6"  
Code BAG135 BAG134



#### NOTEBOOK MESSENGER BAG

NOTEBOOK NOT INCLUDED

Accented Messenger Bag For Laptops up to 15.6"  
Multiple Storage Options  
File/Document Organizer  
Quick Access Zippers (x3)  
Superior Quality Material  
Modern style and design  
Adjustable shoulder strap

Max. 15.6"  
Code BAG132



#### NOTEBOOK BRIEFCASE EXECUTIVE 15"

##### METAL REINFORCED FRAME

Durable long-life no-tear Woven cloth type material. Adjustable compartment Internal document sleeve and accessories pockets.  
Double stitched Zippers. Outer document pocket. Luggage handle strap. Padded sides and face.

Max. 15.4"  
Size 380x305x60mm  
Code BAG101



#### NOTEBOOK BACK PACK

Heavy Duty Backpack for Laptops up to 15.6"  
Padded Back Pocket. Mesh padded back.  
One Solution For All Your Daily Essentials  
Padded Water Resistant Interior  
Six compartments inc. front & side pockets  
Premium Pramate product Rebel-BP

Max. 15.6"  
Code BAG131



NOTEBOOK NOT INCLUDED

#### NOTEBOOK TROLLEY BAG

##### BACKPACK AND TROLLEY COMBINATION

Telescopic handle. Easy glide wheels. Carry-On compliant.  
Fits your laptop and accessories with room to spare for overnight trips. Hard wearing nylon exterior with large zippers. 2 front & 2 side pockets.  
+1M telescopic Handle. Backpack.  
Internal divider for accessories, etc.

Max. 17"  
Size 550x350x270mm  
Code BAG127







# Data & Computer

## Security Cables

### SECURITY COMBINATION LOCK

#### LAPTOP NOTEBOOK LATCH

Rotary Combination lock or Standard Security Socket Type with 2 metre steel lead, plastic covered. Terminates to a loop.

##### Code

NBL18

#### LOOP TYPE

Terminates to a loop.

##### Code

NBL21



## Screen Protector

### SCREEN PROTECTOR

LCD FOR LAPTOPS, TABLETS, TOUCH-SCREENS, etc.

Suit	Size	Type	Code
7"	153x92mm	Wide	SCGLCD2
12.1"	261x163mm	Wide	SCGLCD6
13"	293x166mm	Wide	SCGLCD7
13"	271x203mm	4:3	SCGLCD8
14"	286x215mm		SCGLCD10
14.1"	304x190mm	Wide	SCGLCD11
15"	304x229mm		SCGLCD13
15"	331x207mm	Wide	SCGLCD14
17"	363x280mm		SCGLCD15

Protects the screen from scratches and reduces screen glare.



More screen sizes available specific to mobile phones; [www.cellink.com.au](http://www.cellink.com.au)

## Carry Case Heavy Duty

### WATER RESISTANT RUGGED CASES

Keep all your valuable equipment safe from water, dust and knocks! Easy-cutting customisable foams inside. You can cut out the shape that suits your equipment and protects it from any unexpected drops or bumps. Pressure relief valve allows for gradual pressure equalization.

Water resistant IPX7 sealed case  
Impact resistant & Crushproof  
Dust proof & corrosion resistance  
Temperature Rating -20° to 80°  
Powerclaw™ latching system  
Soft grip foldable handle  
Supports padlock for extra security  
100% Stainless steel hardware  
High performance seal gasket  
Automatic pressure release valve  
Molded-in bezel system  
Integrated lid stay  
Stackable  
Meets airline carry-on regulations

Size	Code
246x175x77mm	PPC-08BK
420x327x186mm	PPC-13BK
430x380x154mm	PPC-16BK
515x415x158mm	PPC-21BK
560x355x290mm	PPTC-26BK
625x420x340mm	PPTC-28BK



## Stands & Riser

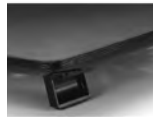
### LAPTOP STAND & COOLER DELUXE

#### METAL GRILLE STYLE & FAN

Cool metal grille style. Lifts your laptop up off the desktop for better cooling and ergonomic posture. Tilts forward. With large quiet cooling fan powered by USB. Supports 15" to 17"

##### Code

FAN935



### LAPTOP & IPAD® RISER PORTABLE

#### ADJUSTABLE TILT STAND

Improve access & ventilation  
Ergonomic typing angle  
Posture correcting  
Supports up to 15"  
Folds flat portable  
Rubber grip feet  
Tilt is 15° to 35°

##### Code

LAPR104



NOTEBOOK NOT INCLUDED

### LAPTOP COOLER

#### USB POWERED FANS x2

Increase ventilation Twin (2x) 60mm fans Low noise and reliable. Accommodates up to 15". Increases performance and life of the laptop by assisting in heat dissipation for extended life. USB Powered. Size 230x300x10mm with tilt 0°-50°

##### Code

FAN929



### LAPTOP COOLER

#### FANS X3 WITH USB HUB

USB powered Fans  
Inbuilt 4 Port USB Hub  
300x230x17mm  
Includes USB Cable

##### Code

FAN932







## Power Power Supply

### LAPTOP POWERPACK

19V 3.16A 60W 2.1mm DC Plug Reversible.

Code  
SMP3160-19R

24V 2A 50W TO 2.5mm DC Plug

Code  
SMP2500-24-25P

Requires AC Lead

Code  
ACL104-18



Requires ACL104 AC Lead

### P70 INTELLIGENT POWER ADAPTOR 70W

#### MULTI-VOLTAGE LAPTOP SOLUTION

No fuss power supply replacement solution. No voltage switch to worry about or knock! Simply select the correct plug to suit the specific type of laptop and then the power-pack automatically determines the correct voltage required and regulates constant supply for powering and charging.

Code LS-PAB70



X10

### BC10 INTELLIGENT POWER ADAPTOR 90W

#### DEDICATED LAPTOP SOLUTION

No fuss power supply replacement solution. No voltage switch to worry about or knock! Simply select the correct plug to suit your specific type of laptop then the power-pack automatically determines the correct voltage required and regulates constant supply for powering and charging.

Power Code  
90W PAB90-BC10



X10

### BC10 INTELLIGENT POWER ADAPTOR 120W

#### DEDICATED LAPTOP SOLUTION

Simply select the correct plug to suit the specific type of laptop. This power-pack automatically determines the correct voltage required and regulates constant supply for powering and charging.

Power Code  
120W PAB120AA



X10

### AC LEAD IEC C13

Colour	Length	Size	Code
Black	0.5M	0.75mm <sup>2</sup>	ACL106BK-05
Black	1.0M	0.75mm <sup>2</sup>	ACL106BK-1
Black	1.8M	0.75mm <sup>2</sup>	ACL106BK-18
Grey	1.8M	0.75mm <sup>2</sup>	ACL106GY-2
Black	3.0M	0.75mm <sup>2</sup>	ACL106BK-3
Black	3.0M	1.0mm <sup>2</sup>	ACL406BK-3
Black	5.0M	1.0mm <sup>2</sup>	ACL406BK-5
Black	10M	1.0mm <sup>2</sup>	ACL406BK-10

More lengths now available

EXTENSION C13-C14  
1.8M ACL120-18



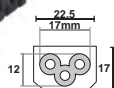
SEE  
POWER &  
LIGHTING  
SECTIONS  
ENTIRE  
RANGE

### AC LEAD CLOVER LEAF

#### CLOVER LEAF

Mains lead 1.8M 3 pin connection

Code  
ACL112



### LAPTOP POWER 12VDC CAR 36W

#### UNIVERSAL LAPTOP 1.5V-12V

Includes 6x DC Plugs Suits many Notebooks, MP3, Games, DVD, etc 1.5/3/4.5/5/6/9/12Vdc Up to 3A

Code  
SDR3000



### LAPTOP POWER 12VDC CAR 70W

#### UNIVERSAL LAPTOP 15V-24V

Includes 5x DC Plugs Suits most Notebooks, Laptops & workstations 15/16/18/19/20Vdc @3.5A 22/24Vdc @2.9A

Code  
SDR70W



### LAPTOP POWER 12VDC CAR 120W

#### UNIVERSAL LAPTOP 15V-24V

Includes 5x DC Plugs Suits most Notebooks, Laptops & workstations 15/16/18/19/20Vdc @6.0A 22/24Vdc @5.0A Output

Code  
SDR120W



### LAPTOP POWER 12VDC CAR 150W

#### UNIVERSAL LAPTOP 15V-24V

Includes 5x DC Plugs Suits most Notebooks, Laptops & workstations 15/16/18/19/20Vdc @8.0A 22/24Vdc @6.0A Output

Code  
SDR150W



### LAPTOP POWER 24VDC TRUCK 150W

#### 24Vdc TO LAPTOP 15V-24V

Includes 6x DC Plugs Suits most Notebooks, Laptops & workstations 12/15/16/18/19/20/22Vdc 8A to 5A Output.

Code  
SDR24120



### LAPTOP POWER 12VDC CAR 90W

#### INTELLIGENT MULTI-VOLTAGE

No voltage switch to worry about. Simply select the correct plug (ten supplied) and voltage is selected automatically. More details in Power Section.

Code  
LS-CR90AA



TIPS  
X10





## AC Power Strips Prolink

### POWER STRIPS - PROLINK

#### ASSEMBLED IN AUSTRALIA.

Introducing an expanded range of superior quality PDUs. ProLink PDUs are locally manufactured in Australia with 1.2mm mild steel and black-ripple powder coat for a durable and professional finish. Individually hand wired outlets ensure that your power supply is safe and reliable. Their neat and tidy design saves you space in your installation. Designed specifically for use in 19 rack enclosures with the highest standards of quality expected by the IT Industry. Protected by thermal, thermal-magnetic or hydraulic-magnetic circuit breakers, with a unique shroud to prevent accidental operation. This range of PDUs are built to comply with AS/NZS 3100:2009.

#### 5 YEAR MANUFACTURERS WARRANTY

A large range and customisation options are available to meet your specific requirements.

**CUSTOM DESIGNS ARE AVAILABLE POPULAR STYLES LISTED BELOW - OTHERWISE PLEASE ENQUIRE**



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Audio, Visual & Data Integration Products

### 5x IEC C13 OUTLETS PDU - 1RU

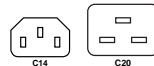
#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 5x IEC C13 outlets. 10A thermal magnetic circuit breaker or 15A hydraulic magnetic CB. Requires inlet power lead.

Output	Input	Amps	Fuse	Length	Code
5xC13	1xC14	10A	Thermal Magnetic	480mm	RPH500
5xC13	1xC20	15A	Hydraulic Magnetic	480mm	RPH501



IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

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### 5x IEC C13 3x IEC C19 OUTLETS PDU - 1RU

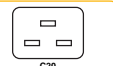
#### WITH BUILT-IN HYDRAULIC-MAGNETIC CIRCUIT BREAKER

Power rail with 5x IEC C13 and 3x IEC C19 outlets. 15A hydraulic magnetic circuit breaker. Requires C20 type inlet power lead.

Output	Input	Amps	Fuse	Length	Code
5xC13, 3xC19	1xC20	15A	Hydraulic Magnetic	480mm	RPH800



IEC C20 Input:  
Requires AC Lead  
See C19 Type



15A

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### 10x IEC C13 OUTLETS PDU - 1RU

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 10x IEC C13 outlets. 10A thermal magnetic circuit breaker or 15A hydraulic magnetic CB. Requires inlet power lead.

Output	Input	Amps	Fuse	Length	Code
10xC13	1xC14	10A	Thermal Magnetic	480mm	RPH1000
10xC13	1xC20	15A	Hydraulic Magnetic	480mm	RPH1001



IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

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### 15x IEC C13 OUTLETS PDU - 1RU

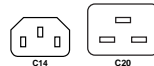
#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 15x IEC C13 outlets. 15A thermal circuit breaker. Requires inlet C14 or C20 power lead.

Output	Input	Amps	Fuse	Length	Code
15xC13	1xC14	10A	Thermal	480mm	RPH1500
15xC13	1xC20	15A	Thermal	480mm	RPH1501



IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

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### 20x IEC C13 OUTLETS PDU - VERTICAL 0.7M

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 20x IEC C13 outlets. 10A thermal magnetic circuit breaker or 15A hydraulic magnetic circuit breaker. Includes 3M inlet power lead. 0.7M in length.

Output	Input	Amps	Fuse	Length	Code
20xC13	1x10A GPO	10A	Thermal Magnetic	700mm	RPV2000
20xC13	1xC20	15A	Hydraulic Magnetic	700mm	RPV2003

GPO Plug  
10A Included  
3.0M Lead



C20 15A  
Included  
3.0M Lead



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10A



15A





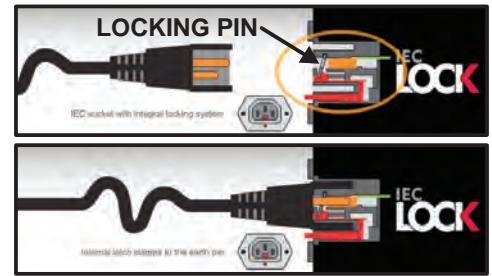
## IEC-LOCK

### GUARDS AGAINST ACCIDENTAL DISCONNECTION OF MAINS POWER

Unique 'Patented' female C13 socket, suitable for use with any standard IEC C14 connector  
Protects computer, medical and other important equipment from accidental disconnection  
Ideal for protecting appliances that are vulnerable to vibration or accidental movement  
Suitable for various critical mains powered appliances that require a secure power source



www.IECLock.com



## IEC-LOCK 8x C13 OUTLETS PDU - 1RU

### WITH BUILT-IN THERMAL MAGNETIC CIRCUIT BREAKER

Power rail with 8x IEC-Lock C13 outlets to prevent accidental disconnection. 10A thermal magnetic circuit breaker.  
Requires a C13 type power lead.



Output	Input	Amps	Fuse	Length	Code
8xC13 IEC-Lock	1xC14	10A	Thermal Magnetic	480mm	RPH801



IEC C14 Input:  
Requires AC Lead  
See C13 Type



## IEC-LOCK 4x C13 & 3x C19 OUTLETS PDU - 1RU

### WITH BUILT-IN HYDRAULIC MAGNETIC CIRCUIT BREAKER

Power rail with 4x IEC-Lock C13 and 3x IEC-Lock C19 outlets.  
10A hydraulic magnetic circuit breaker.  
Requires a C19 type inlet power lead.



Output	Input	Amps	Fuse	Length	Code
4xC13 IEC-Lock, 3xC19 IEC-Lock	1xC20	15A	Hydraulic Magnetic	480mm	RPH502



IEC C20 Input:  
Requires AC Lead  
See C19 Type



## IEC-LOCK 16x C13 OUTLETS PDU - VERTICAL 0.7M

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 16x IEC-Lock C13 outlets . 10A hydraulic magnetic circuit breaker. Requires a C13 or C19 type power lead.



Output	Input	Amps	Fuse	Length	Code
16xC13 IEC-Lock	1xC14	10A	Thermal Magnetic	700mm	RPV1600
16xC13 IEC-Lock	1xC20	15A	Hydraulic Magnetic	700mm	RPV1601

IEC Input:  
Requires AC Lead  
See "Input" for type



## 3RU DISTRIBUTION BOARD - 24 POLE AC/DC MCB

### RACK MOUNTED

Fits up to 24x 18mm DIN-mount magnetic circuit breaker switches.  
Front panel easily removable for maintenance. Contains mounting kit, pole fillers & cable entry grommets. Earth stud on rear for AC applications.  
Size: 483x133x110mm



Code  
DBB324E



## 4RU DISTRIBUTION BOARD - 24 POLE AC/DC MCB

### RACK MOUNTED

Fits up to 24x 18mm DIN-mount magnetic circuit breaker switches.  
Extra space below DIN rail for high-current DC wiring. Front panel easily removable for maintenance. Contains mounting kit, pole fillers & cable entry grommets.  
Size: 483x177x114mm



Code  
DBB424







## 6x 10A GPO OUTLETS PDU - 1RU

### WITH BUILT-IN THERMAL-MAGNETIC CIRCUIT BREAKER

Power rail with 6x 10A GPO outlets. 10A thermal magnetic circuit breaker. 3M power lead with GPO plug included.

Output	Input	Amps	Fuse	Length	Code
6x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH600

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GPO Plug  
10A Included  
3.0M Lead

10A

## 8x 10A GPO OUTLET PDU - 1RU - "SPACE SAVER"

### WITH BUILT-IN THERMAL CIRCUIT BREAKER

Power rail with 8x 10A GPO outlets . 10A thermal circuit breaker. 3M power lead with GPO plug included.

Output	Input	Amps	Fuse	Length	Code
8x10A GPO	1x10A GPO	10A	Thermal	480mm	RPH802

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GPO Plug  
10A Included  
3.0M Lead

10A

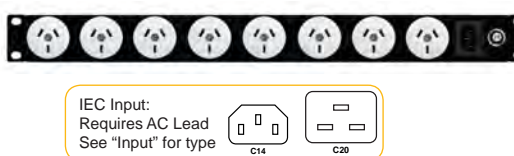
## 8x 10A GPO OUTLETS PDU - 1RU - "SPACE SAVER"

### WITH BUILT-IN THERMAL CIRCUIT BREAKER

Power rail with 8x 10A GPO outlets . 10A or 15A thermal circuit breaker. Requires inlet power lead.

Output	Input	Amps	Fuse	Length	Code
8x10A GPO	1xC14	10A	Thermal	480mm	RPH803
8x10A GPO	1xC20	15A	Thermal	480mm	RPH804

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IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

## 10x 10A GPO OUTLETS PDU - 2RU

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 10x 10A GPO outlets . 10A thermal-magnetic or 15A hydraulic-magnetic circuit breaker. Included 3M inlet power lead. 2RU.

Output	Input	Amps	Fuse	Length	Code
10x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH1002
10x10A GPO	1xC20	15A	Hydraulic Magnetic	480mm	RPH1005

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GPO Plug  
10A Included  
3.0M Lead

C20 Plug  
15A Included  
3.0M Lead

10A

15A

## 12x 10A GPO OUTLETS PDU - 2RU

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 12x 10A GPO outlets . 10A thermal-magnetic or 15A hydraulic-magnetic circuit breaker. Included 3M inlet power lead. 2RU.

Output	Input	Amps	Fuse	Length	Code
12x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH1200
12x10A GPO	1xC20	15A	Hydraulic Magnetic	480mm	RPH1202

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GPO Plug  
10A Included  
3.0M Lead

C20 Plug  
15A Included  
3.0M Lead

10A

15A

## 16x 10A GPO OUTLETS PDU - 2RU - "SPACE SAVER"

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 16x 10A GPO outlets . 10A thermal-magnetic or 15A hydraulic-magnetic circuit breaker. Included 3M inlet power lead. 2RU

Output	Input	Amps	Fuse	Length	Code
16x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH1600
16x10A GPO	1xC20	15A	Hydraulic Magnetic	480mm	RPH1601

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GPO Plug  
10A Included  
3.0M Lead

C20 Plug  
15A Included  
3.0M Lead

10A

15A





### 10x 10A GPO OUTLETS PDU - VERTICAL 1M

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 10x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 3M inlet power lead. 1M in length.

Output	Input	Amps	Fuse	Length	Code
10x10A GPO	1x10A GPO	10A	Thermal Magnetic	1M	RPV1000
10x10A GPO	1xC20	15A	Hydraulic Magnetic	1M	RPV1001



10A

15A

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### 20x 10A GPO OUTLETS PDU - VERTICAL 1.3M - "SPACE SAVER"

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 20x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 3M inlet power lead. 1.3M in length.

Output	Input	Amps	Fuse	Length	Code
20x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.3M	RPV2004
20x10A GPO	1xC20	15A	Hydraulic Magnetic	1.3M	RPV2005



10A

15A

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### 15x 10A GPO OUTLETS PDU - VERTICAL 1.7M

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 15x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 2M inlet power lead. 1.7M in length.

Output	Input	Amps	Fuse	Length	Code
15x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.7M	RPV1500
15x10A GPO	1xC20	15A	Hydraulic Magnetic	1.7M	RPV1501



10A

15A

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### 20x 10A GPO OUTLETS PDU - VERTICAL 1.7M

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 20x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 2M inlet power lead. 1.7M in length.

Output	Input	Amps	Fuse	Length	Code
20x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.7M	RPV2001
20x10A GPO	1xC20	15A	Hydraulic Magnetic	1.7M	RPV2006



10A

15A

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### 30x 10A GPO OUTLETS PDU - VERTICAL 1.7M - "SPACE SAVER"

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 30x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 2M inlet power lead. 1.7M in length.

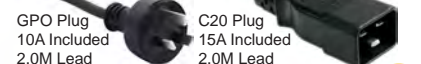
Output	Input	Amps	Fuse	Length	Code
30x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.7M	RPV3000
30x10A GPO	1xC20	15A	Hydraulic Magnetic	1.7M	RPV3001



10A

15A

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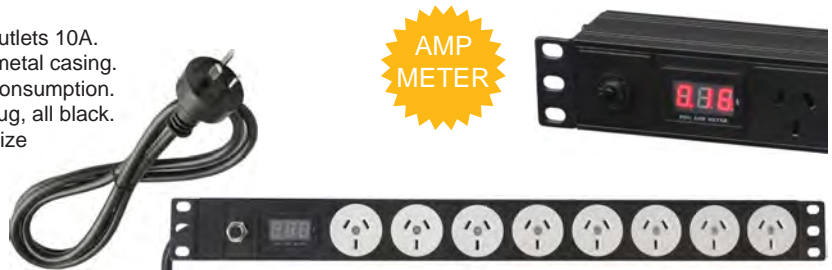
## AC Power Strips

### HORIZONTAL POWER RAIL WITH DISPLAY

#### DIGITAL DISPLAY CURRENT METER

1RU height, 19" horizontal mount rack mount with SAA outlets 10A. 10A Resettable thermal circuit breaker. Aluminium-alloy metal casing. Built-in LED 3 digit current meter measures total power consumption. Heavy duty 3x1.5mm<sup>2</sup> power cord 2M to standard 10A plug, all black. Australian Approved. SAA100425EA. 45x45x482mm in size

Amps	Input	Lead	Output	Code
10A	SAA 10A	2M	8x SAA	PDH801



### HORIZONTAL POWER RAIL WITH DISPLAY

#### 1RU RACK MOUNT WITH THERMAL FUSE

Power distribution unit with assorted options of output configuration. Input plug in 10A. Single rack mount 1RU. Breakout on both front and rear panels for a compact solution. Thermal fuse and illuminated master toggle switch with cover. Includes power lead to mains plug. 2 Metres lead. Built-In dual LED power meter displays both voltage and current. 130x45x482mm

Amps	Input	Lead	Size	Output	Code
10A	10A Plug	3M	1.5mm <sup>2</sup>	16x GPO(10A)	PDH1600



### HORIZONTAL POWER RAIL 6/8 WAY

#### ALL METAL CASING WITH ILLUMINATED MASTER SWITCH

1RU height, 19" horizontal mount rack mount with SAA outlets 10A. Illuminated master power switch with protective cover. 10A Resettable thermal circuit breaker. Quality made Aluminium-alloy metal casing. Heavy duty 3x1.5mm<sup>2</sup> power cord 2M to standard 10A plug, all black. Australian Approved. SAA100425EA. 45x45x482mm in size.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	6x GPO	PDH600
10A	10A Plug	2M	8x GPO	PDH800

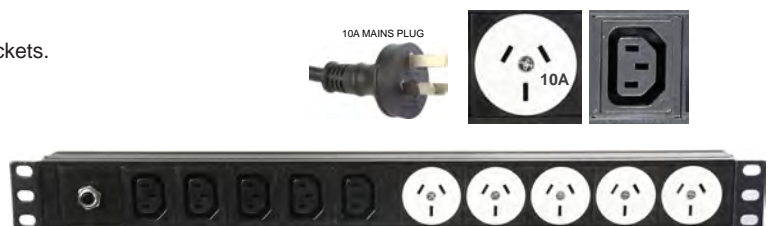


### HORIZONTAL POWER RAIL C13 + GPO SOCKETS

#### BUILT-IN THERMAL CIRCUIT BREAKER

Horizontal 1RU. Outlet includes 5x 10A GPO, 5x IEC C13 sockets. Heavy duty Aluminium alloy casing. 10A Thermal circuit breaker. With 2M 3x 1.5mm<sup>2</sup> cable and SAA mains power plug. Size: 482x45x60mm

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	5x GPO(10A), 5x C13	PDH1002



### HORIZONTAL POWER RAIL C13 + GPO SOCKETS

#### FRONT AND BACK SOCKETS

Horizontal 1RU 11WAY PDU. Outlet includes 7x 10A GPO (front), and 4x IEC C13 sockets (back). Heavy duty Aluminium alloy casing. 10A Thermal circuit breaker and surge protector. With 3M 3x 1.5mm<sup>2</sup> cable and 10A SAA mains power plug. Size: 488x63.5mmx45mm

Amps	Input	Lead	Output	Code
10A	10A Plug	3M	7x GPO(10A), 4x C13	PDH1100







### HORIZONTAL POWER RAIL C13 12 WAY

#### C13 IEC SOCKETS 12X WAY

1RU height, 19" horizontal mount rack mount with C13 outlets for IEC. 10A Resettable thermal circuit breaker. Quality made Aluminium-alloy metal casing with Heavy duty 3x1.5mm<sup>2</sup> lead 2M to standard 10A plug. 45x45x482mm in length.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	12x C13	PDH1001



### HORIZONTAL POWER RAILS - FLUSH 8 WAY GPO

#### BUILT-IN THERMAL CIRCUIT BREAKER

1RU power strip with 8 WAY 3 pin 10A GPO power sockets. 3 metre 3x 1.5mm<sup>2</sup> power lead with SAA plug. 10A Thermal circuit breaker. Size: 482x45x95mm (Counter Sink: 50mm)

Amps	Input	Lead	Output	Code
10A	10A Plug	3M	8x GPO (10A)	PDH802



### VERTICAL MOUNT POWER RAIL 12 WAY GPO - 1U X 1M

#### 1RU ALUMINIUM RACK MOUNT WITH THERMAL FUSE

1RU height, 12 way vertical rack mount power rail with 12x 10A GPO outlets. 10A Resettable thermal circuit breaker. Aluminium-alloy metal casing. Spaced outlets for power-packs, easy access, etc. Built-in LED power indicator. Heavy duty 3x 1.5mm<sup>2</sup> power cord 2 metre to standard 10A plug. 45x60x985mm in size

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	12x GPO (10A)	PDV1200



### VERTICAL POWER RAIL 15 WAY GPO - 1U X 1.2M

#### ALUMINIUM CASING 1RU

15 way SAA vertical power rail, 1RU. Aluminium-alloy casing. 10A Resettable fuse button and thermal circuit breaker. 3x1.5mm<sup>2</sup> 2M cord. 10A Plug. Australian Approved SAA100425EA. 45x45x1040mm in size.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	15x GPO(10A)	PDV1500



### VERTICAL MOUNT POWER RAIL C13 & GPO

#### 5 WAY C13 & 5 WAY SAA IN AN EXTENDED VERTICAL MOUNT

5x C13 IEC Sockets and 5x GPO 10A sockets. Thermal fuse protected. Aluminium-alloy casing. Extended case 65cm for vertical mounting. Heavy-duty 3x1.5mm<sup>2</sup> power lead, 2 metres with 10A SAA Plug. Australian Approved. SAA100425EA. Size: 45x45x650mm.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	5x GPO(10A), 5x C13	PDV1000



### VERTICAL POWER RAIL 18 WAY MIXED IEC AND GPO 10A - 1U X 1M

Vertical 1RU, 8 way SAA 10A + 10 way C13 with 10A 6KA Circuit breaker. With 2M 3x1.5mm<sup>2</sup> cable with SAA 10A plug. Size: 45x45x1040mm

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	8x GPO(10A), 10x C13	PDV1800





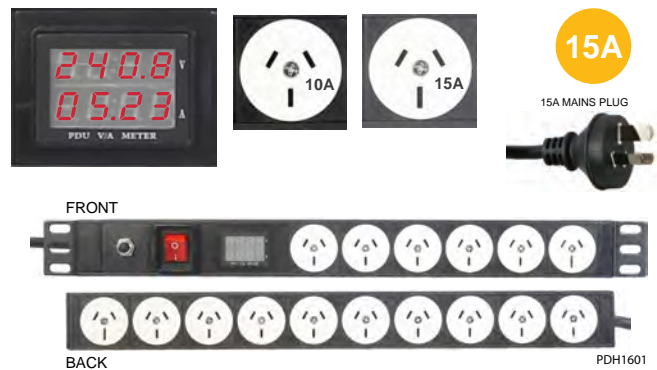


## HORIZONTAL POWER RAIL WITH DISPLAY

### 1RU RACK MOUNT WITH THERMAL FUSE

Power distribution unit with assorted options of output configuration. Input plug in 15A Oversized earth pin. Single rack mount 1RU. Breakout on both front and rear panels for a compact solution. Thermal fuse and illuminated master toggle switch with cover. Includes power lead to mains plug. 2 Metres lead. Built-In dual LED power meter displays both voltage and current. 130x45x482mm

Amps	Input	Lead	Size	Output	Code
15A	15A Plug	3M	2.5mm <sup>2</sup>	14x GPO(10A), 2x GPO(15A)	PDH1601



## VERTICAL POWER RAIL C19 + GPO SOCKETS - 1U X 1M 15A

Horizontal 1RU 15WAY PDU. Outlet includes 12x 10A GPO, 2x 15A GPO and 1x IEC C19 sockets. Heavy duty Aluminium alloy casing. 15A Thermal magnetic circuit breaker. With 2M 3x 1.5mm<sup>2</sup> cable and 15A SAA mains power plug. Size: 990x45x45mm

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	12x GPO(10A), 2x GPO(15A), 1x C19	PDV1501



## VERTICAL POWER RAIL 15 WAY 10A GPO - 1U X 1M 15A

### WITH 15A OVERSIZED PLUG

Comes with 3x2.5mm<sup>2</sup> 2M power cord. 45x45x1040mm in size.

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	15x GPO (10A)	PDV1502



## VERTICAL POWER RAIL 14 WAY MIXED 10A & 15A GPO - 1U X 1M

### 15A AC MAINS PLUG - WITH OVERSIZED EARTH PIN

12 way GPO 10A + 2 way GPO 15A with 15A Thermal Magnetic Circuit Breaker. 1RU Heavy-duty Aluminium-alloy metal casing. With 3x2.5mm<sup>2</sup> cable 2M with 15A plug oversized earth pin. Size: 45x45x1040mm + Brackets.

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	12x GPO(10A), 2x GPO(15A)	PDV1400



## VERTICAL POWER RAIL 19 WAY MIXED IEC AND GPO - 1U X 1M 15A

### 15A AC MAINS PLUG - WITH OVERSIZED EARTH PIN

Vertical 1RU. Outlets included 1x C19, 10x C13, 8x GPO (10A) sockets. Heavy-duty Aluminium-alloy metal casing. 15A Thermal magnetic resettable circuit breaker. 3x2.5mm<sup>2</sup> cord 2 metres with oversized 15A Plug. Australian Approved SAA100425EA. 45x45x1040mm + Brackets.

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	10x C13, 1x C19, 8x GPO(10A)	PDV1900







### VERTICAL POWER RAIL 10 WAY GPO SOCKETS - 1U X 1.2M - 15A CAPTIVE

#### CAPTIVE 15A PLUG WITH OVER-SIZED EARTH PIN

Horizontal 1RU 10WAY PDU. Outlet includes 10x 10A GPO sockets.  
Heavy duty Aluminium alloy casing. Size: 1200x48.7x45.8mm  
15A 3 pin captive power plug with 3M 3x 2.5mm<sup>2</sup> cable

Amps	Input	Lead	Output	Code
15A	15A 3 Pin Captive Plug	3M	10x GPO(10A)	PDV1001



15A



### VERTICAL MOUNT POWER RAIL 24 WAY GPO - 1U X 1.2M - 20A CAPTIVE

#### 20A CAPTIVE PLUG - ALL PINS OVERSIZED

Vertical 1RU rack mount power rail. 24 x GPO (10A) Outlets.  
Strong construction with heavy-duty Aluminium-alloy metal casing. 45x60x1150mm + Brackets.  
20A Thermal-Magnetic resettable circuit breaker.  
3x 2.5mm<sup>2</sup> cord 2.5 metres with the Captive 20A 3 pin plug.

Amps	Input	Lead	Output	Code
20A	20A Captive Plug	2.5M	24xGPO (10A)	PDV2004



20A



### VERTICAL POWER RAIL C13 + GPO SOCKETS - 1U X 1.2M - 20A CAPTIVE

Horizontal 1RU 20WAY PDU. Outlet includes 16x 10A GPO and 4x IEC C13 sockets.  
Heavy duty Aluminium alloy casing.  
20A Thermal magnetic circuit breaker.  
With 3M 3x 2.5mm<sup>2</sup> cable and 20A flat pin captive power plug.  
Size: 1200x48.7x45.8mm

Amps	Input	Lead	Output	Code
20A	20A Flat Pin Captive Plug	3M	16x GPO(10A), 4x C13	PDV2000



20A



### VERTICAL 17 OUTLETS POWER STRIPS - 1U X 1M - 20A CAPTIVE

#### 1 WAY C19 + 4 WAY C13 + 12 WAY GPO

Longer vertical mount power strips with 1x C19, 4x C13 and 12x GPO outlets.  
2 metre power lead with 20A Captive power plug.  
20A Thermal Magnetic circuit breaker protection. Size: 1000x49x46mm

Amps	Input	Lead	Output	Code
20A	1x 20A Captive Power Plug	2M	1x C19, 4x C13, 12x GPO	PDV1700



20A



### VERTICAL POWER RAIL 20 WAY GPO - 1U X 1.2M - 32A CAPTIVE

Horizontal 1RU 20WAY PDU. Outlet includes 20x 10A GPO sockets.  
Heavy duty Aluminium alloy casing. Size: 1200x60x45mm  
32A Thermal magnetic circuit breaker.  
With 3M 3x 4mm<sup>2</sup> cable and 32A round 3 pin mains power plug.

Amps	Input	Lead	Output	Code
32A	32A 3pin Round pin plug	3M	20x GPO(10A)	PDV2001



32A



### VERTICAL MOUNT POWER RAIL 20 WAY MIXED IEC AND GPO - 1U X 1.2M - 32A CAPTIVE

#### 56 SERIES COMPATIBLE CAPTIVE PLUG

Vertical mount. Outlets include 16x GPO (10A), 4x C13 sockets. Heavy-duty Aluminium-alloy metal casing for professional installations.  
32A Thermal-Magnetic resettable circuit breaker. 45x60x1170mm + Brackets.  
3x 2.5mm<sup>2</sup> cord 2.5 metres with Industrial 32A 3 pin Captive Plug.

Amps	Input	Lead	Output	Code
32A	32A Captive plug	2.5M	16xGPO+4xC13	PDV2003



32A







## □ AC Power Strips Misc

### 19" HORIZONTAL POWER BOARD

#### SPIKE ARRESTOR & 10A PROTECTED

Illuminated master power switch. 10A Resettable fuse button.  
Single MOV Spike arrester surge protection. 1 Metre Cord.  
10A Mains with right angled plug. 482mm 1RU.

Type	Code
6 Outlet	PB60RK



### 1RU HORIZONTAL POWER RAIL

#### ALL METAL CASING WITH ILLUMINATED MASTER SWITCH

1RU height, 19" horizontal mount rack mount with 6x or 8x 10A SAA outlets. Illuminated master power switch with protective cover. Quality made Aluminium-alloy metal casing. Heavy duty 3x1.5mm<sup>2</sup> power cord 2M to standard 10A plug, all black. Australian Approved. SAA100425EA. 45x45x482mm in size.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	6x GPO (10A)	PDU-6000
10A	10A Plug	2M	8x GPO (10A)	PDU-8000



### HORIZONTAL POWER RAILS - FLUSH

#### JACKSON INDUSTRIES - SPIKES AND 10A PROTECTED

High quality metal cased 1U & 2U rack mounted powerboards. Ideal for server rooms and audio installations. 525 joules spike surge and 10A overload protected. EMI & RFI Filtering. Power ON and earth LED indicators. IEC socket with 1.8M Power lead to 10A mains plug.

Type	Code
6 Outlet	RAC0600
12 Outlet	RAC1200



**Jackson™**



### HORIZONTAL POWER RAILS - FLUSH 8 WAY GPO SOCKETS

#### BUILT-IN THERMAL CIRCUIT BREAKER

1RU power strip with 8 WAY 3 pin 10A GPO power sockets. 3 metre 3x 1.5mm<sup>2</sup> power lead with SAA plug. 10A Thermal circuit breaker. Size: 482x45x95mm (Counter Sink: 50mm)

Amps	Input	Lead	Output	Code
10A	10A Plug	3M	8x GPO (10A)	PDH802



### HORIZONTAL POWER RAILS - FLUSH 8 WAY GPO SOCKETS

Supplied with 2 Cage Nut Screw Sets.  
10A Resettable Fuse. Extruded aluminium.  
Led Power Indicator. 2.8M cord to 10A plug.  
PR8H Horizontal style suits the required length for rack mounting (19") and is recessed for plug space. 1RU 482mm

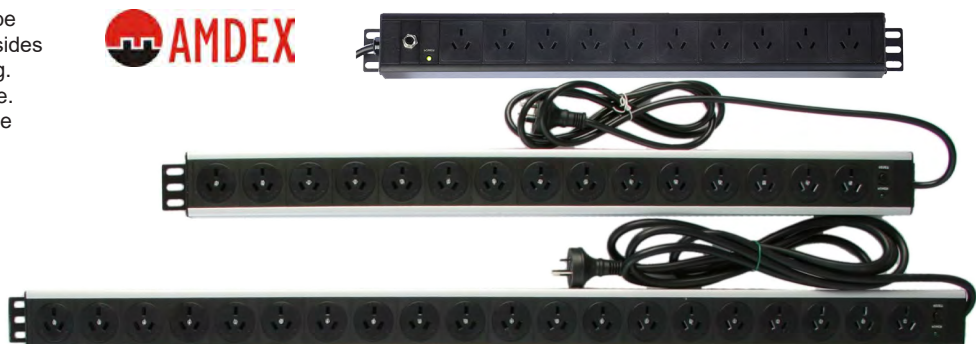
Type	Length	Code
8 Outlet	440mm	PR8H



### VERTICAL POWER RAILS - AMDEX

Vertical mounting power rails can be installed by affixing to the cabinet sides or back, etc. 2.8M cord to 10A Plug. Extruded aluminium with black face. 65(w) x 45(h)mm x Length + Flange

Type	Length	Code
10 Outlet	530mm	PR10V
15 Outlet	750mm	PR15V
20 Outlet	980mm	PR20V







## AC Power Boards

### MULTI-MEDIA PROTECTED POWERBOARD 8-WAY JACKSON

#### WITH 2xUSB CHARGING PORTS (2.1A)

The Jackson model PT8013USB powerboard is an ideal solution for both Home Entertainment and Computer Systems. This model features 8 surge protected outlets rated at 1050 Joule to power and protect valuable electronic equipment from damaging power spikes and surges and comes with a \$20,000 Connected System Warranty. It features a 2.1 Amp USB charger with 2 outlets suitable for charging most portable electronic devices. "F" Connector for Television Surge Protection, suitable for use with Pay TV including Foxtel as well as free-to-air antenna connections. 1.8 metre lead with right angle plug. Additionally, this model has 4 spaced sockets to allow bulky power packs and chargers to be connected and LED indicator lights to show the status of the surge protection, grounding and power availability.

**Jackson™**

Code  
PT8013USB

**USB CHARGER**  
UNIVERSAL SERIAL BUS



### 8 OUTLET POWERBOARD WITH SURGE PROTECTION

#### WITH \$20,000 CONNECTED SYSTEM WARRANTY

The PT8012 is ideal for both Home Entertainment and Computer Systems. Featuring 8 surge protected outlets to power and help protect your valuable electronic equipment from damaging power spikes. Includes additional surge protection for your internet / telephone line as well as TV antenna / Pay TV set top boxes. The 4 spaced power outlets provide additional space to accommodate bulky power packs and chargers. LED indicator lights confirm the status of surge protection, earth / grounding and power availability through a large master switch.

- 8 way AC Power Outlets
- 4 Spaced Socket to suit larger power packs
- Right Angle mains power plug
- Surge Protection for Power, AV and telecom outputs
- Circuit Breaker
- Slimline Design
- Screw Slot Mounting for AV input and output

Code  
PT8012



**Jackson™**



### MULTI-MEDIA PROTECTED POWERBOARD 6-WAY JACKSON

The PT6012 surge protected powerboard is ideal for both home entertainment and computer systems. Featuring 6x surge protected outlets to power and help protect your valuable electronic equipment from damaging power spikes. Includes additional surge protection for your ADSL & Telephone line (RJ12) as well as RF with TV antenna / Pay TV set top boxes ("F" in/out). The 2 spaced power outlets will provide additional space to accommodate bulky power packs and chargers. 3x LED indicator lights will confirm the status of surge protection. Green is grounding status good. Red is surge protection ready. Blue is power master AC switch. Attached lead 1.8M with R/A Plug. 10A. MOV=18,000Amps(1050Joules)<20nS. Size: 240x95x48mm

Code  
PT6012



**Jackson™**



### POWER BOARD WITH RF FILTERING JACKSON

Extra long 5M mains lead with right angle plug. Individually switched outlet power board. 2x extra wide power outlets bulky power packs. EMI and RFI filtering reduces line noise to sensitive equipment. Surge and 10A overload protection. Black in colour. Deluxe quality.



Code  
PT0872

**Jackson™**



### SURGE PROTECTED POWER BOARD SWITCHED

Quality build features. 4/6 individually switched outlets with overload and surge protection. 1 metre lead with a right angled plug to fit neatly behind furniture. Voltage rating 240VAC, Current 10A max, 2400W max and 4500A surge current.

Type	Code
4 Way	PT1814
6 Way	PT1816



**Jackson™**







## POWER BOARD INDIVIDUALLY SWITCHED

### 6-WAY INDIVIDUALLY SWITCHED

Highly rated unit offering surge and overload protection to your appliances. Avoid damage that can be caused by unpredictable power surges. Protect valuable audio, video, entertainment and computer equipment. Extra long power lead, right angle power plug to fit easily and neatly behind furniture. Protection from both EMI and RFI (Electromagnetic and Radio interference) is an added feature. In addition to the Jackson Product Lifetime Replacement Warranty, this product also includes a \$10,000 Connected System Warranty.

Individually switched outlets

Surge protection

EMI/RFI filtration

2 metre lead

Voltage	240VAC
Current	10A (max)
Lead	2M
Code	PT0876

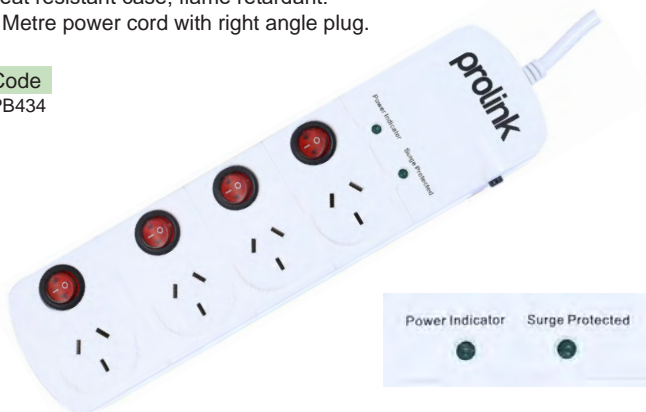


## 4 PORT POWERBOARD INDIVIDUALLY SWITCHED

### SURGE & OVERLOAD PROTECTED & ILLUMINATED SWITCHES

4 way powerboard with individually switched power outlets. One extra-spaced outlet to suit larger power adaptor 10A resettable thermal fuse protection. Surge protection. 525J with LED indication. Heat resistant case, flame retardant. 1 Metre power cord with right angle plug.

Code  
PB434



## 4 PORT POWERBOARD INDIVIDUALLY SWITCHED

### INCLUDES PHONELINE SURGE PROTECTED

Home or office equipment. Surge & Spike protection for Power and Phone/Fax/Modem RJ12 Line. Individual power switches for each outlet assists in saving power. Protection active LED indicator. 2M Cord. 10A resettable fuse. Right angle low profile plug. White.

Code  
PT0984

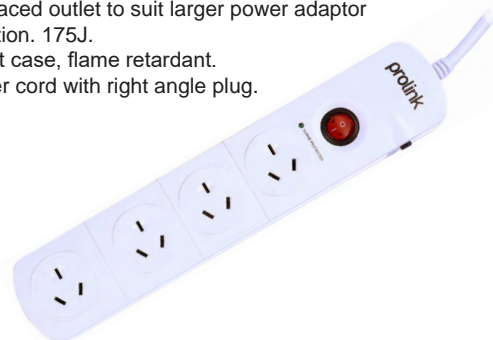


TELEPHONE I/O

## 4 PORT POWERBOARD WITH SURGE PROTECTION

The 4 port powerboard has 10A resettable thermal fuse protection. Illuminated master power switch 10A. One extra-spaced outlet to suit larger power adaptor Surge protection. 175J. Heat resistant case, flame retardant. 1 Metre power cord with right angle plug.

Code  
PB433



## POWER BOARDS WITH SINGLE SWITCH

### 2M POWER CORD R/A PLUG

Extra long 2m power cord with right angled plug Blue illuminated toggle master power switch Blister pack hanger.

Outlet	Code
4	PB43BK
6	PB63BK

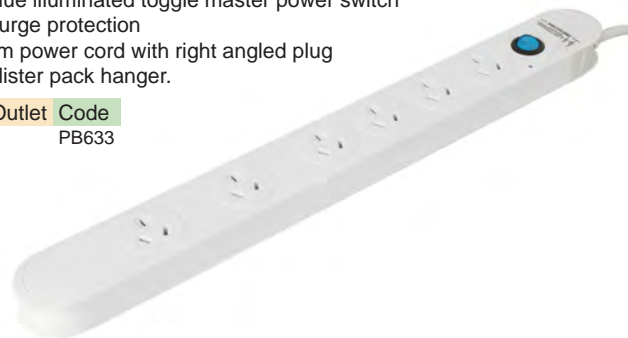


## POWER BOARDS WITH SURGE & SWITCH

### 2M POWER CORD R/A PLUG

6 way powerboard with 2 extra spacing sockets Blue illuminated toggle master power switch Surge protection 2m power cord with right angled plug Blister pack hanger.

Outlet	Code
6	PB633



## 6 OUTLET POWERBOARD WITH RJ12 PROTECTION WITH TELEPHONE / INTERNET LINE PROTECTION

High quality 6 way powerboard suited to domestic and commercial applications. This model PT0888 is a high rated unit offering surge and overload protection to your appliances. Avoid damage that can be caused by unpredictable power surges and includes in line surge protection for telephone and data lines. Protect valuable computer equipment, video, entertainment and audio equipment. Long 1.8m power lead and right angle power plug to fit easily and neatly behind furniture. It includes protection from both EMI and RFI.

6 Power Outlets With Single Switch  
Surge Protection  
Overload Protection  
Telephone / Internet Line Protection

Code  
PT0888



TELEPHONE I/O

POWER SWITCH





## 4 WAY POWER BOARD VARISTOR SPIKE

10A resettable overloading protection with LED indicator.  
ie. Time to replace power board when LED extinguishes.  
Surge spike protection up to 4500A.  
Reaction time: < 25ns.  
Clamping voltage: 710V, 50A.

Cable Length	Code
0.8m	PB41S



LED INDICATES  
PROTECTION  
ENABLED



## POWER BOARD - PROLINK

Standard power board with 10A resettable thermal protection.  
Excellent value for home and office use. Right angle mains plug.  
80cm AC leads.

Outlet	Code
4	PB42
6	PB62

**prolink**  
Audio, Visual & Data Integration Products



## MAINS POWER BOARD ECONOMY

Power board with 10A  
resettable protection  
(Appearance may change)  
Excellent price!  
Cord 1.0 Metre.

### 4 WAY BLACK

Code
PB40BK

### 4 WAY WHITE

Code
PB40

### 6 WAY WHITE

Code
PB60



## 4 WAY POWER BOARD

### INDIVIDUALLY SWITCHED

Surge spike protected with LED Indicator  
Overload protected 10A with reset  
button Individual switches and LED  
indicators  
230x75x35mm white R/A  
Mains Plug 1 Metre lead.

Code
PB40-4SW



## POWER BOARDS WITH SURGE

### 1M POWER CORD R/A PLUG

Shrink wrap with label

Outlet	Code
4	PB432
6	PB632



## POWER BOARD SPACED-SOCKETS JACKSON

### SPIKE & 10A PROTECTED 6 SOCKET

Extra wide spaced sockets to accommodate bulky power packs.  
Surge and overload protection. 10A, 2400W, 175 Joules, 20ns.  
Right angle plug, 1m power cord.

Code
PT6969SBE

**Jackson™**



## POWER BOARD VARISTOR-SPIKE

### SPIKE & 10A PROTECTED

Competitively priced with  
Illuminated power switch 10A  
Resettable fuse button Single  
MOV Spike arrester and 1 Metre  
Cord R/A Plug.

### 4 WAY

Colour	Code
White	PB430

### 6 WAY

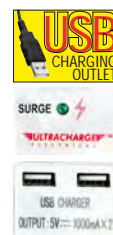
Colour	Code
White	PB630
Black	PB630BK



## 6 WAY POWER BOARD & 2x USB PORTS

6 way AC power board with 2x 1A (each) USB charging ports. Ideal for  
home and office. It features six wide spaced sockets, two 5V 1A USB  
power sockets. There is an illuminated On/Off power master switch  
to turn on or off the power supply to all the sockets. Power surge and  
circuit breaker protected..

Code
PB60USB







## AC Power Boards with USB

### POWERCUBE EXTENDED - 5 OUTLETS WITH LEAD WITH DOCKING MOUNT

The PowerCube® Extended power adaptor is a uniquely designed power distributor that features a five outlet compact cube at the end of a 1.5 or 3.0 metre flexible lead & plug.

This product includes a docking mount which users can easily fasten to a desk top, or under the desk, or on the wall, etc. There is also a small plastic collar with a screw hole slides up and down the cable, so users can tack the cable to the wall or underneath your desk to keep cables tidy.



Outlet	5	5	5	5	5
Amps	10A	10A	10A	10A	10A
Voltage	240Vac	240Vac	240Vac	240Vac	240Vac
Cord	1.5M	1.5M	1.5M	1.5M	3.0M
OEM	5304/AUEXPC-GREY	5300/AUEXPC-BLUE	5300/AUEXPC-GREEN	5300/AUEXPC	5304/AUEXPC
Colour	Grey	Blue	Green	Red	Red
Code	PB5001GY	PB5001BU	PB5001GN	PB5001RD	PB5002RD



### POWERCUBE EXTENDED USB - 4 OUTLETS / 2 USB WITH DOCKING MOUNT

The PowerCube® Extended USB is a uniquely designed power distributor that features a four-outlet cube at the end of a 1.5 or 3.0 metre flexible lead and also two USB sockets for 2.1A charging of accessories. This product includes a docking mount which users can fasten to a desk, or under the desk, or on the wall using the provided screws, or damage-free adhesive strips. There is also a small plastic collar that slides up and down the cable, with a screw hole so users can tack the cable to the wall or underneath your work surface to keep the cable tidy and out of the way.

Outlet	4				
Amps	10A				
Voltage	240VAC				
USB	2				
USB Outlet	5V 2.1A Total				
OEM	5400/ AUEUPC	5404/ AUCUPC	5400/ AUEUPC- RED	5400/ AUEUPC- GREEN	5400/ AUEUPC- BLUE
Colour	Grey	Grey	Red	Green	Blue
Cord	1.5M	3.0M	1.5M	1.5M	1.5M
Code	PB4001GY	PB4002GY	PB4001RD	PB4001GN	PB4001BU



## Office Fitting

### ELSAFE PIXEL FLUSH DESK MOUNT USB & GPO

Low profile flush mount desk top solution  
Mounts existing desk holes 80mmØ  
Available in different configurations  
Includes attached 2M Power lead  
Optional 240V AC Outlet 10A  
Optional USB Power 5.0A (per pair)  
Optional RJ45 Ethernet



TUF  
pixel

GPO	USB	RJ45	Colour	Code
-	2	-	White/Silver	972000
-	2	-	Black/Silver	972001
-	2	1	White/Silver	972004
-	2	1	Black/Silver	972005
-	2	2	White/Silver	972008
-	2	2	Black/Silver	972009
1	2	-	White/Silver	973000
1	2	-	Black/Silver	973001
1	2	-	White/Yellow	980000
1	2	-	Black/Yellow	980001
1	2	-	White/Light Orange	980004
1	2	-	Black/Light Orange	980005
1	2	-	White/Orange	980008
1	2	-	Black/Orange	980009
1	2	-	White/Red	980012
1	2	-	Black/Red	980013
1	2	-	White/Pink	980016
1	2	-	Black/Pink	980017
1	2	-	White/Green	980020
1	2	-	Black/Green	980021
1	2	-	White/Light Blue	980024
1	2	-	Black/Light Blue	980025
1	2	-	White/Dark Blue	980028
1	2	-	Black/Dark Blue	980029



elsafe

FITS STANDARD 80MMØ DESK HOLE







## ELSAFE PLUTO GPO & USB ON DESK

### RUBBER FEET WITH SIDE ENTRY POWER LEAD

The PLUTO series satisfies a demand for power and data connectivity. Perfectly suited to breakout areas, smaller meeting rooms and coffee tables - The PLUTO makes sharing power a pleasure. The unit stands on rubber feet with power cable side entry. Optional mounting ring which is designed to screw onto the surface of the table, and the PLUTO unit then can be mounted on top of the mounting ring by twisting and locking it in place.

Above desk module Stand alone or  
Optional 80mmØ mounting ring  
Three sided half-sphere design  
In-built USB Power 5.0A (per pair)  
75x140mmØ White and Grey  
Includes 2M power lead  
Premium grade plastics and style

GPO	USB	Code
1	2	990001
2	1	990000
3	3	990002
3	-	161201

### LOCKING RING

Adapts module into 80mmØ common desk hole for security.

Description	Code
Locking Plate	276003



## ELSAFE PLUTO GPO & USB & RJ45 THROUGH DESK

### REQUIRES A HOLE FOR AC CORD

The PLUTO through desk grommet model includes similar features in the on desk model, but the main difference is this model features a desk grommet mount instead. The unit can be fitted into a standard 80mm desk port hole with the power cord entry through bottom.

Through-hole desk module  
Optional 80mmØ mounting ring  
Three sided half-sphere design  
In-built USB Power 2.3A (per pair)  
75x140mmØ White and Grey  
Includes 2M power lead  
Premium grade plastics and style

GPO	USB	RJ45	Code
2	-	2	161214
1	2	2	990004
2	2	-	990006
1	4	-	990008

### LOCKING RING

Adapts module into 80mmØ existing desk hole for security.

Description	Code
Locking Plate	276003



## ELSAFE PROFESSIONAL ELECTRICAL FITTINGS

### SEE OUR WEB SITE FOR THE ELSAFE PRODUCT RANGE

Distribute power and data and multi-media throughout offices and buildings in a new way. ELSAFE offers a modern solution to the cable chaos for a professional soft-wire installation.



A new exciting range of professional install items for office fitting is now available from WES. A complete catalogue is now available.





## AC Power USB

### POWER BOARD WITH USB POWER

2x USB Sockets for Powering USB devices and charging, etc.  
5Vdc Amps is total.



Surge protection.  
Spaced sockets.  
10A Circuit Breaker.

Type	6 Way	6 Way	4 Way	4 Way
Amps	1A (Total)	3.1A (Total)	1A (Total)	3.1A (Total)
Code	PT6969SUSB	PT6969SUSB3A	PT2929SUSB	PT2929SUSB3A

### 4 PORT POWERBOARD SWITCHED WITH USB 4.5A

4 way powerboard with individually switched power outlets.  
One extra-spaced outlet to suit larger power adaptor  
10A resettable thermal fuse protection. Surge protection. 525J.  
Heat resistant case, flame retardant for fire safety.  
4x USB outlets with total USB current 4.5 Amps (Total).  
1 Metre power cord with right angle plug.

Code  
PB435



### 4 PORT POWERBOARD SWITCHED WITH USB 1A

4 individually switched surge and overload protected outlets. It also has 4 USB outlets suitable for charging most USB Total Load: 1A.  
1 metre lead with a right angle plug.

Code  
PT1814USB



### POWERBOARD WITH USB HUB & POWER

#### 1A POWERED 4 WAY USB + 4 WAY USB HUB

4 surge and overload protected mains outlets.  
4 USB charging outlets for powering and charging USB devices (1A total).  
In addition, it also features an onboard 4 port USB hub to connect additional USB computer peripheral devices to your computer.

Supply rating: 240VAC ~ 50Hz  
Current: 10A (Max.)  
Power Rating: 2400 Watt (max)  
Surge protection: 175J  
Surge current: 4500A  
Response time: <20ns  
Power lead: 1 metre  
Plug Type: Right Angle  
USB x4 Charge/Power  
USB Max total 1A  
USB x4 Hub

Code  
PT4014HUB



### USB MAINS POWER - PLUG TYPE

100-250Vac To 5Vdc up to 1A

Plug	Colour	Code
USB Male	White	USB902
USB Female	White	USB900
USB Female	Black	USB904



### USB MAINS POWER COMPACT

Extra compact solution for easy transport.  
USB Socket to 5 volt 1A or 2.4A

Amps	Code
1A	PTXUSB
2.1A	CTC1002-BK
2.1A	CTC1002-WH
2.4A	CTC1003-BK
2.4A	CTC1003-WH
2.4A	ADM70A
3.4A	ADM72



### USB MAINS CHARGER - CTC PROLINK

#### 2.4A USB WITH ADAPTOR LEAD

Compact plug pack with USB socket and a 1.5M long adaptor lead included.  
Cellink Blister Hank Packaging.

Plug	Colour	Code
Micro-USB Male	Black	CTC1004-BK
Micro-USB Male	White	CTC1004-WH
Micro-USB Reversible	Black	CTC1005-BK
Micro-USB Reversible	White	CTC1005-WH
USB-C	Black	CTC1006-BK
USB-C	White	CTC1006-WH
Mini-USB Male	Black	CTC1007-BK



### USB MAINS CHARGER 2.4A

#### COMPACT PLUG-PACK WITH 1.5M LEAD

Plug	Code
Micro-USB Male	CTC1008-BK
Micro-USB Reversible	CTC1009-BK
Mini-USB Male	CTC1010BK



### USB MAINS CHARGER - PROLINK BULK

#### BULK PACKAGING

Compact switch-mode power-packs sold in bulk to save you money if packaging is not required (See CTC Series above for details).

Socket	Lead	Current	Code
USB-Female	Nil	2.1A	BAC1002-BK
USB-Female	Nil	2.1A	BAC1002-WH
USB-Female	Nil	2.4A	BAC1003-BK
USB-Female	Nil	2.4A	BAC1003-WH
USB-Female	Micro-USB	2.4A	BAC1004-BK
USB-Female	Micro-USB	2.4A	BAC1004-WH
USB-Female	Micro-USB Reversible	2.4A	BAC1005-BK
USB-Female	Micro-USB Reversible	2.4A	BAC1005-WH
USB-Female	USB-C	2.4A	BAC1006-BK
USB-Female	USB-C	2.4A	BAC1006-WH
USB-Female	Mini-USB	2.4A	BAC1007-BK
Cord	Micro-USB Male	2.4A	BAC1008BK
Cord	Micro-USB Reversible	2.4A	BAC1009-BK
Cord	Mini-USB	2.4A	BAC1010BK





## □ UPS PowerShield

### REMOTE MAINS POWER MANAGER

#### RPM - REMOTE POWER MANAGER

RPM is a network manageable, intelligent power control unit designed to provide control of power to up to 8 electrical devices. This power nerve centre gives you control over your electrical devices either through a network connection, model dial-up or a telephone. Once connected you can reset, power up/down the devices, and much more...



Support TCP/IP, SNMP, HTTP, SMTP, PPP, SNTIP, TELNET protocol.  
Connect using 10/100Mbps Ethernet, Modem dial-up or a phone.  
Safe power up, down or rebooting from any land or cell phone.  
Individually control each of the eight AC receptacles  
Anywhere in the world using standard Web Browser.  
Remote and individually reboots locked up servers.  
Sequentially apply power to equipment connected.  
Customized TRAP & E-mail notification to Receive daily/event alerts.  
Remote setup support via IP remotely through telnet commands.  
Daisy-Chain up to 16 units to control a total of 128 devices.  
Environmental Monitoring capabilities (Humidity, Temperature, Smoke, Motion, etc) with NetFeeler Lite (optional add-on)



Type	Code
Master	PSNM
Slave	PSNS



### POWERSHIELD AUTOMATIC TRANSFER MAINS POWER SWITCH

The PowerShield Automatic Transfer Switch (ATS) is designed with two independent power inlets to supply power to the load from a primary or secondary power source. Should the primary power source fail, the secondary will automatically supply power to the connected equipment. The transfer time from one power source to the other is seamless to the connected equipment. After switching to a secondary power source, the ATS can also switch power back to the primary input when power to the primary input is restored. The PowerShield ATS is designed to provide redundancy using a "break before make" technology. This means that in the event of a short-circuit on one of the power sources, the fault will not be able to affect the alternative power source. This switch ensures that power is transferred from one source or the other, never an overlap that may affect reliability. In the unlikely event of a fault in the ATS power supply, the ATS continues to supply from the remaining available source.

Critical load (server) has reliability of two independent power sources  
Ideal for ensuring reliable power to critical devices  
User selectable power source from front panel  
Dual power supply for redundancy  
Provides seamless power switch for IT equipment  
Highly reliable 19" (1RU) rack design  
Built-in USB and RS232  
AS400 dry contacts included  
SNMP remote monitoring option available  
Two year warranty



Code
PSATS3K



### POWERSHIELD PDU DISTRIBUTION POWER RAILS

#### POWER DISTRIBUTION UNITS

Expands outlets from UPS in the Rack.  
Metal encased durable construction.  
Inbuilt 10A Resettable thermal fuse.  
6 Way 1RU. 10 Way 2RU. Horizontal.  
10A Mains plug in a 2M lead.  
All AC Sockets 10A GPO.

Type	6 Way	10 Way
Code	PDU6WAY	PDU10WAY



### POWERSHIELD PDU DISTRIBUTION POWER RAILS

#### RACK MOUNT UPS DISTRIBUTION

AC Sockets and IEC Sockets (at rear). Thermal resettable 10A Fuse.  
1140J surge protection circuit. Illuminated power switch. Status LEDs.  
10A mains plug on a 2M lead.

Type	Code
IECx4 ACSx7	PDUH74
IECx8 ACSx14	PDUHV148







## UPS POWERSHIELD

### AUSTRALIAN DESIGNED FOR AUSTRALIAN CONDITIONS

A key challenge in the 21st century is the distribution and conservation of power. A challenge brought on by the increasing electrical requirements of sophisticated systems as those used in data centres, security, telecommunications, your business. This increasing demand puts undue strain on the electrical grid to maintain supply. This can lead to surges and spikes on the line, brownouts, power sags, line noise, harmonic distortions, frequency drift and even total power failure. Such problems can prove to be debilitating to businesses. PowerShield is the Australian company which understands Australia's power problems and has been instrumental in solving them for thousands of businesses since its inception in the year 2000.



Model	Feature	Capacity	Power	Time	Battery	Switch	Size	Weight	Code
VoltGuard	Voltage Regulator AVR	1500VA	750W	N/A	N/A	N/A	180x95x119mm	2.0Kg	PSVG1500
SafeGuard	Line Interactive AVR	750VA	450W	2.5min/450W	12V 9AH	6ms	200x290x90mm	7.0Kg	PSG750
Defender	Line Interactive AVR	650VA	390W	6min/200W	12V 9AH	2-6ms	328x100x145mm	5.2kg	PSD650
Defender	Line Interactive AVR	1200VA	720W	13min/360W	12V 7AH x2	2-6ms	400x145x205mm	11.1Kg	PSD1200
Defender	Line Interactive AVR	1600VA	960W	10min/480W	12V 9AH x2	2-6ms	400x145x205mm	11.5Kg	PSD1600
Commander	Pure Sine wave AVR	1000VA	600W	14min/300W	12V 7.2AH x2	3ms	380x200x180mm	16Kg	PSC1000
Commander	Pure Sine wave AVR	2000VA	1200W	14min/600W	12V 7.2AH x4	3ms	510x200x180mm	26Kg	PSC2000
Commander RT	Pure Sine wave AVR	1100VA	880W	15min/400W	12V 9AH x2	2-6ms	380x438x88mm	16Kg	PSCRT1100
Commander RT	Pure Sine wave AVR	2000VA	1600W	17min/800W	12V 9AH x4	2-6ms	380x438x88mm	25Kg	PSCRT2000
Commander RT	Pure Sine wave AVR	3000VA	2400W	16min/1200W	12V 9AH x6	2-6ms	600x438x88mm	35Kg	PSCRT3000
Centurion	Double Conversion	1000VA	800W	25min/400W	12V 9AH x3	4ms	396x145x240mm	14Kg	PSCE1000
Centurion	Double Conversion	2000VA	1600W	25min/800W	12V 9AH x6	4ms	425x190x335mm	26Kg	PSCE2000
Centurion	Double Conversion	3000VA	2400W	16min/1200W	12V 9AH x6	4ms	425x190x335mm	28Kg	PSCE3000
Centurion	Double Conversion	6000VA	4800W	35min/2400W	12V 9AH x20	4ms	575x250x577mm	90Kg	PSCE6000
Centurion	Double Conversion	10,000VA	8000W	16min/4000W	12V 9AH x20	4ms	575x250x577mm	93Kg	PSCE10K
Centurion Rack	Double Conversion	6000VA	4800W	35min/2400W	12V 9AH x20(e)	4ms	580x438x133mm	65Kg	PSCER6000
Centurion Rack	Double Conversion	10,000VA	8000W	16min/4000W	12V 9AH x20(e)	4ms	668x438x133mm	65Kg	PSCER10K
Centurion RT	Double Conversion	1000VA	900W	15min/450W	12V 9AH x3	4ms	480x438x88mm	10Kg	PSCERT1000
Centurion RT	Double Conversion	1000VA	900W	*	Nil	4ms	480x438x88mm	7Kg	PSCERT1000L
Centurion RT	Double Conversion	2000VA	1800W	17min/800W	12V 9AH x4	4ms	600x438x88mm	14Kg	PSCERT2000
Centurion RT	Double Conversion	2000VA	1800W	*	Nil	4ms	600x438x88mm	8Kg	PSCERT2000L
Centurion RT	Double Conversion	3000VA	2700W	16min/1200W	12V 9AH x6	4ms	600x438x88mm	28Kg	PSCERT3000
Centurion RT	Double Conversion	3000VA	2700W	*	Nil	4ms	600x438x88mm	14Kg	PSCERT3000L

www.powershield.com.au

## POWERSHIELD VOLTGUARD

### AVR - PROTECTS FROM BROWNOUTS AND OVER VOLTAGE

The PowerShield VoltGuard AVR will automatically maintain a constant voltage level to protect sensitive electronics from brownouts and over voltages. This cost effective compact device will provide a constantly regulated output voltage ensuring that your sensitive electronic equipment is always receiving voltage within an acceptable range. Furthermore, this VoltGuard also has included as standard, over voltage and under voltage protection which will turn off the supply to your equipment when the utility voltage moves out of the safe range. The VoltGuard also provides surge protection to protect against transients. Ideal for office equipment, PCs, home theatre and other valuable, voltage sensitive electronics.

- Very wide input voltage range
- Excellent output voltage stability
- Includes surge and spike suppression
- Extremely fast response
- Provides over-voltage & under-voltage protection
- Provides over-temperature and overload protection
- Stylish enclosure with Australian outlet sockets

Model	VoltGuard
Power	750W
Size	180x95x119mm
Weight	2.0Kg
Code	PSVG1500



## UPS SAFEGUARD

### AUTO VOLTAGE REGULATION WITH BATTERY BACKUP

Provides a buffer between your equipment and inconsistent mains. This cost effective, compact device constantly stands guard beside your sensitive equipment. AVR (Automatic Voltage Regulation). Anytime a power fluctuation occurs, this UPS will buck or boost the power within a ten percent variance of 240Vac. Provides three outlets of surge suppressed battery backup to keep essential systems running through power outages. It also provides three surge protected sockets for non-essential equipment. User-replaceable batteries.

- Automatic Voltage Regulation (Buck and Boost)
- Light-weight compact and elegantly designed
- Intelligent microprocessor control
- Monitoring and shutdown software included
- Fax/modem/LAN surge suppression port
- Overload protection and alarm
- Output short circuit protection
- Start on battery function (cold start)
- Easy user replaceable battery
- Australian/New Zealand approved sockets
- Fast charging - 90% in 4 hours
- USB communication
- Wall mountable

Model	SafeGuard
Capacity	750VA
Power	450W
Time	2.5min/450W
Battery	12V 9AH
Switch	6ms
Size	200x290x90mm
Weight	7.0Kg
Code	PSG750







## UPS DEFENDER

### AVR - LINE INTERACTIVE

The Defender range uses Automatic Voltage Regulation (AVR) to minimise the effects of fluctuations in input voltage protecting your valuable equipment from power line disturbances. LCD display, user replaceable batteries and six AC sockets makes the Defender the complete package at this level.

Excellent microprocessor control guarantees high reliability  
 Australian outlets for UPS and Surge protection (x3)  
 Australian outlets for Surge protection (x3)  
 Boost and buck AVR for voltage stabilization  
 User replaceable batteries  
 Silent Operation (No fans included)  
 Auto restart while AC is recovering  
 Off-mode charging and Cold start function  
 USB communication with sophisticated NetGuard® software

Model	Defender	Defender	Defender
Capacity	650VA	1200VA	1600VA
Power	390W	720W	960W
Time	6min/200W	13min/360W	10min/480W
Battery	12V 9AH	12V 7AH x2	12V 9AH x2
Switch	2-6ms	2-6ms	2-6ms
Size	328x100x145mm	400x145x205mm	400x145x205mm
Weight	5.2kg	11.1Kg	11.5Kg
Code	PSD650	PSD1200	PSD1600



## UPS COMMANDER

### AVR - LINE INTERACTIVE WITH PURE SINE WAVE

The Commander protects your equipment against power failures, power sags, power surges, under voltage and over voltage that can harm your equipment or result in corrupted data. The pure sine wave output on battery backup is best for server and motor applications. The Commander offers features needed for cost effective network protection and comes with the proven reliability users have come to expect from PowerShield. As well as a reliable shutdown solution, the Commander extends runtime capacity, has enhanced connectivity options to manage as well as monitor the UPS remotely via SNMP. 1558 joules and 40,000 Amp surge protection. The narrow output voltage variance of 5% ensures that sensitive equipment is subjected to only small voltage inconsistencies. The LCD display gives the user the ability to see voltages in/out, frequency in/out as well as temperature, load and battery voltage. In addition, these UPSs have Real Time Battery Management which tells how many minutes backup the user has when the power goes off. This is calculated by battery voltage, temperature and load conditions.

Works for gates, camera surveillance, computers, telephone systems, servers, and other sensitive electronic equipment.

Best specifications in its class

Intelligent real time battery backup display

Smart 5% AVR with 2 step buck and boost

Intelligent double stage charger control

Generator compatible

Highest Joule Rating – 1558 Joules of surge protection

Model	Commander	Commander
Capacity	1000VA	2000VA
Power	600W	1200W
Time	14min/300W	14min/600W
Battery	12V 7.2AH x2	12V 7.2AH x4
Switch	3ms	3ms
Size	380x200x180mm	510x200x180mm
Weight	16Kg	26Kg
Code	PSC1000	PSC2000

### SNMP ADD-ON SOLUTIONS

Communications and control over IP. External version includes local temperature/humidity sensors.

Type	Internal SNMP Card	External SNMP
Code	PSCSNMP	PSCSNMPEE







## UPS COMMANDER RT

### AVR - LINE INTERACTIVE PURE SINE WAVE WITH BATTERIES

With pure sine wave output, the Commander Rack mount Tower guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications. The ECO mode function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems. To provide longer backup time the 2kVA and 3kVA models are expandable to include an additional battery bank. Multiple communication available; USB, RS232, SNMP (Optional). Control software included.

Pure sine wave output  
Built-in boost and buck AVR  
Output power factor 0.8  
Programmable power management outlets  
ECO mode operation for energy saving (ECO)  
Emergency Power Off Function (EPO)  
Hot-swappable battery design  
Long-run models / battery extenders available  
Rack Mount or Tower free standing



Model	Commander RT	Commander RT	Commander RT
Capacity	1100VA	2000VA	3000VA
Power	880W	1600W	2400W
Time	15min/400W	17min/800W	16min/1200W
Battery	12V 9AH x2	12V 9AH x4	12V 9AH x6
Switch	2-6ms	2-6ms	2-6ms
Size	380x438x88mm	380x438x88mm	600x438x88mm
Weight	16Kg	25Kg	35Kg
Code	PSCRT1100	PSCRT2000	PSCRT3000



PSCRT3000



PSCRT800/1100/2000



### ACCESSORIES

Description	Code
Telescopic Rail Mounting Kit	PSRAIL
Internal SNMP Comms Card	PSCESNMP
External SNMP Module	PSCESNMPEE
8x Battery Bank Suits PSCRT1000	PSRTBB8
12x Battery Bank PSCRT2000/3000	PSRTBB12

## UPS CENTURION

### DOUBLE-CONVERSION TYPE WITH BATTERIES

As a True Online Double-conversion UPS, the UPS takes the AC signal, converts it to DC and then back to AC, thus eliminating any noise or electrical interference and delivering perfect 240Vac and 50Hz frequency to all equipment and will continue to feed in the case of a mains failure. Programmable sockets on the back so that the user may get more backup on more critical equipment.

True Online Double Conversion  
Wide input voltage range (110-300 VAC)  
Input power factor correction 0.98  
50Hz/60Hz frequency converter mode  
Programmable power outlets  
Emergency power off function (EPO)  
Optional Eco-mode operation for energy saving  
Generator compatible  
Backup time extended by simply plugging additional battery banks  
Battery banks are with internal charger  
USB, RS232, SNMP and AS400 multiple communications available  
N+X parallel redundancy available for 6K/10K models  
Monitoring and Shutdown Software included



Model	Centurion	Centurion	Centurion	Centurion	Centurion
Capacity	1000VA	2000VA	3000VA	6000VA	10,000VA
Power	800W	1600W	2400W	4800W	8000W
Time	25min/400W	25min/800W	16min/1200W	35min/2400W	16min/4000W
Battery	12V 9AH x3	12V 9AH x6	12V 9AH x6	12V 9AH x20	12V 9AH x20
Switch	4ms	4ms	4ms	4ms	4ms
Size	396x145x240mm	425x190x335mm	425x190x335mm	575x250x577mm	575x250x577mm
Weight	14Kg	26Kg	28Kg	90Kg	93Kg
Code	PSCE1000	PSCE2000	PSCE3000	PSCE6000	PSCE10K



### BATTERY BANK EXTENDERS

Battery	Size	Weight	Suits	Code
6x 9AH	397x145x220mm	21Kg	PSCE1000	PSCEBB6
12x 9AH	421x190x318mm	42Kg	PSCE2000 PSCE3000	PSCEBB12
18x 9AH	534x190x318mm	62Kg	PSCE2000 PSCE3000	PSCEBB18CH
40x 9AH	592x285x576mm	125Kg	PSCE6000 PSCE10K	PSCEBB40
60x 9AH	830x250x576mm	204Kg	PSCE6000 PSCE10K	PSCEBB60CH



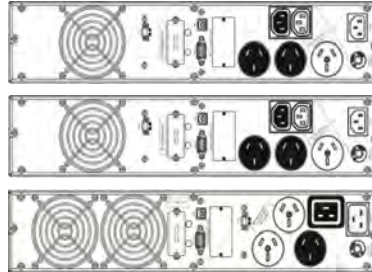


## UPS CENTURION RT

### DOUBLE-CONVERSION TYPE - SEPARATE BATTERY BANK REQUIRED

As a True Online Double-conversion UPS, the UPS takes the AC signal, converts it to DC and then back to AC, thus eliminating any noise or electrical interference and delivering perfect 240Vac and 50Hz frequency to all equipment and will continue to feed in the case of a mains failure. Programmable sockets on the back so that the user may get extended backup on critical equipment. The optional "L" version is for "Long Run" has no internal batteries and instead has an increased power charger for up to 10 external Battery Banks.

True double-conversion  
Output power factor 0.9  
User-friendly and easy-shift LCD display  
Rack or Tower design  
ECO and advanced ECO mode for energy saving  
Output voltage regulation  $\pm 1\%$   
Generator compatible  
Programmable power management outlets  
Emergency Power Off function (EPO)  
Hot swappable battery design  
Available in 1000, 2000 and 3000 VA models  
Ideal for medium density power protection  
USB, RS232, SNMP and AS400 multiple comms'



Model	Centurion RT	Centurion RT	Centurion RT	Centurion RT	Centurion RT	Centurion RT
Capacity	1000VA	1000VA	2000VA	2000VA	3000VA	3000VA
Power	900W	900W	1800W	1800W	2700W	2700W
Time	*	15min/450W	*	17min/800W	*	16min/1200W
Battery	Nil	12V 9AH x3	Nil	12V 9AH x4	Nil	12V 9AH x6
Switch	4ms	4ms	4ms	4ms	4ms	4ms
Size	480x438x88mm	480x438x88mm	600x438x88mm	600x438x88mm	600x438x88mm	600x438x88mm
Weight	7Kg	10Kg	8Kg	14Kg	14Kg	28Kg
Code	PSCERT1000L	PSCERT1000	PSCERT2000L	PSCERT2000	PSCERT3000L	PSCERT3000

[L] Versions require at least one external battery bank.

### ACCESSORIES

Details	Code
Telescopic Rail Mounting Kit	PSRAIL
Internal SNMP Comms Card	PSCSNMP
External SNMP Module	PSCSNMPEE

### BATTERY BANKS

The standard Centurion RT can extend to one or two external battery banks. The Long-Run (L) versions require at least one external battery bank and can charge up to ten in total for maximising load times.

Details	Code
6x Battery Bank PSCERT1000	PSRTBB6
12x Battery Bank PSCERT2000 or PSCERT3000	PSRTBB12

## UPS CENTURION RACK

### DOUBLE-CONVERSION TYPE WITH BATTERIES

As a True Online Double-conversion UPS, the UPS takes the AC signal, converts it to DC and then back to AC, thus eliminating any noise or electrical interference and delivering perfect 240Vac and 50Hz frequency to all equipment and will continue to feed in the case of a mains failure. Programmable sockets on the back so that the user may get more backup on more critical equipment.

True Online Double Conversion  
Wide input voltage range (110-300 VAC)  
Input power factor correction 0.98  
50Hz/60Hz frequency converter mode  
Programmable power outlets  
Emergency power off function & Eco-mode for energy saving  
Generator compatible  
Backup time extended by plugging additional battery banks  
Charger capacity expansion to 8A for long-run models  
USB + RS232 + SNMP\* + AS400\* communications (\*Optional)  
N+X parallel redundancy available for 6K/10K models

Model	Centurion Rack	Centurion Rack
Capacity	6000VA	10,000VA
Power	4800W	8000W
Time	35min/2400W	16min/4000W
Battery	12V 9AH x20(e)	12V 9AH x20(e)
Switch	4ms	4ms
Size	580x438x133mm	668x438x133mm
Weight	65Kg	65Kg
Code	PSCER6000	PSCER10K

### ACCESSORIES

Description	Code
Telescopic Rail Mounting Kit	PSRAIL
PSCER6000/10K Batt. (x20) Ext.	PSCERBB20
Internal SNMP Comms Card	PSCSNMP
External SNMP Module	PSCSNMPEE





## UPS Powerware Eaton

### EATON 3S UPS POWER BOARD

#### COMPACT FOR HOME AND OFFICE SOLUTION 550VA - 700VA

The Eaton 3S offers affordable and reliable UPS protection against the most common power quality problems for office and home computers. In the event of a power outage, the unit can provide sufficient battery backup time for you to backup your important data and shut down safely. HID-compliant USB port for automatic integration with most common operating systems to shut down the PC automatically if you are absent. This UPS is compatible with Windows®, Linux, Mac® OSX. As a bonus feature, Eaton helps save you power by automatically switching off slave sockets (eg. a printer or other peripheral) when a device in the Master socket is switched off (eg. your computer).

Attractive compact powerboard design makes the 3S a perfect fit for the office or home environment, under the desk or on the wall. The 3S comes with a 10A thermal fuse protected 240Vac input and 6x standard AC power outlets for easy connection of typical computer configurations with peripherals, etc.

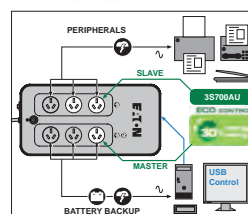
HID-compliant USB port (cable supplied), for automatic integration with common operating systems (Windows®/Mac® OS/Linux) RJ45 In/out line for protection from "back door" power surges 3 Outlets with SP & battery backup. 3 Outlets with surge protection. 1 Master & 2 slave sockets for bonus EcoControl feature (3S700AU) Easy-to-replace battery helps to extend UPS service life

Power	Watt	50% Load	70% Load	Size	Weight	Feature	Code
500VA	330W	8 min	6 min	86x170x335mm	2.9Kg	-	3S550AU
750VA	420W	9 min	6 min	86x170x335mm	3.8Kg	EcoControl	3S700AU



**EATON**  
Powering Business Worldwide

**ECO CONTROL**  
up to 30% energy saving



### EATON 5S UPS COMPACT

#### AFFORDABLE POWER PROTECTION FOR WORKSTATIONS AND OTHER ELECTRICAL EQUIPMENT 550VA - 1600VA

The Eaton 5S UPS provides cost-effective line-interactive backup power and voltage regulation for small and medium businesses with workstations, desktop PCs, telephone equipment and POS applications. With a compact form factor, the 5S UPS can physically fit most situations. Regular automatic battery checks assures confidence in future operation. The Eaton 5S UPS provides effective power protection even in disturbed electrical environments. Voltage fluctuations are automatically corrected using an AVR device with booster/fader control. The S5 not only provides a supply with battery backup to keep equipment operating during power cuts, but also provides effective protection against rapid spikes, damaging surges and brown-out voltage drops. Inbuilt RJ45 surge arrester for phone or internet/ethernet protection. Optional LCD display. Optional Eco-Control feature.

Software Power Management: Ensure safe system shutdown with the Eaton UPS Companion software for when you are absent (Windows®, Macintosh® and Linux compatible) Convenient form factor: Fit the 5S easily into tight spaces with its compact size. Use as a tower or as a desktop monitor stand Provide surge protection for network, phone, etc. (RJ45) Battery health check: Schedule daily, weekly or monthly health checks to verify battery performance and ensure that it delivers power during the next outage for your personal assurance LCD display: UPS status information including battery time and outage tracking (Models 5S1200AU & 5S1600AU Only) Eco-Control: Save up to 30 percent on energy consumption. Shuts down peripherals when the computer is turned off. Feature is menu selectable. 5S1200AU & 5S1600AU Only 3 AC Outlets for Battery backup. 1 AC Outlet not backup All outlets are surge protected. 10A Thermal resettable fuse Easy-to-replace battery helps to extend UPS service life



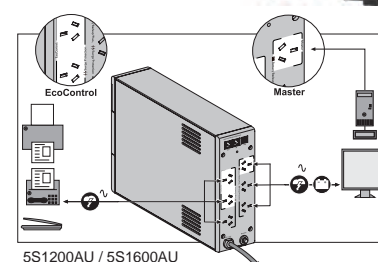
**EATON**  
Powering Business Worldwide

**5S1200AU**  
**5S1600AU**  
**ECO CONTROL**  
up to 30% energy saving

AVR  
88.8  
% Min  
Hz  
kVA  
kW

BATTERY ACCESS

Power	Watt	50% Load	70% Load	Display	Feature	Size	Weight	Code
550VA	330W	10 min	6 min	Power LED	-	250x87x260mm	4.96kg	5S550AU
700VA	420W	9 min	5 min	Power LED	-	250x87x260mm	5.98kg	5S700AU
1200VA	750W	14 min	8 min	LCD	EcoControl	250x87x382mm	9.48kg	5S1200AU
1600VA	1000W	11 min	8 min	LCD	EcoControl	250x87x382mm	11.08Kg	5S1600AU





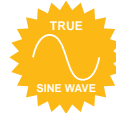


## EATON 5SC UPS PRO GRADE

### AFFORDABLE AND RELIABLE SOLUTIONS FOR SERVER PROTECTION 500VA - 1500VA

Eaton 5SC UPS provides line-interactive, affordable and reliable protection for small business servers. It includes an LCD interface for real-time status and measurements, and provides sinewave output for compatibility with today's most sensitive IT equipment.

LCD interface shows clearly key status information  
 AVR: Automatic Voltage Regulation with Booster & Fader  
 Pure Sinewave output in battery mode for clean AC supply (compatible with modern Server power supply, Active PFC)  
 Adjustable input waveform sensitivity to adapt the UPS to a specific environment (like Genset, Power Generator)  
 Multiple parameters adjustable directly via menu LCD and more through the included Eaton power control software (overload alarm, energy saving, restart battery level, etc.)  
 1 Serial port + 1 USB port (HID compliant) for automatic integration into major OS (Windows®/MacOS®/Linux)  
 Reliable, long-lasting UPS with patented Advanced Battery Management (ABM®) technology that only recharges the battery when necessary, service life is prolonged by up to 50%  
 Replaceable battery from front panel for rapid maintenance  
 Eaton Intelligent Power Protector (IPP) delivered as standard, can be used as point to point power management (USB/Serial) or Network based using IPP as a proxy.  
 Small size (mini-tower) for easy integration even with space constraints (kiosks, ATM, ticket machines, etc.)



Power	Watt	50% Load	70% Load	Input	Outlet	Size	Weight	Code
500VA	350W	13 min	9 min	1xC14	4xC13	150x240x210mm	6.6kg	5SC500I
750VA	525W	13 min	9 min	1xC14	6xC13	150x340x210mm	10.4kg	5SC750I
1000VA	700W	13 min	9 min	1xC14	8xC13	150x340x210mm	11.1kg	5SC1000I
1500VA	1050W	13 min	9 min	1xC14	8xC13	150x410x210mm	15.2kg	5SC1500I



REPLACEABLE BATTERY

## EATON 5P UPS RACKMOUNT 1RU

### ADVANCED POWER MANAGEMENT & PROTECTION FOR SERVERS AND NETWORK EQUIPMENT 850VA - 1150VA

The Eaton 5P is a Line interactive, density optimised power protection for the IT & Telecom environment. Advanced power management capabilities offering point-to-point and remote network supervision.

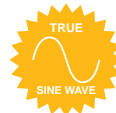
The graphical LCD display provides clear information on the UPS's status and measurements on a single screen (in seven languages). Enhanced configuration capabilities are also available with easy-to-use navigation keys.  
 Meters energy consumption and provides kWh values through the LCD and Intelligent Power® Software.

Load segment control enables prioritised shutdowns of nonessential equipment to maximise battery runtime for critical devices. Load segment control can also be used to remotely reboot locked-up network equipment or to manage scheduled shutdowns and sequential start-ups.

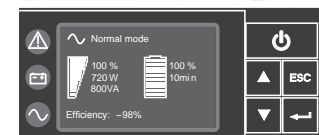
The 5P offers Serial and USB connectivity, plus an extra slot for an optional communication card (including SNMP/Web card or relay contact card).  
 Eaton's Intelligent Power® Software Suite compatible with all major OS including virtualisation software such as VMware and Hyper-V is included with each UPS.  
 With an optimised electrical design, the 5P can provide up to 98% efficiency, contributing to lower cooling and utility costs, prolonging service life reliability.  
 When operating in battery mode the 5P provides a high quality output pure sinewave for sensitive equipment, such as active PFC (power factor corrected) servers  
 1RU Rack mount form factor with front battery access for easy maintenance  
 Batteries can be hot-swapped without having to shut down connected equipment  
 Eaton ABM® battery management technology uses an innovative three-stage charging technique that only recharges the battery when necessary, so the battery experiences less corrosion and service life is prolonged by up to 50%  
 Two (or three) Battery Backup protected IEC Outlets  
 Two (or three) APM remotely switchable IEC Outlets



REPLACEABLE BATTERY



Outlet	Code
4x C13	5P850IR
6x C13	5P1150IR
6x C13	5P1550IR







## □ Delta UPS

### VX SERIES SINGLE PHASE LINE INTERACTIVE UPS TOWER

The VX series line-interactive UPS designed with microprocessor control offers reliable and cost-effective power protection for PCs, laptops, POS, and other sensitive electronics used in home offices and small businesses. The integrated Automatic Voltage Regulation (AVR) ensures all electronics are receiving stable power while providing higher availability. It also includes a LED display, auto-shutdown software and other superior features to make these units perfect for your data protection.

- The integrated AVR (Automatic Voltage Regulation) stabilizes the output voltage for better power quality.
- Excellent microprocessor control enables accurate detection of power frequency for higher reliability.
- Wide input voltage range allows the UPS to work in harsh electrical environments and reduces battery discharging time.
- Batteries are automatically recharged even when the UPS is in off mode
- The UPS can start without mains (Cold-Start).
- UPS is able to restart automatically while utility power is recovering.
- Surge protection defends your critical load against damage.
- 4x standard IEC C13 output sockets simplify the connectivity to computer and IT.
- 1x Standard USB communication port enhances monitoring and manageability.
- Advanced UPS management software provides remote shutdown and control.
- Compact size saves more space for critical equipment.
- LED screen for a clear display of UPS information.



DUPA601

DUA102/ 152



DUPA601

DUA102

DUA152

Description	Capacity	Power	Time	Battery	Size	Weight	Code
Line interactive 600VA/360W UPS tower	600VA	360W	5min (Half load), 1 second (Full load)	12V7Ah x1	101x279x142mm	4.2kg	DUPA601
Line interactive 1000VA/600W UPS tower	1000VA	600W	5min (Half load), 30 seconds (Full load)	12V7Ah x2	130x320x182mm	8.2kg	DUA102
Line interactive 1500VA/900W UPS tower	1500VA	900W	5min (Half load), 50 seconds (Full load)	12V7Ah x2	130x320x182mm	9.7kg	DUA152

### N SERIES SINGLE PHASE ONLINE UPS TOWER

The Amplon N series is a true on-line, double-conversion UPS housed in a compact tower. It is designed to eliminate disturbances and supply superior power quality to workstations, POSs, ATMs or home appliances. The Amplon N series has inbuilt batteries to provide continuous and stable power to critical loads when power events occur. For longer backup time requirements you can add an external battery pack to enhance availability.

- Double-conversion technology provides 24/7 full-time protection
- Inbuilt batteries for basic runtime demand
- Battery-start capability without utility power
- Automatic bypass ensures continuous output power when fault occurs
- Automatic input frequency detection
- Optional external battery pack for longer backup time
- SNMP slot for mission critical applications
- RS232 port with power management software
- Wide input voltage range reduces battery discharging occurrence and prolongs battery lifetime
- Intelligent management prevents battery from over-discharge
- Standard IEC C13 output sockets to connect to computer and IT peripherals (4x for 1kVA model, 8x for 2kVA and 3kVA model)



DGES102

DGES202/302

Capacity	Power	Time	Battery	Size	Weight	Code
1000VA	700W	14min (Half load), 5min (Full load)	12V7Ah x3	140x366x242mm	14kg	DGES102
2000VA	1400W	14min (Half load), 5min (Full load)	12V7Ah x6	140x425x373mm	30.5kg	DGES202
3000VA	2100W	14min (Half load), 5min (Full load)	12V7Ah x6	140x425x373mm	30.5kg	DGES302

### SNMP IPv6 CARD

#### SUITS N & M & RT SERIES

- 1x 10/100M RJ45 connector
- SNMP v1/v3 protocol support; accepts NMS monitoring as well as actively sends Trap packets to target hosts.
- Monitor and set up through network browser with built-in web server.
- Telnet, SSH, FTP, SFTP, BOOTP, DHCP, SMTP, SNTP and RADIUS, Syslog.
- Supports RFC1628 and custom defined UPS v4 MIB.
- Can set up UPS power on and off time.
- Battery discharge test to ensure the battery is in good condition.
- Size: 130x60mm



Code  
DSNMP





## M SERIES SINGLE PHASE LINE INTERACTIVE UPS RACK/TOWER

The Amplon M Series UPS is a single-phase line interactive UPS that provides sine-wave quality, flexibility and high availability to its users. The series is a popular choice as a server UPS for small and medium-sized businesses. With available power ratings of 1kVA, 1.5kVA, 2 kVA, and 3kVA, the Amplon M Series UPS is designed for a wide range of input voltages. At any size, the UPSs can be counted on to safeguard data from potential problems related to power, from brief blackouts to full power failures.



- 8x C13 outputs and 2kVA and 3kVA models also have 1x C19 output.
- >4 minutes (full load) and >10 minutes (half load).
- Hot swappable battery pack for easy maintenance.
- Automatic voltage regulator (AVR) delivers stable output voltage.
- Battery starts when utility power is not present.
- Self test for battery replacement warning.
- Rack or tower configuration in 2U size cabinet.
- Optional external battery pack (applicable for 3kVA model) for extendable backup time.
- Communication slot for various smart cards to support various applications.
- Intelligent management software connectivity via RS232 or USB port.
- High output power factor 0.9 provides more real power to critical loads.
- High efficiency online mode can reach at minimum 97% and 96% for 1/1.5kVA and 2/3kVA respectively supporting operating cost savings.
- Automatic fan-speed control function lowers noise and prolongs fan life under different operation modes with lower speed.



DGES102M/152M



DGES202M/302M

Capacity	Power	Time	Battery	Size	Weight	Code
1000VA	900W	10min (Half load), 4min (Full load)	12V7Ah x3pcs battery	440x429x88.5mm	18.5kg	DGES102M
1500VA	1350W	10min (Half load), 4min (Full load)	12V9Ah x3pcs battery	440x429x88.5mm	19.2kg	DGES152M
2000VA	1800W	10min (Half load), 4min (Full load)	12V7Ah x6pcs battery	440x608x88.5mm	33kg	DGES202M
3000VA	2700W	10min (Half load), 4min (Full load)	12V9Ah x6pcs battery	440x608x88.5mm	34.7kg	DGES302M

## RT SERIES SINGLE PHASE ONLINE UPS RACK/TOWER

The Amplon RT 1-3kVA series is an online double-conversion UPS providing consistent sine-wave power to your critical equipment. It supports personal computers, networks, servers, VoIP and telecommunications. The Amplon RT 1-3kVA series features an output power factor of 0.9 and best-in-class AC-AC efficiency up to 94% resulting in greater energy savings. Optional external battery pack can be connected for longer backup time to keep your applications safe and running smoothly at all times.



- True online double-conversion topology and zero transfer time to battery
- Watch-dog design of DSP (Digital Signal Processor) increases reliability.
- Cold-start capability provides temporary battery power when the utility power is out.
- Fan failure detection alerts users to failed fans.
- Hot swappable batteries ensure continuous operation when batteries are being replaced.
- Optional external battery pack for easy scaling of longer backup time.
- High output power factor 0.9 provides more real power to critical loads.
- High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 5%) save upstream investment.
- Up to 94% AC-AC efficiency and 97% efficiency in ECO mode result in marked energy cost savings.
- Wide input voltage range reduces the chance of using the battery and extends battery life.
- Intelligent battery management sustains battery life and performance.
- Fan speed control by load level maximizes efficiency and reduces audible noise.
- Load segment control allows less-critical loads to be disconnected during blackouts and saves battery runtime for important loads.
- Convertible rack and tower configuration in 2U size cabinet.
- Excellent local communications through rotatable LCD display.
- Intelligent management software connectivity via RS232 or USB port.



Capacity	Power	Time	Battery	Size	Weight	Code
1kV	0.9kW	12min (Half load), 6.5min (Full load)	2x 12V/9Ah VRLA	440x335x89mm	12kg	DUPS2R102
2kV	1.8kW	14min (Half load), 7.5min (Full load)	4x 12V/9Ah VRLA	440x432x89mm	18kg	DUPS2R202
3kV	2.7kW	14min (Half load), 7.5min (Full load)	6x 12V/9Ah VRLA	440x432x89mm	28kg	DUPS2R302

### ADDITIONAL 2U EXTERNAL BATTERY MODULE

This battery module is designed for use with Delta Amplon RT series UPS as an external battery for longer battery life. Includes housing with metal frame and plastic front panel and batteries.

Battery	Capacity	Size	Weight	Suit	Code
2x 12V/9Ah VRLA	1000VA	440x335x89mm	15kg	DUPS2R102	DGES022
4x 12V/9Ah VRLA	2000VA	440x432x89mm	27kg	DUPS2R202	DGES042
6x 12V/9Ah VRLA	3000VA	440x432x89mm	44kg	DUPS2R302	DGES062

### OPTIONAL UPS RACK SLIDING RAIL KIT

Delta UPS rack sliding rail kit for RT series Suitable for standard 19" server cabinet

Code  
DRAIL



### OPTIONAL SNMP IPV6 CARD

Code  
DSNMP







## Computer Power Supply

### ATX POWER SUPPLY 220W

#### 24/20 & 4 PIN ATX

8cm Fan ATX (IDE) 20/24 + 4 Pin, FD 4 pin, 4x SATA and 2x Molex power plugs. 150x85x140mm

#### 250W

Code  
CPS249ATX



### ATX HIGH POWER 500W

#### 500W STANDARD ATX V2.3

High-Power encased in the Standard ATX size 1x 12cm low-noise fan. 20 Pin +4, +4, Floppy, SATA x4, Molex x1. 150x87mm, 140mm deep.

Code  
CPS499ATX



### ATX HIGH POWER 550W

#### 550W DELUXE ATX 2.0

High-Power encased in the Standard ATX size 1x 12cm Temp Controlled Low noise cooling fan Standard ATX 12/5V x6 and the new SATA x1 20/24 Pin & P4 MB Plug

Code  
CPS550ATX



### ATX MEGA POWER 750W

#### LOW-NOISE ATX 2.2 DELUXE

80% High Efficiency Mega-Power Molex x5, SATA x5, ATX plus 2x 4pin and 6pin extenders, etc. 150x86x160/220mm 14cm Fan.

Power Code  
750W CPS750ATX



### SFX-ATX POWER SUPPLY

#### SFTX µATX PC 300W

Small form factor Suits microATX PCs Two 60mm fans. Super compact but high power package 20 & 4 Pin, 12/5V x5

Size Code  
125x100x55mm CPS300SFX



### COMPUTER POWER SWITCH - MOMENTARY

#### MAINBOARD CONNECTOR

Push-button switch that is momentary with a two wire connecting to the Mainboard for power On/Off command. Suits modern ATX. 8.5x8.5mm

Code  
SWP680



### POWER CHECK

#### PC ATX TESTER LED

20/24 Pin for checking mainboard power and also tests 5¼/3½" 4pin SATA, AGP sources too. LEDs indicate presence of 5V and 12V rails. Quick & convenient.

Code  
CPSTEST



### POWER MEASURE

#### PC ATX TESTER LCD

20/24 Pin for checking mainboard power and also tests 5¼/3½" 4pin SATA, AGP sources too. Comprehensive display ±5V ±12V1&2 5VSB 3.3V & P.G. (Power Good ms)

Code  
CPSTLCD



## Power Cables Internal

### ATX MAINBOARD POWER EXTENSION

#### 20 PIN PLUG/SOCKET

Male - Female 10cm Extension Ideal for making test jigs, etc.

Code  
WH-ATX1

#### 24 PIN PLUG/SOCKET

Male - Female 25cm Extension

Code  
CA314



### ATX 20/24 MAINBOARD POWER ADAPTOR

#### 20P-F TO 24P-M

ATX 20 Pin Female  
ATX 24 Pin Male

Code  
CA176

#### 24P-F TO 20P-M

Vice-Versa

Code  
CA178



### PC POWER TO P-4 ADAPTOR

#### PENTIUM ATX 4 PIN PLUG

Add an extra 4 Pin Pentium-4 connector  
Taps 4 Pin Molex (male-female)  
to 4 Pin Square Plug

Code  
CA312



### PCI-EXPRESS POWER CABLE 6-PIN

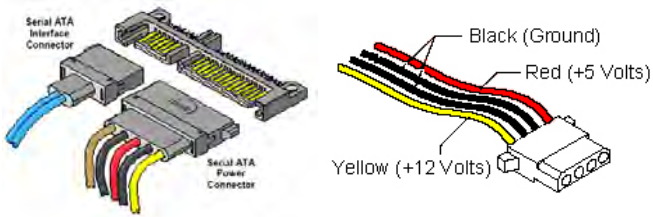
#### 20cm PCI-e

Expanded Molex 6P PCIe Board connector to Two Molex Sockets for extra power as required by some PCIe Video Cards, etc.

Code  
CA308







## SATA 15 POWER ADAPTOR

Plug A SATA 15 Cable Side w/ latch  
 Plug B SATA 15 Cable Side  
 Code CA323



## SATA 15 POWER ADAPTOR

Plug A SATA 15 Cable Side  
 Plug B SATA 15 Cable Side  
 Code CA315



## SATA 15 POWER ADAPTOR

Plug A SATA 15 Cable Side w/ latch  
 Plug B SATA 15 PCB Side  
 Code CA324



## SATA 15 POWER ADAPTOR

Plug A SATA 15 PCB Side  
 Plug B SATA 15 PCB Side  
 Code CA316



## SATA 15 TO MOLEX ADAPTOR

Plug A SATA 15 Cable Side w/ latch  
 Plug B Molex 4P Male  
 Code CA325



## SATA 15 POWER ADAPTOR

Plug A SATA 15 Cable Side  
 Plug B SATA 15 PCB Side  
 Code CA317



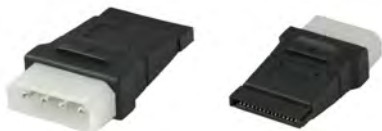
## SATA 15 MOLEX ADAPTOR

Plug A SATA 15 Cable Side w/ latch  
 Plug B Molex 4P Female  
 Code CA326



## SATA 15 TO MOLEX ADAPTOR

Plug A SATA 15 Cable Side  
 Plug B Molex 4P Male  
 Code CA318



## MOLEX POWER ADAPTOR

Plug A Molex 4P Female  
 Plug B Molex 4P Male  
 Code CA327



## SATA 15 TO MOLEX ADAPTOR

Plug A SATA 15 PCB Side  
 Plug B Molex 4P Male  
 Code CA320



## MOLEX POWER ADAPTOR

Plug A Molex 4P Female  
 Plug B Molex 4P Female  
 Code CA328



## SATA 15 POWER ADAPTOR

Plug A SATA 15 Cable Side w/ latch  
 Plug B SATA 15 Cable Side w/ latch  
 Code CA322



## MOLEX POWER ADAPTOR

Plug A Molex 4P Male  
 Plug B Molex 4P Female  
 Code CA329







## SATA POWER EXTENSION

Sata Power Extension Cable  
Male to Female 15cm

Code  
CA339



## SATA POWER SPLITTER

SATA 15 Pin PCB Side TO  
SATA 15 Pin Sockets x 2  
4 core power cables 15cm.  
Splits Power to Items.

Code  
CA338



## SATA POWER TO MOLEX

SATA 15 Pin PCB Side TO  
Molex Power Socket 4 Pin  
Adapts older (Molex 4 pin) items  
to SATA Power supplies.

Code  
CA337



## SATA POWER TO MOLEX

SATA 15 Pin PCB Side TO  
Molex Power 4 Pin Female  
and SATA 15 Pin Cable Side x2  
5 core power cables 15cm.  
(Grey lead is "Spin-up Activity")

Code  
CA332



## SATA POWER TO MOLEX

SATA 15 Pin PCB Side TO  
Three Molex Power Sockets  
Adapts older (Molex 4 pin) items  
to SATA Power supplies.

Code  
CA330



## MOLEX POWER TO SATA

Molex Power Male TO Female  
Plus SATA 15 Pin Cable Side  
4 core power cables 15cm.

Code  
CA333



## SATA POWER TO MOLEX

SATA 15 Pin PCB Side TO  
SATA 15 Pin Cable Side x3  
Plus Molex Power Female  
5 core power cable 15cm.

Code  
CA335



## MOLEX POWER TO SATA

Molex Power Plug 4 Pin TO  
SATA 15 Pin Cable Side.  
Adapts SATA Items to  
IDE Power.

Code  
CA305



## MOLEX POWER TO SATA

Molex Power Male TO  
SATA 15 Pin Cable Side X2  
4 core power cables 15cm.  
Splits power to 2x SATA items.

Code  
CA309



## SATA POWER CABLE

Split a standard Molex 4 pin  
power connector into two  
SATA power connectors.  
PC to 2x HDD  
0.5M.

Length Code  
0.5M CA311



## MOLEX POWER TO SATA

### WITH SATA DATA THROUGH

Molex Power 4 Pin Plug TO  
SATA 15 Pin Cable Side.  
With attached SATA Data cable.  
Connects SATA Items  
to PC with IDE power

Code  
CA306



## MOLEX POWER TO SATA RIGHT-ANGLE

### WITH SATA DATA THROUGH

Molex Power 4 Pin Plug TO  
SATA 15 Pin Cable Side.  
With attached SATA Data cable.  
Connects SATA Items  
to PC with IDE power

Code  
CA310







## MOLEX POWER CONNECTORS

### 4 PIN 5¼" POWER

Description	Code
Male (Pins Plug)	CA1022
Inline Crimp Plug	
PCB Mount Plug	CA1023
Female Inline Crimp	CA1024
Female Inline IDC	CA1025



## MOLEX POWER SPLITTER

Split PC power lead 5¼" Molex Male to 5¼" Molex Female x2

Code  
CA165



## MOLEX POWER SPLITTER WITH FLOPPY

Split PC power 5¼" Male to 5¼" Female x2 3½" Female x1 Length 24cm x3

Code  
CA168



## MOLEX POWER TO FLOPPY

3.5" Floppy Disk drive Power adaptor

Code  
CA167



## NOTEBOOK HD ADAPTOR

### 2.5" TO 3.5" IDE + POWER

2½" HDD (NoteBook) To a standard IDE40 with power socket. Allows you to put a Laptops disk drive Into a PC so as to do maintenance, etc.

Code  
CA169



## PATA TO SATA

### PATA-IDE MAINBOARD

Adapts an older PC Main-Board with IDE To the new Serial ATA Compact direct plug. Or inline adaptor. Note. Only one device per adaptor accepted.

Code  
SATA134

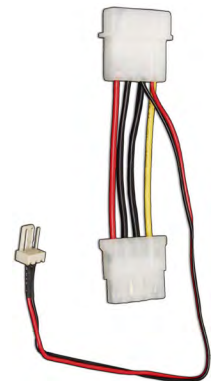


## PC FAN POWER TO MOLEX POWER ADAPTOR

Run a 3 Pin fan from Molex Power connectors instead of the 3 pin MainBoard connection. Now you can add as many fans as required!

Code  
CA303

Note: Pin 3 redundant



## PC FAN POWER SPLITTER

### 3 PIN Y ADAPTOR

Run two fans 1x Plug. 2x Sockets

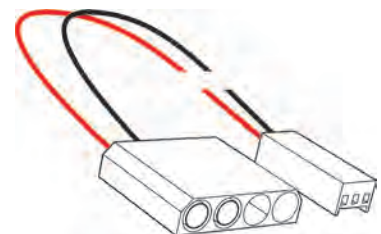
Code  
CA304



## PC FAN POWER TO MOLEX ADAPTOR

Run a Molex connector fan off the main board 3 Pin Voltage is 12Vdc (Not 5V)

Code  
CA300



## PCB JUMPERS

### SHUNT CONNECTORS

As used on Mainboards, HDD Master/Slave select and many other apps. Shorts out the pins Tenth of an inch

Pitch QTY Code  
2.54mm Bag of 10 ICP100







## □ Hard Drive Cables

## □ SAS

### SERIAL ATTACHED SCSI

**SAS** Point-To-Point Serial Protocol up to 6Gbit/s data transfer speed. SATA-II at 3Gbit/s may be connected to SAS backplanes (but SAS cannot be connected to SATA backplanes). Full-duplex with Link aggregation. Wide ports at 24Gbit/s [Multi-Lane]. SAS does not require any termination. UL2725 Red Flat Tinned Copper cables.



SFF-8484



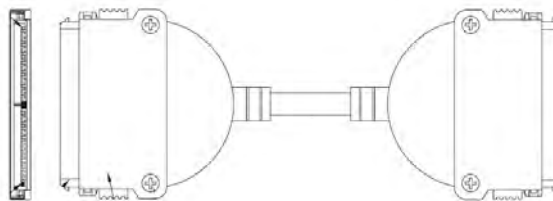
SFF-8482

### SAS 32P ROUND CABLE

#### SFF-8484 TO SFF-8484

Four Lane Transmit & Receive Round cable Black Double shielded [No side-band]

Length	Code
50cm	CL1021
100cm	CL1022



### SAS 32P FLAT CABLE BLUE

#### SFF-8484 TO SFF-8484 BLUE

All pins wired straight through 32 core Flat cable Deep-Blue coloured UL2725 26AWG SAS-32P SFF-8484 Plug to Plug Four-Lane w/ Side-Band

Length	Code
50cm	CL1023
100cm	CL1024

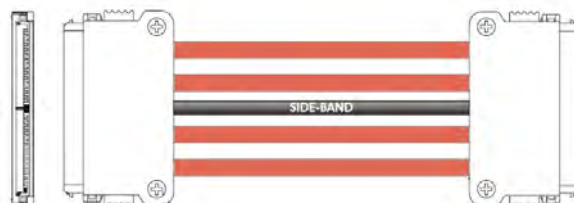


### SAS 32P TO SAS 32P

#### SFF-8484 W/ SIDE-BAND RED

Four UL2725 6-Core Red Flats One UL2464 6-Core Black Round SFF-8484 Plug to Plug Four-Lane w/ Side-Band

Length	Code
50cm	CL1025
100cm	CL1026



### SAS 32P TO SAS 32P

#### SFF-8484 RED

Four UL2725 6-Core Red Flats SFF-8484 Plug to Plug Four-Lane SAS/SATA [No Side Band]

Length	Code
50cm	CL1027
100cm	CL1028



### SAS 32P TO SATA 7P [X4]

#### SFF-8484 BREAK-OUT LEAD

Four SATA Drives to SAS Plug Four UL2725 6-Core Red Flats SFF-8484 SAS 32 Pin Plug to Four each of SATA 7-Pin Plugs \*SATA Drives can be connected to Serial Attached SCSI Backplanes

Length	Code
50cm	CL1029
100cm	CL1030





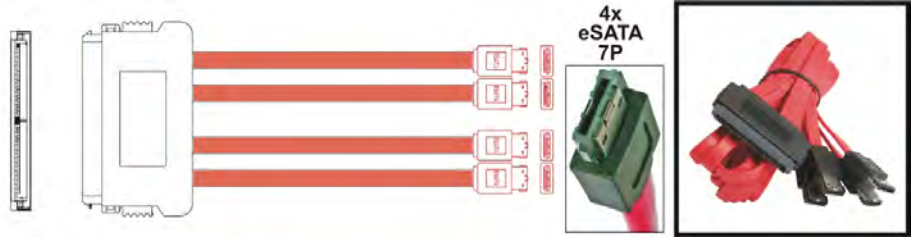


## SAS 32P TO eSATA [X4]

### EXTERNAL SATA BREAK-OUT

Four eSATA Drives to SAS 32P Four  
UL2725 6-Core Red Flats SFF-8484 SAS  
32 Pin Plug to Four each of eSATA 7-Pin  
Plugs SAS & SATA are hot-swappable

Length	Code
50cm	CL1031
100cm	CL1032

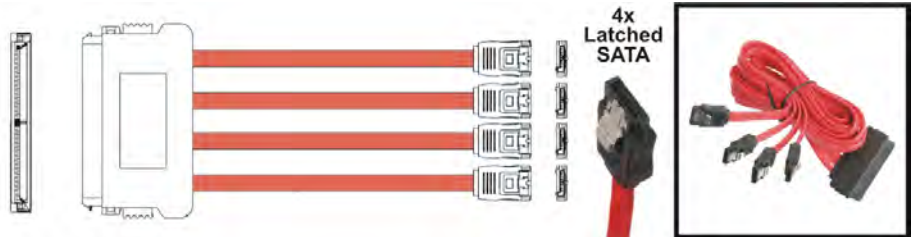


## SAS 32P TO SATA-LATCH [X4]

### SFF-8484 BREAK-OUT LEAD

Four SATA Drives to SAS Plug Four  
UL2725 6-Core Red Flats SFF-8484 SAS  
32 Pin Plug to Four SATA Latching Plugs

Length	Code
100cm	CL1034

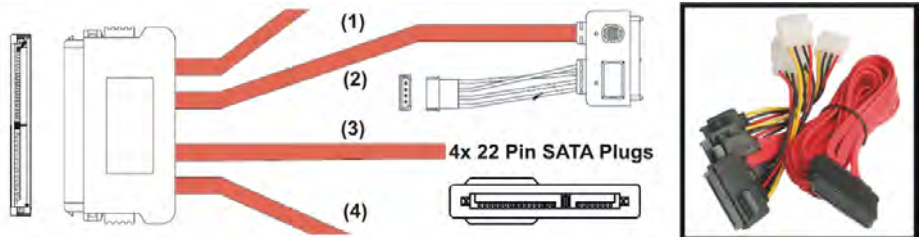


## SAS 32P TO SATA 22P [X4]

### SFF-8482 TO SATA+POWER

Single SFF-8482 plug Four-Lane SAS 32  
Pin UL2725 Flat Cable Red Four 29 Pin  
SATA Plugs Each with Molex Power

Length	Code
50cm	CL1039
100cm	CL1040

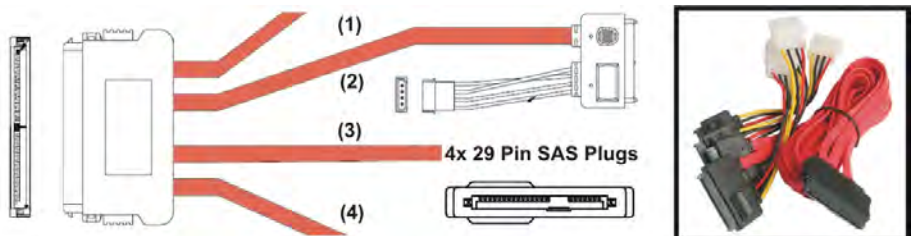


## SAS 32P TO SAS 29P [X4]

### SFF-8482 TO SFF-8470 [X4]

32 Pin SAS Drive Connector Four-Lane  
Distribution Solution Four UL2725 Flat  
Red Cables Four SATA 29 Pin Connectors  
With SATA Power To Molex 4 pin

Length	Code
50cm	CL1041
100cm	CL1042

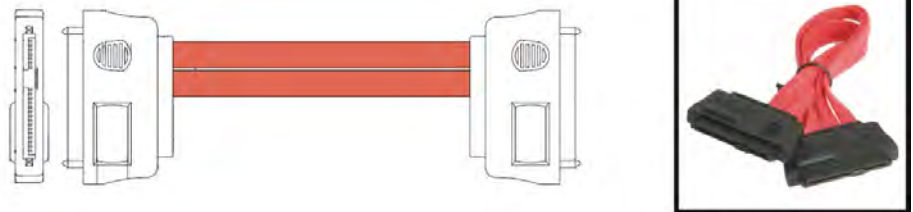


## SAS 29P TO SAS 29P

### SFF-8482 DRIVE CONNECTOR

29 Pin SAS Drive Connector Twin Lane  
Cable Solution Two UL2725 Flat Red Cables

Length	Code
50cm	CL1037
100cm	CL1038



## SAS 29P TO SATA 7P [X2]

### SFF-8482 DRIVE CONNECTOR

29 Pin SAS Drive Connector Twin Lane  
Cable Solution Two UL2725 Flat Red  
Cables SATA 7 Pin Connectors x2 plugs  
into controller, etc. With Power connector

Length	Code
50cm	CL1035
100cm	CL1036







## IDE

### IDE 40 PIN INTERCONNECT

#### 45CM RIBBON TO IDE

3x Connectors IDE 40 Pin Plugs

Code  
IDC306

#### ATA/ATAPI 100cm

6x Connectors

Code  
IDC610



### ULTRA-ATA IDE 40 PIN

#### 50cm RIBBON TYPE

3x Connectors 80 Wire  
Ribbon 40 Pin IDE plugs

Code  
CL568

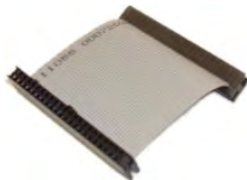


### LAPTOP 2.5" HDD CABLE

#### HDD INTERCONNECT

Short 4cm cable for 2.5"  
Laptop Hard Disk

Code  
IDC250



## Floppy Disk

### FLOPPY DISK ROUND CABLE

Floppy disk round cable,  
0.5M long. Keep your  
cabling neat.

Code  
IDC204



## PC Cards

### ULTRA ATA-133 PCI CONTROLLER

ATA133 Master/Slave Bus  
2x2 CH for total 4 items Auto  
BIOS setup Full 133M/Bs bus  
rate. Ultra ATA-33/66/100/133  
Includes 1 ATA-80 lead.

Type Code  
PCI PCI-100



### SATA CARD PCI

#### TWO INTERNAL S-ATA PORTS

266MBs/1.5Gbps  
S-ATA-150 RAID 0/1  
ROM BIOS Boot  
Includes one SATA lead

Type Code  
PCI SATA200



## eSATA

### eSATA EXIT BRACKET

#### PCI BRACKET EXTERNAL-SATA

Rear panel exit point for eSATA  
Internal connectors are SATA

#### SINGLE

Code  
CL974

#### DOUBLE

Code  
CL973



NOTE: eSATA physically differs to SATA.

### eSATA-eSATA CABLES

#### EXTERNAL-SATA

eSATA Plugs both ends  
Shielded 3.0 Gbps

Length	Code
50cm	CL975
100cm	CL976

NOTE: eSATA physically differs to SATA



### eSATA TO SATA CABLE

#### ADAPTOR CABLE

Male SATA "L" Plug to  
Male eSATA Plug  
3Gbps bandwidth

Length	Code
50cm	CL972



## SATA

### SATA INTERNAL CABLES

#### SATA TO SATA

Internal connection leads  
Full speed 3Gbps.

Length	Code
13cm*	*CL941
40cm	CL951
1M	CL970



\*CL941 has locking plugs

### SATA INTERNAL CABLES R/A

#### RIGHT ANGLE SATA

One end is R/A  
Length is 50cm

Type	Code
Down	CL971
Up	CL993



### SATA TO MOLEX ADAPTOR

#### WITH SATA DATA THROUGH

12V/5V Molex Socket to  
SATA 15 Pin Power Plug  
Suits Serial drives. 15cm.  
4 Wires + SATA Data  
cable too.

Code  
CA306



### SATA TO MOLEX ADAPTOR

#### WITH SATA DATA THROUGH

12V/5V Molex Socket to SATA  
15 Pin Power Plug.  
Suits Serial drives. 15cm.  
4 Wires + SATA Data cable too.

Code  
CA310







## Fans & Cooling

### Ceramica Fans

#### CERAMIC / BALL / SLEEVE BEARING FANS

Now there is a full range of DC fans using ceramic bearings.  
We also stock the popular alternatives for your consideration

##### BEARING TYPES

Each fan in stock is listed with its bearing type:

Cer. Ceramic	Ball Metal Ball Bearing	Slv. Sleeve CU-Sintered
High-Reliability	High-Reliability	Line contact sleeve
Low-Noise	Double Ball type	Low-Noise
Cost-Effective	Cost-Effective	Cost-Effective

#### 20mm / 25mm

##### 20mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	8mm	12V	0.72W	2x	11Krpm	1.0cfm	21dB	FAN200812

##### 25mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	10mm	12V	0.9W	3x	11Krpm	2.01cfm	25dB	FAN2510C12H
Ceramic	10mm	5V	0.9W	2x	11Krpm	2.01cfm	25dB	FAN2510C5H
Ceramic	10mm	5V	0.6W	2x	9Krpm	1.56cfm	24dB	FAN2510C5M

##### 30mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	7mm	12V	1.0W	3x	7500rpm	2.69cfm	20dB	FAN300722
Ceramic	10mm	5V	0.6W	3x	7000rpm	3.11cfm	24dB	FAN3010C5M
Ceramic	10mm	12V	1.0W	3x	7000rpm	3.11cfm	24dB	FAN3010C12M
Ceramic	15mm	5V	0.9W	3x	8000rpm	3.68cfm	24dB	FAN3015C5H
Ceramic	15mm	12V	1.7W	3x	7000rpm	5.29cfm	27dB	FAN3015C12M

CERAMICA DATA SHEETS AVAILABLE: [www.ceramicafans.com](http://www.ceramicafans.com)

3x wire include PCB plug.

##### 35mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	15mm	5V	1.4W	3x	8000rpm	7.60cfm	30dB	FAN3515C5HH



##### 40mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	7mm	12V	1.0W	2x	6000rpm	4.81cfm	24dB	FAN400722
Ceramic	10mm	5V	0.8W	3x	5500rpm	6.11cfm	28dB	FAN4010C5M-II
Ceramic	10mm	5V	1.5W	3x	6500rpm	5.80cfm	28.5dB	FAN4010C5H-I
Ceramic	10mm	5V	1.2W	3x	6500rpm	7.20cfm	33dB	FAN4010C5H-II
Ceramic	10mm	12V	1.4W	3x	7500rpm	7.20cfm	33dB	FAN4010C12H-II
Ceramic	10mm	12V	1.0W	3x	5500rpm	6.11cfm	28dB	FAN4010C12M-II
Ceramic	10mm	12V	1.44W	3x	6500rpm	7.20cfm	33dB	FAN4010C12H-IP54
Slv.	10mm	12V	1.0W	2x	5500rpm	6.11cfm	28dB	FAN401082
Ceramic	20mm	5V	0.6W	3x	4500rpm	6.36cfm	19dB	FAN4020C5L-IP55
Ceramic	20mm	5V	1.0W	3x	5500rpm	7.77cfm	21dB	FAN4020C5M
Ceramic	20mm	12V	1.44W	3x	7000rpm	9.89cfm	27dB	FAN4020C12M-II
Slv.	20mm	12V	2.3W	2x	7000rpm	10.3cfm	31dB	FAN402082
Ceramic	28mm	5V	1.3W	3x	5500rpm	10.2cfm	26dB	FAN4028C5H
Ceramic	28mm	12V	1.3W	3x	8000rpm	14.8cfm	36dB	FAN4028C12H
Ceramic	28mm	24V	3.8W	3x	8000rpm	14.8cfm	36dB	FAN4028C24H

IP54 = Dust and Splashing Water Resistant.

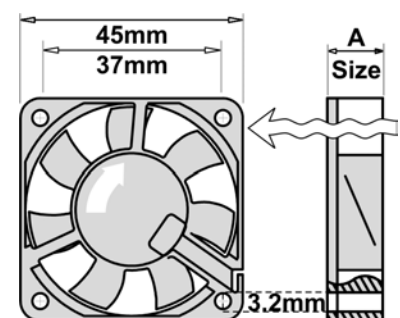
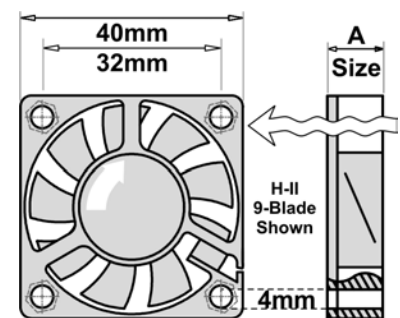
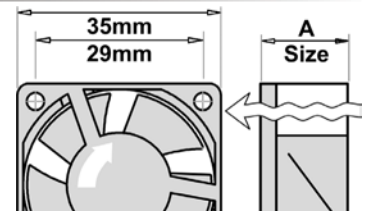
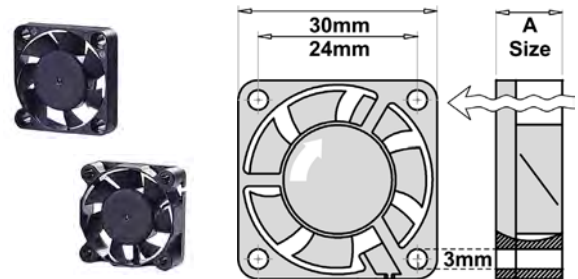
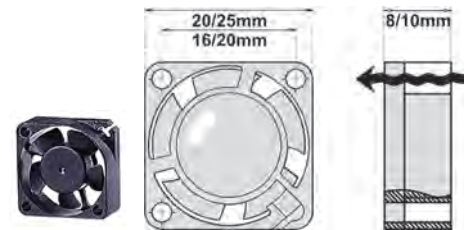
IP55 = Dust and Water Jet Resistant.

##### 45mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	10mm	5V	1.0W	3x	4500rpm	11.0cfm	27dB	FAN4510C5H
Ceramic	10mm	12V	2.2W	3x	6000rpm	14.7cfm	36dB	FAN4510C12H



CERAMICA DATA SHEETS AVAILABLE  
[www.ceramicafans.com](http://www.ceramicafans.com)



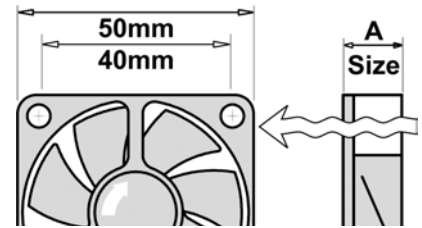




# Data & Computer

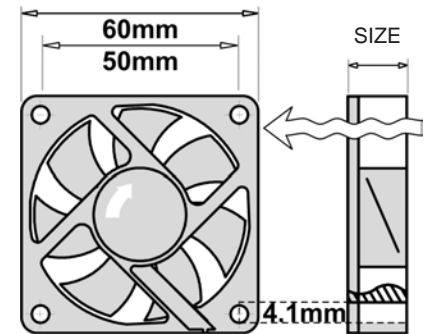
## 50mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	10mm	5V	0.4W	3x	4500rpm	7.14cfm	29dB	FAN5010C5M
Ceramic	10mm	12V	1.1W	3x	4500rpm	8.56cfm	27dB	FAN5010C12M
Ceramic	10mm	12V	1.3W	3x	5400rpm	10.1cfm	32dB	FAN5010C12H
Ceramic	15mm	12V	1.3W	3x	5000rpm	8.80cfm	29dB	FAN5015C12M



## 60mm

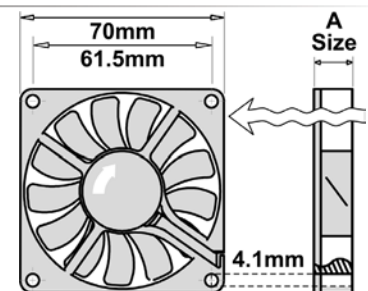
Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	10mm	5V	1.6W	3x	3600rpm	16.4cfm	27dB	FAN6010C5HH
Ceramic	10mm	5V	0.65W	3x	2400rpm	10.94cfm	18dB	FAN6010C5L
Ceramic	10mm	12V	1.32W	3x	3000rpm	13.67cfm	23dB	FAN6010C12L
Ceramic	10mm	12V	4.0W	3x	5200rpm	23.7cfm	38dB	FAN6010C12HH
Ceramic	15mm	5V	2.2W	3x	5500rpm	18.4cfm	39dB	FAN6015C5H-II
Ceramic	15mm	5V	1.8W	3x	5000rpm	16.7cfm	37dB	FAN6015C5M-II
Ceramic	15mm	12V	1.7W	3x	4000rpm	17.8cfm	34dB	FAN6015C12M-I
Ceramic	15mm	24V	2.6W	3x	4000rpm	17.8cfm	34dB	FAN6015C24M-I
Ceramic	25mm	12V	0.96W	3x	2700rpm	12.36cfm	23dB	FAN6025C12L-I
Ceramic	25mm	12V	1.4W	3x	3100rpm	14.4cfm	24dB	FAN6025C12M-I
Ceramic	25mm	12V	5.4W	3x	5500rpm	34.1cfm	45dB	FAN6025C12H-II
Slv.	25mm	12V	1.4W	2x	3100rpm	13.1cfm	24dB	FAN602582
Slv. Kit*	25mm	12V	1.9W	Kit*	3600rpm	15cfm	28dB	FAN602562
Ceramic	25mm	24V	3.4W	3x	3600rpm	17.2cfm	24dB	FAN6025C24H-I
Cer.	38mm	12V	18W	3x	10500rpm	60.2cfm	56dB	FAN6038C12H
Cer.	38mm	24V	30W	3x	10500rpm	60.2cfm	56dB	FAN6038C24H



\*Kit includes Ceramic Fan with 3-Pin Computer In-Line to MOLEX 4-Pin Power Adaptor.

## 70mm

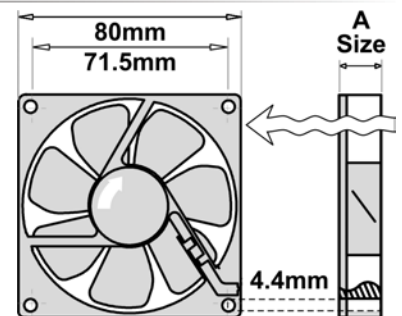
Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	10mm	5V	0.9W	3x	2400rpm	14.8cfm	27dB	FAN7010C5M
Ceramic	10mm	5V	1.3W	3x	3200rpm	20.5cfm	34dB	FAN7010C5HH
Ceramic	10mm	24V	1.68W	3x	1800rpm	10.6cfm	20dB	FAN7010C24L
Ceramic	10mm	24V	2.6W	3x	3000rpm	18.5cfm	32dB	FAN7010C24H
Ceramic	15mm	5V	1.2W	3x	2800rpm	22.1cfm	27dB	FAN7015C5M
Ceramic	15mm	12V	1.9W	3x	3500rpm	29.1cfm	32dB	FAN7015C12M
Ceramic	25mm	12V	3.0W	3x	4500rpm	39.4cfm	39dB	FAN7025C12H



CERAMICA DATA SHEETS AVAILABLE [www.ceramicafans.com](http://www.ceramicafans.com)

## 80mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	15mm	12V	2.0W	3x	3000rpm	31.3cfm	32dB	FAN8015C12H
Ceramic	15mm	12V	1.3W	3x	2500rpm	25.96cfm	26dB	FAN8015C12L
Ceramic	20mm	12V	2.3W	3x	2800rpm	32.2cfm	29dB	FAN8020C12H
Ceramic	25mm	12V	3.4W	3x	3200rpm	40.6cfm	33dB	FAN8025C12HH
Ceramic	25mm	12V	7.2W	3x	5000rpm	68.10cfm	44dB	FAN8025C12HH-I
Ceramic	25mm	12V	1.6W	3x	2400rpm	30.2cfm	23dB	FAN8025C12M
Kit*	25mm	12V	1.6W	Kit*	2400rpm	30cfm	27dB	FAN802562
Slv.	25mm	12V	2.2W	2x	2800rpm	34.8cfm	27dB	FAN802582
Ceramic	25mm	24V	10.8W	3x	5500rpm	68.10cfm	44dB	FAN8025C24HH-I
Ceramic	25mm	24V	2.16W	3x	2100rpm	26.20cfm	22dB	FAN8025C24L
Ceramic	25mm	24V	3.1W	3x	2400rpm	26.5cfm	27dB	FAN8025C24M



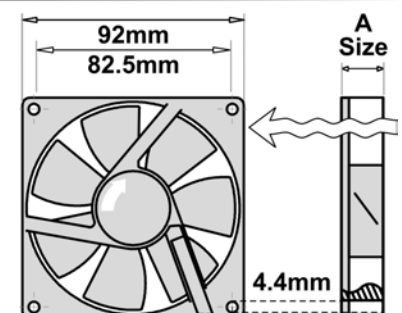
\*Kit includes Ceramic Fan & 3-Pin Computer In-Line 4-Pin Power Adaptor.

**240VAC** Die-Cast Metal Chassis. Fly leads 20cm. Requires Soldering.

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	25mm	240V	14W	2x	2450rpm	18.0cfm	30dB	FAN230B

## 92mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	25mm	12V	2.1W	3x	2400rpm	43.3cfm	31dB	FAN9225C12M
Ceramic	25mm	12V	5.76W	3x	4500rpm	70cfm	46dB	FAN9225C12HH
Ceramic	25mm	12V	2.28W	3x	2800rpm	49cfm	34dB	FAN9225C12L
Kit*	25mm	12V	1.6W	Kit*	2200rpm	40cfm	28dB	FAN922562
Ceramic	38mm	12V	17W	3x	5000rpm	112cfm	51dB	FAN9238C12H



**240VAC** Die-Cast Metal Chassis. Requires AC Lead PL201

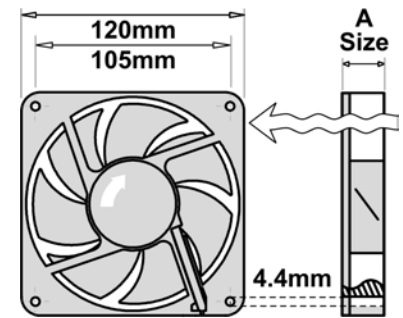
Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	25mm	240V	-	-	3Krpm	30.0cfm	36dB	FAN2092B





## 120mm

Bearing	Depth	Volts	Watt	Wire	Speed	Air	Noise	Code
Ceramic	25mm	12V	3.4W	3x	2500rpm	87cfm	46dB	FAN12025C12M
Ceramic	25mm	12V	5.0W	3x	3000rpm	106cfm	51dB	FAN12025C12H
Ceramic	25mm	12V	1.92W	3x	2000rpm	70cfm	39dB	FAN12025C12L
Ceramic	25mm	24V	3.6W	3x	2500rpm	87cfm	46dB	FAN12025C24M
Ceramic	25mm	48V	6.2W	3x	2500rpm	87cfm	46dB	FAN12025C48M
Sunon Ball	25mm	12V	3.7W	2x	3100rpm	90cfm	45dBA	FAN1212
Ball	38mm	12V	5.4W	3x	2400rpm	102cfm	43dB	FAN12038B12M
Ball	38mm	24V	6.0W	3x	2400rpm	102cfm	43dB	FAN12038B24H
Ball	38mm	48V	7.6W	3x	2400rpm	102cfm	43dB	FAN12038C48H
Metal	38mm	12V	4.20W	3x	2100rpm	89cfm	39dB	FAN12038B12L



FAN1212 is made by SUNON and not a Ceramica fan.

**240VAC** Die-Cast Metal Chassis. Requires AC Lead PL201

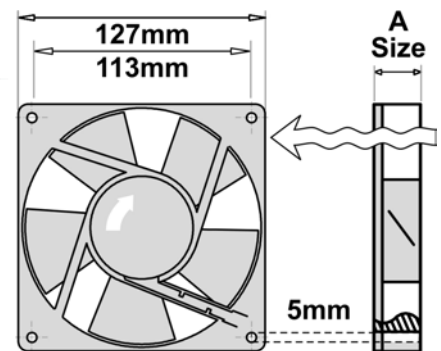
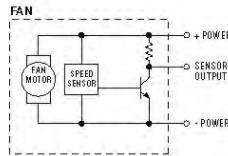
Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	38mm	240Vac	-	2x	3000rpm	85.0cfm	43dB	FAN201B

**115VAC** Die-Cast Metal Chassis. Requires AC Lead PL201

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	38mm	115Vac	20W	3x	-	87cfm	45dB	FAN12038AC115

## 127mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	38mm	24V	12W	3x	3200rpm	159cfm	51dB	FAN12738B24H



## 150x171mm

Bearing	Size	Volts	Watt	Wire	Speed	Air	Noise	Code
Ball	51mm	240V	-	PL201	2800rpm	230cfm	53dB	S15D24

### POWER LEAD

Socket above  
Requires power lead.  
1.2M Bare wire end

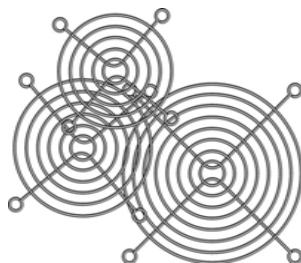
Code  
PL201



### Fan Guards

#### FAN METAL FINGER GUARDS

Length	Code
25mm	MFG25
30mm	MFG30
40mm	MFG40
50mm	MFG50
60mm	MFG60
70mm	MFG70
80mm	MFG80
92mm	MFG92
120mm	MFG120



#### PLASTIC FINGER GUARD

##### 80MM TYPE

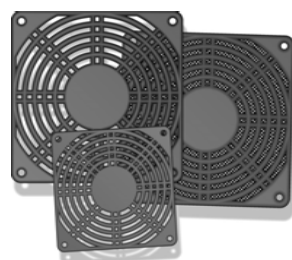
Code  
PFG80

##### 120MM TYPE

Code  
PFG120

##### 120MM WITH FILTER

Code  
PFG120F



### Fan Kits

#### CASE FAN KITS

3 Pin Plug to Main Board  
with sensor protect  
wire or 4 Pin MOLEX  
Ceramic bearing.

##### 60MM

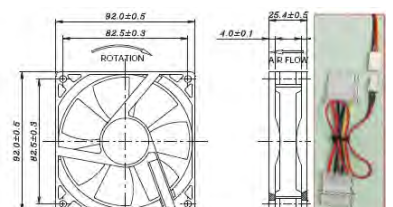
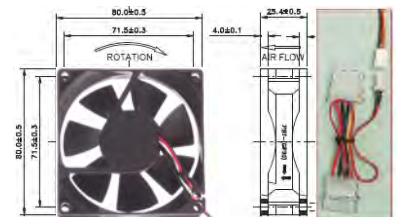
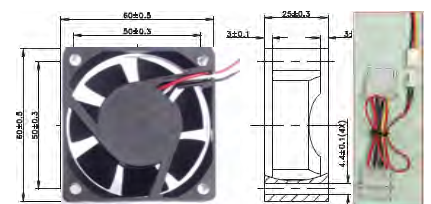
Length	Code
60mm	FAN602562

##### 80MM

Length	Code
80mm	FAN802562

##### 92MM

Length	Code
92mm	FAN922562







## Case & Hard Drive

### FAN KIT

#### VENTILATION FAN KIT WITH POWER

Cast frame 120x38mm fan pair. Direct to cabinet mounting solution kit. Fit roofs or walls in rack cabinets. Long life bearings. 12Vdc low-noise fans. Includes power pack. Includes finger guards. Includes two fans.



Code  
RFK105

### PCI / AGP COOLER DUAL-FAN

8cm 185x85x32mm

Internal system cooling.  
4 pin plug to 2x fans.

Code  
FAN900

6cm 145x65x27mm

Code  
FAN905



### PCI/AGP COOLER (PC BACK)

Internal system cooling. Uses  
1 PCI/ISA slot 12V 1.8W  
42cfm High pressure exhaust  
fan 110 x 95 x 20mm

Code  
FAN915

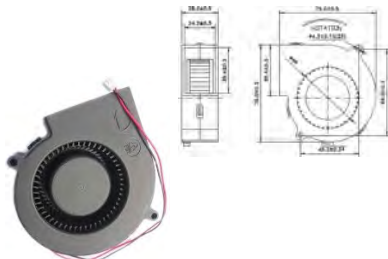


### BLOWERS

Exhaust exits via the side  
for compact installations.

[www.ceramicfans.com](http://www.ceramicfans.com)  
12V 2.4W 6.76cfm 31dBa

Length Code  
75mm FAN7528C12M



### HARD DRIVE COOLER

Direct fix to 3½" HDD.  
Dramatically reduces  
temperature extending  
the life of your drive.

Code  
FAN927



### 5¼" BAY - SUPER SYSTEM BLOWER!

#### COOL PC RUNNING

Large 90mm fan for replacing all  
the air in your box with cool breeze.  
28dBA. 210x150x43mm

Code  
FAN910



## Heat Compound Paste

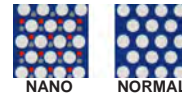
### NANO THERMAL COMPOUND

#### NANOTECHNOLOGY

Nano Grease made with  
nanotechnology offering superior  
thermal conductivity. Best choice for  
thermal dissipation to improve CPU,  
VGA cooling and other applications.

Size Code  
1.5g HTC015

[www.titan-cd.com](http://www.titan-cd.com)



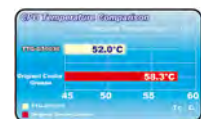
### PLATINUM THERMAL GREASE

#### NON-SILICONE PASTE

A non-silicone metal grease with high thermal  
conductivity and low thermal resistance which  
fills air gaps and improves heat dissipation.  
Non-electrical conductive. Best choice for  
thermal dissipation to improve CPU, VGA  
cooling and other applications.

Size Code  
3.0g HTC03

[www.titan-cd.com](http://www.titan-cd.com)



### SILICONE HEAT COMPOUND

Compound Essential for  
maintaining a positive seal  
between the heat sink and device.

Tube  
Size Code  
10g SIL10  
150g SIL150



#### SYRINGE

Size Code  
25ml / 50g SIL50



### NON-SILICONE HEAT COMPOUND

#### Syringe

Compound Essential for  
maintaining a positive seal  
between the heat sink and device

Size Code  
10ml RF44  
35ml / 70g HTC35SL



### HSF GLUE

Silicone heat compound sets hard like  
glue so you can stick on your HSF.  
Warning: Not recommended if you  
wish to remove the HSF without  
trouble. OEM Japan.

Size Code  
150g TSE3843W







## CPU

### COOLING FAN HEAT SINK SOCKET 423

12V Fan and heat sink combo with a 2 point mount brackets to suit CPU socket 423 type but can be used for other purposes, Class-D Audio, etc.  
Fan dimension: 60x60x25mm  
Heat sink: 80x64x40mm  
3 pin connector 12V

Code  
FAN165



### COOLING FAN HEAT SINK COMBO

Fan and heat sink combo with a 1 point mount. 12V. 3Pin.  
Fan dimension: 60x60x25mm  
Heat sink: 80x64x40mm

Code  
FAN166

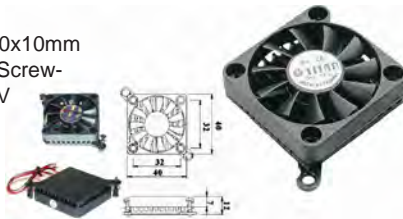


### CHIPSET COOLER 40mm SLIM

#### 17mm LOW-PROFILE

Main board chip sets 40x40x10mm  
Heatsink 40x40x7mm fan Screw-down lugs 24dBA 5cfm 12V

Code  
FAN410



### CHIPSET COOLER 40mm LARGER

#### 55mm NORTHBRIDGE

Main board chip sets 40x40x45mm  
Heatsink 40x40x10mm fan Thermal adhesive 24dBA 5cfm 12V

Code  
FAN402



### SOCKET-7 MMX & K6 etc.

Removable bracket to suit Pentium-I, Pro, K6-1/2/3.  
Fan 50x50x10mm 10CFM  
30dBA 12V 1.5W with 3 pin  
Mainboard lead  
Heat Sink 50x56x24mm

Code  
FANH7B3



### SOCKET-370 / 478 LOW-PROFILE

#### INTEL FC-PGA

Certain Celerons, Pentium-III  
Flip-Chip Coppermine up to 900MHz 3-Pin 7-12V 25mm x 70mmØ Gold colour 12cfm 26dB

Code  
FAN120



### SOCKET-423 P4 COOLER

Willamette Socket 423  
90x60x60mm Gold colour  
Low noise heatsink design.

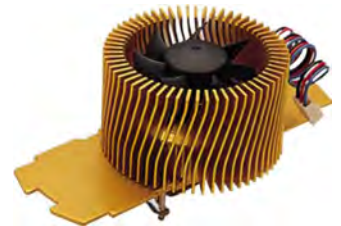
Code  
FAN100



### SLOT-1 MAJESTY COOLER

P-3 SECCII COOLER SLOT-1  
50x25mm fan 128x47x45mm  
Gold colour

Code  
FAN130



### SLOT-A MAJESTY COOLER

125x60x55mm 50x25mm  
fan Gold colour 12V 2.16W  
26dBA 20CFM Low noise

Code  
FAN145



### SOCKET-A [462]

63x60x60mm Fan &  
Heat sink Ball raced  
quiet 20CFM 28dBA  
1.6W 3-pin

Code  
FAN125



### SOCKET-A [462]

AMD XP & Sempron  
Aluminium heatsink  
69x80x43mm plus  
low noise 28dB 20cfm  
70x70x15mm Ball Fan  
Safe 3 Point clip

Code  
FAN170



### SOCKET LGA775

Excellent Economical  
Compact version 92mmØ  
Overall 110x110x68mm  
40CFM 26dBA 12Vdc  
Hydro-bearing quiet

Code  
FAN194







## □ PCI Cards

## □ PCMCIA Card

### PCMCIA TO ETHERNET

#### 10/100Mbps LAN

IEEE 802.3/u  
RJ45 CAT5 Socket  
TP-Link brand

Code  
TF5239



### PCMCIA TO WIFI

#### TP-LINK WIRELESS LAN

Inbuilt firewall features  
802.11g/b Extended range  
3x WPA TKIP AES WEP. etc.

Speed Code  
108M TLWN610G



## □ Express Card

### EXPRESS CARD



### PCMCIA EXPRESS CARD - RS232

#### 16550 UART

34mm Express Card  
DB9 RS232 output  
Up to 115.2Kbps

Code  
PCIE217



### PCMCIA EXPRESS CARD - FIREWIRE

IEEE1394a FireWire 34mm  
Express Card IEEE1394a  
6-Pin x2 FireWire 400Mbps

Code  
PCIE212



### PCMCIA EXPRESS CARD - USB2.0 + 3.0

1x USB 3.0 Port  
1x USB 2.0 Port

Code  
PCIE219



### PCMCIA EXPRESS CARD - USB & FIREWIRE

USB2.0 & IEEE1394a 34mm  
Express Card IEEE1394a  
6-Pin x1 FireWire 400Mbps  
2X USB2.0 480Mbps

Code  
PCIE213



### PCMCIA EXPRESS CARD - USB3.0

- SuperSpeed up to 5GBs

Code  
PCIE221







## □ PCI-E Card

### PCI-E TO USB 3.0

**5Gbps SUPER-SPEED**  
Welland Turbo Leopard  
4 Port USB 3.0/2.0/1.1  
Simultaneous supported  
PCI Express card 2.0  
Hot-Swappable USB  
Backward compatible



Code  
PCIE101

## USB CONNECTORS

### MAINBOARD SOCKETS

Rear panel break-out 2x  
USB-A to MB Plugs:

### SINGLE-10 PIN PLUG

Code  
USB1MB

### TWO 5-PIN PLUGS

Code  
USB2MB



## PCI-E 4 PORTS USB 3.0 HUB + CARD READER

### 3.5" BAY TO PCI-E

4 ports USB 3.0 HUB  
and 6 slots USB 2.0 Card  
reader SD / TF / XD / MS  
/ M2 / CF. Standard 3.5  
inch floppy size, easy to  
install. 4-pin molex socket  
for power supply to each  
USB 3.0 connector up  
to 900mA. Build-in over  
current protection. PCI-E  
connector.



PCIe

Code  
USB3030

## USB 3.0 INTERNAL CARD READER + HUB

### 3.5" BAY - 20 PIN

Supports memory cards:  
CF, M2, SD, SDHC, SDXC,  
M2, XD, Micro SD, Micro  
SDHC, Micro SDXC, MS  
& TF Card. High Speed  
USB 3.0 Ports. Fits to  
3.5" slot. 20 pin connector  
that plugs directly into PC  
motherboard. 3.5" Bay.



Code  
USB3012

## □ PCI Card

### PARALLEL PORT PCI

#### 25 PIN FEMALE

32 Bit PCI Card D25 Printer  
Port ECP/EPP/SPP/BPP 32  
FIFO REMAP

Code  
PCC1P



## SERIAL PORT EXTENDER.

### TWO SERIAL PORTS

2X RS232 D9 Male Serial  
ports. 921.6Kbps BIOS-IRQ 16  
FIFO 32 Bit

Code  
PCC2S



## FIREWIRE IEEE1394 PCI BOARD

### VideoStudio Software

IEEE1394 FireWire PCI 1x Internal  
6 Pin and 2x External 6 Pin and 1x  
Mini 4 Pin Socket Win driver CD.  
400Mbps. DV Capture & Edit with  
VideoStudio(8) included.

Code  
FW65PCI



## USB PCI BOARD

Upgrade or expand to additional  
USB ports. All ports are USB-A  
USB 2.0 @ 480Mbps 4 External,  
1 Internal PCI.2 Compliant card  
Power out protected (A)

Code  
PCI-USB20



## USB 2.0 & FIREWIRE

Expand to both new  
technologies in one  
convenient PCI card. 4x  
USB 2.0 400Mbps 2x  
IEEE1394 420Mbps

Code  
FWUSB20







## □ Dial Up Modems

### EXTERNAL MODEM DIAL-UP

#### DATA / FAX / VOICE 56K V.90 USB

V.42bis data compression  
14,400bps FAX. Voice mode.  
USB2.0 Dial-Up internet and  
FAX Modem.

Code  
PCM2012



## □ Ethernet Adaptors

### ETHERNET CARD PCI & PCIe

#### 10/100/1000Mbps RJ45

PCI Cards with Fast or Gigabit Ethernet.

PC Slot	Speed	Brand	Code
PCI	100M	Realtek	PCI101 (Copy)
PCI	Gigabit	TP-Link	TG3269
PCI	Gigabit	Level1	GNC-0105T
PCIe	Gigabit	TP-Link	TG-3468
PCIe	Gigabit	Level1	GNC-0112



### WIFI ETHERNET PCI & PCIe

#### 802.11n/g/b TP-Link

Removable SMA-R Antenna

PC Slot	Speed	Output	Code
PCI	300M	Dual	TL-WN851ND
PCIe	N600	Dual	TL-WDN3800



### OPTICAL ETHERNET PCI & PCIe

#### FIBRE OPTIC 802.3u Level1

Networking with light.

See for details: <http://au.level1.com>



PC Slot	Speed	Type	Code
PCI	100M	ST	FNC-0103FX
PCI	100M	SC	FNC-0104FX
PCI	Gigabit	PCI	GNC-0105T
PCIe	Gigabit	SFP	GNC-0110
PCIe	Gigabit	PCIe	GNC-0112
PCIe	Gigabit	SFP [PCIe x4]	GNC-0120
PCIe	Gigabit	SFP x2	GNC-0122
PCIe	Gigabit	SFP x4	GNC-0124
PCIe	10 Gigabit	SFP [PCIe x8]	GNC-0201
PCIe	10 Gigabit	SFP x2 [PCIe x8]	GNC-0202

## □ Graphics Cards

### PCIe HD GIGABYTE GRAPHICS

#### DVI & HDMI +VGA +TV OUTPUT

Powered by AMD Radeon HD  
6450 GPU, 1GB DDR3 64-bit  
memory interface.  
Dual-link DVI-D / D-sub / HDMI  
GIGABYTE GV-R645-1GI  
System power supply  
requirement: 400W

Code  
PCC204

\*Model may change  
if stock upgrades

**GIGABYTE™**



### PCIe ASUS R5-230 SILENT

#### 2GB PCI EXPRESS 2.1

Silent Low profile ideal HTPC 1280x1024 HDMI  
AMD Radeon R5-230\* HD3D  
650Mhz, DDR3 2GB, 2560x1600  
D-Sub (VGA), DVI-D, HDMI  
Support HDCP, DX 11, Win8.1 64bit

Code  
PCC211

**ASUS**



### PCIe GIGABYTE NVIDIA GEFORCE GT-710 SILENT

#### 1GB PCI EXPRESS 2.0

Silent Low profile ideal HTPC  
GeForce GT710  
954Mhz, GDDR3 1GB, 4096x2160  
D-Sub (VGA), Dual-Link DVI-D, HDMI  
Open GL 4.5, DX 12, Win10 64bit

Code  
PCC210

**GIGABYTE™**



### AGP VIDEO CARD

#### DVI / VGA +TV-OUT

AGP Slot 8x VGA \*Geforce  
FX5500 \*DirectX9.0 OpenGL1.4  
\*2048x1536@75Hz nView Dual  
Outputs VGA + DVI/TV/S-Video

Speed Code  
256Mb PCC202



\*Note: Specifications May change





## □ KVM

### □ Console Rack Monitors

#### 15" LCD KVM RACK CONSOLE LEVELONE

##### DVI VGA USB PS2

- Active Matrix TFT Display 1024x768px
- OSD function for LCD display
- Panel Protected by Tempered Glass
- 15 pins high density connector
- Keyboard and easy glide touchpad
- PS/2 and USB Console Interface
- Support DVI and VGA Interface



##### Code

KVM-0115



#### 17" LCD KVM RACK CONSOLE LEVELONE

##### DVI VGA USB PS2

- Active Matrix TFT Display 1280x1024px
- OSD function for LCD display
- Panel Protected by Tempered Glass
- 15 pins high density connector
- Keyboard and easy glide touchpad
- PS/2 and USB Console Interface
- Support DVI Interface



##### Code

KVM-0117



## □ KVM Enterprise

#### KVM USB & PS/2 + VGA SWITCH LEVELONE

##### LevelOne Remote Console Compatible

Control servers and computers either locally via control port or remotely via optional modules through the module expansion slot. Flexible auto-scan mode for flexible PC monitoring. High video display quality up to 1920x1440px. Support Windows®, NetWare®, Unix, Linux, Mac® OS, Sun.

Type	Code
8 Port	KVM-0831
16 Port	KVM-1631



##### COMBO KVM LEADS

HDB 15 Pin Combo break-out leads required.

Type	Code
PS2/USB/VGA KVM Lead 1.8M	ACC-2101
PS2/USB/VGA KVM Lead 3.0M	ACC-2102
PS2/USB/VGA KVM Lead 5.0M	ACC-2103



#### KVM USB DVI WITH AUDIO & USB HUB LEVELONE

LevelOne KVM-0261 Switch allows you to share one USB keyboard, mouse, DVI monitor and a set of speakers between 2 computers, which saves space and reduces peripherals clutter. The device also features an integrated 2-port USB 2.0 hub for sharing USB devices such as an MP3 player, printer or external hard drive between connected computers. This high resolution KVM is capable of displaying up to 2560x1600 @ 60Hz, making it the perfect solution for imaging and multimedia environments. Multi-tasking is made easy with the built-in hotkeys or front panel push button for easy channel switching, and the independent audio-switching allows the user to play music from one computer while surfing the Internet from another.

- Dual-Link DVI-D
- Up to 2560x1600
- Easy switching between computers with keyboard hotkeys/front panel buttons
- Separate Audio switching button for speakers and microphone selection
- Built-in 2-Port high-speed USB 2.0 hub
- LED display for status
- Simple Plug and Play

##### Code

KVM-0261



#### KVM USB DVI WITH AUDIO & USB HUB LEVELONE

- Dual-Link DVI-D
- Up to 2560x1600
- Easy switching between computers with keyboard hotkeys/front panel buttons
- Separate Audio switching Built-in 2-Port high-speed USB 2.0 hub
- LED display for status
- Simple Plug and Play

##### Code

KVM-0461







## KVM Switch

### KVM SWITCH 2-PORT CABLE WITH HDMI & USB

#### INCLUDES LEADS 1.8M EACH

- Control and manage 2 computers by using a single USB keyboard, mouse and HDMI monitor
- Supports high-video quality – DDC2B and 1920x1200 pixels
- Provides auto-scanning features
- Supports HDCP, High-Bandwidth Digital Content Protection
- Easy switching between computers with keyboard hot keys
- Self powered through USB connection
- Simple Plug and Play installation

**Code**  
KVM-0290



### KVM VGA PS2

#### MANUAL / HOTKEY / CYCLE

Control numerous PC's from One Keyboard/Mouse/Monitor. Metal Case. Beige. 1U high. Front LED switching and display of what PCs are powered up and selected. Auto skips Powered-Off PCs. Hardware emulation for boot. Hotkey Keyboard switching. Auto Scans 5 to 30 seconds. All Female PS2 connections. HD15 Female In. Male Out. VGA 1920x1440 200MHz

#### REQUIRES CABLES

**Input Code**  
2 Way KVM7802  
4 Way KVM7804



### KVM VGA PS2 WITH AUDIO

#### MULTI-MEDIA VERSION

Control numerous PCs from One Keyboard/Mouse/Monitor. Front switching & display. Supports Windows™/Linux. Auto skips Powered-Off PCs. Hardware emulation for boot. Hotkey Keyboard switching.

**Input Code**  
2 Way KVM7202



### KVM SWITCH 16 PORT

#### CONTROL MULTIPLE PCs ON ONE KEYBOARD/MOUSE/MONITOR

- 19" rack mount design.
- USB and/or PS2 plus VGA (Requires Leads)
- Hot plug support add or remove PCs without powering off the KVM switch or PCs.
- No software required.
- Built-in one extra daisy chain port.

**Ports Code**  
16 Ports KVM9216



### KVM VGA PS2 MULTIMEDIA LEVELONE

#### INCLUDES LEADS 1.8M EACH

- USB keyboard and mouse and VGA monitor.
- PC user-programmable hotkey switching.
- High 2048 x 1536 pixels VGA resolution.
- USB interface power supply.
- LED display for easy monitoring of PC activity.
- Windows® based switching software utility included.

Ports	Audio	Code
2	No	KVM-0222
2	Yes	KVM-0221
4	No	KVM-0422
4	Yes	KVM-0421

www.level1.com.au



### KVM VGA PS2 MULTIMEDIA

#### STEREO AUDIO IN & OUT

Control One of Two PCs Windows™ or Linux, etc. No software required. HotKey select or auto cycle. Leads built-in. Hardware Emulation for error free PC booting. Res: 1920x1440 200MHz Mon: HD15-F to HD15-M x2 Mouse: PS2-F to PS2-M x2 KB: PS2-F to PS2-M x2 Mic: 3.5mm Stereo Speakers: 3.5mm Stereo

#### 2 WAY

**Code**  
KVM7102



### KVM VGA USB AUDIO

#### 1.2M CABLES ATTACHED

2-port USB KVM Switch for home or office use. Connect multi-platform operating system computers to a single keyboard, mouse and monitor. Supports high-video quality (DDC2B/VGA) up to 2048x1536 pixels. Easy installation with no software installation. All cables attached, ready-for-use. Features audio support. Provides auto-scanning. LED display for easy status monitoring. Provides Hot-Key port switching.

**Code**  
KVM-0223







## KVM Switch Manual

### USB2 PC SWITCH BOX

#### SWITCH BETWEEN PCs

Share One USB Peripheral with 2 (or 4) computers.  
One x USB2.0 480Mbps port  
Hotkey or Manual Switching

Type	Code
2Way	USB128
4Way	USB158



### 4 PORT USB 2.0 SWITCH HUB

4 Ports USB 2.0 hub with individual selection switch. Plug and Play, no driver installation required. Self powered.

Ports	Code
4	USB242



### 4 PORT USB 3.0 & USB 2.0 HUB

4 port powered USB hub manager with individual power switch to control on/off 4 of USB 3.0 super speed port up to 5Gbps. 3A power pack to support multiple connections. Size 176x51.5x13mm.

Ports	Code
7	USB3024



### 4 PORT USB 3.0 SWITCH HUB

Individual power switch to control on/off 4x USB 3.0 ports  
Size 105 x 35 x 22mm

Ports	Code
4	USB3026



### 13 PORT USB 2.0 SWITCH HUB

#### 13 PORTS WITH INDIVIDUAL POWER SWITCH

Each USB 2.0 port is individually switched with blue LED indicator. A power adaptor is included for high powered USB devices.

Ports	Code
13	USB3025

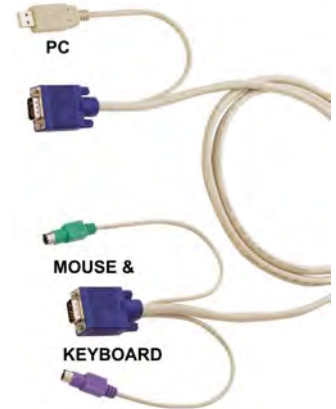


## KVM Cable

### CONNECT A PS2-KVM TO USB PC!

#### PS2 USB ADAPTOR LEADS

If your PC is USB, you can use these leads for connection between the KVM switch and the PC. Converts PS2 to USB In. With VGA Male Female. KVM: PS2 Male x2 PC: USB-B Plug x1



#### 2xPS2USB & 1xHD15 MM

Male to Male VGA Plugs

Length	Code
1.8M	CL627

#### 2xPS2USB & 1xHD15 MF

Male to Female VGA Plugs

Length	Code
1.8M	CL628

### KVM EXPEDIENCY LEADS

#### COMBINED INTERCONNECTS

Simplify your wiring up layout with combo leads. Excellent quality for short distance solutions. Ideal for use with KVM. Black fully shielded leads. Colour coded easy ID Plugs. VGA HD15 Male to Female. Dual PS2 Male to Male.

#### 2xPS2 MM & 1xHD15 MF

Length	Code
2M	CL3402
5M	CL3405
10M	CL3410



### KVM EXTENSION LEADS

#### MALE TO FEMALE

Simplify your wiring up layout with combo leads. Ideal for use with KVM. Black fully shielded leads. Colour coded easy ID Plugs. VGA HD15 Male to Female. Dual PS2 Male to Female.

#### 2xPS2 MF & 1xHD15 MF

Length	Code
2M	CL3602
5M	CL3605
10M	CL3610



### HDMI & DVI CABLES [More Available]

Description	Length	Code
HDMI M-M	*0.5M	CL6900-05
HDMI M-M	1M	CL6901
HDMI M-M	2M	CL6902
HDMI M-M	3M	CL6903
HDMI M-M	5M	CL6905
DVI M-M	1M	CL6601
DVI M-M	2M	CL6602
DVI M-M	3M	CL6603
DVI M-M	5M	CL6605
DVI M-M	10M	CL6610
DVI M-M	15M	CL6615
HDMI-DVI	1M	CL6801
HDMI-DVI	2M	CL6802
HDMI-DVI	3M	CL6803
HDMI-DVI	5M	CL6805
HDMI-DVI	7.5M	CL6807
HDMI-DVI	10M	CL6810
HDMI-DVI	15M	CL6815

\*0.5M does not have ferrite ferrules







## □ Extenders

### □ KVM

#### KVM EXTENDER OVER CAT5 [150M]

##### REMOTE CONSOLE

ATEN CE700A is a USB & VGA KVM Extender with superior video quality that allows access to a computer system up to 150 metres away from a remote USB console (USB keyboard and USB mouse plus VGA Monitor) using a dedicated CAT5 cable (Not IP compatible).



##### Code

KVM103

#### KVM EXTENDER CAT5 [150M]

Connect a remote console up to 150M away via CAT5.

Kit includes a Remote and a Local Unit, with leads. Local box also accepts a 2nd PS2 Mouse & keyboard and a VGA Monitor. Or, with the press of a button, you can use the remote monitor, mouse and keyboard to control the same computer. Easy wiring solution for protecting PCs from harsh environments, etc. Powerpacks & Leads Inc. Requires CAT5 cable to length.



##### Code

CE220

#### VGA/USB EXTENDER OVER CAT5 [180M]

- Extends up to 180M VGA and 2x USB.
- Supports USB1.0/1.1 keyboards & mouse.
- Supports USB boot protocol & hub.
- VGA resolution up to 1600x1200.
- Auto/Manual video quality adjustment.
- Support 3 hot key to combine other equipment.
- Kit supplied with Transmitter and receiver units
- Includes 2 sets of KVM Leads
- Includes 2x Power packs
- Requires CAT5 Cable



##### Code

KVM104



#### KVM EXTENDER USB OVER CAT5

##### SENDER & RECEIVER UNITS - VGA & USB UPTO 150M

- A single Cat.5 or above UTP cable replaces bulky KVM cables
- Locate Cat.5 console up to 150m away from the KVM switch with superior auto-adjust RGB signals capability
- Switch local PC or remote PC by push button or hotkey commands
- LED indicators for computer status or data transmission
- Work with PS/2 or USB computer
- Easy to install and use with plug-and play functionality

##### Code

KVM-9006



## □ Switches & Extenders VGA

### □ VGA CAT5 Extenders

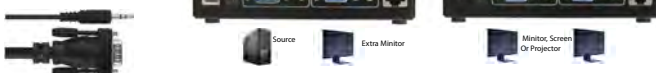
#### VGA EXTENDER CAT5 [100M]

Easy CAT5 wiring solution SXGA 1280X1024, 60Hz. Used in pairs transfer audio and video up to 100M. HD15 male input. HD15 female output, With an extra HD15 output on each transmitter and receiver end to connect extra display unit. 2x Power packs, 1.5M VGA male to male cable, 1.5M 3.5mm male to male stereo cable supplied. Requires CAT5 cable.



##### Code

VGA300



#### VGA EXTENDER CAT5 [180M/300M] SMARTVIEW

##### SEND VIDEO OVER CAT5

Easy CAT5 wiring solution SXGA 1280X1024, 60Hz. Adjustments to tune length. HD15 VGA Socket to Socket. 2x Units; Transmitter & Receiver. 2x Power packs supplied. Requires CAT5 cable. Requires HD15 VGA Cables

##### 180M MAX

##### Code

SMV101

##### 300M MAX

##### Code

SMV102



#### VGA REPEATER CAT5 SMARTVIEW

##### SEND VIDEO OVER CAT5

As above with a VGA through-put. Connect a monitor at either end, one local and then one extended. SXGA 1280X1024, 60Hz bandwidth HD15 Female/Female to Female One Transmitter & One Receiver Power packs & VGA Lead Inc. Requires CAT5 Cable

##### 180M MAX

##### Code

SMV105

##### 300M MAX

##### Code

SMV106



#### VGA SPLITTER CAT5 SMARTVIEW

##### MULTI-WAY EXTENDER OVER CAT5

As above with multiple outputs. Extends VGA Video up to 300M SXGA 1280X1024, 60Hz, HD15 VGA You need 1x Transmitter/Splitter & as many Receivers as required.

##### TRANSMITTER ONLY

Requires Receivers and CAT5.

##### Output Code

2 Way SMV122

4 Way SMV124

8 Way SMV128

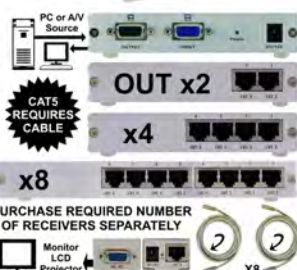
##### RECEIVER ONLY

Select by max. distance.

##### Output Code

180M SMV120

300M SMV121







## VGA Boosters

### SMARTVIEW VGA EXTENDER [65M]

#### D15 LINE BOOSTER

Premium grade unit maintains optimum signal quantity. Extends runs up to 65M Wide bandwidth 250MHz Supports DDC2B XGA, 1920x1440 60Hz Male to Female HD15 Can be cascaded Includes power pack. Requires cables 97x56x26mm



#### Code

SMV1101

## VGA Splitters

### VGA SPLITTER 300MHz SMARTVIEW

#### ONE INPUT TO MULTI OUT

Maintains optimum signal quantity. Extends runs up to 65M Wide bandwidth 300MHz Supports DDC2B XGA, 1920x1440 60Hz Male to Female HD15 Includes power pack. Requires cables



REQUIRES LEADS

Split	Code
2 Way	SMV1102
4 Way	SMV1104
8 Way	SMV1108
16 Way	SMV1116



### VGA SPLITTER 400MHz - WITH AUDIO SMARTVIEW

#### ONE INPUT TO MULTI OUT

With 3.5mm Stereo Audio. Premium grade SmartView for optimum VGA quality. Extends runs up to 65M Wide bandwidth 400MHz XGA, 2048x1536 60Hz Male to Female HD15 + Audio or earphone, etc. Socket to Socket 3.5mm Requires cables.



REQUIRES LEADS

Split	Code
2 Way	SMV1202
4 Way	SMV1204
8 Way	SMV1208



### VGA SPLITTER 400MHz SWITCHABLE SMARTVIEW

#### TURN OUTPUTS ON/OFF

Front panel indicators show connection signal Each output can be switched on or off. Premium grade analogue for optimum quality. Extends runs up to 65M Wide bandwidth 400MHz XGA, 2048x1536 60Hz Male to Female HD15 Requires cables

Split	Code
2 Way	SMV1302
4 Way	SMV1304



400 MHz  
REQUIRES LEADS

## VGA Switch Box Matrix

### VGA SELECTOR MATRIX SMARTVIEW

#### 2 INPUTS / MULTIPLE OUTPUTS

Multiple Sources & Monitors! Each output can be switched between either of two inputs for Intelligent functionality UXGA 1920x1440, 60Hz, 250MHz All HD15 Sockets. Upto 65M. Intuitive front panel push-button & display of selected. Metal cabinet 1U high.

Matrix	Code
In(2)Out(2)	SMV1402
In(2)Out(4)	SMV1404
In(2)Out(8)	VX8208
In(2)Out(16)	SMV1416



## VGA Switch Box

### VGA SOURCE SELECTOR SWITCH SMARTVIEW

#### MULTIPLE SOURCE ONE OUTPUT

Single output VGA Monitor Intelligent video source selector switch with unit connection indication. (Shows if PC is active) Push-button direct select. Quality metal box. 1U High. Supports DDC2AB, 250MHz XUGA 1920x1440, 60Hz All HD15 Female Sockets Requires connection leads



DIRECT SELECT  
ON LINE  
SELECTED

Switch	Code
2 Way	SMV1502
4 Way	SMV1504



### VGA SWITCH WITH REMOTE CONTROL SMARTVIEW

#### MULTIPLE SOURCE SWITCH

Single output VGA Monitor Intelligent video source selector switch with a mini remote control, OSD and auto-cycle features. Front panel LEDs show what is connected and what is selected. Quality metal box. Supports DDC2AB, 250MHz XUGA 1920x1440, 60Hz All HD15 Female Sockets Requires connection leads



DIRECT SELECT  
AUTO CYCLE  
ON-SCREEN-DISPLAY

Switch	Code
4 Way	SMV1604
8 way	VRM718R







## Switches & Extenders DVI

### DVI Booster Repeaters

#### DVI REPEATER

##### EXTENSION BOOSTER w/ EQ.

8dB Equalisation for compensating cable loss over extended runs up to around 20 Metres long. If put mid-way, you can achieve lengths of 40M. Not cascadeable due to eq. Reduce noise and Sparkles from HDTV picture quality UXGA 1080p max resolution. DDC & HDCP Pass-Thru. Includes 5V power pack or powered from cable. All DVI Female Sockets.

##### Code

CP269D



HDCP

### DVI TWIN CAT5 EXTENDER

#### DIGITAL COAX & ANALOGUE AUDIO 3.5mm

DVI transmitter and receiver over CAT5 is an extender for DVI signal - up to 100 or 250 metres long. Not only can this device transfer the HD image signal but also the analog/digital audio signal with coaxial and L/R audio 3.5mm. Through the DDC cable the device can also support HDCP and CEC. This extender is perfect for extending high resolution digital signage with crystal clear images over low cost network solution.

- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications.
- Equalizer, Gain, CTI (Colour Transient Improvement) adjustment.
- Supports high definition up to 1080P/UXGA, output res follows input.
- Easy to install and simple to operate.
- Supports DDC/HDCP signal transferring through DDC cable.
- Build-in EDID at transmitter.
- Support both external Coaxial and Stereo Sound.

Interface	Input	Output	Max Res.	Max.	Code
Transmitter	DVI	2x CAT5	1080P/UXGA	-	CA-DVIAT
Receiver	Twin CAT5	DVI	1080P/UXGA	100M	CA-DVI100R



### CYPRESS PRODUCTS



#### SEE SECTION 01 AV TV SAT INSTALL



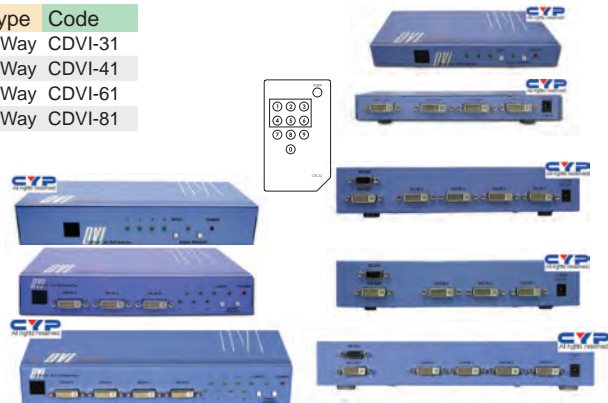
### DVI Switch Box

#### DVI SELECTOR SWITCH

##### WITH REMOTE CONTROL

"Signal Enhance" option for improved quality over longer cable runs. HDTV 1080i/p 60Hz Max. UXGA (1600x1200) Max. It is recommended you use SLAC cables for best picture results. Electric blue cabinet LED front display. DVI Female Sockets HDCP 1.1 Compliant

Type	Code
3 Way	CDVI-31
4 Way	CDVI-41
6 Way	CDVI-61
8 Way	CDVI-81



#### DVI SELECTOR SWITCH

##### 4 SOURCES TO 1 DVI MONITOR

Select between DVI Sources; One LCD or Plasma Monitor From Multiple DVI signals. Metal Case. Silver grey. Select buttons on fascia. LEDs Show Online & Selected. DVI Female In. Female Out. SXGA 1280x1024 max DDC2 Dual-Link DVI-D & DVI-A

Code  
SMV4204



### DVI Splitters

#### DVI SPLITTERS

##### CYPRESS DVI-D DISTRIBUTION

It accepts DVI signal from a computer or video equipment and splits up to two, identical and buffered outputs. Each of the output can run up to 15 metres using standard DVI cable. It also supports a wide range of input resolution (25~165MHz) from VGA to UXGA. Can be cascaded up to 3 tiers.

Type	Code
2 Way	CDVI-2S
4 Way	CDVI-4S
8 Way	CDVI-8S



#### DUAL-LINK DVI SPLITTER

The Dual-Link DVI splitter allows a single DVI-D signal to be split into multiple DVI outputs. Supports video resolutions up to WQXGA with Dual-Link DVI or WUXGA with Single-Link DVI. Built-in adaptive equalizer provides long cable support. Intelligent individual control of hot plug detection.

- Supports video resolutions up to WQXGA with Dual-Link DVI or WUXGA with Single-Link DVI
- Built-in adaptive equalizer provides long cable support
- Support EDID function
- Individual control of hot plug detect

Output	Code
2x DVI-DL	CDVI-2DDS
4x DVI-DL	CDVI-4DDS







## Switches & Extenders HDMI

### HDMI Splitters

#### HDMI SPLITTER

##### HDMI V1.2

Up to 15 Metre Cascadable In-built EDID Simulator Independent HDCP Keyset HDTV 1080p 165MHz max.

Split	Code
2 Way	CHDMI-2
4 Way	CHDMI-4
8 Way	CHDMI-8



##### HDMI V1.3

Supports EDID function and HDCP1.1 Compliant Deep colour lossless

Split	Code
2 Way	CLUX12E
4 way	CLUX-14EP
4 way	CLUX-14E
8 Way	CLUX-18E



#### HDMI V1.2 SPLITTER AMPLIFIER

##### HDMI SPLITTER AMPLIFIER

High performance HDMI distribution amplifier. It allows one HDMI source to connect up to 4 HDMI displays simultaneously.

Output	Code
8x HDMI	EHD-8



#### HDMI V1.3 SPLITTER

From a single HDMI source you can transfer Deep Colour (10-bit and 12-bit) video and new lossless compressed digital audio with high bandwidth up to 225MHz (6.75Gbps) to 2/4/8 HDMI outputs. Besides splitting and distributing, it also does signal amplification and equalization, providing high I/O performance on both audio and video.

Output	Code
2x HDMI	CLUX-12CEC
4x HDMI	CLUX-14CEC
8x HDMI	CLUX-18CEC



#### 4K UHD HDMI SPLITTER

Distributes one HDMI input to up to sixteen simultaneous HDMI outputs and supports 4K2K, 3D, 12-bit Deep Colour as well as High Definition Lossless Audio. With its wide bandwidth it supports the latest HDMI standards.



Output	CEC	Bandwidth	Code
2x HDMI	Bypass	3Gbps	CPRO-2E
4x HDMI	Bypass	3Gbps	CPRO-4E
8x HDMI	Bypass	3Gbps	CPRO-8E
16x HDMI	Bypass	3Gbps	CPRO-16E
4x HDMI	System Reset	9Gbps	CPRO-4ER
8x HDMI	System Reset	9Gbps	CPRO-8ER

### HDMI Switch Box

#### HDMI AV SWITCH AVLINK

##### PUSH BUTTON SELECTOR

HDMI HDCP AVLINK 480p/720p/1080i All Female Sockets Quality, low noise Metal cabinet with mechanical push switch from A to B. Low profile 130x113x30mm box No power required

Switch	Code
2 Way	AVS12

Leads are available. Please enquire.



#### HDMI SWITCH - 3 WAY PROLINK

HDMI Switch box with HDMI cable plug output. Push button manual select and/or auto switches to an active input. 1080p HDTV 3D High Speed.

Length	Code
1.5M	MP1201



#### HDMI SELECTOR SWITCH

##### WITH REMOTE CONTROL

"Signal Enhance" option HDTV 1080i/p 60Hz Max. UXGA (1600x1200) Max. HDMI Female Sockets

HDMI 1.2
HDCP-1.1 DVI-1.0

Split	Code
3 Way	CHDMI-31
4 Way	CHDMI-41
6 Way	CHDMI-61
8 Way	CHDMI-81

##### HDMI 1.3

Split	Code
6 Way	CLUX-61
8 Way	CLUX-81







## HDMI Booster Repeater

### HDMI REPEATER 50M

#### EXTENSION BOOSTER THROUGH

8dB Equalisation for compensating cable loss over extended runs up to 40 Metres. If put mid-way, you can achieve lengths of 50 Metres. Not cascadeable due to eq. Reduce noise and Sparkles from HDTV picture quality UXGA 1080p max resolution. DDC & HDCP Pass-Through. V1.2 Includes 5V power pack or powered from cable. HDMI Female Sockets.



Code  
CP-1269HM

### HDMI 4K UHD REPEATER

Amplifies and equalizes the HDMI signal to provide high quality audio and video allowing you to extend the HDMI cable distance a further 15 metres each at 1080p/8-bit resolution or 10 metres each at 1080p/12-bit or 4Kx2K resolution.



Code  
CPRO-11SR

### HDMI BOOSTER EXTENDER

HDMI V1.3 over 20 metres.

Description	HDMI Enhancer
Max.	6M/15M
Type	V1.3
Code	CS-HH



### HDMI 4K UHD ENHANCER

This HDMI UHD Enhancer amplifies and equalizes the signal, providing high quality audio and video through an HDMI cable for distances up to 15 metres at Ultra HD resolution (4K2K@60Hz/YUV420). It can be cascaded up to 5 times (with additional power supply) and is capable of receiving and transmitting up to 9Gbps bandwidth rate with CDR (Clock Data Recovery), ensuring no loss of data. Powered by the HDMI output of suitability equipped source equipment or a HDMI Power Inserter can be used.

Code  
CPRO-UHH



## Switches & Extenders Misc

### Serial RS 232

#### RS232 EXTENDER CAT5 - SMARTVIEW

##### UP TO 1KM

Full-Duplex data comm. Compatible with all RS232 protocols in either direction 230kbps data rate Up to 1000M (1Km!) Suit dumb-terminals, mouse, peripherals. Supplied with booster power packs and one 20cm Null-Modem lead.



Code  
SMV301



UP TO 1000 M  
CABLE NOT INCLUDED

### Audio

#### AUDIO EXTENDER CAT5

##### EITHER WAY STEREO AUDIO

Run Line-Level & Mic Send up to 300M Via CAT5 cable All 3.5mm Stereo 10Hz to 25KHz (-3dB) Stereo Microphone Dynamic or Condenser built-in pre-amp mic with level adjust. Stereo Line Level extension (2Vpp) (can run earphones). 92x34x22mm each. 2x 3.5mm leads inc.

Code  
SMV300



### RS232 OVER CAT5 - CYPRESS

##### UP TO 250 METRES

- Extends any compatible RS232 device up to 250 metres from the source to the display.
- Only one CAT5 cable.
- Perfect for digital signage.
- Simple and easy installation.
- Has a Baud Rate of: 110~921600.
- Data bit: 8 bit.



### DIGITAL AUDIO OVER CAT5

##### UP TO 150M

The Digital Audio Extender is useful for sending the digital audio signal up to 150m away at high quality. The units can switch between Coaxial and Optical digital signals and can be powered by either USB or power adaptor. Supports digital audio of 2CH LPCM, 2~5.1CH of Dolby® Digital and DTS.



Interface	Input	Output	Max.	Code
Transmitter	1x RS232	1x Cat5/6/7	250M	CRS-232TX
Receiver	1x Cat5/6/7	1x RS232	250M	CRS-232RX
TX/RX Kit	1x RS232	1x RS232	250M	CRS-232TXRX

Input	Output	Cable Length	Code
1x Coax/Optical	1x CAT5/6/7	150M	CH-304TX
1x CAT5/6/7	1x Coax/Optical	150M	CH-304RX





## Other

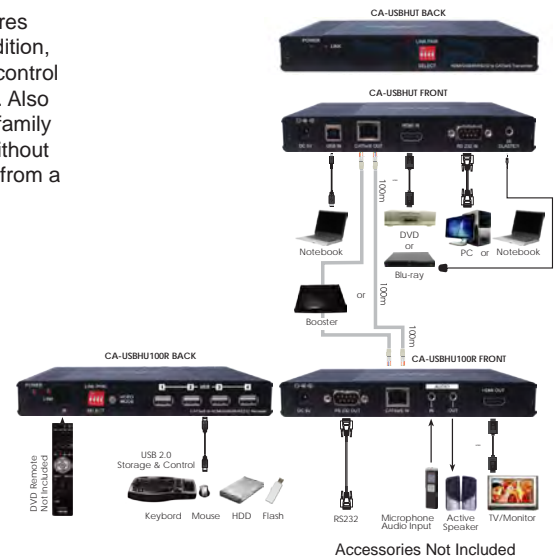
### HDMI & USB OVER CAT5e/6

#### ETHERNET MULTI-MEDIA KVM EXTENDER SEPARATE TRANSMITTER & RECEIVER

This pair of devices allows a HDMI and USB host device to send data up to 100 metres distance while offering expandability for up to 4 USB outputs to perform tasks. In addition, this pair of devices can also save data from the output port devices or allow remote control through the display side even when there's 100 metres apart separating the devices. Also includes extra functions like IR, line-out and audio sound. Cascading with the same family type of device to extend the transmission distance up to as long as it demand and without signal loss or delay, or with multi pairs of the extender box up to 16 for matrix usage from a IP for data sharing within the connected device of sources and displays.

- Supports data sharing over CAT5e/6 cable up to 100M.
- HDMI v1.3, HDCP v1.1 and DVI v1.0 compliant.
- Inbuilt IR remote extender.
- Operate with USB host controllers. Support USB2/1.1
- True plug and play without any driver installation.
- Display and control host device and source equipment.
- Save and share data into a separate room.
- CAT5 cable distance tested up to 100 metres.
- Digital display output up to 1920 x 1080@60Hz.
- Adopt visually lossless video compression algorithm.
- DDC synchronization.
- LED indicators for easy viewing.
- Total transmission frequency 1GHz bandwidth

Interface	Input	Output	Code
Transmitter	1xHDMI, 1xUSB, RS232, IR	1x Cat-5e/6	CA-USBHUT
Receiver	1x Cat-5e/6	1xHDMI, 4xUSB, RS232, IR	CA-USBHU100R



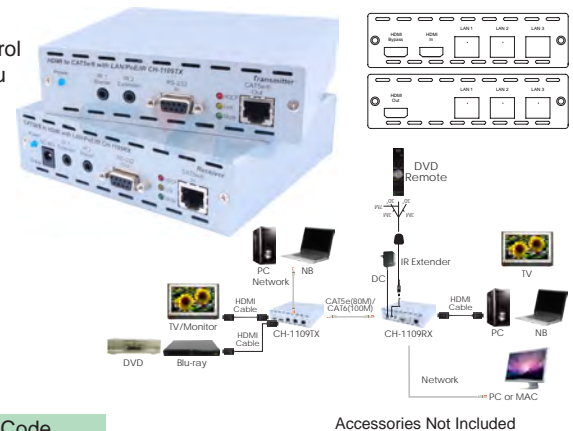
### HDMI / IR / RS232 / ETHERNET EXTENDER OVER CAT5e/6

#### HDMI & IP OVER A SINGLE CAT5e/6 CABLE

Extend HDMI, IR, RS232 and also your LAN (IP/ethernet network) over a single CAT5e/CAT6 cable. HDMI loop through on Transmitter for instant display at the control point. 3 In/Out LAN ports. IR Extender/Repeater on each unit. This device allows you to extend your display to another area and also extends multimedia features.

- Household entertainment sharing and control.
- Lecture room or showroom display and control.
- HDMI 1.4 (with Audio Return Channel), HDCP & DVI Compliant.
- Supports HDCP repeater and CEC function.
- Simultaneously uncompressed data sending over a single 100M/328ft with CAT6 cable or 80M/262ft with CAT5e cable.
- Uncompressed video 1080p, 60Hz, 48bits, 3D and 4K x 2K.
- Audio support up to 7.1CH & Dolby® True HD, DTS-HD.
- Ethernet speed up to 100Mbps.
- Various controls over HDMI CEC, RS232 & IR.
- 5Play™ convergence: HDMI & Control (IR & RS232)/LAN/PoE.

Interface	Input	Output	Code
Transmitter	1 x HDMI , 1 x HDMI Bypass, 3 x Ethernet, 1 x RS-232, 1 x IR Extender, 1 x IR Blaster	1x Cat-5e/6	CH-1109TX
Receiver	1x Cat-5e/6	1 x HDMI, 1 x RS-232, 3 x Ethernet, 1 x IR Extender, 1 x IR Blaster	CH-1109RX



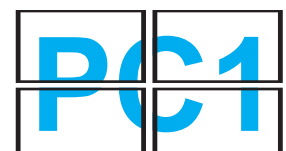
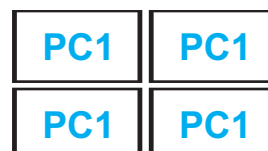
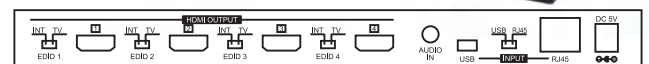
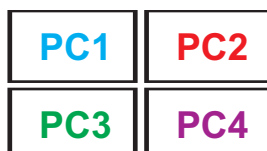
Note. HDMI does not use IP protocol over the Cat6 cable.

### 4 PORT HDMI MULTI-DISPLAY OVER ETHERNET/USB

#### ETHERNET/USB TO 4 PORT HDMI CONVERTER

- Displaying content on up to 4 HDMI displays from through a networked system or directly from PC/Laptop with USB cable.
- HD resolution up to 1920 x 1080 for each HDMI output.
- Individual EDID selection with output display control.
- USB 2.0 (Hi-speed) compliant.
- Support Giga Ethernet TCP/IP protocols.
- Supports HDMI output audio with 3.5mm phone jack input.
- Extend or mirror video up to 4 HDMI displays.
- Share the HDMI displays with multiple users through an existing network.

Input	Output	Code
Ethernet / USB	HDMI x4	CETH-4HDI







## □ HDBaseT Extenders

### HDBaseT PRODUCTS FROM CYPRESS TAIWAN

#### HDBaseT MULTI-MEDIA NETWORKING SYSTEM STANDARD

HDBaseT technology runs over standard Cat5e/6 cable and implements 5Play; an unrivaled feature-set that converges full uncompressed HD video, audio, 100BaseT Ethernet, and various control signals plus up to 100W of Power-Over-Ethernet - that's enough to drive a 37-inch TV.

And it can extend up to 100 metres passively. HDBaseT has the bandwidth to support the highest video resolutions such as full HD 1080p as well as 3D and 2Kx4K formats. HDBaseT is the first to provide all-in-one connectivity, making it possible for a single-connector TV to receive power, video/audio, Internet and control signals from the one cable.

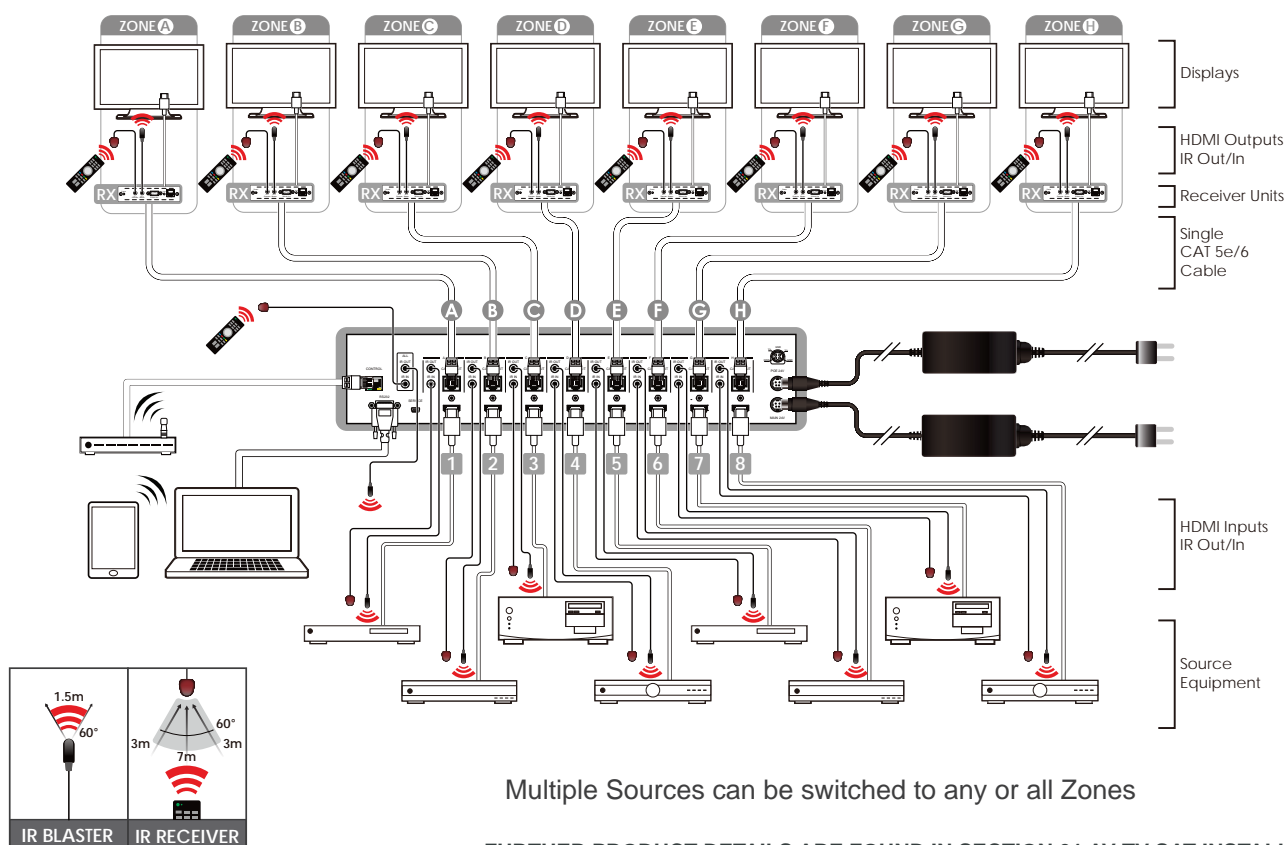
What makes HDBaseT so impressive is that it is sending more info than HDMI can, over a set of 8 wires within a standard Cat5e or Cat6 cable. How can it do this? Well, it uses much lower frequency modulated packets. These are not IP packets like you find in Gigabit Ethernet. Since they run on such low frequency, they are not subjected to typical EM (electromagnetic) interference. That means you can sit the cables in front of microwave or a cell phone and there are no problems with signal degradation.



#### 5Play: HDBaseT's Protocol:

HDBaseT's Protocol allows you to literally NETWORK your AV sources and displays just like you would your home data network. Called 5Play. Want to watch your living room Blu-ray in your bedroom? Check. How about your bedroom's cable box in your theatre room? Check. Theatre room's Xbox 360 in your children's room? Check? How about allowing three televisions to watch the grand-final from your single Dish Network set top box at the same time? Check. Check. Check! HDBaseT enables a network of sources - such as digital video recorders (DVR), Blu-ray disc players, game consoles, PCs and mobile devices to be connected directly to displays in multiple locations. It allows users an independent yet fully compatible experience. HDBaseT LAN-based technology makes it possible to cut out the assortment of cables for audio, video, connecting CE devices. IR, networking... it's all there. Send three different sources to three different displays and switch them at will using an HDBaseT hub, easy.

#### HDBaseT Matrix Switch Example





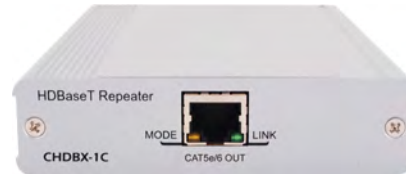


## HDBaseT PRODUCTS FROM CYPRESS TAIWAN



FURTHER PRODUCT DETAILS  
ARE FOUND IN SECTION  
01 AV TV SAT INSTALL

SEE  
SECTION  
01



## HDBaseT MATRIXES

FURTHER PRODUCT DETAILS ARE FOUND IN SECTION 01 AV TV SAT INSTALL

Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
4x HDMI	4x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	Yes	100M	Yes	CMSI-4H4CV
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	Yes	100M	Yes	CMSI-8H8CV
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	-	-	100M	Yes	CMSI-424L
4x HDMI	4x CAT5e/6/7, 2x HDMI	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-424E
4x HDMI	4x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	-	60M	Yes	CMSI-4H4CVL
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	-	-	60M	Yes	CMSI-8H8CVL
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-8H8CVE
8x HDMI	8x CAT5e/6/7	-	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CMSI-18H8CVE

## HDBaseT TRANSMITTERS

FURTHER PRODUCT DETAILS ARE FOUND IN SECTION 01 AV TV SAT INSTALL

Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
8x HDMI	8x CAT5e/6/7	Yes	No	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CSI-8H8CV2IR
8x HDMI	8x CAT5e/6/7	No	No	Yes	No	CAT5e/6/7	Yes	Yes	Yes	CSI-8H8CVTX

## HDBaseT EXTENDERS

FURTHER PRODUCT DETAILS ARE FOUND IN SECTION 01 AV TV SAT INSTALL

Type	Input	Output	4K	3D	IR	RS-232	PoE	Ethernet	HD Audio	HDCP	Code
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1109TXC
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-1109RXC
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	CH-507RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-506RXL
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	CH-506TXPL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	CH-506RXPL
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	CH-506TXWP
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	CH-506RXWP
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-501TX
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	No	No	Yes	Yes	CH-501RX
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	-	-	-	Yes	Yes	CH-514TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	-	-	-	Yes	Yes	CH-514RXL
Transmitter	1x HDMI	1x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	Yes	CH-513TXL
Receiver	1x CAT5e/6/7	1x HDMI	Yes	Yes	Yes	Yes	-	-	Yes	Yes	CH-513RXL
Transmitter	1x DVI	1x CAT5e/6/7	Yes	Yes	-	-	No	No	Yes	Yes	CDVI-513TXL
Receiver	1x CAT5e/6/7	1x DVI	Yes	Yes	-	-	No	No	Yes	Yes	CDVI-513RXL

## HDBaseT SPLITTERS

FURTHER PRODUCT DETAILS ARE FOUND IN SECTION 01 AV TV SAT INSTALL

Input	Output	4K	3D	HD Audio	IR	RS-232	Ethernet	PoE	Cable Length	HDCP	Code
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	-	60M	Yes	CHDBT-1H1CL
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H3CL
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	-	60M	Yes	CHDBT-1H7CL
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	-	Yes	60M	Yes	CHDBT-1H1CPL
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H3CPL
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	-	Yes	60M	Yes	CHDBT-1H7CPL
1x HDMI	1x HDMI, 1x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H1CE
1x HDMI	1x HDMI, 2x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-1H2CE
1x HDMI	1x HDMI, 3x CAT5e/6/7	Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H3CE
1x HDMI	1x HDMI, 7x CAT5e/6/7	Yes	Yes	Yes	Yes	-	Yes	Yes	100M	Yes	CHDBT-1H7CE
2x HDMI	1x HDMI, 8x CAT5e/6/7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100M	Yes	CHDBT-2H8CE

## HDBaseT REPEATERS

FURTHER PRODUCT DETAILS ARE FOUND IN SECTION 01 AV TV SAT INSTALL

Input	Output	IR Extension	RS232 Extension	PoE	Ethernet	Extender Cable	HD Audio	3D	HDCP	Code
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	Yes	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1C
CAT5e/6/7	CAT5e/6/7	Yes	Yes	Yes	-	CAT5e/6/7	Yes	Yes	Yes	CHDBX-1CL





## Rack Cabinets & Accessories

### 10" Racks & Accessories

#### 10" CABINET RACK

##### MINI PROFESSIONAL

Small-Office/Home-Office. Store & organise networking products and cables in an all-metal pro enclosure. Offers Ample ventilation. Sturdy metal construction. Glass door for easy view, key-locked security. Neat and tidy solution. Assorted access holes. Black anodised painted. Reduces noise & clutter

##### 6 UNIT 10"

**Rack** 6 Units  
**Size** 350Wx225Dx335Hmm  
**Code** DACAB6RU

##### 9 UNIT 10"

**Rack** 9 Units  
**Size** 350Wx225Dx490Hmm  
**Code** DACAB9RU



#### 10" 1RU HINGED WALL FRAME

1RU Hinged wall bracket with covers to suit 10" SOHO Panels

**Size** 265x74x47mm  
**Code** DA-10-BRACKET



#### 10" SHELF

1U support shelf

**Depth** 135mm  
**Code** DA10-SHELF



STOCK MAY VARY FROM ILLUSTRATION

#### 10" 1U RACK ETHERNET SWITCH 4-PORT+1

Mini rack N-Way Fast Ethernet Switch. Metal enclosure. 1 Up-link port, 4x 10/100 Ethernet ports. 16 LED status display. Includes brackets. Size: 215x105x45mm

**Code** SW405



#### 10" CABLE MANAGER

Three "C" clips to hold and organise cable entry/exit. Neat and tidy with front fascia cover. Includes screws

**Mount** 235-240mm  
**Size** 255x44x80mm  
**Suit** 10"  
**Rack** 1U  
**Code** DA10-207



#### 10" BLANK

Amdex is a leader in professional IT 3rd party tested to industry specifications. 1U Metal Blank Panel. Includes mount screws.

**Mount** 235-240mm  
**Size** 255x44mm  
**Suit** 10"  
**Rack** 1U  
**Code** DA10-BLANK



#### 10" UNEQUIPPED HEXAGONAL

Mounting solution. Requires Sockets. Supplied empty. Metal Panel with 10 HEX shaped holes. Numbered & Labelled. Rack screws inc.

**Hole** 10x 9.5mmØ  
**Suit** 10"  
**Rack** 1U  
**Code** DA10-HEX



#### 10' UNEQUIPPED KEYSTONE

Socket Mounting solution. Requires Keystone pieces supplied separately. Metal Panel w/ 8 holes 16x14mm Keystone clips Numbered & Labelled. Includes rack screws.

**Rack** 1U  
**Code** DA10-BEZ



#### 10" CAT5e EQUIPPED

Front RJ45 Sockets Numbered & Labelled Rear single appearance Punch 110 Tool type Krone® compatible Includes screws

##### 8 WAY

**Code** DA10-8P-C5E



##### 12 WAY

**Code** DA10-12P-C5E



#### 10" CAT6 EQUIPPED

Front RJ45 Sockets Numbered & Labelled Rear single appearance Punch 110 Tool type Krone® compatible Category.6 tested

##### 8 WAY

**Code** DA10-8P-C6



##### 12 WAY

**Code** DA10-12P-C6



#### 10" VOICE PANEL

Connect single input to 4 Exchange lines with 6 extensions per line (4x6) Punch 110 Tool type Krone® compatible inline DIP switch Optional front entry Rear cable organiser

**Code** DA10-VC



#### 10" VOICE PANEL

AMDEX® 10" Panel 2x10 Pair Disconnect Modules (Push-Down Type)

**Code** DA10-20P







## 19" Rack Cabinets

### WALL MOUNT SWING CABINETS - GLASS DOOR - 4U TO 18U

#### WELD ASSEMBLED TYPE - HINGED BACK - SQ BOX BACK

Heavy duty wall frame with cable ports. Designed to be wall mounted with back hinge to swing the entire cabinet open for easier rear of unit item access. Professional design & manufacture. Full enclosure secures IT equipment. All metal bolt-together construction. Full adjustable internal mountings. Ventilation and cable access ports. Optional fan locations (extra). Hinged lockable door with glass. Removable side access panels. Shelving is available separately.

- Elegant design, exquisite techniques, precise size, in the fashion, adds value to your project
- Static loading: 60kg
- Convenient wall installation design
- Cable entry on the top and bottom can be closed
- Conveniently detachable side doors, front and back door, to operate all-round, observe multidirectional
- Side door lock optional extra
- Top fan optional extra
- Caster wheels optional extra
- Door can be open from either side (no tools are required)
- Surface treatment: Degreasing, pickling, phosphorescence, ablution and powder coating



Shown with Side access panel removed (Is Supplied)

#### SENT BY ROAD TRANSPORT - DELIVERY COST IS INCLUDED\*

Delivery service is available Australia wide at our usual courier cost (Excluding some remote areas). Due to size and weight, please allow extra time for road transport delivery.



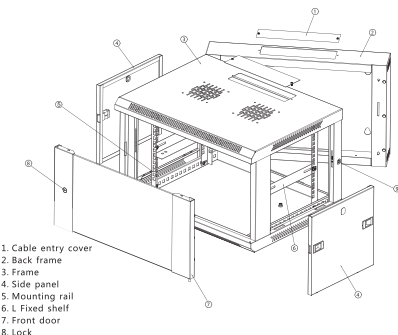
Rack	Height	Depth	Width	Delivery	Code
4U	330	600	600	Road	ROC4U
6U	390	550	600	Road	ROC6U
9U	520	600	600	Road	ROC9U
12U	655	550	600	Road	ROC12U
15U	770	660	600	Road	ROC15U
18U	950	550	600	Road	ROC18U



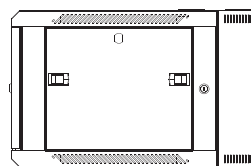
#### SQ-BACK OPTIONAL ACCESSORIES

Popular selection. More items available. See the following pages...

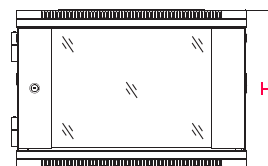
Description	Code
Fix shelf to suit Wall Swing Cabinets	SHF107
Cabinet side door lock	LOCK21
Rack fan kit with power supply	RFK105



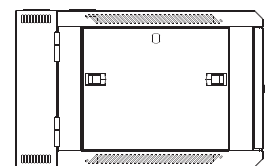
1. Cable entry cover
2. Back frame
3. Frame
4. Side panel
5. Mounting rail
6. L Fixed shelf
7. Front door
8. Lock



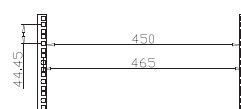
Side



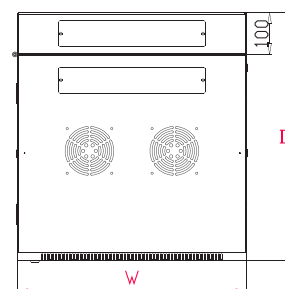
Front



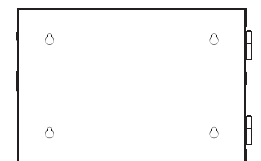
Side



Installation size



Top



Back







## WALL MOUNT CABINETS - GLASS DOOR - 4U TO 15U

### 19" RACK UNITS WALL MOUNT - GLASS DOOR

Professional design & manufacture. Full enclosure secures IT equipment. All metal bolt-together construction. Attractive black powder coat finish. Ventilation and cable access ports. Optional fan locations (Fans extra). Hinged lockable door with glass. Removable side access panels. Removable back access panel (Not a door).

- Elegant design, exquisite techniques, precise size, in the fashion
- Adds value to your project
- Static loading: 60kg
- Convenient wall installation design
- Cable entry on the top and bottom can be closed
- Conveniently detachable side doors, front and back door, to operate all-round, observe multidirectional
- Side door lock optional
- Top fan optional
- The door can be open from either side (No tools are required)
- Surface treatment: Degreasing, pickling, phosphorescence, ablation and powder coating

#### AVAILABLE WITH TRANSPORTING OPTIONS:

- 1/ FLAT-PACK - ROAD TRANSPORT DELIVERED 
- 2/ ASSEMBLED - ROAD TRANSPORT DELIVERED
- 3/ FLAT-PACK - PICKUP 
- 4/ ASSEMBLED - PICKUP



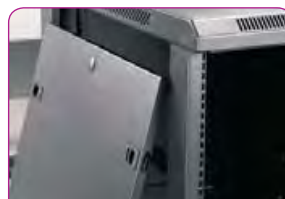
REMOVABLE SIDE ACCESS PANELS



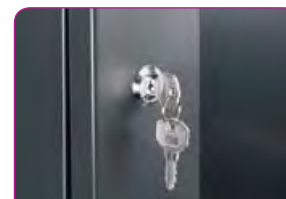
RAISE WITH U MARK



EARTHING SCREW



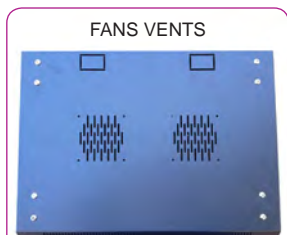
REMOVEABLE  
SIDE DOOR



FRONT DOOR LOCK



CASTER WHEEL  
OPTION



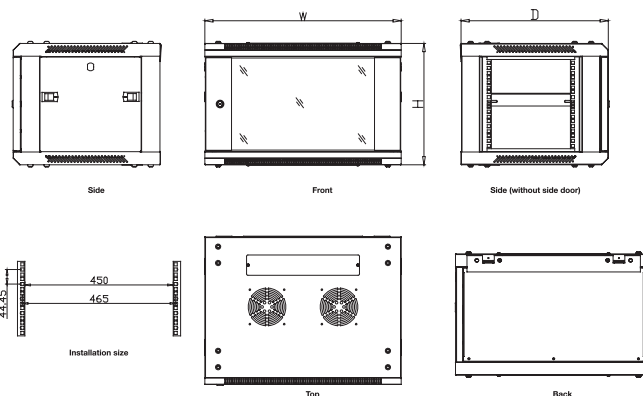
FANS VENTS  
FAN KIT AVAILABLE



SIDE LOCK  
OPTIONAL



#### Main Dimension







## WALL MOUNT CABINETS - GLASS DOOR - 4U TO 15U – Continued...

### WALL MOUNT CABINETS - DELIVER BY ROAD TRANSPORT

Sent by road. [ Incurred transport costs included\*\*. ]

Delivery service is available Australia wide at our usual courier cost (\*\*Excluding some remote areas). Due to size and weight, please allow extra time for road transport delivery. Instructions included. Shelving and fans are optional extras.



Rack	Height	Depth	Width	Wheels	Packaging	Delivery	Code
4U	330	300	600	-	Flat Pack	Road	RWC4-300
4U	330	300	600	-	Assembled	Road	RWC43ASY
4U	330	450	600	-	Flat Pack	Road	RWC4-450
4U	330	450	600	-	Assembled	Road	RWC44ASY
4U	330	600	600	-	Flat Pack	Road	RWC4-600
4U	330	600	600	-	Assembled	Road	RWC46ASY
6U	370	300	600	-	Flat Pack	Road	RWC6-300
6U	370	300	600	-	Assembled	Road	RWC63ASY
6U	370	450	600	-	Flat Pack	Road	RWC6-450
6U	370	450	600	-	Assembled	Road	RWC64ASY
6U	370	600	600	-	Flat Pack	Road	RWC6-600
6U	370	600	600	-	Assembled	Road	RWC66ASY
9U	520	450	600	-	Flat Pack	Road	RWC9-450
9U	520	450	600	-	Assembled	Road	RWC94ASY
9U	520	600	600	-	Flat Pack	Road	RWC9-600
9U	520	600	600	-	Assembled	Road	RWC96ASY
12U	635	300	600	4x	Flat Pack	Road	RWC12-300
12U	635	300	600	4x	Assembled	Road	RWC123ASY
12U	635	450	600	4x	Flat Pack	Road	RWC12-450
12U	635	450	600	4x	Assembled	Road	RWC124ASY
12U	635	600	600	4x	Flat Pack	Road	RWC12-600
12U	635	600	600	4x	Assembled	Road	RWC126ASY
12U	720	900	600	4x	Flat Pack	Road	RWC12-900
12U	720	900	600	4x	Assembled	Road	RWC129ASY
15U	770	450	600	4x	Flat Pack	Road	RWC15-450
15U	770	450	600	4x	Assembled	Road	RWC154ASY
15U	770	600	600	4x	Flat Pack	Road	RWC15-600
15U	770	600	600	4x	Assembled	Road	RWC156ASY

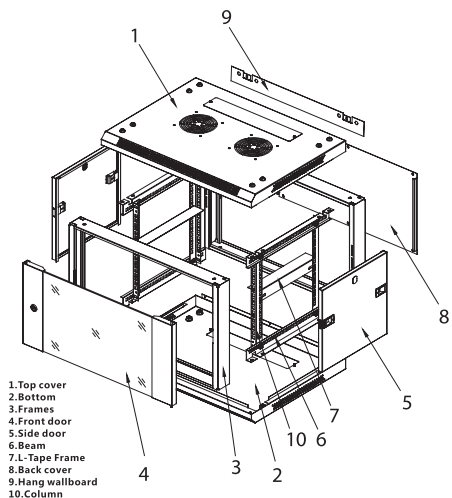
### WALL MOUNT CABINETS - PICK UP

These items are pick up only. Delivery is NOT included.

Cost does NOT include delivery. Pickup from our Sydney show room. Supplied flat packaging. Requires assembly. Instructions included.



Rack	Height	Depth	Width	Wheels	Packaging	Delivery	Code
4U	330	300	600	-	Flat Pack	Pickup	RWC43PU
4U	330	300	600	-	Assembled	Pickup	PWC43ASY
4U	330	450	600	-	Flat Pack	Pickup	RWC44PU
4U	330	450	600	-	Assembled	Pickup	PWC44ASY
4U	330	600	600	-	Flat Pack	Pickup	RWC46PU
4U	330	600	600	-	Assembled	Pickup	PWC46ASY
6U	370	300	600	-	Flat Pack	Pickup	RWC63PU
6U	370	300	600	-	Assembled	Pickup	PWC63ASY
6U	370	450	600	-	Flat Pack	Pickup	RWC64PU
6U	370	450	600	-	Assembled	Pickup	PWC64ASY
6U	370	600	600	-	Flat Pack	Pickup	RWC66PU
6U	370	600	600	-	Assembled	Pickup	PWC66ASY
9U	520	450	600	-	Flat Pack	Pickup	RWC94PU
9U	520	450	600	-	Assembled	Pickup	PWC94ASY
9U	520	600	600	-	Flat Pack	Pickup	RWC96PU
9U	520	600	600	-	Assembled	Pickup	PWC96ASY
12U	635	300	600	4x	Flat Pack	Pickup	RWC123PU
12U	635	300	600	4x	Assembled	Pickup	PWC123ASY
12U	635	450	600	4x	Flat Pack	Pickup	RWC124PU
12U	635	450	600	4x	Assembled	Pickup	PWC124ASY
12U	635	600	600	4x	Flat Pack	Pickup	RWC126PU
12U	635	600	600	4x	Assembled	Pickup	PWC126ASY
12U	720	900	600	4x	Flat Pack	Pickup	RWC129PU
12U	720	900	600	4x	Assembled	Pickup	PWC129ASY
15U	770	450	600	4x	Flat Pack	Pickup	RWC154PU
15U	770	450	600	4x	Assembled	Pickup	PWC154ASY
15U	770	600	600	4x	Flat Pack	Pickup	RWC156PU
15U	770	600	600	4x	Assembled	Pickup	PWC156ASY



\*Due to size, delivery incurs additional costs. Available in pickup form (No transport costs) or with a delivery surcharge in the cost to cover transport costs over and above the standard courier charge. Shelving, fans and accessories are available separately.





## WALL MOUNT CABINETS - GLASS / VENT DOOR - 18U TO 27U

### 19" RACK UNITS - SQ SERIES - DOOR "T" [GLASS] & "P" [BACK]

Professional design & manufacture. Full enclosure secures IT equipment. All metal bolt-together construction. Attractive black powder coat finish. Ventilation and cable access ports. Optional fan locations (Fans extra). Hinged lockable glass door with vent. Removable side access panels. Removable back access panel.

### 19" WALL CABINETS - DELIVERY BY ROAD TRANSPORT

**Sent by road. [ Incurred transport costs included\*\*. ]**

Delivery service is available Australia wide at our usual courier cost (\*\*Excluding some remote areas). Due to size and weight, please allow extra time for road transport delivery. Instructions included. Includes wheels & one shelf. Extra shelving and fans are optional extras.



Rack	Height	Depth	Width	Packaging	Delivery	Code
12U	635	450	600	Flat Pack	Road	RWC12-450-1
12U	635	450	600	Assembled	Road	RWC124ASY-1
12U	635	600	600	Flat Pack	Road	RWC12-600-1
12U	635	600	600	Assembled	Road	RWC126ASY-1
15U	770	450	600	Flat Pack	Road	RWC15-450-1
15U	770	450	600	Assembled	Road	RWC154ASY-1
15U	770	600	600	Flat Pack	Road	RWC15-600-1
15U	770	600	600	Assembled	Road	RWC156ASY-1
18U	900	450	600	Flat Pack	Road	RWC18-450
18U	900	450	600	Assembled	Road	RWC184ASY
18U	900	600	600	Flat Pack	Road	RWC18-600
18U	900	600	600	Assembled	Road	RWC186ASY
22U	1200	450	600	Flat Pack	Road	RWC22-450
22U	1200	450	600	Assembled	Road	RWC224ASY
22U	1200	600	600	Flat Pack	Road	RWC22-600
22U	1200	600	600	Assembled	Road	RWC226ASY
27U	1400	450	600	Flat Pack	Road	RWC27-450
27U	1400	450	600	Assembled	Road	RWC274ASY
27U	1400	600	600	Flat Pack	Road	RWC27-600
27U	1400	600	600	Assembled	Road	RWC276ASY



\*Due to size, delivery incurs additional costs. Available in pickup form (No transport costs) or with a delivery surcharge in the cost to cover transport costs over and above the standard courier charge. Shelving, fans and accessories are available separately.

### 19" WALL CABINETS - PICK UP

**These items are pick up only. Delivery is extra.**

Cost does NOT include delivery. Pickup from our Sydney show room. Supplied flat packaging. Requires assembly. Instructions included.



Rack	Height	Depth	Width	Packaging	Delivery	Code
12U	635	450	600	Flat Pack	Pickup	RWC124-1-PU
12U	635	450	600	Assembled	Pickup	PWC124ASY-1
12U	635	600	600	Flat Pack	Pickup	RWC126-1-PU
12U	635	600	600	Assembled	Pickup	PWC126ASY-1
15U	770	450	600	Flat Pack	Pickup	RWC154-1-PU
15U	770	450	600	Assembled	Pickup	PWC154ASY-1
15U	770	600	600	Flat Pack	Pickup	RWC156-1-PU
15U	770	600	600	Assembled	Pickup	PWC156ASY-1
18U	900	450	600	Flat Pack	Pickup	RWC184PU
18U	900	450	600	Assembled	Pickup	PWC184ASY
18U	900	600	600	Flat Pack	Pickup	RWC186PU
18U	900	600	600	Assembled	Pickup	PWC186ASY
22U	1200	450	600	Flat Pack	Pickup	RWC224PU
22U	1200	450	600	Assembled	Pickup	PWC224ASY
22U	1200	600	600	Flat Pack	Pickup	RWC226PU
22U	1200	600	600	Assembled	Pickup	PWC226ASY
27U	1400	450	600	Flat Pack	Pickup	RWC274PU
27U	1400	450	600	Assembled	Pickup	PWC274ASY
27U	1400	600	600	Flat Pack	Pickup	RWC276PU
27U	1400	600	600	Assembled	Pickup	PWC276ASY



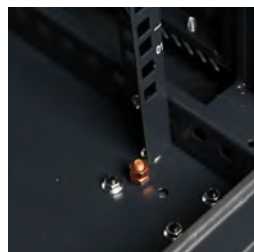
**TOP:**  
Holes for optional  
RFK105 fan kit.  
(Not Included)



**INSIDE:**  
More shelves  
available, see:  
SHF102  
SHF107  
SHF115



**SIDE ENTRY:**  
Optional Key Lock  
LOCK21 (x2)  
Not Included







## WALL MOUNT CABINET ACCESSORIES

### OPTIONAL FIXED SHELF

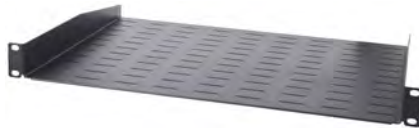
Solid fixed shelf metal construction  
Ventilation slots. Black anodised.  
To select the correct shelf: See  
"Depth" value and apply it to the  
"Suits" value in the table below.



Size	Suits	Code
190x482mm	300	SHF102
270x482mm	450	SHF107
345x482mm	600	SHF115

### OPTIONAL 1RU SHELF

1RU rack cabinet mounting shelf.  
Mountable from the front. Cage  
nuts are included for installation.



Depth	Code
150mm	SHF159
200mm	SHF160
250mm	SHF172
350mm	SHF173
450mm	SHF174

Max weight is 25Kg. Depth is actual measured.

### OPTIONAL 2RU SHELF

2RU rack cabinet mounting shelf.  
Mountable from the front. It can  
hold a maximum of 30kg. Cage  
nuts are included for installation.



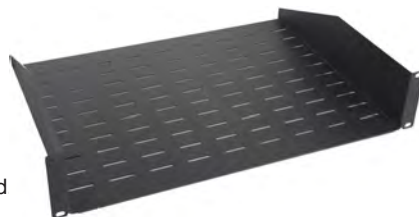
Depth	Code
250mm	SHF150
350mm	SHF151
450mm	SHF152

Max weight is 30Kg.  
Depth is actual measured.

### OPTIONAL 2RU SHELF SLIM

#### 30KG MAXIMUM LOAD

Slimline design 2RU rack cabinet mounting shelves.  
Mountable from the front. They can hold a maximum  
of 30kg. Heavy gauge steel. Cage nuts are included  
for installation.



Depth	Code
250mm	SHF161
350mm	SHF162
450mm	SHF163

Max weight is 30Kg.  
Depth is actual measured



MINIMUM FLAT EDGE SHELF

### OPTIONAL FLOOR WHEELS

Floor wheels with locking clutch.  
Fits the SQ range of cabinets.  
Supplied in a pack of four.



Code  
RWC-100

### OPTIONAL CABINET SIDE LOCK

Cabinet lock with 2 keys  
90° Turns.  
To fit 18mm hole



Arm Code  
46mm LOCK21

### OPTIONAL VENTILATION FAN KIT

Cast frame 120x38mm Direct to cabinet mounting solution Fit roofs  
or walls Suits rack cabinets Long life bearings 12Vdc low-noise fans  
Includes power pack Includes finger guards Includes two fans.



Code  
RFK105

### PDU HORIZONTAL POWER RAILS

#### BUILT-IN THERMAL CIRCUIT BREAKER

1RU power strip with 8 WAY 3 pin 10A GPO power sockets.  
3 metre 3x 1.5mm² power lead with SAA plug. 10A Thermal  
circuit breaker. Size: 482x45x95mm (Counter Sink: 50mm)

Amps	Input	Lead	Output	Code
10A	10A Plug	3M	8x GPO (10A)	PDH802



### OPTIONAL POWER RAIL 6/8 WAY

#### ALL METAL CASING WITH ILLUMINATED MASTER SWITCH

1RU height, 19" horizontal mount rack mount with SAA outlets 10A.  
Illuminated master power switch with protective cover. 10A Resettable  
thermal circuit breaker. Quality made Aluminium-alloy metal casing.  
Heavy duty 3x1.5mm² power cord 2M to standard 10A plug, all black.  
Australian Approved. SAA100425EA. 45x45x482mm in size.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	6x GPO	PDH600
10A	10A Plug	2M	8x GPO	PDH800



MANY MORE ACCESSORIES AVAILABLE  
SEE THE FOLLOWING PAGES





## FLOOR RACK CABINETS - GLASS DOOR - 18U TO 45U

### FRONT DOOR GLASS - BACK DOOR PANEL

Designed for durability and reliability. Made with SPCC cold rolled steel, the 19" rack floor mount offers up to 800kg of static loading capacity. There is a stylish glass door at the front and a steel door at the back to allow access to the rack. Alternatively, the user can get inside the rack by taking out the removable side panels. The elegant door hinge design allows the door to open up to 180°. The cabinets includes adjustable feet, heavy duty castors, fixed shelves and a Bonus PDU in selected models. This model is available from 12U to 45U.

- Reliable structure. Static loading capacity: 800kg
- Adjustable feet and heavy duty castors included.
- Optional cable entry on top and bottom panel.
- Front, rear and side panels can be removed.
- Heights from 12RU to 45RU
- Depth options from 450 to 1000 depends on models.



Shelving and fans are available separately.



**THESE ITEMS ARE PICK UP  
DELIVERY IS AVAILABLE  
AT ADDITIONAL COST  
PLEASE ENQUIRE**

### 19" FLOOR CABINETS - PICK UP

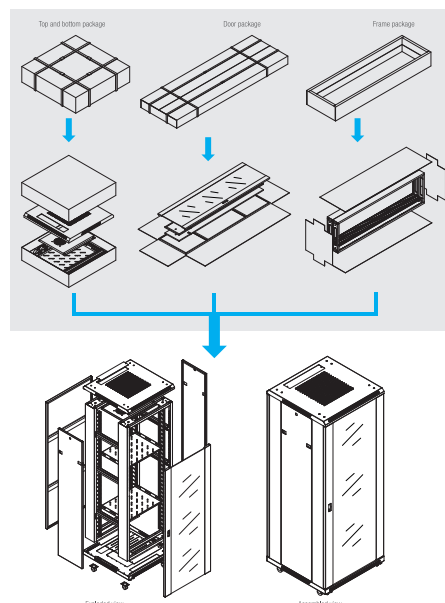
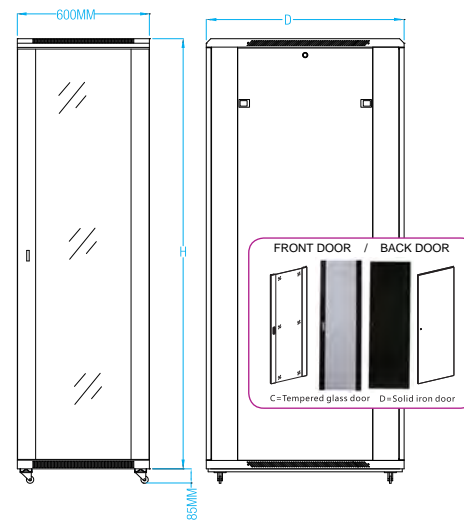
Cost does NOT include delivery.  
Pickup from our Sydney show room.  
Supplied in flat packaging.  
Requires assembly. Instructions included.



**THESE ITEMS ARE PICK UP ONLY.  
DELIVERY IS AVAILABLE AT EXTRA COST.**

Shelving and fans are available separately.

Rack	Height	Depth	Width	Shelf	Packaging	Delivery	Code
18U	900	600	600	1x	Flat Pack	Pickup	RC186U
18U	900	600	600	1x	Assembled	Pickup	RC186ASY
18U	990	800	600	1x	Flat Pack	Pickup	RC188U
18U	990	800	600	1x	Assembled	Pickup	RC188ASY
18U	990	1000	600	1x	Flat Pack	Pickup	RC181U
18U	990	1000	600	1x	Assembled	Pickup	RC181ASY
22U	1200	600	600	1x	Flat Pack	Pickup	RC226U
22U	1200	600	600	1x	Assembled	Pickup	RC226ASY
22U	1200	800	600	1x	Flat Pack	Pickup	RC228U
22U	1200	800	600	1x	Assembled	Pickup	RC228ASY
22U	1200	1000	600	1x	Flat Pack	Pickup	RC221U
22U	1200	1000	600	1x	Assembled	Pickup	RC221ASY
27U	1400	600	600	1x	Flat Pack	Pickup	RC276U
27U	1400	600	600	1x	Assembled	Pickup	RC276ASY
27U	1400	800	600	1x	Flat Pack	Pickup	RC278U
27U	1400	800	600	1x	Assembled	Pickup	RC278ASY
27U	1400	1000	600	1x	Flat Pack	Pickup	RC271U
27U	1400	1000	600	1x	Assembled	Pickup	RC271ASY
32U	1600	600	600	2x	Flat Pack	Pickup	RC326U
32U	1600	600	600	2x	Assembled	Pickup	RC326ASY
32U	1600	800	600	2x	Flat Pack	Pickup	RC328U
32U	1600	800	600	2x	Assembled	Pickup	RC328ASY
32U	1600	1000	600	2x	Flat Pack	Pickup	RC321U
32U	1600	1000	600	2x	Assembled	Pickup	RC321ASY
37U	1745	600	600	2x	Flat Pack	Pickup	RC376U
37U	1745	600	600	2x	Assembled	Pickup	RC376ASY
37U	1745	800	600	2x	Flat Pack	Pickup	RC378U
37U	1745	800	600	2x	Assembled	Pickup	RC378ASY
37U	1745	1000	600	2x	Flat Pack	Pickup	RC371U
37U	1745	1000	600	2x	Assembled	Pickup	RC371ASY
42U	2000	1000	600	3x	Flat Pack	Pickup	RC421U
42U	2000	1000	600	3x	Assembled	Pickup	RC421ASY
42U	2000	600	600	3x	Flat Pack	Pickup	RC426U
42U	2000	600	600	3x	Assembled	Pickup	RC426ASY
42U	2000	800	600	3x	Flat Pack	Pickup	RC428U
42U	2000	800	600	3x	Assembled	Pickup	RC428ASY
45U	2100	600	600	3x	Flat Pack	Pickup	RC456U
45U	2100	600	600	3x	Assembled	Pickup	RC456ASY
45U	2100	800	600	3x	Flat Pack	Pickup	RC458U
45U	2100	800	600	3x	Assembled	Pickup	RC458ASY
45U	2100	1000	600	3x	Flat Pack	Pickup	RC451U
45U	2100	1000	600	3x	Assembled	Pickup	RC451ASY







## FLOOR RACK CABINETS - VENT DOORS - 47U

### FRONT DOOR VENTILATED - BACK DOOR VENTILATED BARN (DOUBLE)

Designed for durability and reliability. Made with SPCC cold rolled steel, the 19" rack floor mount offers up to 800kg of static loading capacity. There is a single vented door at the front and a double vented door at the back of the rack to allow access to the rack. Alternatively, the user can get inside the rack by taking out the removable side panels. The elegant door hinge design allows the door to open up to 180°. The cabinets includes adjustable feet, heavy duty castors, fixed shelves and PDUs in selected models. This model is available in 47RU with assorted depths.

- Reliable structure. Static loading capacity: 800kg
- Single vented door at the front and a double vented door rear.
- Adjustable feet and heavy duty castors are supplied.
- Front door reversible, rear and side panels can be removed.
- 47RU in height 2270mm for professional data centre storage
- Depth options from 600mm to 1100mm depending on models
- Includes fan vents with a 4 way fan tray with 12V power-pack
- Cable management (Left & Right) and includes 3x shelves
- Bonus 8-Way PDU Horizontal type power board
- Includes 3 shelves, 40 sets of cage nuts, and 4 caster wheels



FRONT

BACK

Rack	Height	Depth	Width	Packaging	Delivery	Code
47U	2270	600	600	Flat Pack	Pickup	RC476U
47U	2270	600	600	Assembled	Pickup	RC476ASY
47U	2270	800	600	Flat Pack	Pickup	RC478U
47U	2270	800	600	Assembled	Pickup	RC478ASY
47U	2270	1100	600	Flat Pack	Pickup	RC4711U
47U	2270	1100	600	Assembled	Pickup	RC4711ASY



FANS INCLUDED



MOUNTING



BOTTOM PANEL



**THESE ITEMS ARE PICK UP  
DELIVERY IS AVAILABLE  
AT ADDITIONAL COST  
PLEASE ENQUIRE**

## □ 19" Rack Cabinets Package & Transport Options

### CABINET PACKAGE & TRANSPORT OPTIONS



#### FLAT PACK CABINETS – PICKUP ONLY

These items are pick up only. Save as delivery is not included.

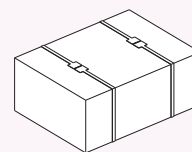
Cost does NOT include delivery. Pickup from our Sydney show room. Supplied flat packaging. Requires assembly. Instructions included.



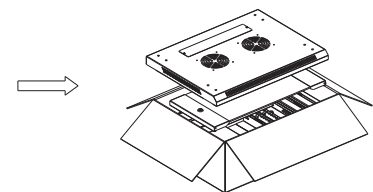
#### FLAT PACK CABINETS – DELIVERY INCLUDED

Sent by road. [ Incurred transport costs included\*\*. ]

Delivery service is available Australia wide at our usual courier cost (\*\*Excluding some remote areas). Due to size and weight, please allow extra time for road transport delivery. Instructions included. Shelving and fans are optional extras.



FLAT-PACK



#### FULLY PRE-ASSEMBLED CABINETS – PICKUP ONLY

Cost for pick up only.

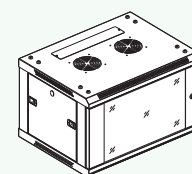
Cost does NOT include delivery. Pickup from our Sydney show room. Supplied pre-built. No assembly required. Please give us ample notice for construction time.



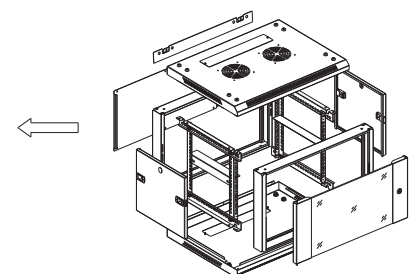
#### FULLY PRE-ASSEMBLED CABINETS – DELIVERY OPTIONAL

Delivery can be arranged at additional cost.

Delivery service is available Australia wide at additional cost. Due to size and weight, cost will vary depending on delivery location. Please contact us to quote and arrange delivery.



ASSEMBLED







## FLOOR CABINET ACCESSORIES

### REPLACEMENT FLOOR WHEELS

3" floor wheels with 2 lockable, 2 normal type. Fits cabinets. Supplied in group of four.

**Code**  
RWC-101



### CABINET SIDE LOCK

Cabinet lock with 2 keys  
Locks side cabinet access panels  
(Two required)  
To fit 18mm hole

**Arm Code**  
46mm LOCK21



### OPTIONAL 19" FIXED SHELF

Solid fixed shelf metal construction. Ventilation slots. Black.  
To select the correct shelf: See "Depth" value and apply it to the "Suits" value in the table below.

Size	Suits	Code
350x470mm	600	SHF101
550x470mm	800	SHF103
650x470mm	900	SHF113
710x470mm	1000	SHF109



### OPTIONAL RACK CEILING FANS

Fan tray with 12V fans to suit SJ series rack cabinets.  
Improve air circulation inside the cabinet and enhance cooling.  
12V Power plug-pack included.

Type	Size	Suits	Code
2x 120mm Fans	350x320x40mm	600	RFK102
4x 120mm Fans	550x420x40mm	800	RFK103
4x 120mm Fans	750x325x40mm	1000	RFK107
4x 120mm Fans	750x420x40mm	1000	RFK104



### CEILING FANS WITH BUILT-IN 240VAC POWER SUPPLY

Cast frame with 2x to 4x 120mm fans.  
Mounts to roof of rack cabinets  
Suits Floor standing servers  
With built-in power supply



Type	Size	Suits	Code
2x 120mm Fans	350x320x40mm	600	RFK201
4x 120mm Fans	550x320x40mm	800	RFK203
4x 120mm Fans	750x320x40mm	1000	RFK204

### FAN TRAY WITH TEMPERATURE CONTROL

The 1RU standard 19" fan tray with mounting brackets. With 2x 120mm high speed cooling fans. With illuminated on/off switch and programmable temperature control to set fan switch-on/off temp. Remote temperature sensor probe on a 1m cable. Includes C14 power socket and a 1m mains to C13 power cable.

Type	Size	Suits	Code
2x 120mm Fans	480x180x45mm	600+	RFK1003



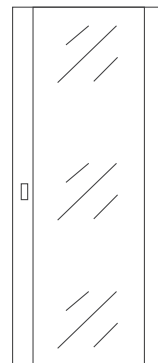
## FLOOR CABINET DOOR OPTIONS

### ALTERNATIVE DOOR STYLES AVAILABLE

Floor mount cabinets come standard with a standard glass door included. You may wish to order the cabinet with an alternative styled door as below. Cost is in addition to the rack cabinet. If purchased with the rack cabinet then transportation will be included with the cabinet's transportation costs incurred.



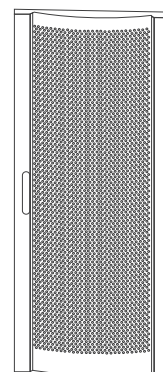
**THESE ITEMS ARE PICK UP  
DELIVERY IS AVAILABLE AT  
ADDITIONAL COST  
PLEASE ENQUIRE**



### DOOR - ARC SHAPED VENTED DOOR

Replacement door for the floor mount cabinets. The vented cabinet door improves air circulation and cooling inside the rack cabinet.

Rack	Width	Code
18RU	600	RC186MH
22RU	600	RC226MH
32RU	600	RC326MH
42RU	600	RC426MH
45RU	600	RC456MH

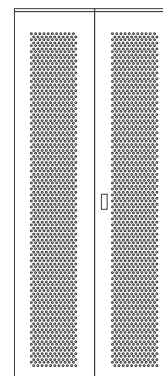


**DELIVERY IS AVAILABLE  
PLEASE ENQUIRE FOR A QUOTE**

### DOOR - VENTED DOUBLE/BARN DOORS

Replacement door for the floor mount cabinets. The double vented cabinet door improves air circulation and cooling inside the rack cabinet. The double door allows the user to open or close the door at a confined space.

Rack	Width	Code
18RU	600	RC186SD
22RU	600	RC226SD
32RU	600	RC326SD
42RU	600	RC426SD
45RU	600	RC456SD

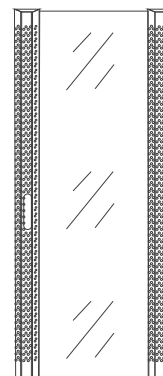


**DELIVERY IS AVAILABLE  
PLEASE ENQUIRE FOR A QUOTE**

### DOOR - GLASS WITH SIDE VENTS

Replacement door for the floor mount cabinets. The glass door with vents improves air circulation and cooling inside the rack cabinet. You can also see inside the cabinet through the glass door to monitor your equipment.

Rack	Width	Code
18RU	600	RC186TD
22RU	600	RC226TD
32RU	600	RC326TD
42RU	600	RC426TD
45RU	600	RC456TD



**DELIVERY IS AVAILABLE  
PLEASE ENQUIRE FOR A QUOTE**





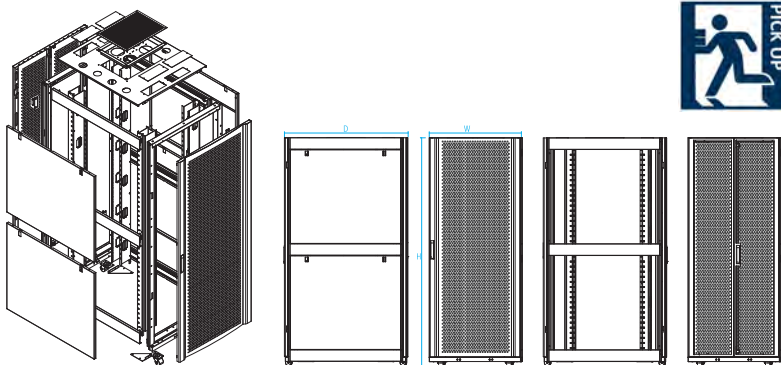
## 800MM WIDE HEAVY DUTY SERVER CABINET - 42U - 1200 KG

### EXTRA WIDE 800MM - GRILL FRONT AND BARN BACK DOORS

The 42RU 800mm wide heavy duty server cabinet is designed to provide an economical, easy to use and flexible solution to customers and installers. The server is made with SPCC cold rolled steel and is capable to withstand up to 1200kg maximum load. The server rack is built around the universal 19" standard to deliver compatibility with most common networking equipment on the market. It has a stylish arc vented front door and a vented double door at the back. There is also a fan tray at the top of the server for installing optional fans if needed. Easy to remove front, back and side doors provide excellent flexibility for installers working in the cabinet. There are several lockable wiring holes at the top for cable management purposes.

Accessories includes 40 set of cage nuts, 3 fixed shelves, 4x cabinet feet, 4x castors, 1x 15 way vertical PDU and 1x 4 fan tray (Note: Fans are sold separately).

Rack	Height	Depth	Width	Shelf	Wheels	Packaging	Delivery	Code
42RU	2000	870	800	3x	4x	Assembled	Pickup	RCA42878
42RU	2000	1070	800	3x	4x	Assembled	Pickup	RCA42108



**THESE ITEMS ARE PICK UP**  
DELIVERY IS AVAILABLE  
AT ADDITIONAL COST  
PLEASE ENQUIRE

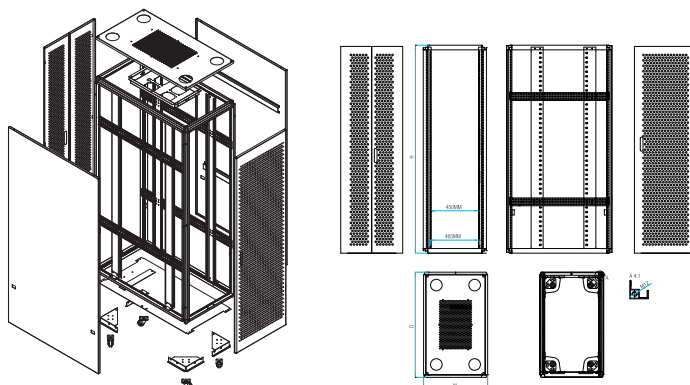
## EXTRA HEAVY DUTY SERVER CABINET - 42U - 1000 KG

### HEAVY DUTY RACK CABINETS SUPPORTS UP TO 1000KG

The 42U nine folding server rack is heavy duty cabinet that can handle a static load of up to 1000kg. Made with SPCC cold rolled steel and the frame is made of a nine folds structure and welded by special 3-Tees to provide the extra strength. The nine folding server rack has a single vented door at the front and a double vented door at the back of the rack to allow access to the rack. The side panels are removable to make it easier to work with equipments inside. Accessories includes 40 set of cage nuts, 3 fixed shelves, 4x cabinet feet, 4x castors, 1x 15 way vertical PDU and 2x vertical cable managers.

Rack	Height	Depth	Width	Shelf	Wheels	Packaging	Delivery	Code
42RU	2000	800	600	3x	4x	Assembled	Pickup	RC9-4286ASY
42RU	2000	1000	600	3x	4x	Assembled	Pickup	RC9-42106ASY
42RU	2000	1200	600	3x	4x	Assembled	Pickup	RC9-42126ASY

Nine folds and 3-Tees



**THESE ITEMS ARE PICK UP**  
DELIVERY IS AVAILABLE  
AT ADDITIONAL COST  
PLEASE ENQUIRE





## □ 19" Rack Accessories

### 19" BLANK PATCH PANEL FOR STP KEYSTONE JACKS

#### WITH EXTRA LONG STRAIN RELIEF BAR

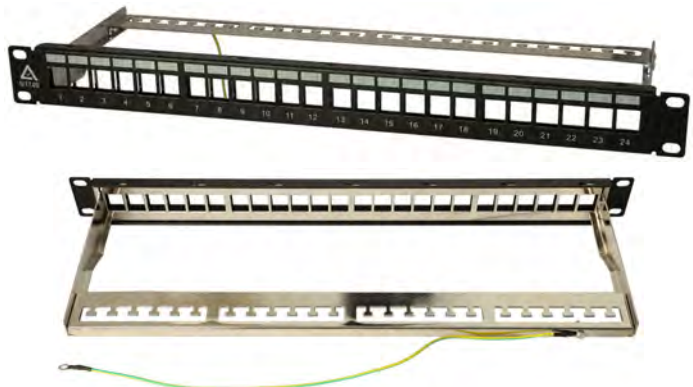
The 24-port blank patch panel is designed to use with STP keystone jacks. It can hold up to 24 RJ45 keystone jacks.

Numbered & Labelled.

It features a extra long cable strain relief bars and a earth cable.

Screws included for installation.

Build	Type	Ports	Height	Code
Empty	CAT6A - STP	24x	1RU	CMR112



### 19" PATCH PANEL - 24x STP CAT6A PORTS

#### WITH CAT6A FULLY SHIELDED KEYSTONE JACKS

The 1RU patch panel is suitable to use in a standard 19" cabinet.

The 24-port patch panel supports CAT6A cable. Numbered & Labelled.

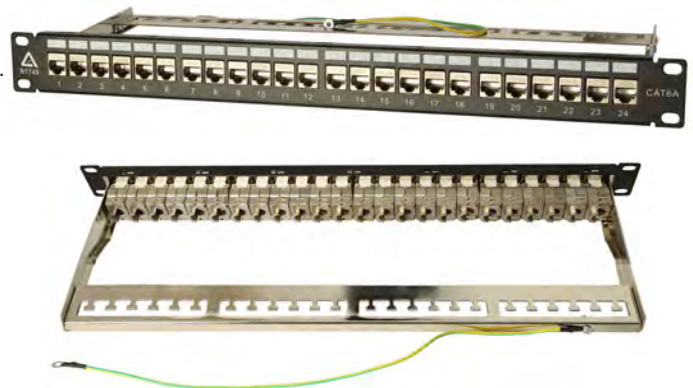
Includes 110 tool type Krone® compatible fully shielded punchdown keystones.

With extra long cable strain relief.

Compatible with T568A and T568B wiring.

Screws included for installation.

Build	Type	Ports	Height	Code
Kit	CAT6A - STP	24x	1RU	CAT6R216



### 19" BLANK PATCH PANEL FOR STP KEYSTONE JACKS

#### WITH STRAIN RELIEF BAR

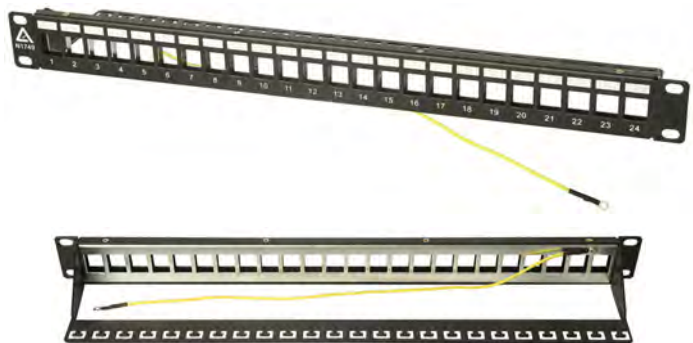
The 24-port blank patch panel is designed to use with STP keystone jacks. It can hold up to 24 RJ45 keystone jacks.

Numbered & Labelled.

It features a cable strain relief bars and a earth cable.

Screws included for installation.

Build	Type	Ports	Height	Code
Empty	CAT6A - STP	24x	1RU	CMR111



### 19" PATCH PANEL - 24x STP CAT6A PORTS

#### WITH FULLY SHIELDED KEYSTONE JACKS

The 1RU patch panel is suitable to use in a standard 19" cabinet.

The 24-port patch panel supports CAT6A cable. Numbered & Labelled.

Includes 110 tool type Krone® compatible fully shielded punchdown keystones.

With cable strain relief and eathing cable.

Compatible with T568A and T568B wiring.

Screws included for installation.

Build	Type	Ports	Height	Code
Kits	CAT6A - STP	24x	1RU	CAT6R207







## 19" PATCH PANEL - 0.5RU 24x UTP CAT5e PORTS

### 24 PORT 110 TYPE RACK MOUNT CAT5e PATCH PANEL

The 0.5RU high patch panel is suitable to use in a standard 19" cabinet. The 24-port patch panel supports CAT5e cable. Numbered & Labelled. Includes 110 tool type Krone® compatible punchdown keystones. With cable management fingers at the rear for cable strain relief. Compatible with T568A and T568B wiring. Screws included for installation.

Build	Type	Ports	Height	Code
Kit	CAT5e - UTP	24x	0.5RU	CAT5R106



## 19" PATCH PANEL - 0.5RU 24x UTP CAT6 PORTS

The compact 0.5RU patch panel is suitable to use in a standard 19" cabinet. The 24-port patch panel supports UTP CAT6 cable and backward compatible with CAT5e. Numbered & Labelled. Includes 110 tool type Krone® compatible punchdown keystones. With cable strain relief at the rear. Compatible with T568A and T568B wiring. Screws included for installation.

Build	Type	Ports	Height	Code
Kit	CAT6 - UTP	24x	0.5RU	CAT6R210

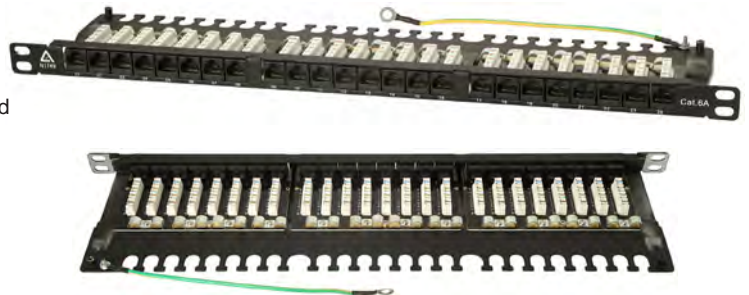


## 19" PATCH PANEL - 0.5RU 24x UTP CAT6A PORTS

### WITH UN-SHIELDED KEYSTONE JACKS

The compact 0.5RU patch panel is suitable to use in a standard 19" cabinet. The 24-port patch panel supports UTP CAT6A cable and backward compatible with CAT5e and CAT6. . Numbered & Labelled. Includes 110 tool type Krone® compatible punchdown keystones. With cable strain relief at the rear and earthing cable. Compatible with T568A and T568B wiring. Screws included for installation.

Build	Type	Ports	Height	Code
Kit	CAT6A - UTP	24x	0.5RU	CAT6R209



## 19" PATCH PANEL - 0.5RU 24x STP CAT6 PORTS

### INCLUDES PATCH PANEL COVER

The compact 0.5RU patch panel is suitable to use in a standard 19" cabinet. The 24-port patch panel supports STP CAT6 cable. Numbered & Labelled. Includes 110 tool type Krone® compatible punchdown keystones. Includes patch panel cover. With cable strain relief at the rear. Compatible with T568A and T568B wiring. Screws included for installation.

Build	Type	Height	Ports	Code
Kit	CAT6 - STP	0.5RU	24x	CAT6R212







## 19" PATCH PANEL - 0.5RU 24x STP CAT6A PORTS

### INCLUDES PATCH PANEL COVER

The compact 0.5RU patch panel is suitable to use in a standard 19" cabinet.  
The 24-port patch panel supports STP CAT6A cable.  
Numbered & Labelled.  
Includes 110 tool type Krone® compatible punchdown keystones.  
Includes patch panel cover.  
With cable strain relief at the rear and earthing cable.  
Compatible with T568A and T568B wiring.  
Screws included for installation.



Build	Type	Ports	Height	Code
Kit	CAT6A - STP	24x	0.5RU	CAT6R211

## 19" PATCH PANEL - 24x SFTP CAT6A PORTS

### WITH METAL COVER

The 1RU patch panel is suitable to use in a standard 19" cabinet.  
The 24-port patch panel supports SFTP CAT6A cable.  
Numbered & Labelled.  
Includes 110 tool type Krone® compatible shielded punchdown keystones.  
With cable management fingers at the rear for cable strain relief.  
Compatible with T568A and T568B wiring.  
Screws included for installation.



Build	Type	Ports	Height	Code
Kit	CAT6A - SFTP	24x	1RU	CAT6R206

## 19" PATCH PANEL - 0.5RU 24x SFTP CAT6A PORTS

### WITH FULLY SHIELDED KEYSTONE JACKS

The compact 0.5RU patch panel is suitable to use in a standard 19" cabinet.  
The 24-port patch panel supports CAT6A cable.  
Numbered & Labelled.  
Includes 110 tool type Krone® compatible fully shielded punchdown keystones.  
With cable strain relief at the rear.  
Compatible with T568A and T568B wiring.  
Screws included for installation.



Build	Type	Ports	Height	Code
Kit	CAT6A - SFTP	24x	0.5RU	CAT6R208

## 19" RACK KEYSTONE PANELS - KITS WITH CAT5

Supplied as a kit with 24x "Keystone" CAT5 sockets included.  
Tool-less type for bare wire rear connect.  
Includes cable tie rack strain relief.



Type	Ports	Height	Code
CAT5e	24x	1RU	CAT5R104





## 19" RACK KEYSTONE PANELS - KITS WITH CAT6

Supplied as a kit with 24x "Keystone" CAT5 sockets included. Metal bracket. Plastic fascia. Punch-Down tool type for bare wire rear connect. Includes rear cable tie bar for strain relief.

Type	Ports	Height	Code
CAT6	24x	1RU	CAT6R204



## 19' RACK PANELS EQUIPPED CAT5/6

Front RJ45 (or RJ12) Sockets. Numbered & Labelled. Rear single appearance. Punch 110 Tool type Krone® compatible. Includes screws.

Suits	Type	Ports	Height	Code
CAT5e	RJ45	24x	1RU	CAT5R101
CAT5e	RJ45	48x	1RU	CAT5R103
CAT6	RJ45	24x	1RU	CAT6R201
CAT6	RJ45	48x	1RU	CAT6R203
CAT5e	RJ45	48x	2RU	CAT5R105
CAT6	CAT6	48x	2RU	CAT6R205



## 19" RACK PANELS - EQUIPPED CAT 3

Voice Communications 8 pin 4 connectors to Punch-Down terminals at rear.

Suits	Type	Ports	Height	Code
CAT3	RJ45	60x	1RU	TEL60R



## 19" RACK HEXAGONAL PANEL - UNEQUIPPED

Mounting solution supplied empty Metal Panel Numbered & Labelled 20 HEX shaped holes requires sockets.

Hole	Type	Ports	Height	Code
9.5mm	Hex	16x	1RU	CMR107



## 19" RACK KEYSTONE PANELS - UNEQUIPPED

Supplied empty, requires "Keystone" sockets.

Build	Type	Ports	Height	Code
Empty	CAT5e	24x	1RU	CMR110



## 19" "F" CONNECTOR PATCH PANEL F-F

F connectors patch panel. Female to female. 1RU. Suitable for 19" rack cabinets.

Type	Ports	Height	Code
Metal	16x	1RU	CMR200
Metal	24x	1RU	CMR201







## 19" BLANKING PANELS

Fill up unused RU's Rack Units in your server racks with these 19" Rack Mounted Blanking Panels. Protect equipment from dust. Make the cabinet look complete or modify for projects, etc. Available in aluminium (Metal) or plastic.

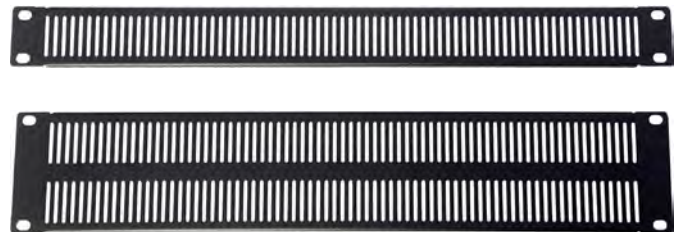
Height	Type	Code
1RU	Plastic*	BP1RU
1RU	Metal	BPM1RU
2RU	Metal	BPM2RU
3RU	Metal	BPM3RU
4RU	Metal	BPM4RU



## 19" RACK BLANKING PANELS WITH VENT

Useful for filling up any unused sections in your server racks. It also allows greater ventilation for better cooling. Available in black and made of aluminium alloy.

Height	Type	Code
1RU	Metal	BPV1RU
2RU	Metal	BPV2RU
3RU	Metal	BPV3RU
4RU	Metal	BPV4RU



## WALL MOUNT PATCH PANEL - 12x UTP PORTS

### PATCH PANEL WITH SNAP-IN BRACKET

The patch panel includes a snap-in wall bracket. Easy to install. It has 12x RJ45 sockets at the front, and 110 type Krone compatible punch down sockets at the rear. Compatible with T568A and T568B wiring.

Build	Type	Cable	Ports	Code
Kit	CAT5e	UTP	12x	CAT5R110
Kit	CAT6	UTP	12x	CAT6R217



## WALL MOUNT PATCH PANEL 45° - 12x UTP PORTS

### PATCH PANEL WITH SNAP-IN BRACKET

The patch panel includes a snap-in wall bracket. Easy to install. It has 12x RJ45 sockets tilted at 45 degree at the front, and 110 type Krone compatible punch down sockets at the rear. Compatible with T568A and T568B wiring.

Build	Type	Cable	Ports	Code
Kit	CAT5e	UTP	12x	CAT5R111
Kit	CAT6	UTP	12x	CAT6R218



## PATCH PANEL WALL MOUNT

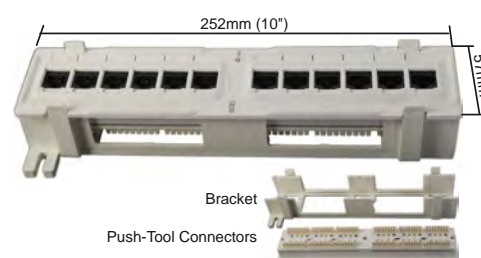
Snap-In Bracket for rear access Above wall mount Front 12x RJ45 Rear punch-down 110 Tool type Krone® compatible.

### CAT6 x12

Code  
DA623

### CAT5e x12

Code  
DA201





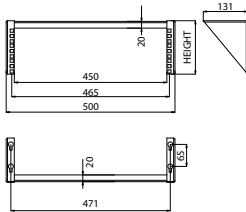


## VERTICAL RACK MOUNT BRACKET

### 1/2/3/4 UNIT EQUIPMENT RACK

Equipment can be mounted vertically from a wall, or horizontally under a shelf. Compatible with most 19" rack mountable equipment. Made from solid steel for durability.

Size	Height	Code
504x151x60mm	1RU	WMV1RU
504x151x105mm	2RU	WMV2RU
504x151x149mm	3RU	WMV3RU
504x151x195mm	4RU	WMV4RU



### 19" FIXED SHELF

#### FIT RACK CABINETS

Solid fixed shelf Metal construction  
Ventilation slots Black.

Size	Suits	Code
270x482mm	450	SHF107
350x470mm	600	SHF101
550x470mm	800	SHF103
650x470mm	900	SHF113
710x470mm	1000	SHF109
760x470mm	1100	SHF114

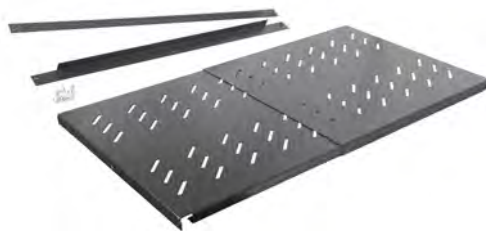


### 19" RACK UNIVERSAL SHELF

#### FIT RACK CABINETS FROM 450mm TO 830mm MAX DEPTH

Universal 19" mounting. Suitable for 450, 600, 800mm, deep server racks. Perforated to allow for tie-down of equipment. Side or End mounting brackets. Maximum 50kg distributed load capacity. All metal construction.

Depth	Max.	Code
450-830mm	50Kg	SHF111

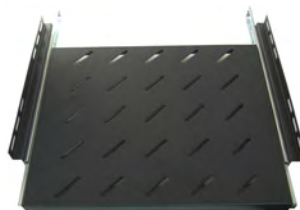


### 19" SLIDE SHELF

#### FIT RACK CABINETS

Nylon wheel slide Metal construction  
Ventilation slots Black.

Size	Suits	Code
270x490mm	450	SHF108
350x470mm	600	SHF105
550x470mm	800	SHF106
650x470mm	900	SHF112
710x470mm	1000	SHF110



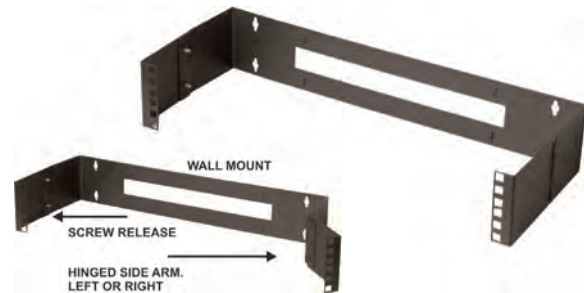
SHF112 Only

## 19" WALL BRACKET

### HINGED WALL MOUNT

Stand-alone bracket for wall mounting 19" rack item/s with hinged side allows direct access to rear for cabling, etc. Invert for Left or Right.

Height	Depth	Code
1RU	195mm	RWB1U
2RU	195mm	RWB2U
3RU	195mm	RWB3U
4RU	195mm	RWB4U
6RU	195mm	RWB6U



### 1RU RACK CABINET SHELF

1RU rack cabinet mounting shelf. Mountable from the front. Cage nuts are included for installation.

Height	Depth	max	Code
1RU	150mm	30Kg	SHF159
1RU	200mm	25Kg	SHF160
1RU	250mm	25Kg	SHF172
1RU	350mm	25Kg	SHF173
1RU	450mm	25Kg	SHF174



### 2RU RACK CABINET SHELF

2RU rack cabinet mounting shelf. Mountable from the front. It can hold a maximum of 30kg. Cage nuts are included for installation.

Height	Depth	max	Code
2RU	250mm	30Kg	SHF150
2RU	350mm	30Kg	SHF151
2RU	450mm	30Kg	SHF152



30KG MAXIMUM LOAD

### 2RU RACK CABINET SHELF

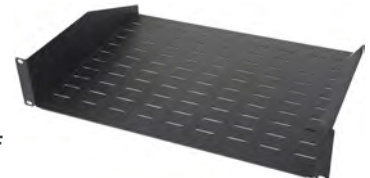
#### 30KG MAXIMUM LOAD

Slimline design 2RU rack cabinet mounting shelves. Mountable from the front. They can hold a maximum of 30kg. Heavy gauge steel. Cage nuts are included for installation.

Height	Depth	max	Code
2RU	250mm	30kg	SHF161
2RU	350mm	30kg	SHF162
2RU	450mm	30kg	SHF163



MINIMUM FLAT EDGE SHELF







## □ 19" Cable Management

### 19" CABLE MANAGER - FINGERS

#### METAL FINGERS

Five "C" clips to hold and organise network cables. Neat and tidy Metal fascia.

Suit	Height	Code
19"	1RU	CMR101



#### PLASTIC FINGERS

Rack mount cable organiser.

Suits	Height	Code
19"	1RU	GEPM03



### 19" CABLE MANAGER - FINGERS

#### METAL FINGERS

1RU cable manager with 5x metal fingers to hold and organise network cables. With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Metal	19"	1RU	65x45x15mm	5	CMR128

### 19" CABLE MANAGER - FINGERS

#### METAL FINGERS

1RU cable manager with 4x metal fingers to hold and organise network cables. With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Metal	19"	1RU	65x45x10mm	4	CMR126

### BRUSH ENTRY

Block airflow while allowing cable entry.

Suits	Height	Code
19"	1RU	CMR104



### 19" CABLE MANAGER - FINGERS 1RU

#### PLASTIC FINGERS

1RU cable manager with 5x plastic fingers to hold and organise network cables. With 19" metal panel to suit rack cabinets.



Type	Code
Plastic	CMR113

### 19" CABLE MANAGER - FINGERS

#### PLASTIC FINGERS

Suits	Height	Code
19"	1RU	GEPM04



#### REPLACEMENT FINGERS

Code
GEPM05



### 19" CABLE MANAGER - CLOSED

#### CLOSED TYPE

Behind fascia type hold and organise network cables. Neat and tidy.

Type	Suit	Height	Code
Plastic	19"	1RU	CMR103
Plastic	19"	2RU	CMR102
Metal	19"	1RU	CMR116



### 19" CABLE MANAGER - EXTRA SIZE FINGERS 2RU

#### METAL FINGERS

2RU cable manager with 5x extra size metal fingers to hold and organise network cables. With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Metal	19"	2RU	85x55x15mm	5	CMR127

### 19" CABLE MANAGER - FINGERS & BRUSH PANEL

#### BRUSH PANEL WITH METAL FINGERS

1RU cable manager with 5x metal fingers to hold and organise network cables. With 19" brush panel to allow cables to pass through while keeping the dust out. Suitable for rack cabinets.



Type	Suit	Height	Number of Rings	Ring Size	Code
Metal	19"	1RU	5	55x45x15mm	CMR129

### 19" CABLE MANAGER - FINGERS & BRUSH PANEL

#### PLASTIC FINGERS

1RU cable manager with 2x plastic fingers to hold and organise network cables. With 19" brush panel to allow cables to pass through while keeping the dust out. Suitable for rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Plastic	19"	1RU	70x40x10mm	2	CMR130





## 19" CABLE MANAGER - FINGERS 2RU

### PLASTIC FINGERS

2RU cable manager with 10x plastic fingers to hold and organise network cables.  
With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Plastic	19"	2RU	70x40x10mm	10	CMR114

## 19" BRUSH ENTRY PANEL

### SUITS 1RU RACK CABINET

Block airflow while allowing cable entry.



Suit	Height	Code
19"	1RU	CMR117



## 19" CABLE MANAGER - FINGERS 1RU

### PLASTIC FINGERS

1RU cable manager with 5x plastic fingers to hold and organise network cables.  
With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Plastic	19"	1RU	70x35x10mm	5	CMR122

## 19" CABLE MANAGER - FINGERS 2RU

### PLASTIC FINGERS

2RU cable manager with 10x plastic fingers to hold and organise network cables.  
With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Plastic	19"	2RU	70x35x10mm	10	CMR123

## 19" CABLE MANAGER - FINGERS

### PLASTIC FINGERS

1RU cable manager with 5x plastic fingers to hold and organise network cables.  
With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Plastic	19"	1RU	55x40x20mm	5	CMR124

## 19" CABLE MANAGER - FINGERS

### PLASTIC FINGERS

1RU cable manager with 4x plastic fingers to hold and organise network cables.  
With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Plastic	19"	1RU	55x40x20mm	4	CMR125

## 19" CABLE MANAGER - FINGERS 1RU

### METAL FINGERS

1RU cable manager with 5x metal fingers to hold and organise network cables.  
With 19" metal panel to suit rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Metal	19"	1RU	80x40x15mm	5	CMR115

## 19" BRUSH PANEL WITH REAR FINGER PANEL

### SUITS 1RU RACK CABINET

Provides clean cable entry while preventing dust. Includes cable management fingers at the rear for making it easy to add or remove cables and reduce cable strain.



Suit	Height	Code
19"	1RU	CMR121

## 19" CABLE MANAGER - FINGERS WITH BRUSH PANEL

### BRUSH PANEL WITH METAL FINGERS

1RU cable manager with 5x metal fingers to hold and organise network cables.  
With 19" brush panel to allow cables to pass through while keeping dust out. Suitable for rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Metal	19"	1RU	55x45x15mm	5	CMR118

## 19" CABLE MANAGER - FINGERS WITH BRUSH PANEL

### BRUSH PANEL WITH PLASTIC FINGERS

1RU cable manager with 5x plastic fingers to hold and organise network cables.  
With 19" brush panel to allow cables to pass through while keeping the dust out. Suitable for rack cabinets.



Type	Suit	Height	Ring Size	Number of Rings	Code
Plastic	19"	1RU	70x45x10mm	5	CMR119

## CABLE MANAGER - RACK SIDE MOUNT

### "T" FINGER ORGANISER

Mounts directly to the vertical rail of an industry standard rack system 7x "T" Fingers at RMU intervals 305mm long UL94V-0 plastic.

Code
CMR105



### HINGE

Allows the addition of a door panel\* (\*not included) to cover cables, etc.

Code
CMR106







## 19" Rack Cabinet Fans

### RACK CEILING FANS 600M

#### IMPROVES AIR VENTILATION AND COOLING

Cast frame with 2x 120mm fans.  
Mounts to roof of rack cabinets  
Suits Floor standing servers  
Includes 12V 1A power supply  
Air Flow 209.6 CFM

Size	Suits	Code
350x320x40mm	600	RFK101



### RACK CEILING FANS WITH BUILT-IN POWER SUPPLY

#### IMPROVES AIR VENTILATION AND COOLING

Cast frame with 2x to 4x 120mm fans.  
Mounts to roof of rack cabinets  
Suits Floor standing servers  
With built-in power supply

Size	Suits	Code
350x320x40mm	600	RFK201
550x320x40mm	800	RFK203
750x320x40mm	1000	RFK204



### CEILING EXTRACTORS

#### SUIT RC SERIES RACKS

Cast frame long life fans Mounts to roof of cabinets Suits Floor standing servers  
Includes 240Vac powerpack.

#### TWO FANS

Size	Suits	Code
350x320x40mm	600	RFK101

#### FOUR FANS

Size	Suits	Code
550x420x40mm	800	RFK103
750x325x40mm	1000	RFK107
750x420x40mm	1000	RFK104
715x412x40mm	RC421U	RFK-421



### FAN KIT

#### VENTILATION FAN KIT WITH POWER

Cast frame 120x38mm fan pair. Direct to cabinet mounting solution kit.  
Fit roofs or walls in rack cabinets. Long life bearings. 12Vdc low-noise fans. Includes power pack. Includes finger guards. Includes two fans.

Code
RFK105



### 1RU RACK MOUNT FAN TRAY WITH TEMPERATURE CONTROL

The 1RU standard 19" fan tray with mounting brackets. With 2x 120mm high speed cooling fans.  
With illuminated on/off switch and digital temperature controller conveniently located at the front and a C14 power socket and temperature sensor at the rear.  
Includes a 1m mains to C13 power cable.

Type	Size	Code
2x 120mm Fans	480x180x45mm	RFK1003



### 1RU RACK MOUNT FAN TRAYS

1RU rack mount fan tray with long life fans provides better air flow in your cabinet to keep your equipment cool. Suits 19" 1RU. Made with durable heavy duty metal. Simple installation. (Requires mounting screws). Front On/Off switch Illuminated. 240Vac to 12Vdc power pack included.

Type	Size	Code
2x 120mm 12Vdc Brushless Fans.	485x175x45mm	RFK1002
4x 120mm 12Vdc Brushless Fans.	485x430x45mm	RFK1004
6x 120mm 12Vdc Brushless Fans.	485x490x45mm	RFK106







## CASTER WHEELS FOR RACK CABINET

Designed for floor cabinets. Each package includes 4x caster wheels with 2 of the wheels with a brake that can lock the wheel into position. Swivel joint on each wheel can rotate around 360°, thus enabling the wheel to roll in any direction. Useful for moving your cabinet to different locations.

Size	QTY	Code
40mmØ	4	RWC-100



## CASTER WHEELS FOR RACK CABINET - LARGE

Designed for floor cabinets. Each package includes 4x caster wheels with 2 of the wheels have a brake that can lock the wheel into position. The swivel joint on each wheel can rotate around 360°, thus enabling the wheel to roll in any direction. Useful for moving your cabinet to different locations.

Size	QTY	Code
51mmØ	4	RWC-101



## CASTER WHEELS FOR RACK CABINET - LARGE

Designed for floor cabinets. Each wheel has a diameter of 50mm. The swivel joint on each wheel can rotate around 360°, thus enabling the wheel to roll in any direction. This makes it useful when you have to move your equipment from time to time. Each package includes 4x caster wheels with wheel brake that can lock the wheel into position.

Size	QTY	Code
50mm	4	RWC-WH1



## CASTER WHEELS FOR RACK CABINET

### 4 PCS IN EACH SET

These caster wheels are designed for the RWC12/15/18 series cabinets. Each wheel has a diameter of 38MM. The swivel joint on each wheel can rotate around 360°, thus enabling the wheel to roll in any direction. This makes it useful when you have to move your equipment from time to time. Each package includes 4x caster wheels, and 2 of the wheels has a wheel brake that can lock the wheel into position.

Diam.	QTY	Code
38mm	4	RWC-WHEEL



## CABINET SIDE LOCK

Side door locks for wall mountable and free standing data cabinets. Hole diameter 19mmØ

Arm	Depth	Code
30mm	20mm	LOCK19
43mm	20mm	LOCK20
46mm	15mm	LOCK21



## CAGE NUT SETS

### RACK CAGE NUTS

Black screw cross-head with Plastic washer and Caged Nut. Suit racks. Order one to receive a bag of 4 or 100 sets.

Colour	QTY	Code
Silver	4 Sets	CNM602
Black	4 Sets	CNM601
Black	100 Sets	CNM603



## SECURITY SCREWS FOR DESKTOP PC CABINET

### 6-32 COMPUTER CASE SCREWS

Suits PC Cabinets  
4x Nuts and a key  
Outer nut spins free  
Computer Case Screws  
Internal HDD Screws  
#6-32 x 1/4" Deep

QTY	Code
4 Screws	PCL04







## Cleaning Accessories

### Media

#### CIRCULAR CD/DVD CLEANING KIT

For general Disk cleaning  
Extra CD/DVD

Code  
PC-7091

REPLACEMENT PARTS  
Fluid and roller pair

Code  
RP7091R



1 Action  
CLEANER  
CD/DVD

#### CD/DVD LASER CLEANING DISKS

##### INTERNAL DUST BRUSH

Get at the lenses without  
opening the unit. Quick.  
Narration instructions.

WITH CLEANING FLUID

Code  
HN3103



#### FLOPPY DISK DRIVE CLEANERS

Felt cleaning disks with cleaning fluid.  
[Sent by road transport]

##### 3.5" DISK

Code  
HC350

##### 5.25" DISK

Code  
HC525



#### AF CARD-CLENE

##### CARD SWIPE CLEANER

Swipe Machine Cleaners Sachet-  
packed plain cards impregnated  
with Isopropanol. Made to ISO  
specifications. Suggested for  
both card entry readers and  
swipe (Eftpos) readers  
20 Sachets.

Code  
CCP020



#### SCREEN-CLENE™ SAFECLOTHS

##### LINT-FREE CLEANING

Non-woven super absorbent anti-  
static cleaning cloths 50 pieces in  
a resealable bag 330x330mm soft  
perforated Suit general cleaning uses.

Code  
SCH050



### Wipes

#### DUSTGO MICROFIBRE CLOTHS

Dustgo is for cleaning sensitive surface areas. The formula of each  
cloth is adapted to suit the application precisely for maximum cleaning  
effect. This microfibre cloth is especially designed for safely removing  
greasy fingerprints and dirt from your LCD monitor or TV. Made with  
durable material, it has a long using life and doesn't cause any scratch  
to the surface of your monitor in the cleaning process.

PLASMA & LCD SCREENS  
GOLD MICROFIBRE  
65% PET. 35% PA Matrix

Code  
BMT-D5017



NOTEBOOK SCREENS  
BLUE MICROFIBRE  
70% PET. 30% PA Matrix

Code  
BMT-D5208



#### ADVANCED CLEANING CLOTH

##### UNIVERSAL & OPTICAL

Advanced technology cloth for  
cleaning opticals like camera  
and laser lenses, even glasses.  
No lint. No residue. No scratch  
non-abrasive. Made in Japan.

Size Code  
150x150mm CLN1515



#### FINE DENIER POLY CLOTH

##### TOUGH & DURABLE WIPE

Made from recycled PET bottles 66%  
& Very fine knitted polyester 34%  
Non-scratching dust-free cloth Ultra-  
pure clean-room product zero lint  
Made in Japan. 220x220x0.8mm

Code  
ECQ2310



#### KIM-WIPES®

Delicate Task Wiper is a light duty wiper  
that can handle a variety of delicate tasks.  
Easily wipes up liquid and dust. Anti-static  
dispensing reduces lint and electrostatic  
discharge, controls usage and portability  
reduces waste. 280 wipes, 110x210mm

Code  
KIMW4120







## Kits

### PLASMA/LCD/CRT SCREEN CLEAN

Non-Scratch Micro fibre cloth for flat screens will remove dust, dirt, greasy finger prints, etc. easily and quickly. Includes a Specially developed IPA / alcohol free safe water based cleaning fluid with spray pump bottle ensures cleaning compatibility on all types of screens.

Code  
AM85146



### EXTRA FLUID

Code  
AM85149

### SCREEN CLEANING KITS

Squeegee bottle Specially formulated Clears for Screens, lens, disk. Micro-fibre cloth 20cm<sup>2</sup> Retractable dust brush.

Type	Size	Code
Foam	200ml	HN-4128
Gel	100ml	HN-4133
Liquid	200ml	HN-4131



### AF GEL SCREEN CLEANER

**CLOTH & SPRAY**  
New Anti-Static Screen Cleaning Innovative and highly effective screen cleaning gel for use on any type of screen from glass to TFT, LCD & Plasma. Includes 125ml Pump Bottle 10 Pieces non-woven cloths

Code  
ASCG000



### OFFICE WIPES

Pre-Moistened Commercial grade Ethyl Alcohol Disinfectant Pull dispenser 20cm Can with 70x 15cm wipes Kimberly-Clark

Code  
KIM4100



### ISOCLENE WIPES

#### BACTERICIDAL WIPES

Anti-bacterial wipes for disinfecting most hard surfaces. Kills 99.9% of bacteria found on equipment like Keyboards, etc.

Code  
AISW100

Not for use on screens.



## Sprays

### PC-CLENE™ WET WIPES

**PLASTICS & GLASS CLEANER**  
Biodegradable solution Office equipment wipes Professional grade **PULL-DISPENSER BOTTLE**

Code  
PCC100



### LAPTOP-CLENE™ WET WIPES

**WIPE-ON / WIPE-OFF**  
TFT LCD panels & TouchPads Large TV, Desktop & Laptops Wet/Dry pair clean action Individual satchels with Wet Wipe-On for cleaning Dry Wipe-Off no residue

Type	Code
10 Pack	LTC010



### SCREEN-CLENE™ WET WIPES

**LCD & PLASMA SCREEN CLEANER**  
Non-smearing anti-static wet wipes Box full 100x individual satchels

Code  
SCS100

#### PULL-DISPENSER BOTTLE

Code  
SCR100T

#### PULL-DISPENSER BAG (25 WIPES)

Code  
SCR025P



### SCREEN-CLENE™ IN A CAN

**LCD & PLASMA SCREEN CLEANER**  
Pump action cleaner spray for clear glass & plastic surfaces like TV Screens, Photo copiers, Gameboy, Laptop, monitor screens. Anti-static no alcohol non flammable

Size	Code
250ml	SCS250



### ANTI-STATIC CLEANING LIQUID

Powerful non-foaming general purpose cleaner that also prevents static build-up, long term effect Non-Flammable. Plastics safe.

#### PUMP DISPENSER

Size	Code
250ml	ASA250

#### PRESSURE CAN

Size	Code
400ml	AFC400H



### AIR DUSTER

#### BLOW THAT DUST AWAY!

Inert gas in a can

Brand	Size	Code
RF	250g	RF67
Electrolube	400ml / 580g	EAD400D







## Tools

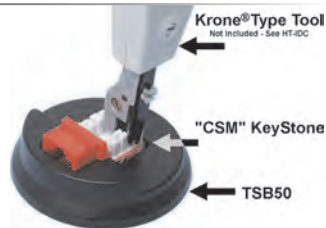
### Punch-Down

#### IDC - SIMPLIFY THE INSTALLATION PROCESS

##### IDC SUPPORT TOOL BASE

Stabilize the KeyStone jack during cable insertion.

Code  
TSB50



##### IDC TOOL

Disposable type tool for IDC cable insertion.

Code  
HT-IDC1



#### PUNCH TOOL & WIRE STRIPPER

Krone® type punch-down wire insertion tool with wire stripper handle.

Code  
HT-IDC4



#### IDC PUNCH DOWN TOOL - PROFESSIONAL

Crimps and clips in one action. Compatible with standard "Krone" type. Quality constructed.

Code  
HT-IDC2



#### IDC IMPACT PUNCH DOWN TOOL 110/88

##### FOR 110/88 TYPE TERMINAL BLOCK

Heavy-duty impact tool with adjustable spring loaded tension for seating wire into 110/88 type terminal blocks as used in CAT5/6 installations. 180mm

Code  
HT-314B



#### IMPACT PUNCH DOWN TOOL

##### SPRING LOADED - PUSH DOWN - IMPACT

Spring-loaded punch down tool for seating wire terminal blocks. Simply push down and the spring-loaded mechanism kicks down for a secure connection. Wire puller and trimmer.

Type	Code
Krone®	HT-364BKR
110/88	HT-364BR



#### KEYSTONE PATCH PANEL PUNCH TOOL

Code  
HT-IDC3



### Crimp

#### MODULAR CRIMPING TOOL RJ14

##### 4 PIN SMALL 7.5mm

Professional crimping tool. All metal construction with stripping blades & spring load lever action. Connectors Section for crimp plugs.

Code  
OT245



#### MODULAR CRIMPING TOOL RJ14 RJ12 RJ11

##### 4 & 6 PIN STANDARD

Professional crimping tool. All metal construction with stripping blades & spring load lever action. Connectors Section for crimp plugs.

Type	Code
4 & 6 Pin	OT250
8 Pin	OT256



#### MODULAR CRIMPING TOOL CAT5/6

##### RJ45 + RJ11 RJ12

Professional crimping tool. All metal construction with stripping blades & spring load lever action. Connectors Section for crimp plugs.

Code  
OT258



#### MODULAR CRIMPING TOOL ALL-IN-ONE

##### PROFESSIONAL DESIGN

Low fatigue hand grip Wire stripper & cutter Premium quality tool

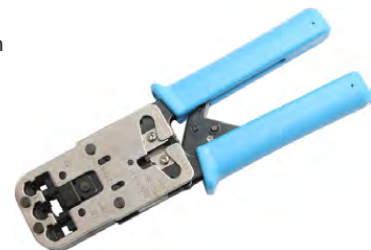
Suit	Code
RJ45 RJ11 RJ22 4P 6P 8P	HT345RA



#### MODULAR CRIMPING TOOL HEAVY DUTY CAT5/6

Popular Vertical version. Crimps 8P or 6P (4P). With cable stripper. Adjustable ratchet. Comfortable grip.

Code  
DL3460R



#### CRIMPING PLIERS

Assembles ribbon cable into ribbon connectors. Suit IDC Crimp plugs.

Code  
HT214







## □ Hand Tools

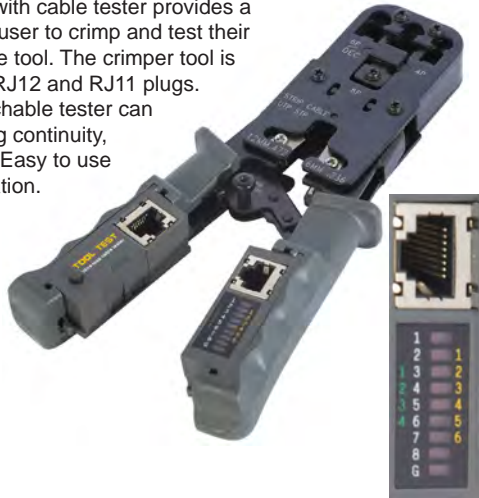
### CRIMPING TOOL WITH CABLE TESTER

#### RJ11/12/45 CABLE

This crimping tool with cable tester provides a simple way for the user to crimp and test their cable with the same tool. The crimper tool is suitable for RJ45, RJ12 and RJ11 plugs.

The compact detachable tester can easily test for wiring continuity, opens, shorts, etc. Easy to use single button operation.

Code  
CT82001



### CABLE STRIPPING TOOL

#### CUTTING & STRIPPING

For stripping round cable, stranded wire, multi-conductor cable and irregular out shape cable from 22AWG up to 9.5mmØ

Code  
CT82071



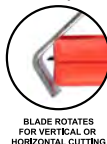
### CABLE STRIPPER OR SPLITTING TOOL

#### CAN CUT DOWN THE LENGTH OF THE CABLE

Swivel blade is suitable for stripping circular cables around the cable jacket or along the jacket to split the cable open.

Suits cable 8-22mm. Depth adjustable.

Code  
CT82123



BLADE ROTATES  
FOR VERTICAL OR  
HORIZONTAL CUTTING



### COAXIAL & NETWORK CABLE STRIPPER

#### CUTTING & STRIPPING

Suitable for coaxial cable RG59, RG6, RG7 and RG11, round networking cable, and flat telephone cable.

Code  
CT82080



### ANTI-STATIC PROTECTION

WES stocks a range of field and bench service mats and straps for static device control.



TOOLS & TEST EQUIPMENT SECTION

## □ Networking Accessories

### CRIMPING AND STRIPPING TOOLKIT

This crimping and stripping toolkit consists of a 4 pieces crimping and stripping set, a cable tester and 10x RJ11 and 10x RJ45 modular connectors. The tool set includes a crimper, a impact punch down tool, a Krone type punch-down wire insertion tool and a wire stripper. This excellent value tool set is stored inside a handy carry case.

Code  
CT82155



### ELECTRONIC TOOL WALLET 12 PIECE BASIC

#### 12 PIECE REPAIR KIT

An excellent variety of common electronic repair tools for the technician Cross, Blade, Nut drivers IC Extractor, tweezers, etc. Great kit for Computer techs' Zip-Up case.

Code  
GTK012



### ELECTRONIC TOOL WALLET 12 PIECE ADVANCE

#### 12 PIECE REPAIR KIT

An excellent variety of common electronic repair tools for the technician Multi Tip driver with Torx IC Extractor, tweezers, Cutters, needle nose, etc. Handy little Zip-Up case.

Code  
GTK026







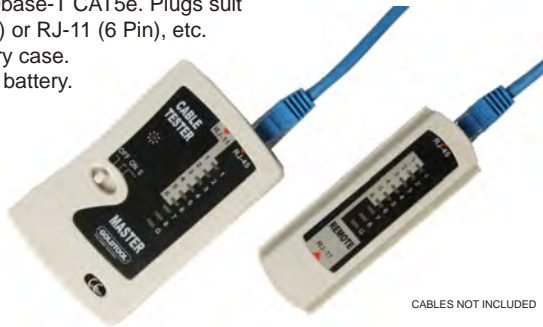
## Testers

### NETWORK CABLE TESTER

#### RJ45/CAT5 ETHERNET

Send-Receive tester Inject at one end and indicates at the other via LEDs. Tests 100/10base-T CAT5e. Plugs suit RJ-45 (8 Pin) or RJ-11 (6 Pin), etc. Includes carry case. Requires 9V battery.

Code  
LANCTEST



CABLES NOT INCLUDED

### LAN & USB TESTER

#### RJ45 RJ11 USB COAX

Short/Open/Crossover, etc. BNC (Base10) & USB (A-B) RJ11 Modem/Phone cable RJ45 CAT5 Network UTP/STP each wire (8+) is tested individually & conclusively. Includes pouch. 145x85x25mm

Code  
FT68BU

Requires 9V Battery



CABLES NOT INCLUDED

### NETWORK CABLE TESTER

#### LCD CABLE TESTER WITH 8 LOCATION DONGLES

Network cable tester is a powerful tool to solve cable installation problems. The tester has a number of tests such as cable connection sequence, cable length reading, user-jumper identified and cable connection for continuity and determine any open circuit, short or cross-talk interference. Check wiring error in coax, CAT5e, CAT6e and telephone lines (adaptors req.). Includes 8 dongles, numbered and each with buzzer to identify cable tested for locating ease.

- Length measurement of twin twisted cable: Scope: 1350M.
- Calibration accuracy: 3% [+/- 0.5m]
- Locating cable: 8 pieces far-end passive test jacks [ID 1 to ID 8]
- Tester port: RJ45 meter port and RJ45 Loopback port
- 8 pieces far-end recogniser RJ45 port
- 2 pieces adaptors to BNC for coax Base10 testing
- Display: 4 x 16 character dot-matrix LCD reading
- Carry pouch for meter and adaptors, etc.
- Requires: 4x 1.5V AA batteries (not included)

Code  
CT8108



CABLES NOT INCLUDED

### TELEPHONE/LAN CABLE TRACKER

#### RJ45/RJ11 CABLE TESTER

Scanning mode allows users to plug a cable into the tester and the receiver will sound an alert for tracing your connections. The test mode (LAN only) is for short and cross testing by injecting at one end of the cable and indicating at the receiver with 9 LEDs. Includes carry case, 1x 12cm RJ11 cable, 1x 12cm RJ45 cable, 1x RJ11 to crocodile clamps cable, 2x 9V batteries, earphone.

Code  
CT81024



### TELEPHONE/LAN CABLE TRACKER

#### INCLUDES RJ45 TO BNC FOR TESTING COAXIAL CABLE

Scanning mode allows users to plug a cable into the tester and the receiver will sound an alert for tracing your connections. The test mode (LAN only) is for short and cross testing by injecting at one end of the cable and indicating at the receiver with 9 LEDs. Includes a carry case, 1x 12cm RJ45 to coax cable, 1x 12cm RJ45 cable, 2x 9V batteries and earphone.

Code  
CT81025



### HDMI CABLE TESTER

The compact HDMI cable tester is designed for checking and troubleshooting HDMI cables. Useful for checking for faults with cables or inwall installations. All pins tested base-unit to Base-unit, plus a cable tracer receiver for checking installed cables.

Code  
CT81028



### POWER CHECK

#### PC ATX TESTER LED

20/24 Pin for checking mainboard power and also tests 5/3" 4 pin SATA, AGP sources too. LEDs indicate presence of 5V and 12V rails. Quick & convenient.

Code  
CPSTEST



### POWER MEASURE

#### PC ATX TESTER LCD

20/24 Pin for checking mainboard power and also tests 5/3" 4 pin SATA, AGP sources too. Comprehensive display 5V 12V1&2 5VSB 3.3V & P.G. (Power Good ms)

Code  
CPSTLCD







## Networking Accessories

### Ethernet Hubs

#### 5 PORT DESKTOP HUB TP-LINK

##### TP-LINK DESKTOP

Fast Ethernet Switch Compact Desktop type 5x RJ45

Type	Code
100M	SF1005D



#### 5 PORT DESKTOP HUB TP-LINK GIGABIT

##### TP-LINK DESKTOP

5x RJ45 Fast Ethernet Switch Compact Desktop type

Type	Code
Gigabit	SG1005D



#### 5 PORT DESKTOP HUB LEVEL1

##### LEVEL1 DESKTOP

Auto MDI/MDI-X . NWay. Unmanaged switch hub. Power saving features. Compact 140x85x28mm

Speed	Code
100M	FSW-0508
1000M	GSW-0507



FSW-0508



GSW-0507

#### 8 PORT DESKTOP HUB TP-LINK

##### TP-LINK DESKTOP

Fast Ethernet Switch Compact Desktop type 8x RJ45

Type	Code
100M	SF1008D



#### 8 PORT DESKTOP HUB TP-LINK GIGABIT

##### TP-LINK DESKTOP

Fast Ethernet Switch Compact Desktop type 8x RJ45

Type	Code
Gigabit	SG1008D

Type	Code
Gigabit	SG1008



#### 8 PORT DESKTOP HUB LEVEL1

##### FAST ETHERNET / GIGABIT

Unmanaged network switch.

Type	Code
100M	FSW-0808



#### 16 PORT SWITCH HUB TP-LINK

##### RACK MOUNT SWITCH

16X 10/100/1000M\* RJ45 ports. Supports MAC address self-learning and auto MDI/MDIX. Standard 19-inch rack-mountable steel case.

Type	Code
100M	TL-SF1016
Gigabit	SG1016D



#### 16 PORT SWITCH HUB LEVEL1

##### FAST ETHERNET / GIGABIT

Supports a total back plane of up to 3.2Gbps/32Gbps. Support IEEE 802.1P QoS (WRR 8:1) Full-Duplex. 19"

Type	Code
100M	FSW-1650
Gigabit	GSW-1657



#### 16 PORT SWITCH HUB LEVEL1 COMPACT

16 Gigabit ports mini rack mount IEEE 802.3az/ab/u/x NWay 216x133x42mm + Rack kit

Type	Code
Gigabit	GEU-1621



#### 24 PORT SWITCH HUB TP-LINK

##### 19" RACK-MOUNT

Each port supports up to 2000Mbps throughput in full duplex mode. 24X 10/100/1000M RJ45 ports. Supports MAC address self-learning and auto MDI/MDIX. Standard 19-inch rack-mountable steel case.

Type	Code
100M	SF1024
Gigabit	SG1024D



#### 24 PORT SWITCH HUB LEVEL1

##### FAST ETHERNET / GIGABIT

Supports a total back plane of up to 4.8Gbps/48Gbps. Support IEEE 802.1P QoS (WRR 8:1) Full-Duplex. 19"

Type	Code
100M	FSW-2450
Gigabit	GSW-2457



#### 48 PORT SWITCH HUB TP-LINK

Type	Code
100M	SF1048
Gigabit	SG1048



#### GIGABIT UPLINK SWITCHES

##### TP-LINK 100M & 1000M AUTO-NEGOTIATION

Combination of 1Gbit port/s with multiple 100Mb ports Port N-Way, Auto-Negotiation ,Store-and-Forward. 100% Data filtering rate eliminates all error packets. Support MAC address learning. Unmanaged. Support IEEE 802.3x flow control for full duplex mode and back pressure for half duplex mode. Standard 19inch rack-mountable steel case.

Up	Down	Code
2x 1Gbps	8x 100Mbps	TL-SL1210
2x 1Gbps	24x 100Mbps	TL-SL1226







## PoE

### PoE INJECTOR TP-LINK

#### 15.4W POWER

Up to 15.4W of PoE power.  
Complies with IEEE 802.3af  
Powers up to 100 metres  
Throughput 100Mbps data  
Includes 48V power pack.

#### Power Code

15.4W TL-POE150S



### PoE RECEIVER TP-LINK

#### 5V/9V/12Vdc + ETHERNET

Extracts power from PoE line.  
Switch 5V(2A), 9V(1A) or 12V(1A)  
Available via 2.1mm DC Socket  
Outputs Fast Ethernet 100Mbps  
Complies with IEEE 802.3af  
REQUIRES PoE INJECTOR

#### Power Code

15.4W TL-POE10R



### PoE RECEIVER KIT TP-LINK

#### SENDER-RECEIVER PAIR

Switch between 5V, 9V or 12Vdc  
Send power up to 100 Metres  
Includes 48V 500mA power pack  
Transmits via 100Mbps ethernet

#### Power Code

15.4W TL-POE200



### PoE SWITCH HUB 4+4 TP-LINK

#### 4 PORT + 4 PORT PoE

8 Port Fast Ethernet HUB 100Mbps  
Injects PoE on 4 ports up to 46.2W total power.  
Max each line is 15.4W with line priorities (Port 1 supplied 1st).

#### Power Code

53W Total TL-SF1008P



### PoE SWITCH HUB 4+4 GIGABIT TP-LINK

#### 4 PORT + 4 PORT PoE 15.4W

8-Port Gigabit Desktop Switch with 4-Port PoE provides the seamless network connection. It integrates 1000Mbps Gigabit Ethernet and 10/100Mbps Fast Ethernet network capabilities.

#### Power Code

53W Total TL-SG1008P



### PoE+ SWITCH HUB 8 GIGABIT TP-LINK

Gigabit 1000Mbps ethernet switch  
All 8 ports are PoE powered  
Total 124W, up to 30W per port  
294x180x44mm

#### Power Code

124W Total TL-SG1008PE



### PoE INJECTOR LEVEL1

#### SINGLE PORT POWER

15.4W or 30W of PoE power.  
IEEE 802.3af or Legacy PoE

#### 100MB

Power Code  
15.4W POI-2002

#### GIGA BIT

Power Code  
15.4W POI-2001  
30W POI-3000



### PoE+ INJECTOR HIGH POWER LEVEL1

#### SINGLE PORT 40W POWER

Up to 40W of PoE power.  
IEEE 802.3af or Legacy PoE  
Auto detect and protected.  
Supports 100Mbps.

Power Code  
40W POI-4000



### PoE+ SWITCH 5 PORT GIGABIT LEVEL1

#### 120W TOTAL / 30W EACH

5 x Gigabit PoE-Plus ports. IEEE 802.3af/at compliant, providing power and data over a single Ethernet cable to any PoE device. Total power budget of 120W

Power Code  
120W GEP-0521



### PoE+ SWITCH 8 PORT GIGABIT LEVEL1

8 x 10/100/1000Mbps ports with IEEE 802.3af PoE plus. Provides power and data over a single Ethernet cable to any PoE device up to 30W per port. LED Status. 280x185x44mm

Power Code  
60W GEP-0820  
120W GEP-0821  
240W GEP-0822



### PoE SWITCH 12 PORT LEVEL1

#### 15W EACH OR 30W EACH

200W(15.4W) or 375W(30W) versions  
IEEE 802.3af or Legacy PoE  
Protection OVP/OCF/OTP.  
Supports 100Mbps.

Power Code  
200W POH-1250  
375W POH-1260



### LEVEL1 PRICE LIST - SWITCH HUB PoE

Code	Code	Code
FEP-0800	FSW-0513	GEP-1622
FEP-0811	FSW-0513-Z	GEP-2450
FEP-0812	GEP-0520	GEP-5070
FEP-1600	GEP-0520-Z	GTP-2880
FEP-1601	GEP-0521	POC-6000
FEP-1611	GEP-0812	
FEP-1612	GEP-0820	
FGP-1000	GEP-0821	
FGP-2410	GEP-0822	
FGP-2412	GEP-1020	
FSW-0503	GEP-1021	
FSW-0503-Z	GEP-1621	







## PoE SPLITTER LEVEL1

### HIGH POWER 12V OUT

Output: 12Vdc 2.5A  
2.1mm DC Socket  
Ethernet 100Mbps

Code  
POS-4000



## PoE REPEATER LEVEL1

### EXTENDS BEYOND 100 METRES

No power required for this device.  
Extends existing PoE to a remote device over Cat.5 ethernet.

#### 1 PORT

Code  
POR-0100



#### 2 PORT OUTPUT

Code  
POR-0102

## PoE SPLITTER OUTDOOR LEVEL1

### HIGH POWER 12V OUT

Output: 12Vdc 2.5A  
2.1mm DC Socket  
Ethernet 100Mbps  
Weatherproof IP66

Code  
POS-4001



## PoE REPEATER OUTDOOR LEVEL1

### EXTENDS BEYOND 100 METRES

No power required for this device.  
Extends existing PoE further.  
Weather proof housing IP66.

#### 1 PORT

Code  
POR-1100



#### 2 PORTS

Code  
POR-1102

## PoE SPLITTER 100M LEVEL1

SWITCH 5V / 9V / 12Vdc  
Power from PoE up to 15.4W  
IEEE 802.3af 100BASE-TX  
Direct to device solution.  
Includes DC plug kit.

Code  
POS-1002



## PoE REPEATER OVER 2 WIRE LEVEL1

### 400 METRES PoE TRANSMITTER

Two wire cables are used to connect 100Mbps fast ethernet PoE devices using 24AWG RJ11 PoE supplies power required.

Code  
POT-0100



## PoE SPLITTER GIGABIT LEVEL1

SWITCH 5V / 9V / 12Vdc  
Power from PoE up to 15.4W  
IEEE 802.3af 1000BASE-TX  
Direct to device solution.  
Includes DC plug kit.

Code  
POS-1001



## PoE REPEATER OVER 2 WIRE SLAVE LEVEL1

### 400 METRES PoE RECEIVER

Accepts two wire transmission from POT0100 two wire sender. Outputs CAT.5 to PoE devices.

Code  
POT-0110



## PoE SPLITTER GIGABIT HIGH POWER LEVEL1

SWITCH 5V / 9V / 12Vdc  
Power from PoE up to 25W  
IEEE 802.3af 1000BASE-TX  
Direct to device solution.  
Includes DC plug kit.

Code  
POS-3000



## PoE REPEATER OVER 2 WIRE SLAVE LEVEL1

### RECEIVE OVER 400 METRES

Accepts two wire transmission from POT0100 two wire sender. Outputs CAT.5 to PoE devices. Weatherproof IP66 housing.

Code  
POT-1110



## PoE EXTENDER RECEIVER OVER HYBRID FIBRE

Using hybrid fibre and copper cable, it can deliver integrated power and data over a distance of 2km to a receiver which provides high-power PoE output for IP surveillance applications.

• See [www.Level1.com.au](http://www.Level1.com.au) website for details.

Type	Output	Code
Transmitter	Hybrid Fibre	PFE-1001T
Receiver	Single PoE	PFE-1001R
Receiver	4 Port PoE	PFE-1004R



## PoE OUTDOOR RECEIVER OVER HYBRID FIBRE

A tough outdoor range provides the high performance within a durable IP66-rated waterproof housing for harsh environmental conditions.

• See [www.Level1.com.au](http://www.Level1.com.au) website for details.

Type	Output	Code
Receiver	Single PoE	PFE-1011R
Receiver	4 Port PoE	PFE-1014R







## Print Servers & NAS

### WIRELESS PRINTER SERVER TP-LINK

#### USB 2.0 MFP to ETHERNET

Connects Multi-Function Printers to Ethernet via WiFi Wireless LAN. Plugs direct into USB-B Socket

Code  
TL-WPS510U



### USB SERVER TP-LINK

#### PRINTER & STORAGE

Single USB 2.0 Port served up from LAN Ethernet. Suit MFP Printers and Most USB storage plus other USB Devices like webcams, etc. Allows a 4 port hub.

Code  
TL-PS310U



### PRINTER TO ETHERNET SERVER TP-LINK

#### PARALLEL CENTRONICS PRINTER

TP-Link LAN printer server. Connects to your computer network. Compatible with hundreds of printers. Centronics parallel types.

Code  
TL-PS110P



### PRINTER USB TO ETHERNET SERVER TP-LINK

TP-Link LAN printer server. Connects to your computer network. Compatible with hundreds of printers. USB printer type.

Code  
TL-PS110U



## Ethernet Adaptors

### PCI & PCIe ETHERNET

PC Slot	Brand	Speed	Code
PCI	Realtek (Copy)	100M	PCI101
PCI	Level1	Gigabit	GNC-0105T
PCI	TP-Link	Gigabit	TG3269
PCIe	Level1	Gigabit	GNC-0112
PCIe	TP-Link	Gigabit	TG-3468
PCIe	TP-Link	1750M	TL-ARCHERT8E
PCIe	TP-Link	1900M	TL-ARCHERT9E

32bit PCI2.2 Software included. Netware®. Windows® Linux 2.4.x RJ45 Connector.



### USB TO ETHERNET

#### USB NETWORK ADAPTOR

Connect to a network via USB adaptor.

USB	Speed	Brand	Code
USB2.0	10/100Mbps	Level1	USB-0301
USB3.0	1000Mbps	Level1	USB-0401

\*Compliant with IEEE 802.3 Speed limited by USB2.0, USB3.0 for USB-0401



### USB HUB & ETHERNET ADAPTOR

#### USB TO ETHERNET

Adapts devices without RJ45. USB-0502 is a USB hub and ethernet adaptor in one package. Windows® XP up, Mac® 10.1 up.

USB	Speed	Brand	Code
USB2.0	10/100Mbps	Prolink	MP300
USB2.0	100M	TP-Link	TL-UE200
USB3.0	Gigabit	Level1	USB-0502



## Ethernet Adaptors Fibre Optic

### ETHERNET SINGLE-MODE MEDIA CONVERTERS

#### ST / SC MULTIMODE TX / FX 100BASE-FX

Type	Distance	Code
ST	2Km	FVT-2002
SC	2Km	FVT-2001
SC	20Km	FVT-2201
SC	40Km	FVT-2401



More: [www.wes.net.au](http://www.wes.net.au)

### RJ45 TO SFP CONVERTER

#### SFP TRANSCEIVER FULL DUPLEX

Single mode fibre optic converter 1000Base-X

Switch	Code
Manual	GVT-2000
Smart	GVS-3800



More: [www.wes.net.au](http://www.wes.net.au)

### GIGABIT SINGLE-MODE MEDIA CONVERTER

1000BASE-LX/LH fiber to 1000Base-T copper media or vice versa. IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-LX/LH standards. Extended fibre optic distances utilizing single-mode fibre upto 15 kilometres.

Code  
MC210CS



More: [www.wes.net.au](http://www.wes.net.au)

### PCIe FIBRE OPTIC LEVELONE

Speed	Type	Code
100M	ST	FNC-0103FX
100M	SC	FNC-0104FX
Gigabit	SFP	GNC-0110
Gigabit	SFP [PCIe x4]	GNC-0120
Gigabit	SFP x2	GNC-0122
Gigabit	SFP x4	GNC-0124
10 Gigabit	SFP [PCIe x8]	GNC-0201
10 Gigabit	SFP x2 [PCIe x8]	GNC-0202







## □ Fibre Optic

### SC-SC MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO621
1Gbps	62.5/125	2M	OPTO622
1Gbps	62.5/125	3M	OPTO623
1Gbps	62.5/125	5M	OPTO625
1Gbps	62.5/125	10M	OPTO6210
1Gbps	62.5/125	15M	OPTO6215
1Gbps	62.5/125	20M	OPTO6220



### SC-ST SINGLEMODE DUPLEX OS1

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO721
1Gbps	9/125	2M	OPTO722
1Gbps	9/125	3M	OPTO723
1Gbps	9/125	5M	OPTO725
1Gbps	9/125	10M	OPTO7210
1Gbps	9/125	15M	OPTO7215
1Gbps	9/125	20M	OPTO7220



### SC-SC MULTIMODE DUPLEX OM3

Speed	Micron	Length	Code
10Gbps	50/125	1M	OPTO521
10Gbps	50/125	2M	OPTO522
10Gbps	50/125	3M	OPTO523
10Gbps	50/125	5M	OPTO525
10Gbps	50/125	10M	OPTO5210
10Gbps	50/125	15M	OPTO5215
10Gbps	50/125	20M	OPTO5220



### SC-ST MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO631
1Gbps	62.5/125	2M	OPTO632
1Gbps	62.5/125	3M	OPTO633
1Gbps	62.5/125	5M	OPTO635
1Gbps	62.5/125	10M	OPTO6310
1Gbps	62.5/125	15M	OPTO6315
1Gbps	62.5/125	20M	OPTO6320



### SC-SC MULTIMODE DUPLEX OM4

Speed	Micron	Length	Code
40/100GbE	50/125	0.5M	OPTO86005
40/100GbE	50/125	1M	OPTO8601
40/100GbE	50/125	2M	OPTO8602
40/100GbE	50/125	3M	OPTO8603
40/100GbE	50/125	5M	OPTO8605
40/100GbE	50/125	10M	OPTO8610
40/100GbE	50/125	15M	OPTO8615
40/100GbE	50/125	20M	OPTO8620



### ST-ST SINGLEMODE DUPLEX OS1

Speed	Micron	Length	Code
1Gps	9/125	1M	OPTO711
1Gps	9/125	2M	OPTO712
1Gps	9/125	3M	OPTO713
1Gps	9/125	5M	OPTO715
1Gps	9/125	10M	OPTO7110
1Gps	9/125	15M	OPTO7115
1Gps	9/125	20M	OPTO7120



### SC-SC SINGLEMODE DUPLEX OS1

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO731
1Gbps	9/125	2M	OPTO732
1Gbps	9/125	3M	OPTO733
1Gbps	9/125	5M	OPTO735
1Gbps	9/125	10M	OPTO7310
1Gbps	9/125	15M	OPTO7315
1Gbps	9/125	20M	OPTO7320



### ST-ST MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO611
1Gbps	62.5/125	2M	OPTO612
1Gbps	62.5/125	3M	OPTO613
1Gbps	62.5/125	5M	OPTO615
1Gbps	62.5/125	10M	OPTO6110
1Gbps	62.5/125	15M	OPTO6115
1Gbps	62.5/125	20M	OPTO6120



### SC-SC/APC SINGLEMODE DUPLEX OS1

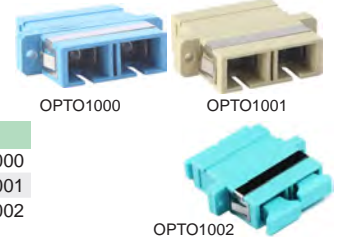
Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO431
1Gbps	9/125	2M	OPTO432
1Gbps	9/125	3M	OPTO433
1Gbps	9/125	5M	OPTO435
1Gbps	9/125	10M	OPTO4310
1Gbps	9/125	15M	OPTO4315
1Gbps	9/125	20M	OPTO4320
1Gbps	9/125	30M	OPTO4330



### SC - SC ADAPTOR

#### FIBRE THROUGH DUPLEX ADAPTORS

Mode	Plug	Type	Code
Single mode	SC-SC	OS1	OPTO1000
Multimode	SC-SC	OM1	OPTO1001
Multimode	SC-SC	OM3	OPTO1002



### SC/APC-SC/APC SINGLEMODE DUPLEX OS1

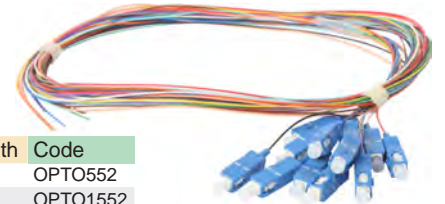
Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO441
1Gbps	9/125	2M	OPTO442
1Gbps	9/125	3M	OPTO443
1Gbps	9/125	5M	OPTO445
1Gbps	9/125	10M	OPTO4410



### SC PIGTAILS - 12 PIECES EACH

12 coloured leads.  
2 metres long each.  
Bare optic ends.

Speed	Micron	Length	Code
1Gbps	62.5/125	2M	OPTO552
1Gbps	50/125	2M	OPTO1552







## □ Fibre Optic

### LC-LC MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO681
1Gbps	62.5/125	2M	OPTO682
1Gbps	62.5/125	3M	OPTO683
1Gbps	62.5/125	5M	OPTO685
1Gbps	62.5/125	10M	OPTO6810
1Gbps	62.5/125	15M	OPTO6815
1Gbps	62.5/125	20M	OPTO6820



### LC-LC MULTIMODE DUPLEX OM3

Speed	Micron	Length	Code
10Gbps	50/125	1M	OPTO581
10Gbps	50/125	2M	OPTO582
10Gbps	50/125	3M	OPTO583
10Gbps	50/125	5M	OPTO585
10Gbps	50/125	7M	OPTO587
10Gbps	50/125	10M	OPTO5810
10Gbps	50/125	15M	OPTO5815
10Gbps	50/125	20M	OPTO5820



### LC-LC MULTIMODE DUPLEX OM4

Speed	Micron	Length	Code
40/100GbE	50/125	0.5M	OPTO87005
40/100GbE	50/125	1M	OPTO8701
40/100GbE	50/125	2M	OPTO8702
40/100GbE	50/125	3M	OPTO8703
40/100GbE	50/125	5M	OPTO8705
40/100GbE	50/125	10M	OPTO8710
40/100GbE	50/125	15M	OPTO8715
40/100GbE	50/125	20M	OPTO8720
40/100GbE	50/125	25M	OPTO8725
40/100GbE	50/125	30M	OPTO8730
40/100GbE	50/125	35M	OPTO8735
40/100GbE	50/125	40M	OPTO8740
40/100GbE	50/125	45M	OPTO8745
40/100GbE	50/125	50M	OPTO8750



### LC-LC MULTIMODE DUPLEX OM4 ARMoured

Speed	Micron	Length	Code
10Gbps	50/125	20M	OPTO8920
10Gbps	50/125	25M	OPTO8925
10Gbps	50/125	30M	OPTO8930
10Gbps	50/125	35M	OPTO8935
10Gbps	50/125	40M	OPTO8940
10Gbps	50/125	45M	OPTO8945
10Gbps	50/125	50M	OPTO8950
10Gbps	50/125	75M	OPTO8975
10Gbps	50/125	100M	OPTO89100



### LC-LC SINGLEMODE DUPLEX OS1

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO761
1Gbps	9/125	2M	OPTO762
1Gbps	9/125	3M	OPTO763
1Gbps	9/125	5M	OPTO765
1Gbps	9/125	10M	OPTO7610
1Gbps	9/125	15M	OPTO7615
1Gbps	9/125	20M	OPTO7620



### LC-LC/APC SINGLEMODE DUPLEX

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO401
1Gbps	9/125	2M	OPTO402
1Gbps	9/125	3M	OPTO403
1Gbps	9/125	5M	OPTO405
1Gbps	9/125	10M	OPTO4010
1Gbps	9/125	15M	OPTO4015



### LC/APC-LC/APC SINGLEMODE DUPLEX

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO421
1Gbps	9/125	2M	OPTO422
1Gbps	9/125	3M	OPTO423
1Gbps	9/125	5M	OPTO425
1Gbps	9/125	10M	OPTO4210



### LC-SC SINGLEMODE DUPLEX OS1

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO751
1Gbps	9/125	2M	OPTO752
1Gbps	9/125	3M	OPTO753
1Gbps	9/125	5M	OPTO755
1Gbps	9/125	10M	OPTO7510
1Gbps	9/125	15M	OPTO7515
1Gbps	9/125	20M	OPTO7520



### LC-SC MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO671
1Gbps	62.5/125	2M	OPTO672
1Gbps	62.5/125	3M	OPTO673
1Gbps	62.5/125	5M	OPTO675
1Gbps	62.5/125	10M	OPTO6710
1Gbps	62.5/125	15M	OPTO6715
1Gbps	62.5/125	20M	OPTO6720



### LC-SC MULTIMODE DUPLEX OM3

Speed	Micron	Length	Code
10Gbps	50/125	1M	OPTO571
10Gbps	50/125	2M	OPTO572
10Gbps	50/125	3M	OPTO573
10Gbps	50/125	5M	OPTO575
10Gbps	50/125	10M	OPTO5710
10Gbps	50/125	15M	OPTO5715
10Gbps	50/125	20M	OPTO5720



### LC-SC MULTIMODE DUPLEX OM4

Speed	Micron	Length	Code
40/100GbE	50/125	0.5M	OPTO85005
40/100GbE	50/125	1M	OPTO8501
40/100GbE	50/125	2M	OPTO8502
40/100GbE	50/125	3M	OPTO8503
40/100GbE	50/125	5M	OPTO8505
40/100GbE	50/125	10M	OPTO8510
40/100GbE	50/125	15M	OPTO8515
40/100GbE	50/125	20M	OPTO8520



### LC-SC MULTIMODE DUPLEX OM4 ARMoured

Speed	Micron	Length	Code
10Gbps	50/125	20M	OPTO8420
10Gbps	50/125	25M	OPTO8425
10Gbps	50/125	30M	OPTO8430
10Gbps	50/125	35M	OPTO8435
10Gbps	50/125	40M	OPTO8440
10Gbps	50/125	45M	OPTO8445
10Gbps	50/125	50M	OPTO8450
10Gbps	50/125	75M	OPTO8475
10Gbps	50/125	100M	OPTO84100



### LC-SC/APC SINGLEMODE DUPLEX OS1

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO411
1Gbps	9/125	2M	OPTO412
1Gbps	9/125	3M	OPTO413
1Gbps	9/125	5M	OPTO415
1Gbps	9/125	10M	OPTO4110
1Gbps	9/125	15M	OPTO4115
1Gbps	9/125	20M	OPTO4120
1Gbps	9/125	30M	OPTO4130







## LC-ST SINGLEMODE DUPLEX OS1

Speed	Micron	Length	Code
1Gbps	9/125	1M	OPTO741
1Gbps	9/125	2M	OPTO742
1Gbps	9/125	3M	OPTO743
1Gbps	9/125	5M	OPTO745
1Gbps	9/125	10M	OPTO7410
1Gbps	9/125	15M	OPTO7415
1Gbps	9/125	20M	OPTO7420



## MTRJ-MTRJ MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO641
1Gbps	62.5/125	2M	OPTO642
1Gbps	62.5/125	3M	OPTO643
1Gbps	62.5/125	5M	OPTO645
1Gbps	62.5/125	10M	OPTO6410
1Gbps	62.5/125	15M	OPTO6415
1Gbps	62.5/125	20M	OPTO6420



## LC-ST MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO661
1Gbps	62.5/125	2M	OPTO662
1Gbps	62.5/125	3M	OPTO663
1Gbps	62.5/125	5M	OPTO665
1Gbps	62.5/125	10M	OPTO6610
1Gbps	62.5/125	15M	OPTO6615
1Gbps	62.5/125	20M	OPTO6620



## MTRJ-LC MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO781
1Gbps	62.5/125	2M	OPTO782
1Gbps	62.5/125	3M	OPTO783
1Gbps	62.5/125	5M	OPTO785



## LC-ST MULTIMODE DUPLEX OM3

Speed	Micron	Length	Code
10Gbps	50/125	1M	OPTO561
10Gbps	50/125	2M	OPTO562
10Gbps	50/125	3M	OPTO563
10Gbps	50/125	5M	OPTO565
10Gbps	50/125	10M	OPTO5610
10Gbps	50/125	15M	OPTO5615
10Gbps	50/125	20M	OPTO5620



## MTRJ-SC MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO651
1Gbps	62.5/125	2M	OPTO652
1Gbps	62.5/125	3M	OPTO653
1Gbps	62.5/125	5M	OPTO655
1Gbps	62.5/125	10M	OPTO6510
1Gbps	62.5/125	15M	OPTO6515
1Gbps	62.5/125	20M	OPTO6520



## MTRJ-ST MULTIMODE DUPLEX OM1

Speed	Micron	Length	Code
1Gbps	62.5/125	1M	OPTO771
1Gbps	62.5/125	2M	OPTO772
1Gbps	62.5/125	3M	OPTO773
1Gbps	62.5/125	5M	OPTO775
1Gbps	62.5/125	10M	OPTO7710
1Gbps	62.5/125	15M	OPTO7715
1Gbps	62.5/125	20M	OPTO7720



## LC-ST MULTIMODE DUPLEX OM4

Speed	Micron	Length	Code
40/100GbE	50/125	0.5M	OPTO88005
40/100GbE	50/125	1M	OPTO8801
40/100GbE	50/125	2M	OPTO8802
40/100GbE	50/125	3M	OPTO8803
40/100GbE	50/125	5M	OPTO8805
40/100GbE	50/125	10M	OPTO8810
40/100GbE	50/125	15M	OPTO8815
40/100GbE	50/125	20M	OPTO8820



## LC - LC ADAPTORS

Mode	Plug	Type	Code
Multimode	LC-LC	OM1	OPTO1003
Multimode	LC-LC	OM3	OPTO1004
Multimode	LC-LC	Keystone	OPTO1004K



OPTO1003



OPTO1004

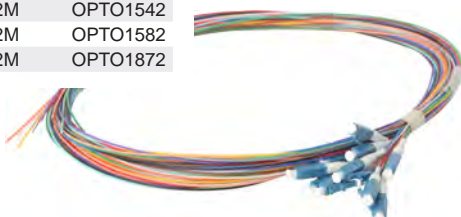


OPTO1004K

## LC PIGTAILS - 12 PIECES EACH

Speed	Micron	Length	Code
1Gbs	9/125	2M	OPTO542
1Gbs	62.5/125	2M	OPTO1542
10Gbs	50/125	2M	OPTO1582
40Gbps+	50/125	2M	OPTO1872

12 coloured leads.  
2 metres long each.  
Bare optic ends.



## LEVELONE FIBRE TRANSCEIVERS [http:// au.level1.com](http://au.level1.com)

Code	Description
SFP-1101	155Mbs Transceiver, (MM 2km), Duplex LC
SFP-1311	155Mbs Transceiver, (SM 20km), Duplex LC
SFP-1411	155Mbs Transceiver, (SM 40km), Duplex LC
SFP-3001	1.25G Transceiver, SX (MM 500m), Duplex LC
SFP-3111	1.25G Transceiver, MLX (MM 2Km), Duplex LC
SFP-3211	1.25G Transceiver ,LX (SM 10km), Duplex LC
SFP-3611	1.25G Transceiver ,ZX (SM 80km), Duplex LC
SFP-3711	1.25G Transceiver ,EZ (SM 120km), Duplex LC
SFP-3841	1.25G Transceiver, TX Copper (100m), RJ 45 Type
SFP-7321	155 Mbs BIDI, (SM 20km 1310/1550), Simplex LC
SFP-7331	155 Mbs BIDI, (SM 20km 1550/1310), Simplex LC
SFP-7421	155 Mbs BIDI, (SM 40km 1310/1550), Simplex LC
SFP-7431	155 Mbs BIDI, (SM 40km 1550/1310), Simplex LC
SFP-9221	1.25G BIDI, (SM 10km 1310/1550), Simplex LC
SFP-9231	1.25G BIDI, (SM 10km 1550/1310), Simplex LC
SFP-9321	1.25G BIDI, (SM 20km 1310/1550), Simplex LC
SFP-9331	1.25G BIDI, (SM 20km 1550/1310), Simplex LC
SFP-9421	1.25G BIDI, (SM 40km 1310/1550), Simplex LC
SFP-9431	1.25G BIDI, (SM 40km 1550/1310), Simplex LC
GVT-0301	1.25G Single-mode SFP Transceiver (10km)
GVT-0302	1.25G Single-mode SFP Transceiver (80km)
XFP-5901	10G transceiver SR, (MM 300m)
XFP-5211	10G transceiver LR, (SM 10km)
SFP-6141	10Gbps Single-mode SFP Plus Transceiver (40km)
SFP-6101	10Gbps Multi-mode SFP Plus Transceiver (300m)
SFP-6121	10Gbps Single-mode SFP Plus Transceiver (10km)





## Powerline

### AV200 POWER LINE ADAPTOR TP-LINK 200Mbps

#### COMPACT & ECONOMICAL HOME NETWORKING

Use your home's existing electrical wires to transfer data. No additional wiring required, simply plug into existing power sockets and instantly establish a networking infrastructure. With high-speed data transfer rates of up to 200Mbps.

#### Code

TL-PA211KIT



### AV500 POWERLINE KIT TP-LINK

#### HIGH SPEED 500MBPS NETWORKING

Up to 500Mbps powerline speed ensures smooth HD streaming. New-generation with Power-Saving Mode consumes less power when there is no data transmission or reception occurs over a certain period of time.

#### Code

TL-PA411KIT



### AV500 POWERLINE KIT WITH WIFI TP-LINK

#### CREATE A NEW WIFI HOT-SPOT

Up to 500Mbps high speed data transmission over your home's existing electrical wiring. Also extending 300Mbps wireless connections to previously hard-to-reach areas of your home and office. Two Ethernet ports. Wi-Fi Clone Button simplifies your a secure configuration.

#### Code

TL-WPA4220KIT



### AV500 POWERLINE KIT AC PASS THROUGH TP-LINK

#### AC SOCKETS ARE FILTERED

Up to 500Mbps over 300M in-house stable high speed data transmission. Intelligent QoS ensures optimum file streaming. Integrated mains filter suppresses noise interference to equipment plugged into the socket.

#### Code

TL-PA4010PKIT



### AV500 POWERLINE EXTENDER

#### EXTEND PoE SIGNAL TO ETHERNET & WIFI

Boost your Powerline network with additional WiFi 300M access points. Requires any AV500 KIT system already installed and to build upon. Also has 2x Ethernet ports. Expands on the following kits:  
TL-PA411KIT  
TL-PA4010KIT  
TL-WPA4220KIT

#### Code

TL-WPA4220



### 500MBPS POWERLINE KIT NETCOMM

#### NETWORK THROUGH YOUR EXISTING ELECTRICAL WIRING

Transform your existing electrical wiring into a network capable of transmitting data at super-fast 500Mbps between the adaptors and create an instant access point for bandwidth-intensive activities such as HD-TV, online gaming, multimedia and video streaming with plug and play simplicity. Compact, easy to use. It can turn every power point into a powerful high-speed Internet connection in any room of the house using your existing network of power lines. The AC filtered pass-through socket improves network performance over the power lines by reducing noise interference from other electrical devices to give you an optimal online experience.

#### Code

NP511



### 600Mbps POWERLINE KIT NETCOMM

#### GIGABIT ETHERNET FOR BANDWIDTH DEMANDING DEVICES

NetComm's 600Mbps Powerline Adaptors with AC Pass-through will give your home network the capacity to handle super bandwidth-intensive applications such as HD-TV, online gaming, multimedia and video streaming with plug and play simplicity. An available power point is all you need to create a powerful high-speed Internet connection in any room of the house using your existing network of Powerline. The compact adaptors are easy to setup simply connect and begin to use.

#### Code

NP507







## WiFi

## Router

### WIFI ROUTER 300M TP-LINK

**TP-LINK 11n 300Mbps**  
Reduced data collision for  
High reliability & speed  
4x 10M/100M CAT5 LAN &  
WiFi 802.11b/g/n MIMO  
Plus WAN for Opt. Modem

Speed Code  
300M TLWR841ND



### WIFI ROUTER AC750 TP-LINK

**DUAL BAND - DUAL ANTENNA**  
5GHz 802.11ac 433Mbps  
2.4GHz 802.11n 300Mbps  
Gigabit Router 4 Port  
Gigabit WAN Port  
USB Share port

Speed Code  
750M TL-ARCHERC2



### WIFI ROUTER 300M TP-LINK

**TP-LINK 11n 300Mbps**  
Multiple-In Multiple-Out Wi-Fi 11n  
4 Port Hub 100M Fast Ethernet.  
WAN port for Optional Modem.

Speed Code  
300M TLWR941ND



### WIFI ROUTER AC1200 TP-LINK

**DUAL BAND - DUAL ANTENNA**  
5GHz 802.11ac 867Mbps  
2.4GHz 802.11n 300Mbps  
Gigabit Router 4 Port  
Gigabit WAN Port  
USB x2 Share

Speed Code  
1200M TL-ARCHERC5



### WIFI ROUTER 300M TP-LINK GIGABIT

**802.11N + GIGABIT ETHERNET + USB**  
Speed boost mode increases wireless  
speed up to 300Mbps, Multi-functional  
USB 2.0 port - Easily share printers,  
files or media locally or over the  
internet. Built-in 4 super fast gigabit  
ethernet ports. Wireless security  
easily at a push of WPS Button.

Speed Code  
300Mbps TL-WR1043ND



### WIFI ROUTER AC1750 TP-LINK

**SIX ANTENNA DUAL BAND**  
5GHz 802.11ac 1300Mbps  
2.4GHz 802.11n 450Mbps  
Gigabit Router 4 Port  
Gigabit WAN Port  
USB x2 Share

Speed Code  
1750M TL-ARCHERC7



### WIFI ROUTER 450M TP-LINK METAL

- 450Mbps Wi-Fi 2.4GHz 3x3 MIMO  
Ideal for interruption sensitive  
applications like HD video streaming
- Metallic Exterior – A steel exterior  
finish prevents outside interference  
to create an overall reliable network  
experience and cosmetic footprint
- Superior Coverage – Three external  
antennas increase the stable  
omnidirectional signal 3x3 MIMO
- TP-Link Tether App – Easily access  
and manage your network using any  
iOS or Android mobile device

Speed Code  
450Mbps TL-WR945N



### WIFI ROUTER AC1900 TP-LINK

AC1900 Wireless 2.4GHz 600Mbps  
/ 5GHz 1300Mbps Gigabit Router  
with Beamforming technology and  
USB 3.0 sharing.

Speed Code  
1900M TL-ARCHERC9







## 3G/4G Router

### 3G & NEXT-G ACCESS POINT WIFI ONLY 150M

#### REQUIRES USB DONGLE MODEM

Compact Level1 portable.  
3G modem USB input  
11n 150Mbps WiFi out  
Powered by USB or  
240Vac mains supply



Speed	Code
150M	WBR-6801

### 3G/4G WIRELESS ACCESS POINT WAN

#### REQUIRES USB DONGLE MODEM

Compatible with 120+ LTE/  
HSPA+/UMTS/EVDO 3G/4G  
USB modems. WAN port for  
failover. Switch between 3G/4G,  
WISP, AP. USB Powered.



Speed	Code
150Mbps	TL-MR3020
AC750	TL-WR902AC



### 3G/4G WIRELESS ACCESS POINT 300M

#### TP-LINK - REQUIRES USB MODEM

Share your 3G connection  
with 11n wireless. One WAN  
port for connection to a Cable  
broadband modem with 3G  
failover. LAN port for Ethernet.  
Requires 3G USB Modem.



Speed	Code
300M	TL-MR3420



### 3G/4G WIRELESS ACCESS POINT WAN 150M

#### BATTERY POWERED

Compatible with LTE/ HSPA+/UMTS/EVDO 3G/4G  
USB modems. Features a 2000mAh battery  
for maximum usage time. 3G/4G Router,  
Travel Router (AP), WISP Client  
Router.



Speed	Code
150Mbps	TL-MR3040



### 4G LTE-ADVANCED MOBILE WIFI

#### PORTABLE BATTERY OPERATED

- 4G LTE supported with up to 150Mbps download and 50Mbps upload speeds
- Supports up to 10 devices simultaneously
- All useful information with screen display
- 2550mAh battery for 10 hours of working
- Select 2.4GHz or 5GHz Wi-Fi 300Mbps
- Equipped with a micro SD card slot for up to 32GB of optional storage



Speed	Code
300Mbps	M7350

### 3G/4G WIRELESS ACCESS POINT ROUTER 300M

#### NETCOMM GIGABIT WAN/LAN N300 VOICE

- USB Input for sharing 3G/4G external modem
- Future ready with Gigabit WAN input
- 300Mbps strong WiFi router
- 4 Gigabit Ethernet LAN ports.
- Phone port for making calls VoIP
- USB Port for storage share access
- Optimised to be NBN Ready



Speed	Code
300M	NF5



### 3G/4G WIRELESS ACCESS POINT ADSL2+ AC1200

#### NETCOMM WIFI GIGABIT MODEM ROUTER

- ADSL2+ Inbuilt Modem w/ failover to
- 3G/4G support (USB Dongle required.)
- Gigabit WAN Port for NBN Ready
- Gigabit 4 port HUB router
- Dual band 1200Mbps WiFi network
- Voice: VoIP, FXS port
- USB Storage sharing facility



Speed	Code
N1200	NB16WV-03



### 3G/4G WIRELESS ACCESS POINT AC450

#### NETCOMM DUAL-BAND WIFI & GIGABIT PORT

The compact 3G/4G Dual Band AC WiFi Router. Ideal for travel, the router can be used to create a wireless hotspot for you to share your internet connection from your 3G or 4G USB modem dongle, or a wired internet connection via the Ethernet port. Requires USB modem dongle.



Speed	Code
750Mbps	ARCHERM200



Speed	Code
N450	4GM3W



### 3G/4G WIRELESS ACCESS POINT ADSL2+ AC600

#### NETCOMM WIFI GIGABIT MODEM ROUTER

- ADSL2+ Inbuilt Modem w/ failover to
- 3G/4G support (USB Dongle required.)
- Gigabit WAN Port for NBN Ready
- Gigabit 4 port HUB router
- Dual band 600Mbps WiFi network
- Voice: VoIP, FXS port
- USB Storage sharing facility



Speed	Code
N600	NB16WV-02







## ADSL Modem

### 150M ADSL2+ WIRELESS MODEM ROUTER LEVEL 1

#### WITH 4x 100Mbps ETHERNET PORTS

ADSL/2+ Modem with 4 Port 100Mbps Ethernet Hub and 150Mbps WiFi. Access and share the internet. WiFi I/O button. Supports QoS, URL Blocking, MAC Filtering, IPSec, L2TP, PPTP, VPN, NAT, etc.

Speed	Code
150M	WBR-6603



### ADSL2+ MODEM ROUTER WIFI TP-LINK

#### TP-LINK 4 PORT + WIRELESS

ADSL2+ Modem with 4 Port ethernet 100Mbps hub and 150M(300M)bps WiFi Router. Detachable antenna.

Speed	Code
300M	TD-W8960N



### ADSL2+ MODEM WIFI ROUTER 300M TP-LINK

#### OPTIONAL 3G USB MODEM SUPPORT

ADSL Modem, NAT Router, Switch and Wireless N Access Point. 2.4GHz, IEEE802.11b/g/n, 300Mbps. USB Port for Storage, Printer, 3G Modem\* Sharing, FTP Server and Media Server. Supports the latest Internet Protocol IPv6. TP-Link.

Speed	Code
300M	TD-W8968



### ADSL2+ MODEM WIFI ROUTER 300M NETCOMM

#### IPv6 N300 LAN WAN

High performance WiFi Hot spot router with 4 port ethernet and modem. USB server port. Ready for Internet Protocol Version 6.

Speed	Code
300Mbps	NB604N



### ADSL2+ MODEM WIFI ROUTER 300M TP-LINK

#### WITH USB FTP MEDIA SERVER

ADSL2+ Modem, Router, 4-Gigabit-Port Switch and Wireless N Access Point. 300Mbps Wireless speed and Gigabit Ethernet ports, ideal for multiple HD video streams. 2x USB ports for storage, printer sharing, FTP Server and Media Server. TP-Link

Speed	Code
300Mbps	TD-W8970



### ADSL2+ MODEM ROUTER DUAL BAND TP-LINK

#### MODEM ACCESS POINT 600Mbps

TP-LINK's N600 wireless dual band gigabit ADSL2+ modem router. 5GHz / 2.4GHz band to achieve ~600Mbps max. of total bandwidth. It also has 4 gigabit LAN ports. With 2 multifunctional USB ports, users can share printers, files and media across the local network or the internet.

Speed	Code
600Mbps	TD-W8980



### ADSL2+ MODEM ROUTER DUAL-BAND TP-LINK

#### TP-LINK 1750Mbps DUAL BAND

Superfast WiFi data transfer rates. Dual band offers two dedicated network and avoids interference for a better online experience. Boost Wi-Fi coverage throughout your home. Advanced Beamforming technology enables Archer to focus WiFi signals.

Speed	Code
1750M	ARCHERD7
1200M	ARCHERD5



### ADSL2+ MODEM WIFI ROUTER AC1900 TP-LINK

#### TP-LINK 1900Mbps DUAL BAND

Superfast 1900Mbps data transfer rates. Dual band avoids interference. Featuring three detachable external antennas and high power amplifiers. Advanced Beamforming technology to focus WiFi signal to connected devices even over a long distance, delivering a more targeted and highly efficient wireless connection.

Speed	Code
1900M	ARCHERD9



### VDSL / ADSL MODEM ROUTER AC1600

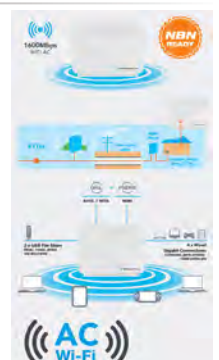
#### NBN READY - DUAL BAND WIFI 1300Mbps

- Inbuilt ADSL2+ Modem with future ready
- VDSL provides over 100Mbps data rates
- NBN "Fibre to the Node" ready Gigabit WAN
- High speed AC WiFi Dual band 2.4GHz/5GHz

Speed	Code
N1600	NF8AC



**VDSL  
ADSL  
AC1600**







## Access Point

### WIFI ACCESS POINT CEILING

#### 300M PoE OMNI - EDIMAX

Multiple modes; Access point, WDS Point to point, WDS Point to multiple points, and repeater. LAN (with/without PnP). Includes power pack for local power. Ceiling mount with indicators.

Speed	Code
300Mbps	EW-7428HCN



### WIFI ACCESS POINT CEILING TP-LINK 300M

2x MIMO, PoE option. Gigabit Ethernet Input. 48x180mmØ Dust Proof

Speed	Code
300M	EAP120



### WIFI ACCESS POINT CEILING TP-LINK N600

#### DUAL BAND 2.4GHZ & 5GHZ

4x MIMO, PoE option. Gigabit Ethernet Input. 48x180mmØ Dust Proof

Speed	Code
N600	EAP220



### WIFI ACCESS POINT TP-LINK 150M-450M

#### PoE 802.11g/b/n

Wireless LAN Access Point, Client, Universal/ WDS Repeater, Wireless Bridge. WPS button. Detachable SMA antenna/s.

Speed	Code
150Mbps	TL-WA701ND
300Mbps	TL-WA801ND
450Mbps	TL-WA901ND



TL-WA701ND = 1 Antenna  
TL-WA801ND = 2 Antenna  
TL-WA901ND = 3 Antenna

### WIFI ACCESS POINT AC750 TP-LINK

300Mbps on 2.4GHz and 433Mbps on 5GHz totals 750Mbps Wi-Fi speeds AP Mode (Default Mode), Repeater/ Bridge Mode, Client Mode, Multi-SSID Mode

Speed	Code
AC750	TL-AP200



### WIFI ACCESS POINT PoE LEVEL1

#### N-TYPE CONNECTOR

PoE Ethernet RJ45 Input. IP55 weather resistant. IEEE 802.11 b/g/n. 150Mbps.

Speed	Code
150M	WAB-6120



### WIFI ACCESS POINT PoE TP-LINK 2.4GHZ OR 5GHZ

#### 2x2 MIMO 9dBi DIRECTIONAL

TP-LINK's 300Mbps Outdoor CPE for outdoor wireless networking applications. With its centralized management application, it is ideal for point-to-point, point-to-multipoint and outdoor Wi-Fi coverage applications.

Freq.	Gain	Tx.	Code
2.4GHz	9dBi	½W 27dBm	TL-CPE210
2.4GHz	13dBi	1W 30dBm	TL-CPE220
5GHz	13dBi	¼W 23dBm	TL-CPE510
5GHz	16dBi	½W 27dBm	TL-CPE520



### 300M OUTDOOR WIRELESS BASE STATION - 5GHz

TP-LINK's 5GHz 300Mbps Outdoor Wireless Base Station is specifically designed to provide an effective solution for outdoor wireless networking applications. With its centralised management platform and high degree of flexibility, it is the ideal choice for providing point-to-point, point-to-multipoint, and outdoor Wi-Fi coverage. Two external RP-SMA antenna interfaces allow the Outdoor Wireless Base Station to integrate seamlessly with TP-LINK's line of sector and dish antennas.

Speed	Freq.	Code
300M	5GHz	TL-WBS510







## Range Extenders

### WIFI RANGE EXTENDER 300M TP-LINK

#### MIMO DUAL 5dB ANTENNA

Stand-alone zone expansion  
Compatible with 802.11b/g/n  
One Button for Connection  
WPA / WPA2 Encryptions  
Wireless N - Speed & Range

Speed	Code
300m	TL-WA830RE



### WIFI RANGE EXTENDER 300M TP-LINK

#### ACCESS POINT OR EXTENDER

Simply plug into an AC socket to receive and boost your WiFi or Connect Ethernet to provide a WiFi access point. Signal reception strength indicator for easy location.

Speed	Code
300M	TL-WA850RE



### DUAL BAND WIFI EXTENDER AC750 NETCOMM

#### EXTENDS AS A REPEATER OR WIRELESS ACCESS POINT

Combat weak wireless signals in the home or office. The AC750 WiFi Extender features the latest 802.11ac WiFi technology. The unobtrusive device connects directly to the wall, features 5 signal strength LEDs that guide you into the best location, has a WPS button for easy pairing with wireless clients and advanced wireless security features. Wireless access point with Ethernet input.

Speed	Code
AC750	NP127



### WIFI RANGE EXTENDER AC1200 TP-LINK

#### DUAL BAND 2.4GHz & 5GHz

Eliminates Wi-Fi dead zones with this strong Wi-Fi range extender at a combined speed of up to 1200 Mbps. With the built-in access point mode enabled, you can connect this device to a gigabit ethernet cable and use this as an access point.

Speed	Code
AC1200	TL-RE350



## Dongle

### WIFI USB N NANO USB ADAPTOR TP-LINK

#### COMPACT LOW PROFILE ADAPTOR

Speed	Code
150M	TL-WN725N



### WIFI MINI USB DONGLE LEVEL1

#### 300Mbps 802.11n

Short stubby dongle solution.  
High-speed 11n WiFi to USB2.0

Speed	Code
300Mbps	WUA-0605



### WIFI USB MINI DONGLE TP-LINK

#### COMPACT DONGLES

Direct to USB2.0 input Inbuilt antenna

Speed	Code
150Mbps	TL-WN723N
150Mbps	TL-WN727N
300Mbps	TL-WN823N
300Mbps	TL-WN821N



### WIFI USB AC600 DUAL BAND USB TP-LINK

#### ULTRA-FAST 802.11AC USB WIRELESS ADAPTOR

Speed	Code
600M	TL-ARCHERT2U



### WIFI USB AC1200 DUAL BAND USB TP-LINK

#### ULTRA-FAST 802.11AC USB WIRELESS ADAPTOR

Speed	Code
1200M	TL-ARCHERT4U



### WIFI USB TP-LINK HIGH POWER MINI-DESKTOP

High power wireless adaptor with extra powerful wireless capability which offers up to 8 times the range of conventional adaptors and excellent penetrability. 1.5M USB Lead. Detachable 5dB RP-SMA Antenna/s.

Speed	Code
150M	TL-WN7200ND
300M	TL-WN8200ND



### WIFI USB TP-LINK DUAL ANTENNA 300M

#### DESKTOP MOUNT

Dual antenna for improved reception with MIMO performance. 1.5M USB Lead for desktop positioning. Win8.1 PnP.

Speed	Code
300Mbps	TL-WN822N



### WIFI USB DONGLE LEVEL1 150M

#### 2dB OR 5dB EXTERNAL ANTENNA

Antenna are removable for SMA Extension or connection to an optional high gain 2.4GHz antenna.

Type	Code
2dBi Antenna	WUA-0614
5dBi Antenna	WUA-0624



### WIFI USB LEVEL1 DUAL ANTENNA 300M

#### DETACHABLE ANTENNA MIMO

Type	Code
Dual 2dBi Antenna	WUA-1610







## □ Antenna WiFi & Broadband

### □ Antenna WiFi

#### WIRELESS ETHERNET ANTENNA

##### EXTEND NETWORK RANGE

Omni-Directional or Directional.  
2.4-2.5GHz WiFi All Channels.  
Usually SMA Reverse Plug.



#### WIFI ANTENNA INDOOR OMNI 5dB / 8dB

##### TP-LINK MAGNETIC BASE TILT ANTENNA

Omni-Directional 2.4-2.5GHz 5dBi SMA Reverse Plug  
1M Cable length VSWR 1.92 max 1W

Band	802.11b/g
Freq.	2.4GHz
Size	195mm 201mm
Plug	SMA-RP
Lead	1.3M
Brand	TP-Link
Gain	5dBi 8dBi
Code	ANT2405C ANT2408C



#### WIFI INDOOR UNI

Compact desktop directional for extra distance

Band	802.11b/g/n
Freq.	2.4GHz & 5GHz
Gain	6dBi & 8dBi
Size	100mm
Plug	SMA-RP
Lead	1M
Brand	Level1
Code	WAN1160



#### WIFI INDOOR OMNI & BASE

High gain antenna with elbow joint Direct SMA-RP connection or  
Desktop mount kit includes base.

Band	802.11b/g
Freq.	2.4GHz
Plug	SMA-RP
Lead	1.5M
Brand	Cellink
Gain	13dBi 9dBi
Size	400mm 330mm
Code	ANT2552 ANT2551



#### WIFI INDOOR UNI

##### TP-LINK PANEL 6dB

150mm tall Directional Desk or wall mount.

Band	802.11b/g
Freq.	2.4GHz
Gain	6dBi
Size	150mm
Plug	SMA-RP
Lead	1M
Brand	TP-Link
Code	ANT2406A



#### WIFI ANTENNA SMA-RP

High gain antenna upgrades  
with elbow joint for right angle  
Direct SMA-RP connection.  
Suit modems & cards, etc.

Band	802.11b/g
Freq.	2.4GHz
Plug	SMA-RP
Brand	Cellink
Gain	13dBi 9dBi 7dBi 5dBi
Size	400mm 330mm 280mm 200mm
Code	ANT2556 ANT2555 ANT2554 ANT2553



#### WIFI ANTENNA OUTDOOR UNI TP-LINK

##### TP-LINK PANEL 9/14dB

Directional (Yagi) 2.4-2.5GHz  
9/14dBi Available with SMA Reverse  
Plug or N Female Plug 1M Cable

Band	802.11b/g
Freq.	2.4GHz
Lead	1M
Brand	TP-Link
Gain	9dBi 9dBi 14dBi 14dBi
Plug	SMA-RP N Female SMA-RP N Female
Code	ANT2409A ANT2409B ANT2414A ANT2414B



#### WIFI ANTENNA SMA-RP

##### REVERSE SMA EXTERNAL ANTENNA

LevelOne 5dBi Omni-directional Indoor Antenna.  
Ideal alternative to standard 2dBi detachable antennas  
found on many Wireless Routers and Access Points.  
This antenna provides users with a stronger and more  
stable wireless network connection. 802.11b/g/n

Band	802.11b/g
Freq.	2.4-2.5GHz
Plug	SMA-RP
Brand	Level1
Gain	5dBi
Code	OAN-0501



#### WIFI UNI PANEL 18dBi

Outdoor Antenna is made of non-corrosion materials and is  
weatherproof with lightning surge protection.  
WAN-9180 is 5GHz and Dual Polarization (Dual input).

Band	802.11b/g/n	802.11b/g/n
Freq.	5GHz	2.5GHz
Gain	18dBi	18dBi
Size	256x227mm	365x365mm
Plug	N Female x2	N Female x1
Lead	-	-
Brand	Level1	Level1
Code	WAN-9180	WAN-2181







## WIFI ANTENNA 5GHZ TP-LINK

### OUTDOOR PANEL

Long distance point-to-point connection, providing stable wireless links.

Band	802.11a/n
Freq.	5GHz
Gain	23dBi
Size	320x320x20mm
Plug	N Female
Brand	TP-Link
Code	ANT5823B



## WIFI ANTENNA INDOOR PANEL

### WIDE-BAND 10dBi

824-960 & 1710-2500MHz Data/Voice/Image/LAN Indoor wall mount Flat panel type White 210x180x44mm 50W Max power Gain is 7dBi-10dBi

Band	WiFi 802.11b/g/n
Freq.	824-960MHz + 1.7-2.5GHz
Gain	10dBi
Size	210x180x44mm
Plug	N Female
Brand	Wide-Band
Code	ANT472



## WIFI ANTENNA OUTDOOR UNI 8.5dB

### LEVEL-ONE 8.5dB

Indoor / Outdoor panel Uni-Directional 2.4-2.7GHz 8.5dBi 120x120x43mm Beige Weather resistant. 30cm Lead "N" Plug. Range ~350M

Band	802.11 b/g
Freq.	2.4GHz
Gain	8.5dBi
Size	120x120x43mm
Lead	0.3M
Brand	Level1
Code	WAN-2185



## WIFI BRIDGING ANTENNA 11dB

### 1710MHz-2500MHz OUTDOOR

Outdoor weather proof Fibre Glass Radome Pole mounting kit. Short fly-lead output.

Band	4G / 3G / NextG / LTE / GSM
Freq.	698-960MHz + 1.7-2.7GHz
Gain	8.5dBi-10.5dBi
Size	400x210x64mm
Plug	N Female
Lead	150mm
Brand	Cellink
Code	ANT476



## WIFI ANTENNA DUAL TYPE

### LEVEL-ONE 2T2R MIMO

2.4GHz Dual-Polarization to avoid interference. Wall mount. Optional Suction cup. Includes 3M UL-168 Cable SMA.

Band	11b/g/n
Freq.	2.4GHz
Gain	10.5dBi
Plug	2x SMA-RP
Lead	3M x2
Brand	Level1
Code	WAN-7100



## WIFI OUTDOOR OMNI ANTENNA 12dB/15dBi TP-LINK

### WALL OR POST MOUNT OMNI ANTENNA

Brand	TP-Link	TP-Link
Band	802.11b/g/n	802.11b/g/n
Freq.	2.4GHz	2.4GHz
Plug	N Female	N Female
Gain	12dBi	15dBi
Size	1200mm	1500mm
Code	TL-ANT2412D	TL-ANT2415D



## WIFI ACCESS POINT PoE LEVEL1

### N-TYPE CONNECTOR

PoE Ethernet RJ45 Input. IP55 weather resistant. IEEE 802.11 b/g/n. 150Mbps.

Speed	Code
150M	WAB-6120



## WIFI PARABOLIC GRID ANTENNA TP-LINK

### DIRECTIONAL BRIDGING

Size	60x100cm	60x90cm
Plug	N Female	
Brand	TP-Link	
Type	Uni	
Gain	24dBi	30dBi
Band	802.11b/g/n	802.11a/n
Freq.	2.4GHz	5GHz
Code	TL-ANT2424B	ANT5830B







## Wireless Broadband

### 5dB PANEL MOUNT WHIP ANTENNA

NextG 850 / GSM(900)

Cable 5M to FME Plug  
320mm 5dB RG58u

Code  
ANT406

500mm 7dB LL195

Code  
ANT447



### 5dB MAGNETIC BASE ANTENNA

LL195 4.0M Low-Loss Cable Flexible Height 345mm  
NextG 850 GSM900/1800 LTE 4G

Code  
ANT480

GSM900/1800 LTE 4G 3G-2100

Code  
ANT483



### 4dB MAGNETIC BASE ANTENNA

NextG 850

Compact 30mm base. Duco' protector. 300mm height.  
3M x RG174AU cable to FME Female plug.

Code  
ANT363



### 5dB THROUGH-GLASS ANTENNA

Car Antenna Cable 4.0 Metres LL195 Low-Loss Height 340mm

NextG 850 GSM900/1800 LTE 4G

Code  
ANT475

GSM900/1800 LTE 4G 3G-2100

Code  
ANT485



### 9dB THROUGH-GLASS ANTENNA

Car Antenna Cable 4.0 Metres LL195 Low-Loss Height 495/435mm

NextG 850 GSM900/1800 LTE 4G

Code  
ANT477

GSM900/1800 LTE 4G 3G-2100

Code  
ANT490



### 2.5dB ON GLASS ANTENNA - NEXTG LTE 4G

NextG 850 GSM900/1800 LTE 4G

Cable 2M RG174A/U 120x25mm

#### SUCTION CAPS

Code  
ANT495

#### STICK-ON

Code  
ANT491



### 2dB DESKTOP ANTENNA

Multi-purpose use. Cable 2M RG174A/U  
Height 295mm

NextG 850 GSM900/1800 LTE 4G 3G-2100

Code  
ANT444

1.9GHZ BROADBAND

Code  
ANT700



### 6db HEAVY DUTY ANTENNA

3G 2100GHz

Mounting hardware included  
Requires Cable.  
Height 900mm

Code  
ANT468

**Cellink**  
Mobile Media Products



### 6dB HEAVY DUTY ANTENNA

Mounting hardware included  
Requires Cable. Height 900mm

Colour	Code
White	ANT529WH
Black	ANT529BK

**Cellink**  
Mobile Media Products



### 7dB HEAVY DUTY WHIP 75cm

NextG 850 GSM900/1800 4G 3G-2100 LTE

5.0M LL195 Low-Loss cable Spring base bull whip

Colour	Code
Black	ANT451
White	ANT452

**Cellink**  
Mobile Media Products

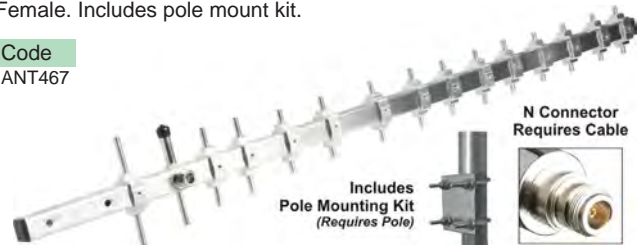


### 15dB YAGI DIRECTIONAL

15dB 2.1GHz 3G

2050-2150MHz 30W 670mm. Strong alloy long life. Highly directional.  
Suit 3G Phone network & 2.1GHz communications. Terminates to "N"  
Female. Includes pole mount kit.

Code  
ANT467

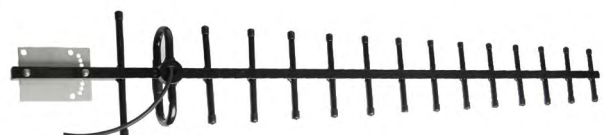


### 15dB HEAVY DUTY YAGI ANTENNA

NextG 850

825-890MHz Directional. Mounting hardware included.  
Multi-purpose use. Requires Cable. 1400x50x45mm

Code  
ANT465







## RF Cables

### TNC-RP Female To TNC-RP Male

Length	Coax	Code
1.5M	LL195	CAL5055
3.0M	LL195	CAL5056
5.0M	LL195	CAL5057
10M	LL195	CAL5058



### TNC-RP Male To "N" Male

Length	Coax	Code
1.5M	LL195	CAL6060
3.0M	LL195	CAL6061
5.0M	LL195	CAL6062
10M	LL195	CAL6063



### SMA-RP Female To SMA-RP Male

Length	Coax	Code
3.0M	RG58CU	CAL5013
5.0M	RG58CU	CAL5014
10M	RG58CU	CAL5015
15M	RG58CU	CAL5016
20M	RG58CU	CAL5017
3.0M	LL195	CAL5018
5.0M	LL195	CAL5019
6.0M	LL195	CAL5019-6
10M	LL195	CAL5020
15M	LL195	CAL5021
20M	LL195	CAL5022



### SMA-RP Male To "N" Male

Length	Coax	Code
3.0M	RG58CU	CAL5023
5.0M	RG58CU	CAL5024
10M	RG58CU	CAL5025
15M	RG58CU	CAL5026
20M	RG58CU	CAL5027
3.0M	LL195	CAL5028
5.0M	LL195	CAL5029
10M	LL195	CAL5030
15M	LL195	CAL5031
20M	LL195	CAL5032



### "N" Male To "N" Male

Length	Coax	Code
1.5M	RG58CU	CAL5065
3.0M	RG58CU	CAL5033
5.0M	RG58CU	CAL5034
10M	RG58CU	CAL5035
15M	RG58CU	CAL5036
20M	RG58CU	CAL5037
1.5M	LL195	CAL5066
3.0M	LL195	CAL5038
5.0M	LL195	CAL5039
10M	LL195	CAL5040
15M	LL195	CAL5041
20M	LL195	CAL5042



### LUCENT MC-CARD PATCH LEAD

#### Reverse-SMA ADAPTOR

As found on some PCMCIA 50cm Lead adapts this mini RF plug to the popular Reverse-SMA Suits WiFi, etc.

Code
CAL711



### MMCX PATCH LEAD

Micro-Miniature Plug

#### TO FME Male

Description	Code
RF Patch Cable Adaptor	CAL807
RF Patch Cable Adaptor	CAL812

#### TO SMA Female

Description	Code
RF Patch Cable Adaptor	CAL808



### FME Male To FME Female

Length	Coax	Code
1.5M	RG58CU	CAL5063
3.0M	RG58CU	CAL30
5.0M	RG58CU	CAL50
10M	RG58CU	CAL100
1.5M	LL195	CAL5064
3.0M	LL195	CAL31
5.0M	LL195	CAL51
10M	LL195	CAL101
15M	LL195	CAL102
20M	LL195	CAL103



### SMA Male To "N" Male

#### Low-Loss LL195

Length	Coax	Code
1.5M	LL195	CAL5060
3.0M	LL195	CAL5043
5.0M	LL195	CAL5044
10M	LL195	CAL5045
15M	LL195	CAL5046
20M	LL195	CAL5047



### SMA Male To SMA Male

#### Low-Loss LL195

Length	Coax	Code
1.5M	LL195	CAL5048
3.0M	LL195	CAL5049
5.0M	LL195	CAL5050



### SMA-M TO SMA-F PANEL MOUNT LEAD

#### Double nut for panel mounting the Female SMA

Length	Coax	Code
3.0M	LL195	CAL5099
4.0M	LL195	CAL5103
6.0M	LL195	CAL5098



### FME Female to "N" Male

Length	Coax	Code
1.5M	RG58CU	CAL5061
3.0M	RG58CU	CAL5003
5.0M	RG58CU	CAL5004
10M	RG58CU	CAL5005
15M	RG58CU	CAL5006
20M	RG58CU	CAL5007
1.5M	LL195	CAL5062
3.0M	LL195	CAL5008
5.0M	LL195	CAL5009
10M	LL195	CAL5010
15M	LL195	CAL5011
20M	LL195	CAL5012



### LL400 LOW-LOSS 10mm

Description	Length	Code
N-Male to N-Male	5.0M	CAL5070
N-Male to N-Male	10M	CAL5071
N-Male to N-Male	15M	CAL5072
N-Male to N-Male	20M	CAL5073
N-Male to N-Male	25M	CAL5074
N-Male to N-Male	30M	CAL5075
N-Male to SMA-Male	5.0M	CAL5080
N-Male to SMA-Male	10M	CAL5081
N-Male to SMA-Male	15M	CAL5082
N-Male to SMA-Male	20M	CAL5083
N-Male to SMA-Male	25M	CAL5084
N-Male to FME-Female	5.0M	CAL5090
N-Male to FME-Female	10M	CAL5091
N-Male to FME-Female	15M	CAL5092
N-Male to FME-Female	20M	CAL5093
N-Male to FME-Female	25M	CAL5094
N-Male to FME-Female	30M	CAL5095

Look!  
LL400  
Low-Loss  
Cable







## RF Connectors & Adaptors

### SMA REVERSE CRIMP

#### SMA-Reverse RG58

Type	Code
Male	SMA158

#### SMA-Reverse RG58

Type	Code
Female	SMF158



### FME CRIMP

#### FME Male RG58

Description	Code
FME Male RG58	FME158



#### FME Female RG58

Description	Code
FME Female RG58	FME100



### "N" CRIMP

#### LL195 RG58u or RG213

Type	Code
Male	N120
Female	N127



### "N" CRIMP

#### RG213 (10mmØ)

Type	Code
Male	N112



#### LL400 (10mmØ)

Suit LMR400 Cable

Type	Code
Male	N113



### "N" CRIMP

#### RG213 (10mmØ)

Type	Code
Female	N128



#### LL400 (10mmØ)

Suit LMR400 & RG8 Cable

Type	Code
Female	N129

### "N" PANEL MOUNT

#### REAR CABLE CRIMP

N Female crimp connector to suit RG58CU cable.

Code
N152



### LUCENT MC-CARD PLUG

#### R/A CRIMP RG174

Lucent WiFi Crimp Suits MC Cards, etc. LMR100 RG174 Cable

Code
LPC101



### CRIMPING TOOLS

#### RG58 CRIMP

5mmØ Collar

Code
HT336A



#### RG213 CRIMP

11mmØ Collar

Code
DL801K

### SMA/FME

SMA Plug to FME Socket

Code
AD1103



### SMA/FME

SMA Plug to FME Plug

Code
AD1112



### SMA/N

SMA Socket to "N" Socket

Code
AD1073



### SMA/N

SMA Socket to "N" Plug

Code
AD1071



### SMA/N

SMA Plug to "N" Plug

Code
AD1072



### FME/SMA

FME Female to SMA Female

Code
AD1104



### FME/N

"N" Socket to FME Socket

Code
AD1075



### FME/TNC

FME Female to TNC Female

Code
FME110



FME Male to TNC Male

Code
FME130



### FME/FME

FME Male to Male

Code
FME120



FME Female to Female

Code
AD1111



### FME/MINI-UHF

FME Male to Mini UHF Male

Short Body 23mm

Code
FME150



Long Body 28mm

Code
FME265



### FME/MINI-UHF

FME Female to Mini UHF Female

Code
FME250



### 50Ω COAX CABLE REELS

COAX CABLE (5mm)

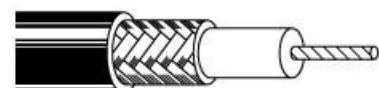
Code
RG58AU
RG58CU

MINI-COAX (2.5mm)

Code
RG174U-50

LOW-LOSS LL400 (10mm)

Code
LL400-50







## □ Patch Cables

### MC LUCENT TO SMA R/P

Plug A MC Lucent Male R/A  
Plug B SMA R/P Female  
Cable RG174U  
Length 0.5M  
Code CAL711



### SMK TS-9 R/A TO SMA

Plug A SMK TS-9 Male R/A  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL817



### SSMB TO SMA

Plug A SSMB Male R/A  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL819



### MC LUCENT TO FME

Plug A MC Lucent Male R/A  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL712



### SMK TS-9 R/A TO FME

Plug A SMK TS-9 Male R/A  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL811



### SSMB R/A TO FME

Plug A SSMB Male R/A  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL805



### MC LUCENT TO SMA

Plug A MC Lucent Male R/A  
Plug B SMA Female  
Cable RG174U  
Length 0.5M  
Code CAL716



### SMK TS-9 TO FME

Plug A SMK TS-9 Male  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL821



### SSMB TO FME

Plug A SSMB Male  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL805



### MMCX R/A TO FME

Plug A MMCX Male R/A  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL807



### SMK TS-9 TO SMA

Plug A SMK TS-9 Male  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL822



### CRC9 TO SMA

Plug A CRC9 Male R/A  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL820



### MMCX TO SMA

Plug A MMCX Male R/A  
Plug B SMA Female  
Length 0.5M  
Cable RG174U  
Code CAL808



### SMB TO SMA

Plug A SMB Female  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL816



### CRC9 TO FME

Plug A CRC9 Male R/A  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL802



### MCX TO SMA R/P

Plug A MCX Male  
Plug B SMA-R/P Female  
Cable RG174U  
Length 0.5M  
Code CAL710



### SMB TO FME

Plug A SMB Female  
Plug B FME Male  
Cable RG316U  
Length 0.5M  
Code CAL815



### TMC TO FME

Plug A TMC Male  
Plug B FME Male  
Length 0.5M  
Cable RG174U  
Code CAL804



### MCX TO SMA

Plug A MCX Male  
Plug B SMA Female  
Cable RG174  
Length 0.2M  
Code CAL714



### MCX TO 'N'

Plug A MCX Male  
Plug B N Female  
Cable RG174U  
Length 0.2M  
Code CAL715



## ANTENNA CONNECTORS

### ANTENNA COUPLERS

### ANTENNA CRADLES

Specific plugs to suit your mobile phone for external antenna connection. To suit your phone see...

[www.cellink.com.au](http://www.cellink.com.au)







## Voice Communications

### ADSL Filters

#### ADSL2+ IN-LINE FILTER

##### ADSL POTS FILTER KIT

Filters ADSL signal from the ADSL line to your analogue phone. New high quality low pass 4 stage filter for cordless phones. RCIT.0004 ETSI/Telstra

Code  
DSL002



#### ADSL2+ IN-LINE FILTER SPLITTER

##### MODEM & PHONE SHARE

Splits the ADSL line into one filtered RJ socket for the phone and one non-filtered RJ socket for the modem. 4 Stage filter. Approved. DECT cordless phones, etc.

Code  
DSL008



#### ADSL2+ SPLITTER FILTER

##### DISTRIBUTION POINT

Ideal for wiring from first point. One filter for the whole house. Can be hard wired or use the modular connections.

Code  
DSL0042+



##### MODE-3

With Alarm Mode3 Connection

Code  
DSL019

#### ADSL FILTER/SPLITTER

##### EXTERNAL RJ11 RJ12

RoHS Compliant IDC Terminations ACA Compliant 4 Stage Filter Minimises Noise Mode-3 Compatible Surge Arrestor

Code  
DSL101



#### VDSL2 CENTRAL FILTER - NETCOMM

Central filter that is installed at the gateway to a property to separate phone and data signal so the network speeds will be maximised. Also suitable for alarm systems. Punch-down wire connections.

Code  
EM1660B



#### VDSL2 IN-LINE FILTER - NETCOMM

In-line filter that is used to filter out phone signal from data signal. Directly plug in with RJ45 and RJ12 sockets. NBN Ready

Code  
EM1650B



#### VDSL2 INDOOR/OUTDOOR FILTER - NETCOMM

Central filter that is installed at the gateway to a property to separate phone and data signal so the network speeds will be maximised. Weatherproof enclosure so it is suitable for outdoor installation.

Code  
EM1670B



### Cables & Adaptors

#### RJ12 TELEPHONE LINE SHARING

##### PRIVACY SWITCH

Allows only one device to use the phone line at a time.

First come First served.

Code  
MPS1



Line 1 always has priority over 2

Code  
MPS2



#### RJ12 TELEPHONE SPLITTERS

##### NO FILTER

Split a phone line connection before or after the ADSL filter.

Code  
TD2406



#### RJ REDUCING ADAPTOR

##### RJ12 TO RJ45

Plastic collar (x10) allows a smaller plug to fit a larger socket Adapts plugs: RJ11(6P4C)/RJ12(6P4C) into socket: RJ45(8P8C) Supplied in a bag of 10

Code  
MOD-RS2



#### 6P4C TO 8P4C ADAPTOR LEAD

##### 2 METRES

RJ12 to RJ45  
6 Pin Male to 8 Pin Male  
4 Pins wired

Code  
TC86



#### RJ11 & RJ45 KIT

Two retractable leads RJ11 and RJ45 & CAT5 Crossover adaptor

Code  
CL140



#### RJ11 & RJ45 ADAPTOR KIT

This compact computer cable kit is designed to universally provide connection solutions. Supplies with 1 metre retractable USB cable with assorted plugs to adapt between ethernet communications.

2x RJ11 plugs (6P4C)  
2x RJ45 plugs (8P8C)  
1x RJ45 crossover adaptor.

Code  
CL1014







## Cables & Adaptors

### OVERSEAS PHONE/MODEM PLUGS

#### TRAVELLERS ADAPTOR KIT

Suit mobile travellers with Laptops and inbuilt modems. 7 adaptors from RJ11/12 to most popular world plugs. Suit more than 60 countries.

##### Code

MA14



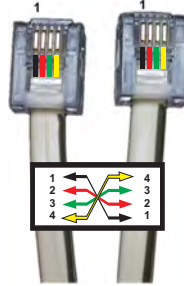
### TELEPHONE & HANDSET CORDS

Male to Male - Wired Pin 1 to Pin 1

Length	Pins	Colour	Type	Code
~1M	4P4C	Beige	Curly	TC40
~2M	4P4C	Beige	Curly	TC42
~2M	4P4C	Black	Curly	TC42BK

Length	Pins	Colour	Type	Code
150mm	6P2C	Beige	Ribbon	TC10
2M	6P4C	Black	Ribbon	TC80
2M	6P4C	Beige	Ribbon	TC44
3M	6P4C	Black	Ribbon	TC82
3M	6P4C	Beige	Ribbon	TC72
4M	6P4C	Beige	Ribbon	TC46
5M	6P4C	Beige	Ribbon	TC74
5M	6P4C	Black	Ribbon	TC84
10M	6P4C	Beige	Ribbon	TC76
10M	6P4C	Black	Ribbon	TC87
1.8M	6P6C	Beige	Ribbon	TC48
3.6M	6P6C	Beige	Ribbon	TC51

Length	Pins	Colour	Type	Code
1.8M	8P8C	Beige	Ribbon	TC52
3.6M	8P8C	Beige	Ribbon	TC54
10M	8P8C	Beige	Ribbon	TC55



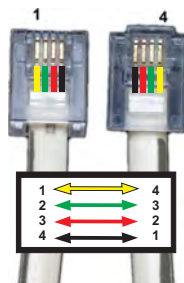
### COMMUNICATION INTERCONNECTS

Male to Male - Pin 1 to Pin #

Length	Pins	Colour	Type	Code
1.8M	4P4C	Beige	Curly	TC12
3.6M	4P4C	Beige	Curly	TC14

Length	Pins	Colour	Type	Code
2.0M	6P4C	Beige	Ribbon	TC20
4.0M	6P4C	Beige	Ribbon	TC22
1.8M	6P6C	Beige	Ribbon	TC26
3.6M	6P6C	Beige	Ribbon	TC28

Length	Pins	Colour	Type	Code
1.8M	8P8C	Beige	Ribbon	TC32
3.6M	8P8C	Beige	Ribbon	TC34



## Modular Cable & Plugs

### MODULAR CRIMP PLUGS

RJ10 RJ11 RJ12 RJ45 RJ50

Supplied 10 pieces per bag.  
Suits FLAT or Round Cable  
Multi or single strand

10 PIECES  
PER BAG

Type	Pins	Code
RJ10	*4P4C	MOD4M
RJ11	*6P4C	MOD4
RJ12	6P6C	MOD6
RJ45	8P8C	MOD8
RJ50	10P10C	MOD10

CAT5e/6 Crimp Plugs, next few pages...



### FLAT MODULAR CABLE

Length 100 metres. Multi-Strand  
copper Cream jacket PVC

Core	Code
4	FMC4
6	FMC6
8	FMC8



## Networking Cables & Leads

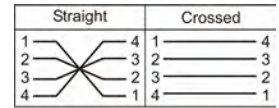
### CAT5/6 Adaptors

### MODULAR GENDER CHANGERS

#### PIN 1 TO PIN 1

Daisy-Chain leads together

Type	Code
4 PIN	MOD48
6 PIN	MOD49
8 PIN	MOD50



#### PIN 1 TO PIN 4/6/8

Type	Code
4 PIN	MOD58
6 PIN	MOD59
8 PIN	MOD60

### RJ45 CABLE JOINER

#### INLINE COUPLER

Connects two cables inline for  
Extension of ethernet cables  
CAT5e/6

Speed	Code
CAT5e	MOD50
CAT6	MOD51



### RJ45 SPLITTER

#### 8P8C TO 8P8C X2

Direct split all 8 pins  
wired to all. RJ45  
Plug to 2x Sockets.  
CAT5e/6 No Filter

Code
CA104



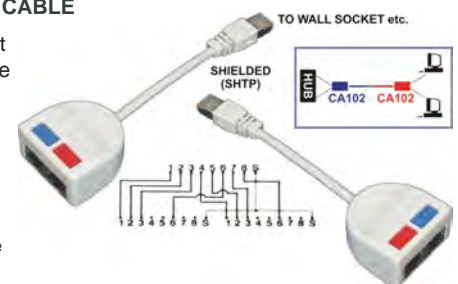
### CAT-5 PORT DOUBLER DONGLE

#### 2 SERVICES on ONE CABLE

Combines two ethernet  
channels into one cable  
then divides back into  
two at the other end.  
(Not PoE Compatible.)

Code
CA102

Two units required for one  
typical application.



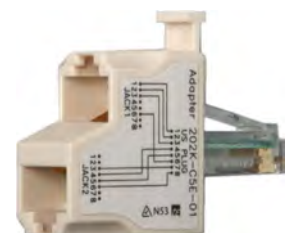
### CAT-5 PORT DOUBLER

#### RJ45 PLUG TO RJ45 SOCKETS X2

Different pin configurations  
for different applications.

Description	Code
Data + Voice	CA105
Data + Data	CA106
Voice + Voice	CA107

Two units required for operation







## CAT5 & CAT6

### CAT5/6 Cables

#### CAT6a 10GB SFTP/SFTP PATCH CABLES

##### 10GBase-T SCREENED FULLY SHIELDED TWISTED PAIR

Our new range of super fast CAT6a SFTP (Screened Fully Shielded Twisted-Pair) cables can transfer data at the extreme speed of up to 10Gbps. They offer an impressive user experience whether it is for file transfer or audio and video around the home or office. They include shielded RJ45 Male to Male connections with snagless strain relief boots. The durable and flexible blue jacket protects the cable from physical wear, ACMA approval N18767. SFTP type cables can minimise the electromagnetic interference going into other neighboring cables, thus reducing the amount of noise in these and other cables to improve the entire network performance. This cable is suitable to use for the backbone of a network at home or in a business environment when fast data transfer rate is an important consideration. The Cat6a cable is backward compatible with the cat5e and cat6 standards.



Length	Blue	Black	Green	Grey	Orange	Purple	Red	White	Yellow
0.5M	CL371BU	CL371BK	CL371GN	CL371GY	CL371OR	CL371PU	CL371RD	CL371WH	CL371YL
1.0M	CL373BU	CL373BK	CL373GN	CL373GY	CL373OR	CL373PU	CL373RD	CL373WH	CL373YL
1.5M	CL374BU		CL374GN	CL374GY				CL374WH	CL374YL
2.0M	CL375BU	CL375BK	CL375GN	CL375GY	CL375OR	CL375PU	CL375RD	CL375WH	CL375YL
3.0M	CL376BU	CL376BK	CL376GN	CL376GY	CL376OR	CL376PU	CL376RD	CL376WH	CL376YL
5.0M	CL377BU	CL377BK	CL377GN	CL377GY	CL377OR	CL377PU	CL377RD	CL377WH	CL377YL
10M	CL379BU	CL379BK	CL379GN	CL379GY	CL379OR	CL379PU	CL379RD	CL379WH	CL379YL
15M	CL380BU								
20M	CL381BU								

#### CAT-6 INTERCONNECTS

##### FULL COPPER CONSTRUCTION

Category 6 specification Gigabit Ethernet Network provides extended performance 550MHz bandwidth 1/10 Gigabit. Also used for extra-long runs while maintaining high speed. Tested and Austel Approved. 30V 1.5A max. rated cable with "Snagless" RJ45 molded Plugs. Moulded strain relief. 50µ Gold plated contacts.



Length	Blue	Black	Green	Grey	Orange	Pink	Purple	Red	White	Yellow
0.25M	CL149BU	CL149BK	CL149GN	CL149GY	CL149OR	CL149PK	CL149PU	CL149RD	CL149WH	CL149YL
0.5M	CL150BU	CL150BK	CL150GN	CL150GY	CL150OR	CL150PK	CL150PU	CL150RD	CL150WH	CL150YL
0.75M	CL1507BU	CL1507BK	CL1507GN	CL1507GY	CL1507OR	CL1507PK	CL1507PU	CL1507RD	CL1507WH	CL1507YL
1.0M	CL151BU	CL151BK	CL151GN	CL151GY	CL151OR	CL151PK	CL151PU	CL151RD	CL151WH	CL151YL
1.5M	CL1515BU	CL1515BK	CL1515GN	CL1515GY	CL1515OR	CL1515PK	CL1515PU	CL1515RD	CL1515WH	CL1515YL
2.0M	CL152BU	CL152BK	CL152GN	CL152GY	CL152OR	CL152PK	CL152PU	CL152RD	CL152WH	CL152YL
2.5M	CL1525BU	CL1525BK	CL1525GN	CL1525GY	CL1525OR	CL1525PK	CL1525PU	CL1525RD	CL1525WH	CL1525YL
3.0M	CL153BU	CL153BK	CL153GN	CL153GY	CL153OR	CL153PK	CL153PU	CL153RD	CL153WH	CL153YL
5.0M	CL154BU	CL154BK	CL154GN	CL154GY	CL154OR	CL154PK	CL154PU	CL154RD	CL154WH	CL154YL
7.5M	CL1547BU									
10M	CL155BU									
15M	CL156BU									
20M	CL157BU									
25M	CL158BU									
30M	CL159BU									
40M	CL160BU									
50M	CL161BU									

#### CAT6 PATCH CABLES INDIVIDUALLY TESTED

##### INDIVIDUALLY FLUKE DTX-1800 TESTED WITH PRINT OUT

Category 6 specification Gigabit Ethernet Network provides extended performance 250MHz bandwidth Gigabit. Also used for extra-long runs while maintaining high speed. Tested and Austel Approved TIA/EIA-568-B.1-2001 30V 1.5A max. rated cable "Snagless" RJ45 Plugs Moulded strain relief 50µ Gold plated contacts. Each cable has been individually tested by a Fluke DTX-1800 Cable Analyser with a print-out of the results supplied so that you are assured that each lead does indeed meet your customers required specification.

Length	Colour	Code
0.25M	Blue	CL349BU
0.5M	Blue	CL350BU
0.75M	Blue	CL3507BU
1.0M	Blue	CL351BU
1.5M	Blue	CL3515BU
2.0M	Blue	CL352BU
3.0M	Blue	CL353BU
5.0M	Blue	CL354BU
7.5M	Blue	CL3547BU
10.0M	Blue	CL355BU

##### SUPPLIED WITH CERTIFICATION







## CAT6-SFTP PATCH CABLES

Up to 10Gbps. RJ45 Male to Male. Shielded Plugs 50µ Gold Plated contacts. With plastic separator spine. Double shielded around outer with Aluminium braid and foil. With nylon strength pull cord. Durable flexible blue jacket. Very wide bandwidth ethernet.

Length	Colour	Code
0.5M	Blue	CL190BU
1.0M	Blue	CL191BU
2.0M	Blue	CL192BU
3.0M	Blue	CL193BU
5.0M	Blue	CL194BU
7.5M	Blue	CL1947BU
10M	Blue	CL195BU
15M	Blue	CL196BU
20M	Blue	CL197BU
25M	Blue	CL198BU
30M	Blue	CL199BU
40M	Blue	CL201BU
50M	Blue	CL203BU

### SHIELDED PLUGS



### SHIELDED CABLE



## CAT5-SFTP PATCH CABLES

10/100/1000Mbps. RJ45 Male to Male. Shielded Plugs 50µ Gold Plated contacts. With plastic separator spine. Double shielded around outer with Aluminium braid and foil. With nylon strength pull cord. Durable flexible blue jacket. Very wide bandwidth ethernet.

Length	Colour	Code
0.5M	Blue	CL180BU
1.0M	Blue	CL181BU
2.0M	Blue	CL182BU
3.0M	Blue	CL183BU
5.0M	Blue	CL184BU

### SHIELDED PLUGS



### SHIELDED CABLE

## CAT5 RETRACTABLE

### 8P8C CABLE 1 METRE

Convenient portable solution for connecting Laptops and other peripherals to a network.

Code  
CL141



## CAT5e/6 CROSSOVER PATCH CABLES

Connect two computers together without the need for a HUB.

Length	Type	Code
2M	Cat5e	CL135
5M	Cat5e	CL137
10M	Cat5e	CL139
2M	Cat6	CL170
5M	Cat6	CL171
20M	Cat6	CL173
30M	Cat6	CL174



## CAT5e ECONOMY RANGE PATCH CABLES

### CCA SPECIFICATION

Gold plated plug contacts. Twisted pair. Blue jacket. Excellent pricing !!

Length	Code
0.5M	DDC115BU
1.0M	DDC117BU
2.0M	DDC119BU
3.0M	DDC121BU
5.0M	DDC123BU



Image may vary from stock.

## CAT-5e INTERCONNECTS

### FULL COPPER CONSTRUCTION

Category 5e specification. Tested and Austel Approved. TIA/10/100/1000BaseT (1Gbps) 30V 1.5A max. rated cable with full copper construction. "Snagless" RJ45 Plugs. Moulded strain relief. 50µ Gold plated contacts. Hang Bag Packaged.



Length	Blue	Black	Green	Grey	Orange	Pink	Purple	Red	White	Yellow
0.25M	CL114BU	CL114BK	CL114GN	CL114GY	CL114OR	CL114PK	CL114PU	CL114RD	CL114WH	CL114YL
0.5M	CL115BU	CL115BK	CL115GN	CL115GY	CL115OR	CL115PK	CL115PU	CL115RD	CL115WH	CL115YL
0.75M	CL116BU	CL116BK	CL116GN	CL116GY	CL116OR	CL116PK	CL116PU	CL116RD	CL116WH	CL116YL
1.0M	CL117BU	CL117BK	CL117GN	CL117GY	CL117OR	CL117PK	CL117PU	CL117RD	CL117WH	CL117YL
1.5M	CL118BU	CL118BK	CL118GN	CL118GY	CL118OR	CL118PK	CL118PU	CL118RD	CL118WH	CL118YL
2.0M	CL119BU	CL119BK	CL119GN	CL119GY	CL119OR	CL119PK	CL119PU	CL119RD	CL119WH	CL119YL
2.5M	CL120BU	CL120BK	CL120GN	CL120GY	CL120OR	CL120PK	CL120PU	CL120RD	CL120WH	CL120YL
3.0M	CL121BU	CL121BK	CL121GN	CL121GY	CL121OR	CL121PK	CL121PU	CL121RD	CL121WH	CL121YL
5.0M	CL123BU	CL123BK	CL123GN	CL123GY	CL123OR	CL123PK	CL123PU	CL123RD	CL123WH	CL123YL
7.5M	CL124BU									
10M	CL125BU									
15M	CL127BU									
20M	CL129BU									
25M	CL130BU									
30M	CL131BU									
40M	CL132BU									
50M	CL133BU									





## Cables

### CAT-5e SOLID CORE

#### Category-5e 8x Single-Strand Full Copper Conductors

1GBps/100M Max. Twisted pairs (4x2) Copper w/ Colour coded insulation  
Fully Austel Approved for Networking & Communications Electric Blue outer  
Flame Retardant Polyethylene jacket. Full copper conductors.

#### SOLID CORE 100 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

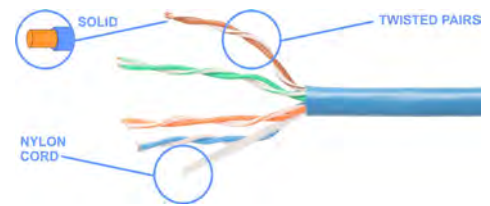
Length	Core	Colour	Code
100M	Solid	Blue	CNC5100BU



#### SOLID CORE 305 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
305M	Solid	Blue	CCU5305BU
305M	Solid	Yellow	CCU5305YL
305M	Solid	Red	CCU5305RD
305M	Solid	Green	CCU5305GN
305M	Solid	Grey	CCU5305GY
305M	Solid	Black	CCU5305BK



### CAT-5e MULTI-STRAND

#### Category-5e 8x Multi-Strand Full Copper Conductors

1GBps/100M Max. Twisted pairs (4x2) Copper w/ Colour coded insulation  
Fully Austel Approved for Networking & Communications Electric Blue outer  
Flame Retardant Polyethylene jacket. Full copper conductors.

#### MULTI-STRAND 100 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

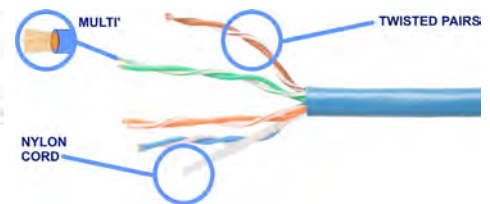
Length	Core	Colour	Code
100M	Multi	Blue	CNC5101BU
100M	Multi	Yellow	CNC5101YL
100M	Multi	Green	CNC5101GN
100M	Multi	Pink	CNC5101PK



#### MULTI-STRAND 305 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
305M	Multi	Blue	CNC5306BU
305M	Multi	Yellow	CNC5306YL



### CAT-6 SOLID CORE

#### Category-6 8x Single-Strand Full Copper Conductors

10GBps/250M max. Twisted pairs (4x2) Copper w/ Colour coded insulation  
Fully Austel Approved. Low cross-talk, low noise, Class-E Electric Blue outer  
Flame Retardant Polyethylene jacket. Full copper conductors.

#### SOLID CORE 100 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

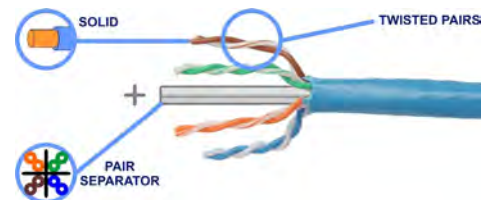
Length	Core	Colour	Code
100M	Solid	Blue	CNC6100BU
100M	Solid	Grey	CNC6100GY
100M	Solid	Green	CNC6100GN



#### SOLID CORE 305 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
305M	Solid	Blue	CCU6305BU
305M	Solid	Yellow	CCU6305YL
305M	Solid	Grey	CCU6305GY
305M	Solid	Red	CCU6305RD
305M	Solid	Green	CCU6305GN
305M	Solid	Black	CCU6305BK



### CAT-6 MULTI-STRAND

#### Category-6 8x Multi-Strand Full Copper Conductors

10GBps/250M max. Twisted pairs (4x2) Copper w/ Colour coded insulation  
Fully Austel Approved. Low cross-talk, low noise, Class-E Electric Blue outer  
Flame Retardant Polyethylene jacket. Full copper conductors.

#### MULTI-STRAND 100 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

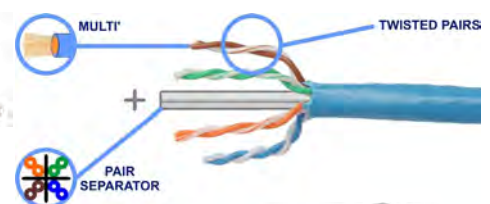
Length	Core	Colour	Code
100M	Multi	Blue	CNC6101BU



#### MULTI-STRAND 305 Metre

Pull-Box Reverse-Metre-Marked 24AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified

Length	Core	Colour	Code
305M	Multi	Blue	CNC6306BU
305M	Multi	Red	CNC6306RD
305M	Multi	Green	CNC6306GN



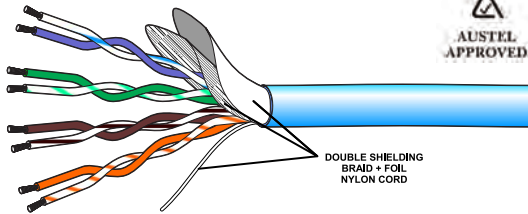




## CAT5e MULTI-STRAND SFTP 26AWG

Pull-Box Reverse-Metre-Marked  
26AWG ISO/IEC 11801 and  
TIA/EIA 568 Verified

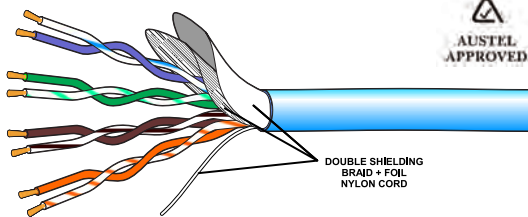
Length	Core	Colour	Code
100M	Multi	Blue	CNC5103
305M	Multi	Blue	CNC5308



## CAT5e SOLID-STRAND SFTP 24AWG

Pull-Box Reverse-Metre-Marked  
24AWG ISO/IEC 11801 and  
TIA/EIA 568 Verified

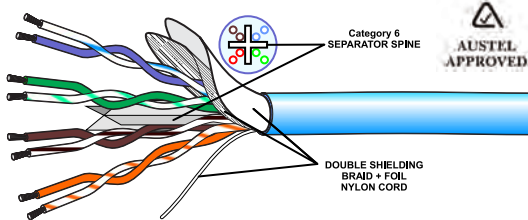
Length	Core	Colour	Code
100M	Solid	Blue	CNC5102
305M	Solid	Blue	CNC5307



## CAT6 MULTI-STRAND SFTP 26AWG

Pull-Box Reverse-Metre-Marked  
26AWG ISO/IEC 11801 and  
TIA/EIA 568 Verified

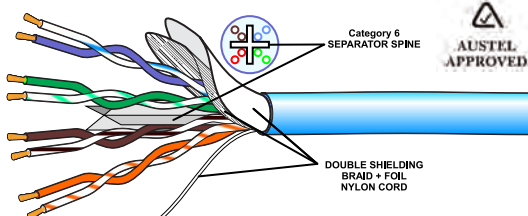
Length	Core	Colour	Code
100M	Multi	Blue	CNC6103
305M	Multi	Blue	CNC6308



## CAT6 SOLID-STRAND SFTP 24AWG

Solid core copper. Pull-Box 26AWG  
ISO/IEC 11801 and TIA/EIA 568 Verified  
Double shielded Aluminium Mylar Foil +  
Braided wire + Nylon pull cord.

Length	Core	Colour	Code
100M	Solid	Blue	CNC6102
305M	Solid	Blue	CNC6307



## CAT5e/CAT6 SOLID CORE IN AN EASY-PULL BOX

### PREMIUM GRADE FULL COPPER - TANGLE FREE DISPENSER

Reel on a base for easy pull of  
cable to reduce twist and tangles.  
Supplied in a 1000 ft (305M) box.  
Full copper conductors. 24AWG  
ISO/IEC 11801 and TIA/EIA 568  
Verified. Reverse-Metre-Marked.

Length	Type	Code
305M	Cat5e	CNC5305BU
305M	Cat6	CNC6305BU



REEL STYLE MAY VARY



## CAT5/6 UNDERGROUND OUTDOOR

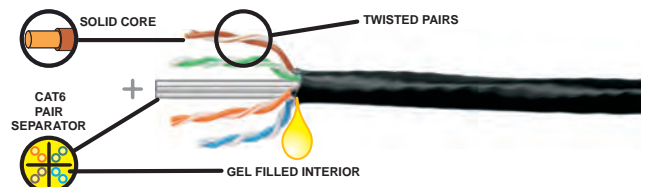
### GEL FILLED SOLID CORE

Bare copper solid core 23AWG individual  
HDPE insulated set in a gel filled heavy duty  
UV resistant black LDPE outer jacket 7.0mmØ  
(0.7mm thick). Suitable for long life heavy duty  
applications where a moisture resistant data  
cable is required. Rated temp' -20°C to 60°C.  
Reverse metre marked. TIA/EIA-568-B.2-1



**DROP  
CABLE**

Length	Type	Colour	Code
305M	CAT6	Black	CNC6309BK
305M	CAT5e	Black	CNC5309BK

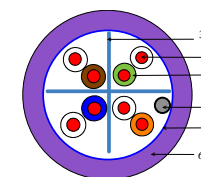


## CAT6A SOLID-STRAND FUTP CABLE 500M

### PREMIUM CAT6A FULL COPPER CONDUCTORS

10Gbps/100M max. Consists of four unshielded twisted pairs (4x2)  
encased in an overall foil shield. Fully Austel Approved. Low cross-  
talk, low noise, with outer flame retardant LSZH polyethylene purple  
jacket. Full copper conductors. Packaged in a 500M reel.

Length	Type	Code
500M	CAT6A	CNC6500PU



1. Conductor: Solid bare copper AWG23
2. Insulation: Polyethylene
3. Central cross: Transparent or white thermoplastic cross
4. Drain wire: Solid tinned copper
5. General shielding: Aluminium Polyester tape; coverage: 100%
6. Outer jacket: LSZH - Purple RAL 4001





## □ CAT5/6 Connectors

### CAT5e CRIMP PLUGS

#### UNIVERSAL 8P8C

Flat and Round Cable entry rear opening  
Suit Multi-Core and Single-Core cable.  
CAT5e specification Order 1 to receive 10

Type	Gold	QTY	Code
RJ45	50µ	10	MOD8



### CAT5e CRIMP PLUGS

#### PROFESSIONAL 8P8C

Flat and Round Cable entry rear opening  
Select wire type:

##### MULTI-CORE CABLE

Type	Gold	QTY	Code
CAT5e	50µ	10	MOD81

##### SINGLE CORE CABLE

Type	Gold	QTY	Code
CAT5e	50µ	10	MOD82



### CAT5e SHIELDED

Single Piece w/ shield Crimp connectors  
Suits Shielded SFTP Type Cables.  
Order one to receive a bag of TEN pieces

#### SFTP Solid-Strand

Type	Gold	QTY	Code
CAT5e	50µ	10	MOD900



#### SFTP CAT5e Multi-Strand

Type	Gold	QTY	Code
CAT5e	50µ	10	MOD902

### CAT5e SHIELDED TWO-PIECE

Two Piece crimp plus shield With separate  
Cable insert Suit shielded SFTP Cable

#### SFTP Solid-Strand

Type	Gold	QTY	Code
CAT5e	50µ	10	MOD910



#### SFTP Multi-Strand

Type	Gold	QTY	Code
CAT5e	50µ	10	MOD912



### MOD8 / RJ45 COLOURED BOOTS

Running lots of network cables? Sticky labels  
messy or missing? Colour code them for easy id.  
For cable constructing only.  
Cable entry = 6.5mm. Plug Entry = 12x7.5mm.

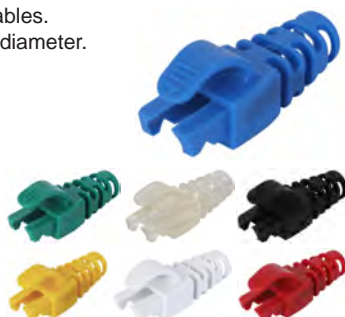
Colour	QTY	Code
Black	1	MOD8BK
Blue	1	MOD8BB
Red	1	MOD8BR
Yellow	1	MOD8BY



### PVC BOOT FOR CAT5E/6 ROUND CABLE 6.0MMØ

Rubber boot for CAT5e/6 RJ45 cables.  
Suitable for cables with 6mm OD diameter.  
Available in 7 different colours.  
10 pieces per bag.

Colour	QTY	Code
Black	10	RJB101BK
Blue	10	RJB101BU
Clear	10	RJB101CL
Green	10	RJB101GN
Red	10	RJB101RD
White	10	RJB101WH
Yellow	10	RJB101YL



### CAT6 CRIMP PLUGS

#### UNIVERSAL TYPE

Suit Multi-Core and Single-Core wiring  
with CAT6 Cable only.

#### BAG OF 10pcs

Type	Gold	QTY	Code
CAT6	50µ	10	MOD86

#### BAG OF 100pcs

Type	Gold	QTY	Code
CAT6	50µ	100	MOD8600



### CAT6 CRIMP PLUGS

#### TWO PIECE TYPE ASSEMBLY

Cable is assembled in the insert then pushed  
into the plug for a secure reliable contact RJ45

#### BAG OF 10pcs

Type	Gold	QTY	Code
CAT6	50µ	10	MOD861

#### BAG OF 100pcs

Type	Gold	QTY	Code
CAT6	50µ	100	MOD8610



### CAT6 SHIELDED

Single Piece w/ shield Crimp connectors  
Suits Shielded SFTP Type Cables.  
Order one to receive a bag of TEN pieces

#### SFTP Solid-Strand

Type	Gold	QTY	Code
CAT6	50µ	10	MOD904



#### SFTP Multi-Strand

Type	Gold	QTY	Code
CAT6	50µ	10	MOD906

### CAT6 SHIELDED TWO-PIECE

Two Piece crimp plus shield With separate  
Cable insert Suit shielded SFTP Cable

#### SFTP Solid-Strand

Type	Gold	QTY	Code
CAT6	50µ	10	MOD914



#### SFTP Multi-Strand

Type	Gold	QTY	Code
CAT6	50µ	10	MOD916



### CAT5E/6 PLUG - SOLDERLESS

#### 8P8C

Strip the outer jacket and use  
a Punch-down Tool for cable  
insertion or simply close the  
plugs' casing will push the  
cable into contact.

Type	Gold	QTY	Code
CAT6	50µ	each	MOD87



### PVC BOOT FOR CAT5E/6 ROUND CABLE 6.5MMØ

Rubber boot for CAT5e/6 RJ45 cables.  
Suitable for cables with 6.5mm OD diameter.  
Available in 7 different colours.  
10 pieces per bag.

Colour	QTY	Code
Black	10	RJB100BK
Blue	10	RJB100BU
Clear	10	RJB100CL
Green	10	RJB100GN
Red	10	RJB100RD
White	10	RJB100WH
Yellow	10	RJB100YL







## CAT5e CRIMP PLUG

8P8C UTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT5e 3μ		100	MOD9200



## CAT5e CRIMP PLUG

8P8C UTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT5e 30μ		10	MOD932
CAT5e 30μ		100	MOD9320



## CAT6 CRIMP PLUG

8P8C UTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6 30μ		10	MOD930
CAT6 30μ		100	MOD9300



## CAT6 CRIMP PLUG

8P8C UTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6 3μ		100	MOD9220



## CAT6 CRIMP PLUG

8P8C UTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6 30μ		10	MOD931
CAT6 30μ		100	MOD9310



## CAT6A CRIMP PLUG

8P8C UTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6A 30μ		10	MOD934



## CAT6 CRIMP PLUG SHIELDED

8P8C FTP or SFTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6 3μ		100	MOD9210



## CAT6 CRIMP PLUG SHIELDED

8P8C FTP or SFTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6 30μ		10	MOD933



## CAT6A CRIMP PLUG SHIELDED

8P8C FTP or SFTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6A 30μ		10	MOD935



## CAT6A CRIMP PLUG SHIELDED

8P8C FTP or SFTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT6A 30μ		10	MOD936



## CAT7 CRIMP PLUG SHIELDED

8P8C FTP or SFTP RJ45 3 blade crimp plugs.  
To suit stranded and solid core cables.

Type	Gold	QTY	Code
CAT7 30μ		10	MOD937



## RJ50 CRIMP 10P10C

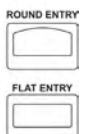
**10 PIN VERSION**  
Solid core cable or Multi-core cable  
Two types for jacket

### ROUND CABLE

Type	Gold	QTY	Code
RJ50 50μ		10	MOD10

### FLAT CABLE

Type	Gold	QTY	Code
RJ50 50μ		10	MOD11







# Data & Computer

## □ CAT5/6 Weatherproof

### RJ45 JACK 180° SCREW

#### RJ45 IN AND OUT

Panel Mount 20mm hole.  
Compatible with the Screw plug.  
Rear is a RJ45 Jack. All pins gold plated.  
Weather proof IP67. CAT6 compatible.

Suits	Code
33000000-03	33000000-01



### RJ45 JACK 180° BAYONET

#### RJ45 IN AND OUT

Panel Mount 20mm hole compatible with the 33 series Bayonet plug. Rear is a RJ45 Jack. Weather proof IP67. Up to CAT6.

Description	Code
Suits 33000000-06	33000000-04
Dust Cap Only	806-00017-00



### RJ45 JACK METAL 180° SCREW

#### RJ45 IN AND OUT

Panel Mount 20mm compatible with 33 series screw plug. Rear is a RJ45 Jack. Weather proof IP67. Quality All-Metal construction. Up to CAT6.

Suits	Code
33000000-03	33000000-12



### RJ45 JACK 90° BAYONET

#### REAR RJ45 IS ANGLED

Panel Mount 20mm hole compatible with the 33 series Bayonet plug. Rear is a RJ45 Jack. Weather proof IP67. Up to CAT6.

Description	Code
Suits 33000000-06	33000000-05
Dust Cap Only	806-00017-00



### RJ45 JACK 90° SCREW

#### REAR RJ45 IS ANGLED

Panel Mount 20mm hole.  
Compatible with the Screw plug.  
Rear is a RJ45 Jack. All pins gold plated.  
Weather proof IP67. CAT6 compatible.

Suits	Code
33000000-03	33000000-02



### RJ45 PLUG JACKET BAYONET

#### FITS OVER RJ45 & 24AWG

Jacket plug that fits over a standard RJ45 CAT5e/6 type plug and lead up to 6.5mm Diameter. Compatible with 33 series bayonet type Jacks. Weather proof IP67.

Code
33000000-06



### RJ45 JACK METAL 90° SCREW

#### REAR RJ45 JACK IS ANGLED

Panel Mount 20mm compatible with 33 series screw plug. Rear is a RJ45 Jack. Weather proof IP67. Quality All-Metal construction. Up to CAT6.

Suits	Code
33000000-03	33000000-15



### RJ45 PLUG JACKET SCREW

#### FITS OVER RJ45 & 24AWG

Jacket plug that fits over a standard RJ45 CAT5e/6 type plug and lead up to 6.5mm Diameter. Compatible with 33 series screw type Jacks. Weather proof IP67.

Code
33000000-03



## CHOGORI WEATHERPROOF INTERCONNECTS

### PROFESSIONAL GRADE PLUGS AND SOCKETS

See Section 02  
Plugs & Connectors

**CHOGORI®**  
Waterproof Connectors



## □ CAT5/6 Connectors

### “ETHERCON” XLR PLUG FOR CAT5

#### ADAPTS EXISTING CAT-5 LEAD

Requires a Cat5 type RJ45 pre-made ethernet lead assembly, Converts to a IP54 protected plug.

Colour	Code
Silver	NE8MC
Black	NE8MC-B



Actually Supplied Empty.  
Requires the RJ45 Cable

### “ETHERCON” XLR SOCKET FOR RJ45

#### RJ45 SOCKET TO PUSH-DOWN

Accepts the NE8MC Plug.  
Rear terminates to punch-down terminals for Cat5.

Code
NE8FDV-YK



### “ETHERCON” XLR SOCKET FOR RJ45

#### RJ45 TR RJ45 REAR SOCKET

Accepts the NE8MC Plug.  
Rear outputs to RJ45 socket for Cat5.

Colour	Code
Silver	NE8FDP
Black	NE8FDP-B







## CAT5/6 Wall Outlets

### WALL MOUNT PATCH PANEL - 12x UTP PORTS

#### PATCH PANEL WITH SNAP-IN BRACKET

The patch panel includes a snap-in wall bracket. Easy to install. It has 12x RJ45 sockets at the front, and 110 type Krone compatible punch down sockets at the rear. Compatible with T568A and T568B wiring.



Type	Ports	Code
CAT5e	12x	CAT5R110
CAT6	12x	CAT6R217

### WALL MOUNT PATCH PANEL 45° - 12x UTP PORTS

#### PATCH PANEL WITH SNAP-IN BRACKET

The patch panel includes a snap-in wall bracket. Easy to install. It has 12x RJ45 sockets tilted at 45 degree at the front, and 110 type Krone compatible punch down sockets at the rear. Compatible with T568A and T568B wiring.



Type	Ports	Code
CAT5e	12x	CAT5R111
CAT6	12x	CAT6R218

### PATCH PANEL WALL MOUNT

Snap-In Bracket for rear access Above wall mount Front 12x RJ45 Rear punch-down 110 Tool type Krone® compatible.

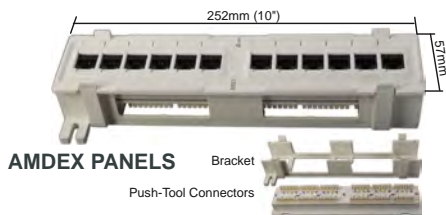
#### CAT6 x12

Code
DA623



#### CAT5e x12

Code
DA201

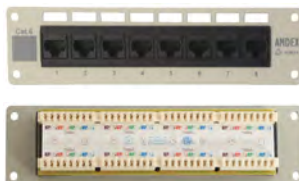


### 8 PORT CAT6 FLUSH MOUNT PATCH PANEL AMDEX

8P8C CAT-6 flush mount patch panel. Fireproof front plate. Panel is made with SPCC metal. With 8x 50 micro inches gold plated jacks. Size: 185x50x27mm Caged nuts included



Ports	Code
8x	DA801



### SURFACE MOUNT BOXES

#### 8 Pin

Pins	Type	Code
8	IDC	MOD68-IDC
8	Screw	MOD68

#### 8 Pin MODE-3

With shorting bar.

Pins	Type	Code
8	Screw	MOD83

#### 4 Pin / 6 Pin

Pins	Type	Code
4/6	Screw	MOD66



### CAT-5e SURFACE MOUNT X1

Totally professional unit tested to above Category 5 specifications. With snap-in ID markers & label windows. White. IDC connectors. 8P8C.



Type	Code
Single	CAT5-SM1
Double	CAT5-SM2

### CAT5 SURFACE MOUNT BOXES

With labels, etc. Suit professional installers with quick IDC termination. (Suit "Krone" Type)

Outlet	Code
X6	CAT5-SM6
X12	CAT5-SM12



### CAT5 SURFACE MOUNT BOX - ANGLED

Surface box 2 ports, 45 degree UTP CAT5e or CAT6 RJ45 PCB jack Mounting tape included.

Types	Code
Cat5e	LY-SB12-A
Cat6	LY-SB12-B



### CAT6 UNSHIELDED DUAL SURFACE MOUNT

RJ45 8P8C UTP dual port surface mounted box. With IDC punch type connector, 2x RJ45 port, snap-in ID slot windows. Mounting tap included. Size: 62x60x27mm

Code
LY-SB38



### CAT5E UNSHIELDED SURFACE MOUNT

RJ45 8P8C UTP single port surface mounted box. With IDC punch type connector, 1x RJ45 port, snap-in ID slot windows. Mounting tap included. Size: 66x49x27mm

Code
LY-SB37







## □ CAT5/6 Keystone

### CAT6 KEYSTONE 180° CSM SERIES

Punch-down wire connections rear terminals.

Code  
CSM152



### CAT6 KEYSTONE JACK DUAL IDC TYPE

Punch tool insert 8P8C UTP CAT6 RJ45 compliant.

Code  
KJ6-14



### CAT6 FSTP RJ45 KEYSTONE JACK DUAL IDC TYPE

STP Cat6 keystone jack with shielding 180 Degree Dual IDC type

Code  
KJ6-28



### CAT6 KEYSTONE JACK IN-LINE COUPLER

Connects two cables inline for extension. Compatible with UTP CAT6 cables.

Code  
KJ6-20



### CAT6 KEYSTONE JACK TOOL-LESS TYPE 90°

UTP Cat6 keystone jack, 8P8C

Code  
KJ6-18



### CAT6 FSTP RJ45 KEYSTONE JACK 110 TYPE

FSTP Cat6 keystone jack with shielding 90 Degree 110 IDC type

Code  
KJ6-24



### CAT6 RJ45 KEYSTONE JACK TOOL-LESS TYPE

UTP Cat6 keystone jack, 8P8C Simple turn and lock feature for simple installation

Code  
KJ6-22



### CAT6A KEYSTONE JACK IN-LINE COUPLER

Connects two cables inline for extension of RJ45 ethernet cables Compatible with F/STP CAT6A cable.

Code  
KJ6-12



### CAT6 KEYSTONE CABLE-HOLD CSM SERIES

With IDC wire secure cap system and cable protection back.

Colour	Code
White	CSM150
Black	CSM153



### CAT6 KEYSTONE JACKS CSM SERIES

Three colours available. 3x Labelled dust covers ea.

Colour	Code
White	CSM102
Red	CSM104
Yellow	CSM106



### KEYSTONE JACKS KS SERIES

8P8C UTP Push-Down connectors. To suit stranded and solid core cables.

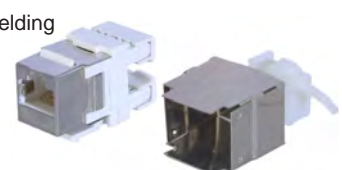
Type	Code
CAT6	KS-CAT6
CAT5e	KS-CAT5E
CAT3	KS-CAT3



### CAT5E FSTP RJ45 KEYSTONE JACK DUAL IDC TYPE

STP Cat5e keystone jack with shielding 180 Degree Dual IDC type

Code  
KJ5-28



### CAT5e KEYSTONE JACK IN-LINE COUPLER

Connects two cables inline for extension. Compatible with UTP CAT5e cables.

Code  
KJ5-20



### CAT5e KEYSTONE JACK TOOL-LESS TYPE 90°

UTP Cat5 tool-less keystone jack, 8P8C

Code  
KJ5-18



### CAT5E FSTP RJ45 KEYSTONE JACK 110 TYPE

FSTP Cat5e keystone jack with shielding 90 Degree 110 IDC type

Code  
KJ5-24



### CAT5E RJ45 KEYSTONE JACK TOOL-LESS TYPE

UTP Cat5e keystone jack, 8P8C Simple turn ot connect and lock feature for simple installation

Code  
KJ5-22



### CAT6 KEYSTONE SHIELDED

Fully shielded front and back. Gold plated connections. Punch-down. Suit CAT6, UTP & STP. 1G bandwidth.

Colour	Code
Shielded	CSM151







## □ CAT5/6 Clipsal Type

### CAT5e KEYSTONE WITH CLIPSAL COLLAR

KS series CAT5 8P8C keystone, easy to install. Clipsal® type bezel included.

**Code**  
KS-CAT5E



### CAT6 KEYSTONE 8P8C WITH CLIPSAL COLLAR

KS series CAT6 8P8C keystone. Clipsal® type bezel included.

**Code**  
KS-CAT6



### CAT3 KEYSTONE 8P4C WITH CLIPSAL COLLAR

KS series CAT3 8P4C keystone, Clipsal® type bezel included.

**Code**  
KS-CAT3



### CAT3 KEYSTONE GEL FILLED 8P4C

CAT3 8P4C keystone with Gel filled RJ plug and IDC connectors. Clipsal® type bezel included.

**Code**  
KS-CAT3-GEL



### CAT3 KEYSTONE WITH MOD3 FUNCTION 8P4C

CAT3 8P4C keystone with Mod 3 function, Clipsal® type bezel included.

**Code**  
KS-CAT3-MOD3



### CLIPSAL® COMPATIBLE KEYSTONE COLLAR

Adapts a standard CAT5/6 Type Keystone module to a Clipsal® type receptacle.

**Code**  
CLP-KSCLR



### HPM® COMPATIBLE KEYSTONE COLLAR

Adapts a standard CAT5/6 Type Keystone module to a HPM® type receptacle.

**Code**  
HPM-KSCLR



### CAT5E CLIPSAL® COMPATIBLE

Cat 5e IDC Keystone Jack to suit Australian Style Clipsal Blank Wall Plates

**Code**  
KJ5-26



### CAT6 CLIPSAL® COMPATIBLE

CAT 6 IDC Keystone Jack to suit Australian Style Clipsal Blank Wall Plates.

**Code**  
KJ6-09



### CAT5/6 F-F KEYSTONE FEED THROUGH

CAT5e/6 Ethernet 8-Pin Socket to Socket

Type	Code
CAT5e	WPI241
CAT6	WPI242



### CAT5e CLIPSAL® COMPATIBLE

Punch tool insert 8P8C Certified CAT5e Compliant.

Colour	Code
White	DA103WHT
Black	DA103BLK
Red	DA103RED
Blue	DA103BLU
Yellow	DA103YEL
Green	DA103GRN



### CAT6 CLIPSAL® COMPATIBLE

Punch tool insert 8P8C Certified CAT6 Compliant.

Colour	Code
White	DA600WHT
Black	DA600BLK
Red	DA600RED
Blue	DA600BLU
Yellow	DA600YEL
Green	DA600GRN



### VOICE JACK 8P CLIPSAL® COMPATIBLE

Punch tool insert as used in voice communications. 2 line / Dual Appearance Certified CAT3

Colour	Code
White	DT100WHT
Black	DT100BLK
Blue	DT100BLU



### VOICE JACK 8P CLIPSAL® COMPATIBLE

As used in voice communications. Certified CAT3 2 Pins wired Single line Dual appearance

Colour	Code
White	DT1002WHT



### VOICE JACK 6P CLIPSAL® COMPATIBLE

Punch tool insert 2 line / 2 appearance as used in voice communications. Certified CAT3 4 Pins wired

Colour	Code
White	TD1006P



### WALL PLATE CLIPSAL® COMPATIBLE

2 piece wall plates with # sockets: With/without Labels

Type	Code
1way	CWP01
Label	WPL100
2way	CWP02
Label	WPL200
3way	CWP03
4way	CWP04
5way	CWP05
6way	CWP06







## □ CAT5/6 Keystone

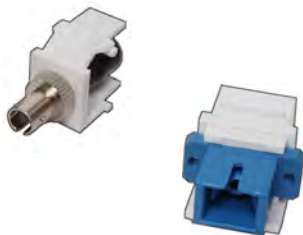
### OPTO KEYSTONE CSM SERIES

Fibre optic connect  
"ST" THROUGH

Code  
CSM122

"SC" THROUGH

Code  
CSM120



### "F" KEYSTONE CSM SERIES

"F" KEYSTONE  
"F" to "F" (Back)

Code  
CSM130

"F" KEYSTONE FOX

Black plastic Keystone.  
F to F. Foxtel® Approved.

Code  
CSM131BK



### KEYSTONE SURFACE MOUNT BOXES CSM SERIES

#### KEYSTONE MOUNTING

No holder plate required Plug in Keystone directly Simple. Comprehensive. Professional. Includes labels, cable ties, etc. Requires "CSM" modules.

Outlet	Code
1 Way	CSB110
2 Way	CSB120



### KEYSTONE SURFACE MOUNT BOX KS SERIES

#### EMPTY - REQUIRES KEYSTONE

These mount boxes are compatible with KS series CAT5/6 keystone inserts. They include a piece of mounting tape, label, screws and cable ties. These have automatically closing spring loaded dust protection doors.

Outlet	Code
1 Way	SMB-01
2 Way	SMB-02



DUST COVER WINDOW  
AUTO CLOSING WHEN PLUG IS REMOVED

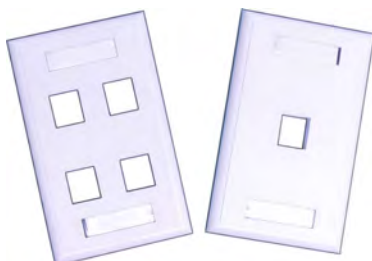
**KS Series**  
Next Page ►

### KEYSTONE WALLPLATES CSM SERIES

#### DIRECT KEYSTONE INSERT

No holder plate required. Plug in Keystone directly. Standard "Light-Switch" size wall plate. White. Labels. Screws, etc. Requires "CSM" keystones.

Ports	Code
1	CWP110
2	CWP120
4	CWP140



### "SIM" EMPTY SURFACE BOX

#### HOLDS TWO PAIRS [4]

"SIM" Surface Box module. Requires Holder Plates use the 1" SIM modules. Snap-Lock accessibility. Magnetic base hold or permanent screw mount.

Ports	Code
2	CSB220
4	CSB240

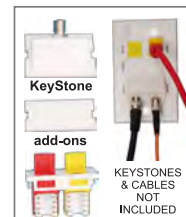
Requires SIM220 & CSM Keystones



### "SIM" EMPTY WALL PLATE

3 unit height for either 2x 1½" SIMs or 3x 1" SIMs or say a 1½" & 1" SIMs with a ½" blanking plate. Enables many combinations, a max of 6x "CSM" ports.

Code  
CWP200



### "SIM" KEYSTONE HOLDER PLATES

1" (25mm) height Snap-In-Modules. See "CSM" ports. Use CWP200 wall or CSB240 boxes.

Ports	Code
1	SIM210
2	SIM220



### "SIM" 45° KEYSTONE HOLDER PLATE

1½" (37mm) height Snap-In-Modules. Same as SIM210, 20 but angled for cable strain relief, etc.

Ports	Code
1	SIM211
2	SIM221



### "SIM" BLANKING PLATES

Fill-In blank spaces or use for future system expandability

Height	Code
½" 12mm	SIM202
1" 25mm	SIM200
1½" 37mm	SIM204



### CAT6 KEYSTONE JACKS CSM SERIES

Three colours available.  
3x Labelled dust covers ea.

Colour	Code
White	CSM102
Red	CSM104
Yellow	CSM106







## CAT5/6 WPL

### "WPL" WALL PLATES

#### MULTIPLE INSERT

Standard sized plate.  
Requires inserts.

Hole	Code
1	WP321
2	WP322
3	WP323
4	WP324
6	WP326



More Inserts Available in Cable and connectors section

### "WPL" KEYSTONE RJ SOCKET

#### RJ45 CAT5e

Punch-Tool cable insert Requires "WP" Wall plate

Collar	Code
White	WPI52
Red	WPI54
Yellow	WPI56



#### RJ12 TELEPHONE

Code
WPI50

More "WPL" Inserts Available in Cable and connectors section

### "WPL" KEYSTONE COLLAR

#### KEYSTONE COMPATIBLE

Adapts any Keystone type sockets to "WPL" wall plates (sold separately).



Code
WPIN-JACK

## CAT5/6 Joiners

### CABLE JOINER BOX COMPACT - AMDEX

#### PUNCH TOOL TYPE

Krone® 110 compatible Eight in / Eight out  
Compact enclosed case 50x25x25mm

Type	Code
CAT5e	DA215C5E
CAT6	DA215C6



### CABLE JOINER BOX COMPACT - WIRETEK

Krone® 110 compatible 8P8C  
Enclosed case 48x25x25mm  
Supplied with screws, mounting tape and cable ties.

Type	Code
CAT5e	LY-SB35
CAT6	LY-SB36



### CABLE JOINER SHIELDED COMPACT - WIRETEK

Krone® 110 compatible 8P8C  
Enclosed case 68x39x26mm  
Supplied with screws, mounting tape and cable ties.

Type	Code
CAT6	LY-SB39



## CAT5/6 Accessories

### COLOUR CODED CABLE CORD MARKER SET

Colour coded cable cord markers with 10 assorted coloured. Each set of colours include 10 markers. Easier cable management. Two cable diameters available.

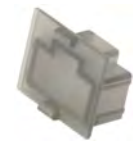
Size	QTY	Code
5.5mmØ	10x10	KJ5-99
6.5mmØ	10x10	KJ6-99



### RJ45 COVER

Protect an open socket form dust and weathering. Order one to receive 10.

Code
CSM-CVR



### BLANK KEYSTONE

Blank-off unused Keystone ports.

Code
CSM100



### CABLE JOINER BOX - WIRETEK

Krone® IDC block, 8P8C  
Enclosed case 83x27x24mm  
Supplied with screws, mounting tape and cable ties.

Type	Code
CAT6	LY-SB33



### CABLE JOINER BOX SHIELDED - WIRETEK

Krone® IDC block, 8P8C  
Enclosed case 83x27x24mm  
Supplied with screws, mounting tape and cable ties.

Type	Code
CAT6	LY-SB34



### SEALED CRIMP CONNECTORS

"Crush to make" terminals. Floods sealed chamber with silicone for a long-term reliable IP connection.

#### JOIN TWO ENDS

QTY	Code
20	TM44020
100	TM44100

#### SPLICE TWO CABLES

QTY	Code
20	TM45020
100	TM45100







## Connectors & Adaptors

### VGA & 3.5mm

#### WALL PLATE

Clipsal® Style Through connect  
Front VGA D15 Female  
3.5mm Stereo Socket  
Back VGA D15 Female  
3.5mm Stereo Socket



Code  
PK3307

#### WALL PLATE RIGHT ANGLE

Code  
PK3309

### WALL PLATES

#### VGA & AUDIO

D15HD VGA Socket. Dual RCA  
Sockets. Sockets to Sockets.  
Full sized plate 3.5mm adaptor

Code  
WPD15FSA



### WALL PLATE HDMI PC

#### CLIPSAL® COMPATIBLE

HDMI, VGA, Stereo 3.5mm, 3x RCA.

Code  
PRO1310



### WALL PLATE VGA USB +

#### CLIPSAL® COMPATIBLE

USB, VGA, 3.5mm Stereo and 3x RCA.

Code  
PRO1309



### WALL PLATE VGA USB

#### CLIPSAL® COMPATIBLE

VGA, 3.5mm Stereo, USB

Code  
PRO1314



### WALL PLATE VGA UNIVERSAL

#### CLIPSAL® COMPATIBLE

VGA Socket plus 4 blank  
sockets for customisation.  
Includes blanking caps.

Code  
WPI401



### DVI WALL PLATE

#### SOCKET TO SOCKET

Stainless steel plate Low noise wall  
socket Standard sized type Full DVI-I  
through put Front & back Socket Gold  
plated low-loss

Code  
WPD29DF



## PC Plugs & Sockets

### "D" PLUG WALL PLATES

#### STANDARD SIZE METAL

Front	Back	Type	Code
D9F	Solder	Single	WPD9F
D9F	Solder	Dual	WP2D9F
D9F	Screw	Single	WP310
D15F	Solder	Single	WPD15F
D15F	Solder	Dual	WPD15F2
D15F	D15F	Single	WPD15DF
D15F	D15F	Dual	WPD15DF2
D25F	Solder	Single	WD25F



### D25F WALL PLATE

Solder Terminal Back  
Off-white plastic fascia

#### SINGLE 25 PIN

Code  
WD25F



Shown with plastic protective cover  
Actually silver colour aluminium finish

### VGA - SCREW TERMINAL

15 pin HD female  
connector.  
25mm deep. Bag  
packaged.

Code  
WP310



### ROUND MULTI-CORE

Shielded. Beige outer  
Multi coloured strands.

Core	Reel	Code
9	100M	CC90
25	100M	CC250



### FLAT IDC CABLE

#### 60 METRES

Grey with polarity tracer

Core	Length	Code
9 Core	60M	FC9
15 Core	60M	FC15
16 Core	60M	FC16
25 Core	60M	FC25



#### 30 METRES

Core	Length	Code
40 Core	30M	FC40

### CRIMPING PLIERS

Even force for secure crimping.  
Suitable for all ribbon connectors  
D, IDC, etc. With adaptor.

Code  
HT214



EASY  
EVEN  
CRIMP





## □ D-Sub

### "D" TYPE RIBBON CABLE IDC CRIMP

#### MALE

Type	Code
9 PIN	FRC9M
15 PIN	FRC15M
25 PIN	FRC25M

#### FEMALE

Type	Code
9 PIN	FRC9F
15 PIN	FRC15F
25 PIN	FRC25F



### "D" SUB PCB MOUNT

#### FEMALE 9 PIN

Code
D9F-PC

#### MALE 25 PIN

Code
D25M-PC

#### FEMALE 25 PIN

Code
D25F-PC

#### MALE 9 PIN

Code
D9M-PC



### "D" SUB PCB MOUNT RIGHT-ANGLE

#### MALE 9 PIN

Code
D9M-PCR

#### FEMALE 9 PIN

Code
D9F-PCR



### "D" TYPE SUB-MINIATURE GOLD PLATED COMPUTER CONNECTORS AND BACK SHELLS

Each item comes blister packed. Backshell (sold separately) includes screws, etc.

#### 9 PIN

Description	Code
9 PIN MALE	D9M
9 PIN FEMALE	D9F
BACK SHELL	D9S
METAL SHELL	D9MS

#### 15 PIN STANDARD

Description	Code
15 PIN MALE	D15M
15 PIN FEMALE	D15F
BACK SHELL	D15S

#### 15 PIN HIGH DENSITY TYPE

Description	Code
15 PIN MALE	HD15M
15 PIN FEMALE	HD15F
BACK SHELL	D9S
METAL SHELL	D9MS

#### 23 PIN

Description	Code
23 PIN MALE	D23M
23 PIN FEMALE	D23F

#### 25 PIN

Description	Code
25 PIN MALE	D25M
25 PIN FEMALE	D25F
BACK SHELL	D25S

#### 50 PIN

Description	Code
50 PIN MALE	D50M
50 PIN FEMALE	D50F
BACK SHELL	D50S



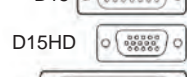
BACK SHELL (PLASTIC)



MALE



FEMALE



## HEX LOCKING SETS

### NUT & SCREW KIT

Suit "D" Plugs, etc.

Code
LND10

### EXTENDER NUTS

Code
SHN16

### THUMB SCREWS

44mm Long

Code
TSD8



TSD8  
8 Pieces

TWO  
SETS  
SHOWN

SHN16  
x16 Pieces

## □ Centronics

### "IDC" CENTRONICS RIBBON CRIMP

Gold plated conductors.

#### 36 PIN MALE

Code
FRC36M



#### 36 PIN FEMALE

Code
FRC36F



### CENTRONICS MALE 36 PIN

WITH BACK SHELL

Code
CN36M



### CENTRONICS FEMALE 36 PIN

#### CONNECTOR

Code
CN36F

#### BACKSHELL ONLY

Code
CN36S



## □ SCSI

### SCSI 50 PIN FEMALE

WITH BACK SHELL

Code
SE50F



### SCSI 50 PIN MALE

WITH BACK SHELL

Code
SE50M







## Flat Ribbon

### "IDC" FLAT RIBBON CABLE IDC CRIMP

Gold plated conductors.

Type	Code
10 PIN	FRS10
26 PIN	FRS26
34 PIN	FRS34
40 PIN	FRS40
44 PIN	FRS44
50 PIN	FRS50
64 PIN	FRS64



### "D" DOUBLE SIDED EDGE IDC CRIMP

Gold plated conductors.

Type	Code
20 PIN	EC20
34 PIN	EC34
50 PIN	EC50



## USB

### USB-A RETROFIT

#### PLUG A

In-Line Soldered

Code
CA1019



#### PCB SOCKET A

CCT Mount

Code
CA1028

### USB-B RETROFIT

#### PLUG B

In-Line Soldered

Code
CA1020



#### PCB SOCKET B

CCT Mount

Code
CA1021

## PCB MOUNT

### PS/2 PCB MOUNT

#### GREEN

Colour Coded Green is Mouse

Code
CA1013



#### PURPLE

Keyboard

Code
CA1014

### USB/RJ45 STACK PCB MOUNT

#### COMBO SET

USBx2 & RJ45x1

Code
CA1015



#### WITH LEDs

Integrated with Green & Yellow LEDs

Code
CA1016

## BNC Ethernet

### BNC ETHERNET CABLES

High grade, Top quality, Molded Plugs.  
RG58U cable. For computer networking.

Length	Code
2.0 metre	CL102
5.0 metre	CL105
10 metre	CL110



### BNC ETHERNET GENDER SPLITTERS

#### Female to Female

Code
P694



#### Right angle adaptor

Code
P680



#### "T" All Female

Code
P693



#### "T" M-FF

Code
P695



### BNC ETHERNET GENDER SPLITTERS

#### Male to Male

Code
AD1121



#### "T" Male to 2x Female

Code
P697



### ETHERNET TERMINATORS [RESISTIVE LOAD]

#### BNC 50 OHM (Paired)

Code
BNT50

#### BNC 75 OHM (Thrice)

Code
BNT75

#### BNC 93 OHM (Quad)

Code
BNT93



### BNC ETHERNET WALL PLATES

#### DUAL BNC PLUGS

Terminates to solder type terminals.  
White face plate Standard size

Plug	Code
1x BNC	BNCP1
2x BNC	BNCP2



### 50Ω COAX CABLE

#### COMMUNICATIONS CABLE

Supplied on 100M Reels

Type	Description	Length	Code
50Ω Coax A/U	Multi-strand 0.9mm	100M	RG58AU
50Ω Coax C/U	Multi-strand 1.2mm	100M	RG58CU



**CABLE & CONNECTORS** Section for More Coax and others....





## D-Sub

### RS232 MINI PATCH BOX

25 pin gold plated Male to female RS232 interface.  
25 tinned leads and all hardware supplied.

Code  
CA40



### RS232 SURGE PROTECTOR

Stops voltage spikes with the potential to do costly damaged  
uses metal oxide varistors to suppress any voltage above 26V on pins 2,3 & 7.

Code  
CA80



### RS232C NULL MODEM ADAPTOR

#### MALE TO FEMALE

All 25 pins wired straight through  
with pins 2 and 3 reversed.  
Gold plated pins.

Code  
CA90



### 9 PIN COM PORT ADAPTOR

Customisable pin adaptor

**DB9 Male to RJ45 Socket**  
RS232 to 8 Pin Modular

Code  
D9MRJ45



**DB9 Female to RJ45 Socket**  
RS232 to 8 pin Modular

Code  
D9FRJ45

### 25 PIN COM PORT ADAPTOR

Customisable pin adaptor  
DB25 Male to RJ12 Socket  
RS232 to 6 pin Modular

Code  
D25MRJ12



### 25 PIN COM PORT ADAPTOR

Customisable pin adaptor  
**DB25 Male to RJ45 Socket**  
RS232 to 8 pin Modular

Type Code  
Male D25MRJ45



**DB25 Female to RJ45 Socket**  
RS232 to 8 pin Modular

Type Code  
Female D25FRJ45

### MONITOR ADAPTOR HD15/D9

#### D9 Pin Male

D9 Pin Male to HD15  
Pin Male

Code  
CA221



## Gender Changers

### D9 GENDER CHANGER (9 PIN)

#### MALE TO MALE

Code  
CA180

#### FEMALE TO FEMALE

Code  
CA182



### D15 GENDER CHANGER (15 PIN)

#### FEMALE TO FEMALE

Code  
CA202

#### MALE TO MALE

Code  
CA200



### VGA MONITOR GENDER CHANGER

15 pin high density type

#### FEMALE TO FEMALE

Code  
CA206

#### MALE TO MALE

Code  
CA204



### D25 GENDER CHANGER

25 pin type

#### FEMALE TO FEMALE

Code  
CA188

#### MALE TO MALE

Code  
CA186



### CENTRONICS GENDER CHANGER (36 PIN)

#### FEMALE TO FEMALE

All pins wired.

Code  
CA190



### PRINTER ADAPTOR

D25 Male to 36 pin  
female Centronics.

Code  
CA192



### D9 TO D25 ADAPTORS

RS232, etc.

#### D25F TO D9M

Code  
CA156

#### D9F TO D25M

Code  
CA150

#### D25M TO D9M

Code  
CA155







## Keyboard Cables & Adaptors

### PS2 MOUSE & KEYBOARD TO USB

Plug a PS2 Keyboard and mouse into any USB1.1 compliant port. No software drivers required. USB Plug to 2x PS2 Sockets.

Code  
UPS2A



### PS2 TO USB ADAPTOR

Plug a PS2 Keyboard OR mouse into any USB1.1 compliant port. No software drivers required IF used with Windows XP™, etc. USB Plug to PS/2 Socket.

Code  
USB200A



### PS2 TO USB

#### PS2 PLUG

To USB "A" Socket Please note: Adaptor only Function may depend on peripherals used and software, etc.

Code  
USB203



### MINI DIN GENDER CHANGERS

Used for joining two male cables together, etc

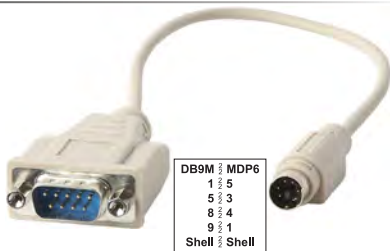
Type	Code
3 PIN	CA170
4 PIN	CA172
6 PIN	CA173
8 PIN	CA174



### LAPTOP PS2 TO SERIAL MOUSE

Most Popular Type 10 cm long. D9 Male to 6 pin male mini-Din.

Code  
CA250



### LAPTOP PS2 TO SERIAL MOUSE

If the above is not suitable, Try this one. 10 cm long.

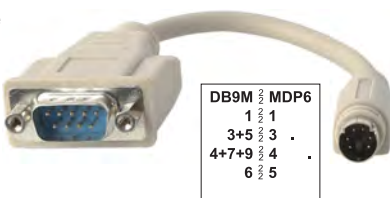
Code  
CA251



### LAPTOP PS2 TO SERIAL MOUSE

Another variation for unique laptops, etc. 10 cm long.

Code  
CA252



### D9 SERIAL TO PS2

Plugs the newer mice (PS2) into your older PCs serial port (D9) 10cm long

Code  
CA184



Some Mice / Systems Are Not Compatible.

### KEYBOARD ADAPTOR LEAD

5 Pin Din Female to 6 Pin Mini Din Male

Code  
CA160



5 Pin Din Male to 6 Pin Mini Din Female

Code  
CA161



### KEYBOARD CABLE 6 PIN MINI DIN

PS/2 Mini-DIN 6 pin

Size	Code
2M	CL326
5M	CL329



PS/2 Mini-DIN 6 pin Extension

Size	Code
2M	CL327
5M	CL328
10M	CL332



### KEYBOARD CABLE 8 PIN MINI DIN

Apple® IIGS & Macintosh computers to Imagewriter II. Mini Din 8 pin Male to Male

Length	Code
1.8M	CL340



### KEYBOARD ADAPTORS

5 Pin Din Male to 6 Pin Mini-Din Female

Code  
CA163



5 Pin Din Female to 6 Pin Mini-Din Male

Code  
CA162



### IBM PC SHIELDED KEYBOARD EXTENSION

AT 5 pin DIN Extension

Curly Cord

Length	Code
1.8M	CL320
3.0M	CL322



### 5 PIN DIN KEYBOARD ADAPTOR LEAD

Five pin Din Male-Male.

Length	Code
10cm	CA120
2.0M	CL324







## □ Cables & Leads

### □ SCSI Cables & Leads

#### APPLE® MACINTOSH SCSI

DB25 Male to 50 pin male. Extended version of original Apple part No. MO206

Length	Code
1.8M	CL530
3.0M	CL535



#### SCSI-II HPD50M TO SCSI-II HPD50M

SCSI-II male to male cable. ie. HPD50M to HPD50M 1M long.

Length	Code
1M	CL562



#### SCSI-I CN50M TO SCSI-I CN50M

50 pin, Not All-pins-wired type. For Apple®/Mac SCSI type ONLY!

Description	Code
0.8M MALE/MALE	CL700
1.8M MALE/MALE	CL705
0.8M MALE/FEMALE	CL549
1.8M MALE/FEMALE	CL550
3.0M MALE/FEMALE	CL552

#### ALL PINS WIRED VERSION

Description	Code
1.8M MALE/MALE	CL510



#### SCSI-III HPD68M TO SCSI-III HPD68M

SCSI-III male to male cable. ie HPD68M-Honda to HPD68M-Honda

Length	Code
2M	CL591



#### SCSI-V VHC68M TO SCSI-V VHC68M

Length	Code
2M	CL589



#### SCSI-I CN50M TO SCSI-II HPD50M

SCSI-II male to SCSI-I male cable. ie. HPD50M to CN50M

Length	Code
1M	CL560



#### SCSI-V VHC68M TO SCSI-II HPD50M

0.8mm pitch 68 pin 40Mbps SCSI-5

Length	Code
2M	CL586



## □ SCSI Adaptors

#### SCA HD ADAPTOR

Converts SCA Drive (SCA80F) to a MD68F and FCP50S With power socket.

Code
SCA806



#### SCSI HPD68 TO IDC50 ADAPTOR

##### SCSI HPD68M TO IDC50M

Code
SHD568







## Serial

### RS232 SHIELDED SERIAL CABLE

All pins wired. Fully shielded with molded thumbscrew connectors.

Length	Description	Code
1.8M	MALE/MALE	CL200
3.0M	MALE/MALE	CL210
1.8M	MALE/FEMALE	CL220
3.0M	MALE/FEMALE	CL230
1.8M	FEMALE/FEMALE	CL202



### LOW NOISE EXTENSION

Length	Description	Code
5M	MALE/FEMALE	CL221

Special shielding for extending distance.

### NULL-MODEM SERIAL D9

D9 Female To Female. All pins wired type NULL Modem cable with Full Handshaking. RTS-CTS, etc. Suit most modern serial high speed flow control.

Length	Code
1M	CL752-1
2M	CL752-2
3M	CL752-3
5M	CL752-5



### RS232 SERIAL ADAPTOR CABLE

25 pin Male RS232 plug to 25 pin Female or 9 pin Female RS232 1.8M. Fully shielded. Gold plated pins.

Length	Code
1.8M	CL615



### RS232 UNIVERSAL CABLE

Serial data transfer cable as used with modems, Laplink and general purposes. DB25F or DB9F to DB25F or DB9F. 2.0M

Length	Code
2.0M	CL750



### NULL-MODEM SERIAL D25

As used where handshaking requirements cannot be ignored. The cables satisfy the signals such as DTR, CTS, etc. 1.8M. Shielded. Gold plated pins.

Description	Code
MALE/FEMALE	CL610
MALE/MALE	CL612



### RS232 TO RS485/RS422 CONVERTERS

#### ATEN - WITH MODE SWITCHES

RS232 DB25 Serial Female connector RS485/RS422 Four terminal block or Handy RJ45 for using CAT5 cable. Converts data transmission control Point to point, Simplex/Duplex, Multidrop RTS, DCE/DTE, XON up to 1200 Metres. Includes required 9V power pack, Instructions and retail box.

Code
CL204



#### D9 RS232 TO RS485

Bi-directional diversion converts RS232 to RS485 data signal transmission. No additional power required. Supports 1200M distance 128 Node 115.2K Speed Anti-thunder. Anti-static.

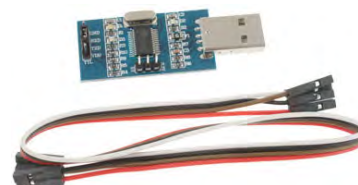
Code
CA903



### USB A MALE TO TTL CONVERTER

Voltage: 3.3V or 5V  
PL2303HX Chip  
LED data TX/RX indicator  
4 Pins: VDD, TxD, RxD, GND  
Size 55x22x11mm  
No drivers required  
windows® 32/64 bit.

Code
CA111



### RS232 SERIAL TO TTL CONVERTER

#### D9F PIN SOCKET

Voltage: 3.3V or 5V  
Microcontroller development, etc.  
MAX3232 Chip Low power  
True RS-232 Transceiver  
Compact 45x32x15mm.  
Includes 4 jumper leads.

Code
CA110







## Printer

### 25 PIN TO 36 PIN PRINTER CABLE

#### MOST POPULAR & ECONOMICAL

Length	Code
1.8M	CL280
3M	CL290
5M	CL295



#### IEEE1284 HIGH SPEED

Length	Code
3M	CL291
5M	CL296



### HEWLETT PACKARD LASER JET AND PLOTTER

Interfaces PCs to Hewlett Packard Laserjet printers and plotters, etc. Mini-Centronics High Density 36 pin to Standard D25 male.

Length	Code
1.8M	CL434



## Parallel

### 25 CONDUCTOR PARALLEL [& SERIAL] CABLES

Fully shielded cable with Gold pin connectors. All pins wired straight through for Parallel & Serial

Length	Connectors	Code
1.8M	MALE/MALE	CL240
3M	MALE/MALE	CL250
5M	MALE/MALE	CL243
10M	MALE/MALE	CL244
1.8M	MALE/FEMALE	CL260
3M	MALE/FEMALE	CL270
5M	MALE/FEMALE	CL262
10M	MALE/FEMALE	CL263



### PARALLEL DATA TRANSFER CABLE

Windows® direct-cable-connect, DOS, Lap-Link, etc., Parallel data transfer cable. DB25M

Length	Code
5M	CL276



## USB To Serial / Parallel

### USB PRINTER CONVERTER CABLE

#### USB-A Centronics36 Male

Modern windows™ solution for standard serial type printer connections using Centronics. 1.2Mb/s, USB-1.0 ECP mode.

Length	Code
1.2M	USB36C



### USB TO SERIAL CONVERTER CABLE

#### RS232 SERIAL

Connect RS232 Serial data streams through to USB inputs. PnP. 1M.

Description	Plug	Code
Dual RS232	USB - D9M(x2)	USB143



#### SINGLE 9 PIN SERIAL

Description	Plug	Code
Single RS232	USB - D9M	USB233

#### SINGLE 25 PIN SERIAL

Description	Plug	Code
Single RS232	USB - D25M	USB232







# Data & Computer

## □ MIDI

### USB TO MIDI PORT

#### MIDI INTERFACE

Plugs many music devices into you PC for sequencing Keyboard Synthesiser, etc. 5 Pin Din Plug I/O

#### Code

USB144



### MIDI INTERCONNECT

#### MALE TO MALE

5 Pin DIN Plug Male to Male. As used to connect MIDI devices.

Plug	Length	Type	Code
5 Pin Din Plug To Plug	1.2M	Shielded Cable	AL676
5 Pin Din Plug To Plug	3.0M	Shielded Cable	AL680



#### MALE TO FEMALE

5 Pin DIN Extension Lead. As used to connect MIDI devices.

Plug	Length	Type	Code
5 Pin DIN Plug To Socket	1.2M	Extension	AL684



## □ JoyStick

### 15 PIN JOYSTICK OR MAC MONITOR CABLE

All 15 pins connected, shielded cable with molded connectors, Suitable for PC joystick extension, MAC monitors, etc.

#### MALE TO MALE

Length	Code
3M	CL625



#### MALE TO FEMALE

Length	Code
2M	CL624
3M	CL626

## □ Apple® Macintosh®

### MACINTOSH® NETWORK CONNECTOR/ADAPTOR

Designed to connect external laser printers, dot matrix printers, computers etc, into an existing Apple® Macintosh local area network (LAN system). Eight pin mini din plug to two modular sockets (I/O) to allow easy installation. Supplied with dummy load if an outlet is unused and a 2M long 4 wire modular cable connector. For more modular see CABLES & CONNECTORS SECTION.

Length	Code
2M	CC5018



### APPLE® TO PC DATA TRANSFER CABLE

Designed to permit data transfer from IBM PC and PC/XT and compatibles to Macintosh® Plus, SE and Apple® IIgs. DB25F to 8 pin mini connector, 1.8M.

#### DB25F PC/XT to Mac

Length	Code
1.8M	CL450



### APPLE® IIc / IMAGEWRITER SERIAL CABLE

Universal cable to suite Imagewriter and others. Fully shielded with gold plated pins. DB25M to 5 pin Din.

Length	Code
1.8M	CL485



### MAC LOCAL-TALK PRINTER CABLE

8 Pin Mini-DIN Male to Male Pin 1 to Pin 6

Length	Code
1.8M	CL340



## □ PSP

### USB TO PSP

#### PLUGS YOUR PSP INTO YOUR PC

Length	Code
0.5M	CL960-05
1.0M	CL960-1
2.0M	CL960-2
3.0M	CL960-3
5.0M	CL960-5



### USB CABLE WITH CHARGER

Length	Code
1.2M	PSP-USBPW







## □ Apple iPod / iPhone / iPad®

### APPLE™ LIGHTNING TO USB

iPhone® and iPad®, etc. Charge and sync.

Type	Packaging	Length	Code
Original	Hanger Bag	1M	MDC9071
Licensed	Aerpro Box	1M	APL105
Compatible		1M	MDC1024WH
Compatible	Hanger Bag	1M	MDC9051
Compatible	Hanger Bag	2M	MDC9051-2
Compatible	Hanger Bag	3M	MDC9051-3
Compatible	Prolink Box	1M	MP320



### APPLE™ LIGHTNING TO REVERSIBLE USB

#### APPLE® COMPATIBLE

Length	Code
1M	MDC9076
2M	MDC9076-2



### LIGHTNING USB EXTENSION CABLES

Male to female lightning extension cable to give your cable that extra length or extend your dock. 1M long.

Length	Colour	Code
1M	Black	MDC9065BK
1M	White	MDC9065WH



### UNIVERSAL USB 2.0 POCKET TOOL KIT

#### LIGHTNING / MICRO-USB / 30PIN / USB

Multi-tool charging adaptor has the shape of a Swiss army knife. Includes a micro USB, Apple 30-pin and Apple® lightning connector. USB connector to plug into your computer or a wall charger.

Colour	Code
Black	MDC1019BK
White	MDC1019WH

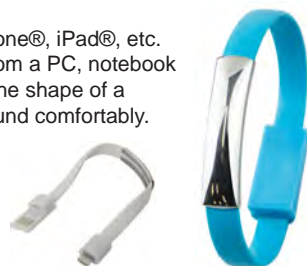


### APPLE™ LIGHTNING DATA CABLE WRISTBAND

#### WEARABLE 170MM IN LENGTH

USB to lightning cable for Apple iPhone®, iPad®, etc. Suitable for data sync or charging from a PC, notebook or a USB power main. Designed in the shape of a wristband, convenient to carry it around comfortably.

Colour	Code
Blue	MDC9075BU
White	MDC9075WH



### APPLE™ LIGHTNING TO MICRO-USB (F) ADAPTOR

#### POWER AND DATA TRANSFER

Micro USB adaptor to convert your micro USB cable to work with the Apple® products. Compatible with Apple iPhone®, iPad®.

Colour	Code
White	AD9074WH



### APPLE™ LIGHTNING TO MICRO USB

#### UNIVERSAL DATA & CHARGE CABLE

Features a micro USB to Apple® lightning adaptor with 1 metre Micro-USB to USB cable. Certified to suit iPhone, etc.

Colour	Length	Code
White	1M	APL106
White <sup>2</sup>	1.0M	MP017



<sup>2</sup>Retractable Version

### APPLE™ 30 PIN TO USB

USB Plug to iPod/iPhone® Connector  
1.5 Metre Cable. (MP346=2M)

Type	Code
Apple Original	MDC9002
Replacement	MDC9003
Prolink	MP346
Aerpro	APL30



### APPLE™ IPOD TO USB

#### USB2.0 DATA CABLE

Docking Station Connection  
found on 3G/4G/5G & Mini  
RETRACTABLE

Description	Code
Retractable	CL1018



### APPLE™ 30 PIN DOCK CONNECTION KIT

#### SYNC WITH EXTERNAL

Connects to iPod, iPad, iPhone via 30 pin Docking plug. Accepts MS DUO, MMC, M2, T-Flash and SD Cards. Also has a USB Socket for Connecting a Digital Camera or USB Keyboard.

Code
MDC9007



### APPLE™ LIGHTNING TO DOCK

30 Pin iPod®, iPhone®, iPad®, etc.  
Update generation. 150mm

Colour	Code
Black	MDC9072BK
White	MDC9072WH



### APPLE™ 30 PIN FEMALE TO LIGHTNING ADAPTOR

#### NOT APPLE® CERTIFIED

Colour	Code
Black	AD9070BK
White	AD9070WH



## □ Lightning

### APPLE™ LIGHTNING PLUG

#### NOODLE COLOUR + MORE...

Range expanding as further Lightning solutions become available. See [www.cellink.com.au](http://www.cellink.com.au)



### APPLE™ ACCESSORIES

For a comprehensive range of iPhone™ and iPad™ accessories, See the Communications Section 06 or our website.





## Micro-USB

### MICRO USB CABLE

Length	Colour	Code
0.3M	Black	MDC1004
1M	White	MDC1010WH
1M	Green	MDC1010GN
1M	Yellow	MDC1010YL
1M	Orange	MDC1010OR
1M	Red	MDC1010RD
1M	Purple	MDC1010PU
1M	Blue	MDC1010BU
1M	Hot Pink	MDC1010HP
1M	Pink	MDC1010PK
3.0M	Black*	MDC1005BK
3.0M	White*	MDC1005WH



### MICRO TO USB - NOODLE

#### HIGH-SPEED USB FLAT CABLE STYLE

Colour	Length	Code
Black	1M	MDC1011BK
Blue	1M	MDC1011BU
Green	1M	MDC1011GN
Hot Pink	1M	MDC1011HP
Purple	1M	MDC1011PU
Red	1M	MDC1011RD
White	1M	MDC1011WH
Black	2M	MDC1007BK
Pink	2M	MDC1007PK
White	2M	MDC1007WH
Black	3M	MDC1008BK



### USB TO MICRO-USB CABLE MISC

Length	Colour	Code
0.3M	Black	MDC1004
0.8M	White <sup>2</sup>	MP387R
1.0M	White	MP387
1M	Black	MDC1001
1.2M	White	ADM95
2M	Black	MDC1001-2
3M	Black	MDC1001-3
3.0M	Black*	MDC1005BK
3.0M	White*	MDC1005WH

\*Classic style.



<sup>2</sup>Retractable

### MICRO USB CABLE RIGHT ANGLE

Micro USB cable with 90° right angle micro USB outlet. For charging and data transfer.

Colour	Length	Code
Black	1M	MDC1021BK
White	1M	MDC1021WH
Black	2M	MDC1022BK
White	2M	MDC1022WH
Black	3M	MDC1023BK
White	3M	MDC1023WH



### USB TO MICRO-USB CABLE MDC1012 SERIES

#### FOR CHARGING AND SYNCING

Superior purity copper conductor ensuring durability, fast syncing and charging.

Length	Colour	Code
1M	Black	MDC1012B-1
1M	White	MDC1012W-1
2M	White	MDC1012W-2



### USB TO REVERSIBLE MICRO USB CABLE

#### PROLINK GOLD PLATED

The micro USB plug is reversible, so you can insert the plug to your smartphone on either side

Length	Colour	Code
1.0M	Black	PB475G-0100



## USB OTG

### MICRO USB MALE TO MALE OTG CABLE

Micro USB 5 Pin Male to Micro USB 5 Pin Male OTG cable. 20cm, Black.

Length	Code
0.2M	MDC1017



### OTG ADAPTORS

#### USB ON-THE-GO

Type	Plug	Code
Lead R/A	Mini-USB	CA960
Lead R/A	Micro-USB	CA961
Lead	Micro-USB	CL6500
Lead	Micro-USB	MDC1002



## Mini-USB

### USB TO MINI-USB CABLE

Length	Colour	Code
0.5M	Black	CL960-05
1.0M	Black	CL960-1
1.2M	White	ADM85
2.0M	Black	CL960-2
3.0M	Black	CL960-3
5.0M	Black	CL960-5



### USB MINI-4P TYPE "MITSUMI"

Mini USB 4 Pin Plug type "B" AKA: "Mitsumi" Adaptor lead To USB Plug "A" Male.

Length	Code
3M	CL966



### USB MINI-4P TYPE "HIROSE"

Mini USB 4 Pin AKA: "HiRose" Sony Samsung Adaptor lead To USB Plug "A" USB 2.0 480Mbps

Length	Code
1M	USB2AM



### MICRO USB MALE TO MINI USB FEMALE

Length	Code
100mm	CA1009







## □ USB Retractable

### USB RETRACTABLE CABLE 1.2M

#### USB EXTENSION

"A" Male to "A" Female

Code  
CL906



#### MINI-USB 4

"A" Male adapts to  
Mini-4P "A" Male

Code  
CL943



#### MINI-USB 5

"A" Male adapts to  
Mini-5P "B" Male

Code  
CL942



### USB RETRACTABLE CABLE KIT 1.2M

5 in 1 retractable USB adaptor with the following plugs:

Input: USB "A" Male  
Output: USB "B" Male,  
Mini 5P "B" USB male,  
Mini 4P "A" USB male,  
Mini 4P "B" USB male,  
Mini firewire 1394 male

Code  
CL1016



### USB MULTIFUNCTIONAL

#### DATA & CHARGE

Retractable 1M cable.  
Mini-USB  
Micro-USB  
iDock 30 Pin

Code  
CL1019



### 12 IN 1 COMPUTER ACCESSORIES TRAVEL KIT

- 1m Retractable USB AM to AF extension cable.
- 0.8m Retractable IEEE1394 FireWire 6pin male to 6 pin male cable.
- 1m Retractable RJ45 to RJ 45 network cable
- USB AM to mini USB 5 pin adaptor
- USB AM to mini USB 4 pin male adaptor
- USB AM to USB BM adaptor
- FireWire 6pin female to 4pin male adaptor
- Retractable Earphone and Microphone
- Mini USB mouse with retractable cord
- 0.8m Retractable RJ11 to RJ 11 cable
- USB AM to AM adaptor
- USB to PS/2 adaptor

Code  
CL1012



## □ USB Weatherproof

### USB 2.0 PLUG SCREW

#### SOLDER BACK

USB 2.0 Type "B" Plug with  
solder back 4 pins plus earth.  
Quality PA66 plastics rated to  
IP68 weatherproofing connection.  
Compatible with USB Screw jacks.

Code  
34000000-01



### USB 2.0 JACK SCREW

#### SOLDER PINS REAR

Circle Panel Mount  
Screw front mount  
Solder pins back.  
480Mbps  
IP68

Code  
34000000-03



### USB2.0 JACK SCREW TYPE WITH LEAD

USB 2.0 Type "A" socket on a  
screw mount with a 0.5M USB lead.  
Made with quality PA66 plastics  
rated to IP68 weatherproofing  
connection. Compatible with a USB  
male screw jack.

Code  
IC02415041504



### OPTIONAL WATERPROOF SCREW CAP

#### SUITS ANY USB SCREW JACK

IP67 waterproof cap to suit the screw  
type panel mount, the rubber backing  
seal the water from getting into panel  
mount. Size: 18mm x 24mmØ O.D.

Code  
806-00001-00



### USB 2.0 PLUG BAYONET

#### SOLDER BACK

USB 2.0 Type "B" Plug with  
solder back 4 pins plus earth.  
Quality PA66 plastics rated to  
IP67 weatherproofing connection.  
Compatible with USB bayonet jacks.

Code  
34000000-02



### USB 2.0 JACK BAYONET

#### SOLDER PINS REAR

Circle Panel Mount, Screw front mount  
Solder pins back. 480Mbps IP68  
Bayonet

Code  
34000000-04



### USB 2.0 JACK BAYONET & CAP

#### SPRING CLOSE DUST CAP

Rhombus Panel Mount with IP67  
weather sealed dust cap.  
USB 2.0 to 5 pins solder back.  
Bayonet.

Code  
34000000-05





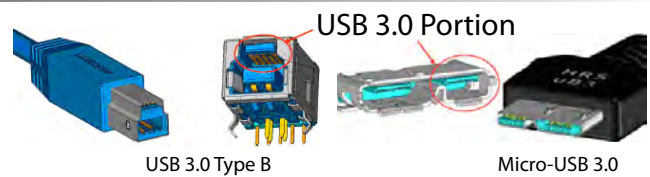


## □ USB3

### USB3 SUPERSPEED

#### NEW 5Gbps Data Transfer Standard over four twisted pair cable

The USB3 Plugs Type A and B have an additional 5 pins over the original 4. USB3 is backward compatible with USB1 & USB2 plugs and peripherals. USB3 Peripherals may plug into USB2.0 but with performance drop to 2.0. USB1.1 & USB2.0 peripherals will plug into USB3 and perform to USB2.0



#### USB3 A MALE TO USB3 A MALE

Plug A	Plug B	Length	Colour	Code
A Male	A Male	1M	Blue	CL10601
A Male	A Male	2M	Blue	CL10602
A Male	A Male	3M	Blue	CL10603
A Male	A Male	5M	Blue	CL10605



#### USB3 A MALE TO USB3 A FEMALE

Plug A	Plug B	Length	Colour	Code
A Male	A Female	1M	Blue	CL10611
A Male	A Female	2M	Blue	CL10612
A Male	A Female	3M	Blue	CL10613
A Male	A Female	5M	Blue	CL10615



#### USB3 A FEMALE TO USB3 A FEMALE

Plug A	Plug B	Length	Colour	Code
A Female	A Female	1M	Blue	CL10621
A Female	A Female	2M	Blue	CL10622
A Female	A Female	3M	Blue	CL10623
A Female	A Female	5M	Blue	CL10625



#### USB3 A MALE TO USB3 B MALE

Plug A	Plug B	Length	Colour	Code
A Male	B Male	1.0M	Blue	CL10631
A Male	B Male	2.0M	Blue	CL10632
A Male	B Male	2.0M	White	MP360
A Male	B Male	3.0M	Blue	CL10633
A Male	B Male	5.0M	Blue	CL10635



#### USB3 B MALE TO USB3 B MALE

Plug A	Plug B	Length	Colour	Code
B Male	B Male	1M	Blue	CL10641
B Male	B Male	2M	Blue	CL10642
B Male	B Male	3M	Blue	CL10643
B Male	B Male	5M	Blue	CL10645



#### USB3 B MALE TO USB3 B FEMALE

Plug A	Plug B	Length	Colour	Code
B Male	B Female	1M	Blue	CL10651
B Male	B Female	2M	Blue	CL10652
B Male	B Female	3M	Blue	CL10653
B Male	B Female	5M	Blue	CL10655



#### USB3 A FEMALE TO USB3 B MALE

Plug A	Plug B	Length	Colour	Code
A Female	B Male	1M	Blue	CL10661
A Female	B Male	2M	Blue	CL10662
A Female	B Male	3M	Blue	CL10663
A Female	B Male	5M	Blue	CL10665



#### USB3 A FEMALE TO USB3 B FEMALE

Plug A	Plug B	Length	Colour	Code
A Female	B Female	1M	Blue	CL10671
A Female	B Female	2M	Blue	CL10672
A Female	B Female	3M	Blue	CL10673
A Female	B Female	5M	Blue	CL10675



#### MICRO USB 3.0 CABLE WITH AUDIO OUT

AUX Cable Car Audio/AUX Speaker Cable for Samsung Galaxy Note III / N9000, Galaxy S5 / G900. Sync and charger at the same time. Length: 0.5M, made with oxygen-free copper (OFC) cable.

Colour	Code
Black	MDC1016BK
White	MDC1016WH







### USB3 MICRO-B MALE TO USB3 MICRO-B MALE

Plug A	Plug B	Length	Colour	Code
MICRO-B Male	MICRO-B Male	1M	Blue	CL10551
MICRO-B Male	MICRO-B Male	2M	Blue	CL10552
MICRO-B Male	MICRO-B Male	3M	Blue	CL10553
MICRO-B Male	MICRO-B Male	5M	Blue	CL10555



### USB3 MICRO-B MALE TO USB3 MICRO-AB FEMALE

Plug A	Plug B	Length	Colour	Code
MICRO-B Male	MICRO-AB Female	1M	Blue	CL10541
MICRO-B Male	MICRO-AB Female	2M	Blue	CL10542
MICRO-B Male	MICRO-AB Female	3M	Blue	CL10543
MICRO-B Male	MICRO-AB Female	5M	Blue	CL10545



### USB3 A MALE TO USB3 MICRO-B MALE

Plug A	Plug B	Length	Colour	Code
A Male	MICRO-B Male	1.0M	Blue	CL10561
A Male	MICRO-B Male	2.0M	Blue	CL10562
A Male	MICRO-B Male	2.0M	White	MP358
A Male	MICRO-B Male	3.0M	Blue	CL10563
A Male	MICRO-B Male	5.0M	Blue	CL10565



### USB3 A FEMALE TO USB3 MICRO-B MALE

Plug A	Plug B	Length	Colour	Code
A Female	MICRO-B Male	1M	Blue	CL10571
A Female	MICRO-B Male	2M	Blue	CL10572
A Female	MICRO-B Male	3M	Blue	CL10573
A Female	MICRO-B Male	5M	Blue	CL10575



### USB3 B MALE TO USB3 MICRO-B MALE

Plug A	Plug B	Length	Colour	Code
B Male	MICRO-B Male	1M	Blue	CL10581
B Male	MICRO-B Male	2M	Blue	CL10582
B Male	MICRO-B Male	3M	Blue	CL10583
B Male	MICRO-B Male	5M	Blue	CL10585



### USB3 B FEMALE TO USB3 MICRO-B MALE

Plug A	Plug B	Length	Colour	Code
B Female	MICRO-B Male	1M	Blue	CL10591
B Female	MICRO-B Male	2M	Blue	CL10592
B Female	MICRO-B Male	3M	Blue	CL10593
B Female	MICRO-B Male	5M	Blue	CL10595



### USB3 A MALE TO USB3 MICRO-AB FEMALE

Plug A	Plug B	Length	Colour	Code
A Male	MICRO-AB Female	1M	Blue	CL10501
A Male	MICRO-AB Female	2M	Blue	CL10502
A Male	MICRO-AB Female	3M	Blue	CL10503
A Male	MICRO-AB Female	5M	Blue	CL10505



### USB3 A FEMALE TO USB3 MICRO-AB FEMALE

Plug A	Plug B	Length	Colour	Code
A Female	MICRO-AB Female	1M	Blue	CL10511
A Female	MICRO-AB Female	2M	Blue	CL10512
A Female	MICRO-AB Female	3M	Blue	CL10513
A Female	MICRO-AB Female	5M	Blue	CL10515



### USB3 B MALE TO USB3 MICRO-AB FEMALE

Plug A	Plug B	Length	Colour	Code
B Male	MICRO-AB Female	1M	Blue	CL10521
B Male	MICRO-AB Female	2M	Blue	CL10522
B Male	MICRO-AB Female	3M	Blue	CL10523
B Male	MICRO-AB Female	5M	Blue	CL10525



### USB3 B FEMALE TO USB3 MICRO-AB FEMALE

Plug A	Plug B	Length	Colour	Code
B Female	MICRO-AB Female	1M	Blue	CL10531
B Female	MICRO-AB Female	2M	Blue	CL10532
B Female	MICRO-AB Female	3M	Blue	CL10533
B Female	MICRO-AB Female	5M	Blue	CL10535







## USB

### USB CABLES MALE TO MALE TYPE "A" —

#### USB2.0 480Mbps

Length	Colour	Code
1.0M	Black	CL910
2.0M	Black	CL911
2.0M	White	CL911WH
2.0M	White	MP369
3.0M	Black	CL912
5.0M	Black	CL913

Note: For longer lengths a booster is required



### USB EXTENSION CABLES TYPE "A"

#### USB TYPE A MALE TO A FEMALE

Length	Colour	Code
30cm	Black	CL900-03
30cm	White	CL900WH-03
1M	Black	CL900
1M	White	CL900WH
2M	Black	CL901
2M	White	CL901WH
3M	Black	CL902
3M	White	CL902WH
5M	Black	CL903
5M	White	CL903WH

Note: For longer lengths a booster is required



### USB BOOSTED EXTENSIONS

USB has a limit of 5M unless boosted!  
Active extension. Cascadeable. USB 2.0

Length	Plug	Code
5M+	A Male - A Female	USB5000
10M+	A Male - A Female	USB5010
10M	A Male - B Male	USB5011
15M+	A Male - A Female	USB5015
20M+	A Male - A Female	USB5020



### USB EXTENDER OVER CAT5

#### USB1.1 VIA CAT5 [RJ45]

Extend USB up to 50M using  
CAT5 Ethernet cable RJ45  
Plug-Plug. Lead of required  
length needed.

Length	Description	Type	Code
50M	Windows XP®	USB 1.1	USB111



### USB ADAPTOR CABLES TYPE A TO B

#### USB TYPE A MALE TO B MALE

Length	Colour	Code
1.0M	Black	CL920
2.0M	Black	CL921
2.0M	White	MP360
3.0M	Black	CL922
5.0M	Black	CL923



### AM-BM USB2.0 CABLE 2M RIGHT ANGLE

2 metre USB 2.0 right angle USB-A  
Male to USB-B Male cable.

Length	Code
2M	CL921R



### USB CABLES TYPE "B" MALE TO MALE

#### USB TYPE B INTERCONNECTS

Length	Code
3M	CL932
5M	CL933



## USB3.1

### USB 3.1 TYPE-C SUPERSPEED+ 10GBPS

USB  
3.1

The SuperSpeed USB (USB 3.1 Gen 2) Specification adds a 10Gbps speed mode that uses a more efficient data encoding and will deliver more than twice the effective data through-put performance of existing SuperSpeed USB 3.0 over an enhanced, fully backward compatible USB connectors and cables. Backward compatible USB 1.1 / 2.0 / 3.0



### USB 3.1 TYPE-C M TO M DATA CABLE

Type C connector is the new design for USB 3.1.  
Reversible plug orientation & Cable direction  
Data transfer rate, up to 10Gbps

Length	Colour	Code
1M	Black	CL1140BK-1
2M	White	CL1140WH-2



### USB 3.1 TYPE-C M TO USB 3.0 TYPE-A M CABLE

Type C connector is the new design for USB 3.1.  
Reversible Design for Type C connector.  
Data transfer rate, up to 10Gbps.

Length	Colour	Code
1M*	Black	PB485-0100
1M	White	CL1100WH-1
1M	Black	CL1100BK-1
2M	Black	CL1100BK-2
3M	Black	CL1100BK-3

\*PB485-0100 is 5Gbps



### USB 3.1 TYPE-C MALE TO USB 3.0 TYPE-A FEMALE

Type C connector is the new design for USB 3.1.  
Reversible plug orientation & Cable direction  
Data transfer rate, up to 10Gbps  
Support OTG function

Length	Colour	Code
0.15M*	Black	PB489-0015
0.2M	Black	CL1120BK-015
1M	Black	CL1120BK-1
1M	White	CL1120WH-1

\*PB489-0015 is 5Gbps.



### USB 3.1 TYPE-C TO MICRO-USB CABLE 1M

USB type-C to USB3.0 micro-B cable.  
1 metre male to male connection.  
White colour.

Length	Colour	Code
1M	White	CL1170WH-1



### USB 3.1 TYPE-C TO USB TYPE-B M DATA CABLE

Type C connector is the new design for USB 3.1  
Data transfer rate, up to USB 3.1 10Gbps

Length	Code
1M	CL1130WH-1







## □ USB3.1

### USB 3.1 TYPE-C TO 4x USB3.0 HUB

4 port USB 3.0 Hub. Plug and play support. Supports USB 3.1 to USB 3.0 super speed (5Gbps) also backward compatible with USB2.0 Driver free, support Windows, MacOS, Linux.

Code  
USB3104



### USB 3.1 TYPE C TO HDMI ADAPTOR

USB Type C port to an HDMI display adaptor allows you to mirror a display in up to 1080p at 60Hz or UHD (3840x2160) at 30Hz.

Length Code  
1.0M CA3100



### USB 3.1 TYPE C TO USB 3.0 TYPE A CABLE 1M

1M USB Type-C male to USB 3.0 Type-A male. Maximum bandwidth: 5Gbps.

Length Code  
1M\* PB485-0100



### USB 3.1 TYPE C TO HDMI/USB 2.0/USB-C ADAPTOR

Type-C port to a 4K Ultra HD TV or monitor & a standard USB device. The pass through USB-C power port allows you to connect your Type-C USB charger to keep you powered while you work.

Length Code  
0.1M CA3108



### USB 3.1 TYPE-C M TO MICRO USB M CABLE 1M

USB Type C connector to Micro-USB Male.

Colour Code  
White CL1160WH-1  
Black CL1160BK-1



### USB 3.1 TYPE C TO DVI ADAPTOR

USB Type C to VGA adaptor lets you connect your MacBook/ ChromeBook with DVI-I display in up to 1080p HD. DVI-I Supports DVI-D Digital (HDMI) and DVI-A Analogue (VGA).

Length Code  
0.1M CA3102



### USB 3.1 TYPE C TO MICRO USB ADAPTOR

USB3.1 Type C male to Micro-USB female adaptor.

Length Code  
Adaptor CA3107



### USB 3.1 TYPE C TO VGA ADAPTOR

The USB Type C to VGA adaptor display in up to 1080p HD.

Length Code  
0.1M CA3101



### USB 3.1 TYPE C TO GIGABIT NETWORK ADAPTOR

USB Type C to Gigabit ethernet adaptor.

Length Code  
0.1M CA3105



### USB 3.1 TYPE C TO DISPLAYPORT ADAPTOR

USB Type C to DP adaptor cable lets you connect your MacBook/ ChromeBook to display to your DP-enabled TV or display in up to 1080p at 60Hz or UHD (3840x2160) at 30Hz.

Length Code  
0.1M CA3103



### USB 3.1 TYPE C TO SATA ADAPTOR

The USB Type C to SATA adaptor cable lets you connect directly to your SATA hard drive. USB-C will also supply power via SATA plug.

Length Code  
0.1M CA3106



### USB 3.1 TYPE C TO MINI DISPLAYPORT ADAPTOR

USB Type C Male To Mini Displayport Female at resolution up to 3840x2160p @ 30hz.

Length Code  
0.1M CA3104







## □ USB Adaptors

### USB 2.0 DESKTOP EXTENSION DOCK

#### DESKTOP OUTLET

Weighted USB socket. 1.5M Black

Code

USB108



### USB 3.0 DESKTOP EXTENSION DOCK

#### A MALE TO A FEMALE

1.4M USB 3.0 High speed extension cable with weighted base. Get your USB port on your desktop for easy access.

Code

USB115



### USB GENDER CHANGER

Code

USBAFAF



### USB A/B ADAPTORS

Code

USBAFBM



### USB GENDER ADAPTOR

#### TYPE "A" TO "B"

All Female Sockets

Code

USBAFBF



### PS2 TO USB

To USB "A" Socket Please note: Adaptor only Function may depend on peripherals used and software, etc.

Code

USB203



### USB MALE TO DC POWER CABLE

#### 5V - DC PLUG 5.5mm x 2.1mm

Power output 5V from USB to Negative-Tip plug.  
DC Connector OD: 5.5mmØ  
DC Connector ID: 2.1mm centre

Length

Code

0.6M CA448



### USB 2.0 'A' FEMALE TO MICRO USB MALE

Code

CA1008



### MINI USB FEMALE TO MICRO USB MALE

Code

CA1006



### MINI-USB [5P] TO USB FEMALE

Mini USB 5 Pin Plug (most popular) Adaptor To USB Socket.

Code

CA1003



### APPLE™ LIGHTNING TO MICRO-USB (F) ADAPTOR

POWER AND DATA TRANSFER

Code

AD9074WH



### RIGHT ANGLE MINI USB MALE TO USB AF CABLE

Length

Code

130mm CA960



### MICRO USB "M" TO USB OTG CABLE

Length

Code

130mm CA961



### USB HOST OTG ADAPTOR CABLE

FOR SAMSUNG GALAXY SERIES

Length

Code

120mm CL6500



### USB ADAPTOR LEADS

SEE PREVIOUS PAGES







## USB 3.0 'A' MALE TO 'A' MALE ADAPTOR

Code  
CA1054



## USB 3.0 'A' MALE TO 'A' FEMALE ADAPTOR

Code  
CA1055



## USB 3.0 'A' MALE TO 'A' FEMALE ADAPTOR

Code  
CA1056



## USB 3.0 A FEMALE - B MALE ADAPTOR

Code  
CA1050



## USB 3.0 A FEMALE - A FEMALE ADAPTOR

Code  
CA1051



## USB 3.0 A FEMALE - MICRO B MALE ADAPTOR

Code  
CA1052



## USB 3.0 B FEMALE - MICRO B MALE ADAPTOR

Code  
CA1053



## USB 3.0 'A' MALE TO 'B' MALE ADAPTOR

Code  
CA1057



## USB 3.0 'A' MALE TO MINI 10 PIN 'B' MALE

Code  
CA1058



## USB 3.0 'A' MALE TO MICRO 'B' MALE ADAPTOR

Code  
CA1059



## 2x USB 3.0 'A' MALE TO 20 PIN MOTHER BOARD

Code  
CA1060



## USB TO SERIAL CONVERTER KIT

Supplies with USB to DB9 serial converter and 9 pin to 25pin serial adaptor

Code  
USB232



## USB A/M TO MINI 8PIN SANYO ADAPTOR

Brand Sanyo  
Plug 1 USB  
Plug 2 8 pin  
Code CA1018



## USB A/M TO MINI 8PIN NIKON ADAPTOR

Brand Nikon  
Plug 1 USB 2.0  
Plug 2 8 pin  
Code CA1030



## USB A/M TO MINI 8PIN OLYMPUS ADAPTOR

Brand Olympus  
Plug 1 USB  
Plug 2 8 pin  
Code CA1029



## USB A/M TO MINI 8PIN CANON ADAPTOR

Brand Canon  
Plug 1 USB  
Plug 2 8 pin  
Code CA1031







## Digital Camera Cables

### DIGITAL CAMERA LEADS

Suits connection to USB for media view, transfer and charging.



### USB MINI-4P TYPE "HIROSE"

Mini USB 4 Pin AKA: "HiRose"  
Sony Samsung Adaptor lead To USB Plug "A" USB 2.0 480Mbps

Length	Code
1M	USB2AM



USB-A



USB-MINI4P

### USB-A To Mini USB 4 Pin MITSUMI Male

Brand	Mitsumi
Length	1.8M
Plug 1	USB 2.0
Plug 2	4 pin
Code	CL977



USB-A



USB-MINI4B

### USB-A To 8 Pin Female NIKON

Brand	Nikon	Nikon Coolpix 880/885/990/995, 4300/4500/5000, 5400/5700/8700
Length	1.8M	
Plug 1	USB - A	
Plug 2	USB - MINI8P	
Code	CL984	



USB-A



USB-MINI8P

### USB-A Male To Mini USB 5 Pin B Type Male

Suits	ManyMore Mini-USB Available See previous pages...
Plug 1	USB Plug
Plug 2	Mini-USB
Length	0.5M
Code	CL960-05



USB-A



Mini USB 8P  
Casio

### USB-A To 8 Pin Nikon UC-E6

Brand	Nikon	Coolpix S4, P2, L1, 2200, 3100, 3200, 3700, 4100, 4200, 4800, 5200, 5900, 7600
Length	1.8M	
Plug 1	USB - A	
Plug 2	Mini USB 8F Nikon	
Code	CL985	



USB-A



Mini USB 8P  
Nikon

### USB-A To Mini USB 8 Pin CASIO

Brand	Casio
Length	1.8M
Plug 1	USB 2.0
Plug 2	8 pin
Code	CL979



USB-A



USB-MINI5B

### USB-A To 8 Pin Female Minolta

Brand	Minolta	Minolta DiMage S304/S404/S414
Length	1.8M	
Plug 1	USB - A	
Plug 2	USB - MINI8M	
Code	CL987	



USB-A



USB-MINI8M

### RCAX2 To Mini USB 8 Pin CASIO

Brand	Mitsumi	Audio/Video Lead
Length	1.8M	
Plug 1	RCA - A/V	
Plug 2	USB 8 Pin Casio	
Code	CL980	



RCA - A/V



Mini USB 8P  
Casio

### RCAX2 To 8 Pin Female Minolta

Brand	Minolta	Minolta DiMage S304/S404/S414
Length	1.8M	
Plug 1	RCA - A/V	
Plug 2	USB - MINI8M	
Code	CL988	



RCA - A/V



USB-MINI8M

### USB-A Male To Canon 12 Pin

Brand	Canon	Canon D30/D60/90Pro, IS/G1/G2/S10/S20, S100/S110/S200/S230
Length	1.8M	
Plug 1	USB - A	
Plug 2	12 Pin Canon	
Code	CL982	



USB-A



12 Pin  
Canon

### USB-A To Mini USB 4 Pin TDK

Brand	TDK	TDK 30i/40i/50i 1300/1400/2200/Z, 3800/4900/6900/ A101/S1P, etc..
Length	1.8M	
Plug 1	USB - A	
Plug 2	USB - MINI - TDK	
Code	CL991	



USB-A



USB-MINI-TDK

### USB-A Male To 8 Pin Samsung

Brand	Samsung	Samsung Digimax 430/UCA3/4/401/505, V2/V3/V4/V5/V6/V40, V50/V70/V700/V4000
Length	1.8M	
Plug 1	USB - A	
Plug 2	8 Pin	
Code	CL983	



USB-A



8 Pin  
Samsung

### USB-A To OLYMPUS 12 Pin

Brand	Olympus
Length	1.8M
Plug 1	12 pin
Plug 2	USB 2.0
Code	CL992



USB-A



12 Pin  
Olympus





## Digital Camera Cables

### OLYMPUS

Brand Olympus  
Model Many  
Plug 2 AV  
Code CL994



### SONY AUDIO VIDEO

Brand Sony  
Model S730  
Plug 2 AV  
Code CL857



### SONY AUDIO VIDEO

Brand Sony  
Model W55 W80 W900  
Plug 2 AV  
Code CL865



### SAMSUNG C3 / C8 / L100

Brand Samsung  
Model C3 C8 L100  
Plug 2 USB 2.0  
Code CL850



### SONY T500 W210 W240

Brand Sony  
Model T500 W210 W240  
Plug 2 USB 2.0  
Code CL860



### CASIO EX-S

Brand Casio  
Model EX-S600 S770 EX-Z60  
Plug 2 USB  
Code CL866



### SAMSUNG C3 C8 C10

Brand Samsung  
Model C3 C8 C10  
Plug 2 USB 2.0  
Code CL850



### SONY AUDIO VIDEO

Brand Sony  
Model MD2 T500 TX7C  
Plug 2 AV & USB  
Code CL861



### CASIO AUDIO VIDEO

Brand Casio  
Model EX-S600 S770 EX-Z60  
Plug 2 AV  
Code CL867



### CANON KODAK

Brand Canon Kodak  
Model U8 C140  
Plug 2 USB 2.0  
Code CL854



### SONY MD3 T99C W390

Brand Sony  
Model MD3 T99C W390  
Plug 2 USB 2.0  
Code CL862



### CASIO EX-S EX-Z

Brand Casio  
Model EX-Z600 EX-S770  
Plug 2 USB 2.0  
Code CL858



### SAMSUNG AUDIO VIDEO

Brand Samsung  
Model C3 C8 C10  
Plug 2 AV  
Code CL851



### SONY AUDIO VIDEO

Brand Sony  
Model MD3 T99 W390  
Plug 2 AV & USB  
Code CL863



### CASIO S770

Brand Casio  
Model EX-S600 S770 S880  
Plug 2 AV  
Code CL859



### SAMSUNG C2 NV3 NV5 NV8

Brand Samsung  
Model C2 NV3 NV5 NV8 NV10 NV11  
Plug 2 USB 2.0  
Code CL852



### SONY W50

Brand Sony  
Model W50  
Plug 2 USB 2.0  
Code CL864



### KODAK

Brand Kodak  
Model C140  
Plug 2 AV  
Code CL855



### SAMSUNG AUDIO VIDEO

Brand Samsung  
Model C2 S500 S600  
Plug 2 AV  
Code CL853



### USB MINI-4P TYPE "B" MITSUMI

Brand Mitsumi  
Length 3M  
Plug 2  
Code CL966



### MOBILE PHONE CABLES

Please Enquire...







## Firewire

### FIREWIRE

IEEE 1394 is an interface standard for a serial bus for high-speed communications and isochronous real-time data transfer. It was developed in the late 1980s and early 1990s by Apple, who called it FireWire.



### IEEE-1394A LEAD 6-PIN

6P Male To 6P Male

IEEE 1394 400Mbps  
I.Link VMCIL6615

Length	Code
2.0M	FW661MM
5.0M	FW665MM



### IEEE-1394A LEAD 4-PIN

4P Male To 4P Male

FireWire 400 Connector  
Not powered. IEEE 1394

Length	Code
2.0M	FW442MM
5.0M	FW445MM



### IEEE-1394A ADAPTOR LEAD

4P Male To 6P Male

Adapts FireWire 400  
IEEE-1394 400Mbps  
I.Link VMCIL4615

Length	Code
2.0M	FW642MM
5.0M	FW645MM



### IEEE-1394B LEAD 9-PIN

New! 9P Male To 9P Male

FireWire 800 Connectors  
1394a/b/c 800Mbps 9  
Pin S800 is backward  
compatible

Length	Code
2.0M	FW8302
5.0M	FW8305



### IEEE-1394B ADAPTOR LEAD

New! 9P Male To 6P Male

FireWire 800 Connectors  
1394a/b/c 800Mbps 9 Pin  
to 400Mbps 6 Pin Plug

Length	Code
2.0M	FW8202
5.0M	FW8205



### IEEE-1394B ADAPTOR LEAD

9P Male To 4P Male

FireWire 800 Connectors  
1394a/b/c 800Mbps 9 Pin  
to 400Mbps 4 Pin Plug

Length	Code
2M	FW8102
3M	FW8103
5M	FW8105



### IEEE-1394A RETRACTABLE

ADAPTOR LEAD 6-PIN

6P Male to 6P Male  
Retractable 1.5M Cord  
Includes 2x Adaptors  
for 4P Male add-ons  
Excellent portable

Code  
FW600



### IEEE-1394A BOOSTER

REPEATER INLINE 6-PIN

6 Pin to 6 Pin Sockets Full IEEE-  
1394 400Mbps Self BUS Powered  
booster Allows Video/Data signals  
longer and more stable.

Code  
FW601



### IEEE-1394A PCI BOARD

VideoStudio Software

FireWire 6-Pin 400Mbps 1x Internal  
2x External 1x Mini 4 Pin iLink  
Socket DV Capture & Edit with  
VideoStudio(8) included.

Code  
FW65PCI



### EXPRESS CARD - FIREWIRE

2x 400Mbps

IEEE1394a FireWire 34mm  
ExpressCard IEEE1394a  
6-Pin x2 FireWire 400Mbps

Code  
PCIE212







## VGA

### MONITOR CABLE HD15M TO HD15M

Male To Male High Quality cable with noise filter.

Length	Code
0.5M**	CL6399
0.5M	CL6400
1.0M	CL6401
2.0M	CL6402
3.0M	CL6403
5.0M	CL6405
7.5M	CL6407
10M	CL6410
15M	CL6415
20M	CL6420
30M	CL6430
40M	CL6440

#### Economy Version

2M	CL641
3M	CL642



### MONITOR EXTENSION CABLES HD15M TO HD15F

Male To Female High Quality cable with noise filter.

Length	Code
2M	CL6302
3M	CL6303
5M	CL6305
7.5M	CL6307
10M	CL6310
15M	CL6315
20M	CL6320
30M	CL6330
40M	CL6340

#### Economy Version

Length	Code
2M	CL640



### 15 PIN VGA MALE TO MALE

#### STRAIGHT TO RIGHT ANGLE CONNECTOR

High performance VGA cable. Dual noise filter.

Length	Code
1.8M	CL4102
3M	CL4103
5M	CL4105
10M	CL4110



### VGA SPLITTER CABLE

Direct splicing of the SVGA High density 15 pin AKA: Known as a "Y" cable.

Quality may be reduced due to signal loading.  
HD15M to 2x HD15F

Length	Code
150mm	CA215



### KVM EXTENSION CONNECTION

#### HD15 M-F & 2x PS2 M-M

Length	Code
2M	CL3402
5M	CL3405
10M	CL3410

#### HD15 M-F & 2x PS2 M-F

Length	Code
2M	CL3602
5M	CL3605
10M	CL3610



### VGA LOW-LOSS INTERCONNECTS WITH AUDIO

Length	Code
1M	CL6201
2M	CL6202
3M	CL6203
5M	CL6205
7.5M	CL6207
10M	CL6210
15M	CL6215
20M	CL6220
30M	CL6230

#### HD15D & 3.5mm MALE TO MALE

High grade video monitor leads with stereo audio built in for convenient connections to VGA monitors and speakers.







## HD15 RGBVH MONITOR CABLE [5x RCA]

High density 15 pin to 5x RCA plugs.  
Separate RGB & HV Sync. Gold plated. Black cable. Colour coded plugs.

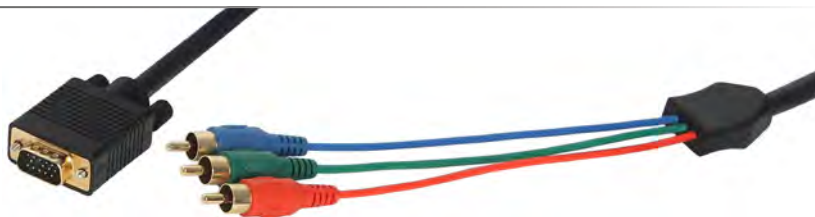
Length	Code
1.8M	CL7202
3.0M	CL7203
5.0M	CL7205



## MONITOR RGB/YUV LEAD [3x RCA]

HD15M To 3x RCA Plugs Separated Video Signals for RGB or YUV Monitors & HDTV Colour coded Gold plated plugs High-Grade Wide-Bandwidth Black Cable

Length	Code
1.8M	CL7102
3.0M	CL7103
5.0M	CL7105



## HD15 RGBVH MONITOR CABLE [5x BNC]

High density 15 pin to 5x BNC plugs. RGB & HV. Sync noise suppressor.

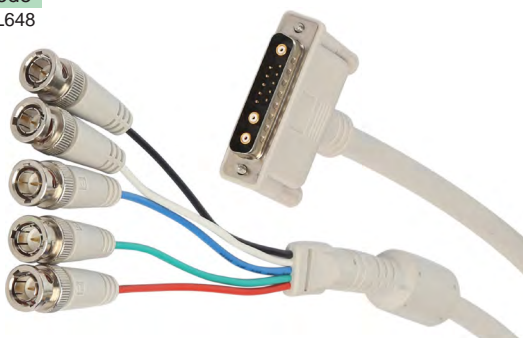
Length	Code
2.0M	CL645



## SUN MICRO SYSTEMS MONITOR TO BNC

13W3P Male Plug (D25 size, 3x coax and 10x pins),  
**13W3P To 5x BNC Plugs, BNC RGBHV**

Length	Code
2M	CL648



## MACINTOSH® II TO PRINCETON ULTRASYNCH MONITOR

Interfaces the Macintosh II computer with the Princeton Ultrasynch monitor.  
DB15 male to DB25 male.

Length	Code
1.8M	CL515



## DVI-A TO VGA ANALOG LEAD

### DVI-A TO VGA ADAPTOR CABLE

DVI is compatible with VGA only if it is DVI-A (Analogue) compliant  
Check with your video card manual to ensure VGA compatibility.

Length	Code
2M	CL6502
5M	CL6505



## VGA TO HDMI

### 1080p WITH AUDIO

- Automatically detects and matches the native resolution of the connected display
- Supports 1080p resolution
- HDMI 1.3 compatible
- Combines and converts VGA and audio signals to HDMI
- Easy installation, Plug and Play

Code
CA416







## □ HDMI VGA USB Converters

### HDMI TO VGA AND AUDIO DECODER CABLE

The cable converts HDMI video and audio signal into VGA and audio. This can be used in a wide range of applications, including allowing a desktop, laptop, mobiles, DVD, or set-top box, etc with a HDMI port and connecting it to a monitor or projector with VGA port.

- Product resolution can be up to 720p/1080i/1080p
- Input: HDMI
- Output: VGA (F) and 3.5mm audio plug
- No external power required

Length	Code
2M	CL5402
3M	CL5403
5M	CL5405



### HDMI TO VGA AND AUDIO DECODER ADAPTOR

This HDMI to VGA converter can be used in Notebook, PC, STB, DVD and other HD devices. It converts HDMI digital video and audio signals into analog outputs.

Input signal: HDMI digital mixed signal,

Output signal: VGA analog signal audio stereo analog signal.

Supported Resolution: 480P / 720P / 1080I / 1080P (automatic).

Compatible with HDMI version 1.3 and HDCP.

Supports plug and play. Bonus right angle adaptor.

A power supply may be required for some devices if the HDMI interface is insufficient to power the converter.

Code
CA419



#### OPTIONAL POWER SUPPLY

Details	Code
Power Pack	SMP1000-5R
Plug(Required)	FSR05

### HDMI / MINI / MICRO TO VGA CONVERTERS

#### WITH ANALOGUE 3.5mm AUDIO OUTPUT

Simply plug n play, no external power supply or driver required. HDMI Input. VGA output with a resolution up to 720p/1080i/1080p. 3.5mm Stereo Audio Output.

Plug	Colour	Code
HDMI	Black	CA415
HDMI	White	MP299A
HDMI	White	MP2990
Mini HDMI	Black	CA417
Micro HDMI	Black	CA418BK
Micro HDMI	White	CA418WH
Micro HDMI*	White	CA459



\*Note: Micro-USB External Power Option

### USB2.0 TO VGA/DVI/HDMI OUT

#### USB TO DIGITAL MONITOR - NO AUDIO

USB Graphics adaptors. Connect an extra monitor to the output of any USB2.0 connector from Windows™ PC & Laptop. Extends desktop to Multiple monitors PnP Up to 1280x1024px USB195 has DVI adaptors.

Type	Code
VGA DVI HDMI	USB195
VGA	USB133



### USB3.0 TO HDMI/DVI

- Expandable up to six displays with additional USB219 units
- Provides one 10/100Mbps Ethernet LAN port
- Complies with IEEE 802.11n, IEEE 802.11g, IEEE 802.11b standards
- Supports SSID broadcast control and MAC access control list
- Support USB 3.0 and 2.0 USB Port
- Support Video Resolution up to 2048x1152px.
- Support XP/ Vista / Win7 / Win8 (32/64bits)

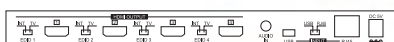
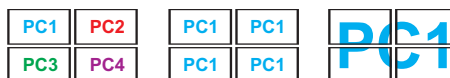
Code
USB219



### USB & ETHERNET TO HDMI X4

Displaying content on up to 4 HDMI displays from through a networked system or directly from PC/Laptop with USB cable. See AV TV SAT Installation Section for details.

Code
CETH-4HDI



### HDMI & DVI SOLUTIONS - HDBaseT

#### SEE SECTION 01 AV TV SAT INSTALL

Extensive range of AV product solutions for converting and distributing Digital Multimedia Signals.



CYPRESS TECHNOLOGY



**SECTION 01 AV TV SAT INSTALL**  
Has our entire range of Cypress HDMI Solutions





## □ DVI

### DVI-D SINGLE LINK MALE TO MALE

#### 28AWG

Length	Code
1M	CL6601
2M	CL6602
3M	CL6603
5M	CL6605

#### 24AWG

Length	Code
5M	CL6606
7.5M	CL6607
10M	CL6610
15M	CL6615



### DVI-D SINGLE LINK MALE TO FEMALE

#### 28AWG

Length	Code
1M	CL7701
2M	CL7702



BUY IN BULK & SAVE ! Purchase 10 or more and save 10%

### DVI-D DUAL LINK MALE TO MALE

#### 28AWG

Length	Code
1M	CL7601
2M	CL7602
3M	CL7603
5M	CL7605

#### 24AWG

Length	Code
7.5M	CL7607
10M	CL7610
15M	CL7615



### DVI-D DUAL LINK MALE TO FEMALE

#### 28AWG

Length	Code
1M	CL7701
2M	CL7702



### DVI-I TO DVI-I DIGITAL LEADS [INTEGRATED]

#### DVI-I DUAL LINK MALE TO MALE 2M

Length	Code
2.0M	CL5102



#### DVI-I DUAL LINK MALE TO FEMALE 2M

Length	Code
2.0M	CL5202

### DVI-D TO HDMI-A

#### DIGITAL VIDEO ADAPTOR LEADS

Length	Code
1M	CL6801
2M	CL6802
3M	CL6803
5M	CL6805
7.5M	CL6807
10M	CL6810
15M	CL6815



PROLINK [WHITE]

Length	Code
2.0M	MP269



ATC Tested  
Noise Ferrites  
Gold Plated

### DVI-A TO VGA ANALOG ADAPTOR LEAD

#### DVI-A TO VGA

DVI is compatible with VGA only if it is DVI-A (Analogue) compliant  
Check with your operating manual Utilises the Star pins shielded

Length	Code
2M	CL6502
5M	CL6505



### DVI-D TO DFP20 DIGITAL ADAPTOR LEAD

#### DVI-D TO DFP20 2M

Code
CL6511



#### DVI-D TO DFP20 5M

Code
CL6515





## DVI GENDER CHANGER

### FEMALE TO FEMALE

All Pins wired DVI-I (A & D)

Code  
CA406



### HDMI TO DVI

#### HDMI MALE TO DVI FEMALE

Code  
CA400



#### DVI MALE TO HDMI FEMALE

Code  
CA401



#### DVI FEMALE TO HDMI FEMALE

Code  
CA458



### DVI MALE TO VGA FEMALE

Code  
CA6502



### DVI FEMALE TO VGA MALE

Code  
CA6503



## DVI SLITTER

### DVI[M] TO 2X DVI[F]

Connect two monitors to the one video source. All pins connected DVI-I & DVI-A.

Code  
CA217



### DVI-A MALE TO 2xVGA FEMALE ADAPTOR

Extracts VGA from DVI-I (Integrated)  
Requires DVI-A (Analogue Out)  
Then splits to 2x VGA HD-15 Females

Code  
CA6504



## LFH59 / DMS59

### LFH59/DMS59 TO DUAL DISPLAYPORT CABLE

Design for DMS59 workstations to connect to multiple DP monitors. This DMS59 cable can connect 2 monitors with DisplayPort leads. Quality molded connectors for reliability and long lifespan.

Code  
CA218



### LFH59/DMS59 TO DUAL DVI SPLITTER ADAPTOR

Design for DMS59 workstations to connect to multiple DVI monitors. This DMS59 cable can connect 2 monitors with a DVI outlet. Quality molded connectors for reliability and long lifespan.

Code  
CA219



## M1-DA / P & D

### M1-DA TO VGA ADAPTOR

#### M1-DA MALE TO VGA FEMALE

15cm adaptor cable allows M1-DA port to connect to VGA analogue output. M1-DA also known as EVC & P&D connectors as used on projectors and some display monitors.

Code  
CA424



### M1-DA TO HDMI ADAPTOR

#### M1-DA MALE TO HDMI FEMALE

M1-DA port to DVI output. M1-DA also known as EVC & P&D connectors commonly used on projectors and some display monitors.

Code  
CA423



### M1-DA TO RCA COMPONENT VIDEO

#### ANALOGUE YUV OUTPUT

Code  
CA422







## HDMI

### 24AWG HDMI AVLINK HIGH GRADE CABLE

#### 24AWG HEAVY-DUTY QUAD SHIELDED CABLE HDMI

Premium grade Hi-End AVLink Low-Loss Cables.  
192 Braided 24AWG. Quad shielded cables 24K Gold Plated connectors in metal plugs. High speed ethernet. Attractively double blister packaged.

Length	Code
0.5M	AVL6900-05
1M	AVL6901
2M	AVL6902
3M	AVL6903
5M	AVL6905
7M	AVL6907
10M	AVL6910
15M	AVL6915
20M	AVL6920



### 24AWG HDMI AVLINK EXTRA-LONG CABLE - WITH INLINE BOOSTER

#### ACTIVE SIGNAL ENHANCER FOR SUPER LONG HDMI - \*\* BEWARE ! DIRECTIONAL \*\*

This amplified cable solution is directional so it is important to install correctly in order for it to transfer image and sound. To achieve reliability over the distance and without losing quality, a booster is included in the cable. High Quality 24K gold plated pins with 2 ferrites. Fully Compliant and supports 4K2K/ ARC/ HEC/ FULL HD.

Length	Code
15M	AVL5915
20M	AVL5920
25M	AVL5925
30M	AVL5930
40M	AVL5940



### 28AWG HDMI PREMIUM GRADE INTERCONNECTS WITH FLAT CABLE

High Speed With Ethernet. HDMI A-Male To A-Male. 24K Gold Plated Pins & Metal Plugs. Premium copper for maximum signal integrity. Innovative Flat Flexible Cable. Hanger bag packaged.

Length	Code
0.5M	CL2000-05
1M	CL2001
2M	CL2002
3M	CL2003
5M	CL2005
7M	CL2007
10M	CL2010



### 30AWG HDMI PREMIUM GRADE TILT LEADS

#### DOUBLE BENDABLE HEADS FOR TIGHT SPOTS

Excellent solution for behind wall mount TVs.  
Black Cable to molded plugs that Tilt & Rotate 180°  
Angle adjusts between 90° to 270° on both planes.  
6.0mm Diam PVC 30 AWG OFC with double shielding  
Gold plated terminal pin contacts. High speed ethernet

Length	Code
1M	CL5601
2M	CL5602
3M	CL5603
5M	CL5605



### 28AWG HDMI HIGH-GRADE

#### EXCELLENT PRICING FROM DAICHI

Hi grade Daichi HDMI Certified. 160 Braiding.  
Gold plated plugs and noise cancelling ferrites.

Length	Code
*0.5M	CL6900-05
1M	CL6901
2M	CL6902
3M	CL6903
5M	CL6905

\*No Ferrites on 0.5M



### 30AWG HDMI HIGH-GRADE

#### GAIN FLEXIBILITY MAINTAIN QUALITY

Excellent value for money cable.  
112 Braiding. Gold plated plugs.  
With noise cancelling ferrites.  
High speed ethernet.  
HDMI "A" Male To Male.

Length	Code
1M	CL5901
2M	CL5902
3M	CL5903
5M	CL5905





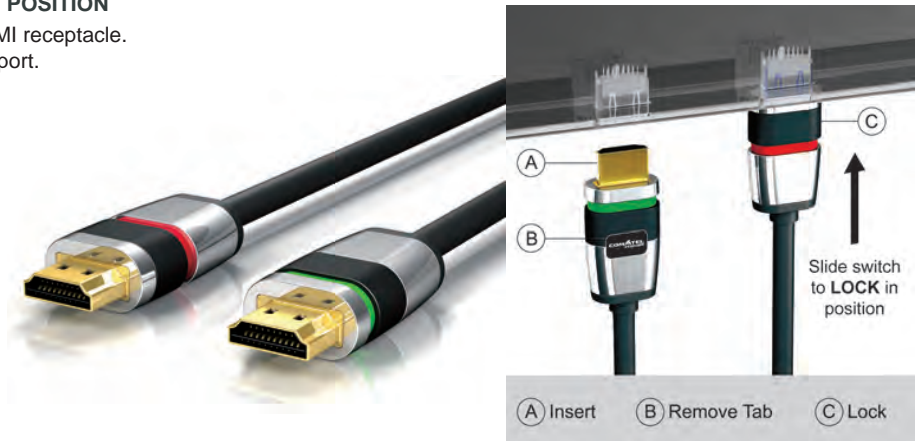


## 30AWG EASYLOCK HDMI LOCKING PLUGS

### KEEP YOUR LEADS SECURELY LOCKED IN POSITION

Locking plugs that are compatible with any HDMI receptacle. Mylar & Al Shielding. 3D 2K/4K (4x 1080p) support.

Length	Packaging	Code
0.5M	Bulk	CL5000-05
1.0M	Bulk	CL5001
1.5M	Bulk	CL50015
2.0M	Bulk	CL5002
3.0M	Bulk	CL5003
5.0M	Bulk	CL5005
7.5M	Bulk	CL50075
10M	Bulk	CL5010



## HDMI SPECIAL PRICED

### BULK

High Speed With Ethernet. HDMI Plugs "A"-Male To "A"-Male Full Copper Conductors plus Gold Plated Pins

Length	AWG	Code
1M	30 AWG	CL5301
2M	30 AWG	CL5302
3M	30 AWG	CL5303
5M	28 AWG	CL5305
7M	28 AWG	CL5307
10M	26 AWG	CL5310
15M	26 AWG	CL5315
20M	24 AWG	CL5320

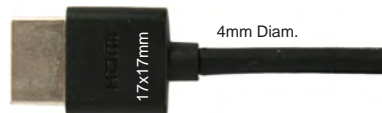


## 36AWG HDMI ULTRA-SLIM

### HIGH SPEED WITH ETHERNET, 3D & 4K FEATURES

4mm extra flexible 36AWG cable construction for low profile slim line connections with high speed digital video, audio and ethernet.

Length	Code
0.5M	CL2100-05
0.75M	CL2100-075
1M	CL2100-1
1.5M	CL2100-1.5
2M	CL2100-2



4mm Diam.



## 30AWG HDMI PROLINK

### WHITE MEDIA-PRO CABLE

High speed with ethernet. Suitable for connection between Blu-ray, PS3 or HD set top box and HDTV. The high speed HDMI cable with HEAC function and supports a resolution of up to 4Kx2K and 3D.

Length	Code
2.0M	MP270



## HDMI CABLE EXTENDERS & BOOSTERS

### INLINE HDMI CABLE REPEATERS / EXTENDERS

Removes "Sparkles". Additional length achieved depends on the quality of cables used. (to achieve "Max")

Description	Max.	Code
HDMI Enhancer	6M/15M	CS-HH
HDMI 4K UHD Enhancer	6M/15M	CPRO-UHH
HDMI Repeater	40M/10M	CP-1269HM
HDMI 4K UHD Repeater	10M/10M	CPRO-11SR



CP-1269HM



CS-HH  
CPRO-UHH



CPRO-11SR





## □ HDMI Adaptors

### MINI-HDMI "C" TO MINI-HDMI "C" CABLE

#### 28AWG HDMI-C MALE TO MALE

Hi grade Daichi HDMI Certified ATC. Gold plated plugs. With noise cancelling ferrites. 160 Braiding.

Length	Code
1M	CL7301
2M	CL7302



### MINI-HDMI "C" TO HDMI "A" CABLE

#### 28AWG HDMI-C MALE TO MALE HDMI

Hi grade Daichi HDMI Certified ATC with ethernet. Gold plated plugs. 160 Braiding. With noise cancelling ferrites.

Length	Code
1M	CL7401
2M	CL7402
3M	CL7403
5M	CL7405



### MINI-HDMI "C" TO HDMI "A" CABLE

1.5M 36AWG HDMI A Male to Mini C Male. Supports HDTV resolutions up to 1080p. 24k gold contact Turbine connectors provide greater contact pressure for maximum signal transfer.

Length	Code
1.5M	CL74015



## □ MHL

### MHL MICRO USB TO HDMI CABLE

#### SUITS SAMSUNG GALAXY & NOTE

Connect an advanced Samsung Galaxy or Note with MHL output to HDMI socket output. Mirror the audio/video content of the cell phone up to a resolution of 1080p. White 15cm.

Suit	Type	Code
S4 S5 & Note 3+	MHL2.0	MP235



### MICRO-HDMI "D" TO HDMI "A" CABLE

Suitable for connection between a smart phone which has HDMI output and HDTV. Transmit the audio and video contents from a smart phone to HDTV with high resolution up to 1080p.

Length	Code
2.0M	MP290



### MICRO-HDMI "D" TO HDMI "A" CABLE

#### 2.8x6.4mm HDMI-D

As used with mobile hand held devices, etc. High speed ethernet.

Length	Code
1M	CL5501
1.5M	CL55015
1.8M	CL55018
2M	CL5502
3M	CL5503



### MICRO-HDMI "D" TO HDMI COILED CABLE

Gold plated Version 1.4 Micro HDMI to HDMI converter cable. Coiled cable, easy to carry. The normal length is ~60cm, but can be extended to 2m. Support Full HD 1080P, 3D and Ethernet. Suitable for connecting mobile devices to HDMI displays.

Length	Code
2M (Fully extended)	CL5502C



### MICRO HDMI-M TO HDMI-F ADAPTOR CABLE

Micro HDMI Male to HDMI female adaptor cable, 17cm With Gold-plated connector plug contacts

Length	Colour	Code
17cm	Black	CL5500F



### HDMI TO HDMI-A/B/C MULTI-CABLE

#### WITH MINI HDMI AND MICRO HDMI ADAPTORS

Connect computers, game console, mobile devices to a monitor, TV or projector with this 1.5m HDMI cable. Supplies with Mini HDMI and Micro HDMI for greater compatibility with different type of devices.

Length	Code
1.5M	CL54115



### HDMI TO HDMI-A/B/C MULTI-CABLE RETRACTABLE

#### WITH ADAPTORS

High speed 3D with ethernet over HDMI. HDMI-A Male to HDMI-A Male comes with HDMI D-Male to HDMI A-Female adaptor and HDMI C-Male to HDMI A-Female adaptor 1.3 Metre length.

Code
CL54015







## HDMI Adaptors

### HDMI FEMALE TO HDMI FEMALE

#### STRAIGHT

Gold plated HDMI Full band-width

Code  
CA412



#### RIGHT-ANGLE

Code  
CA411

### HDMI MALE TO HDMI FEMALE - TWISTY

#### BEND & TWIST

Tilts 180° Up and Down Angle.  
Twists 180° Left and Right.  
Solves many tight fit problems.  
Quality low loss. Gold plated.  
HDMI-A Male to Female.

Code  
CA414



### HDMI MALE TO HDMI FEMALE

#### BEND & TWIST ANGLE

Tilts 180° Up and Down Angle.  
Twists 180° Left and Right.  
Solves many tight fit problems.  
Quality low loss. Gold plated.  
HDMI-A Male to Female

Code  
CA413



### MINI-HDMI "C" MALE TO HDMI FEMALE

#### MINI HDMI

HDMI-A Plug is the Standard sized HDMI HDMI-C Plug is new Mini plug as used in some portable units. HDMI-A Female HDMI-C Male

Code  
CA410



### MINI-HDMI MALE TO MICRO-HDMI FEMALE

Mini HDMI Male to Micro HDMI Female Adaptor. High quality.

Code  
CA466



### MINI-HDMI "C" TO HDMI "A" FEMALE ADAPTOR

The adaptor cable converts one end of a standard HDMI cable to a mini HDMI male. Which allows user to connect their mini HDMI devices to a more commonly available HDMI cable. Gold plated connectors for exceptional video quality.

Length Code  
0.12M CA474



### MICRO-HDMI TO MICRO-HDMI EXTENDER

Micro HDMI Female to Micro HDMI Female Adaptor. Gold plated connector.

Code  
CA465



### HDMI MALE TO MICRO HDMI FEMALE ADAPTOR

Gold Plated HDMI 19 pin Male to Micro HDMI Female adaptor. High quality.

Code  
CA460



### MICRO-HDMI MALE TO HDMI FEMALE ADAPTOR

Gold Plated Micro HDMI Male to 19 pin HDMI Female adaptor.

Code  
CA461



### MICRO-HDMI MALE TO HDMI FEMALE ADAPTOR

#### RIGHT ANGLE

Code  
CA463



### MICRO-HDMI MALE TO HDMI FEMALE ADAPTOR

#### 90° BEND

Micro HDMI Male to HDMI Female connector. Right angle bend. Gold-plated connector plug enables low signal loss.

Code  
CA464



### MICRO-HDMI MALE TO HDMI FEMALE ADAPTOR

#### 180° SWIVEL

This 180° swivel design is ideal for connecting your HDTV when there is very little room at the back of the TV set. Plug and Play, stable signal transmission.

Code  
CA462



### MICRO-HDMI TO HDMI CABLE ADAPTOR

#### WITH 90° BEND MICRO HDMI MALE CONNECTOR

Type	Length	Code
Left Bend	170mm	CA467
Right Bend	170mm	CA468







## □ Mini-DVI

### MINI-DVI TO VGA

Code  
CA425



### MINI-DVI TO DVI

Code  
CA426



### MINI-DVI TO HDMI

Code  
CA428



### MINI-DVI TO DVI & HDMI

Code  
CA427



## APPLE™ 30-PIN DIGITAL AV ADAPTOR

Stream video and images from your Apple® device to a HDTV. Suitable for iPhone® 4 & 4S / iPad® 2 / iPad® / iPod® 4, support MacOS® version 5.1 or 5.1. Max Resolution: 1920 x 1200. Power from the mobile device or power an optional charger (3.3V 150mA (max)) through the micro USB socket.

Code  
CA9006



## APPLE™ 30 PIN DOCK CONNECTOR TO HDMI

This HDMI cable is ideal for connecting iPad1/iPad2/iPad3/iPhone4/iPhone4S/iPod® Touch 4 to a HD TV, monitor, projector or other HDMI displays. 1.5M

Code  
MDC9014



## APPLE™ CONNECTION SOLUTIONS

Range expanding as further Lightning solutions become available. See our website or <http://www.cellink.com.au>



Lightning Plug Solutions

## □ Apple® 30 Pin To AV

### iPOD iPHONE iPAD™ DOCK TO HDMI & USB

30 Pin Docking Plug to USB & HDMI Sockets. Tested iPad® compatible, may not suit iPod®.

Code  
MDC9006



### iPOD iPHONE iPAD™ DOCKING STATION

30 Pin type docking plug suits iPad®, iPhone® and iPod® with computer, Stereo and/or HDTV in style. New Italian design Apple® approved docking station with IR remote control. Outputs to USB for Data, 3.5mm for Audio & Video and HDMI for Digital TV (Compatibility depends on Apple® device).

Details	Code
Noontec with remote control	MDC9031
Noontec with Bluetooth	MDC9035



### iPOD iPHONE iPAD™ DOCK TO VGA

#### IPHONE 3/3GS/4/4S iPAD 1/2/3

Short cord break-out lead.

Output	Code
VGA	MDC9061
VGA + Audio	MDC9062



### iPOD iPHONE iPAD™ DOCK TO AUDIO & VIDEO

3x RCA Audio Video Output for connection to TV Analogue inputs.

OEM	Code
Compatible	MDC9004WH



## APPLE™ 30 PIN DOCK TO AV & USB

30 Pin Docking plug to 3x RCA (Stereo Audio + Composite Video) and USB (Data & Charging). Suitable for screening video from your Apple® mobile device to a TV monitor. 1.5M Apple approved product in deluxe packaging.

Type	Code
Lead	APL35
Adaptor + Lead	APL40



## APPLE™ DOCK CONNECTION KIT

Connects to iPod, iPad, iPhone via 30 pin Docking plug. Accepts MS DUO, MMC, M2, T-Flash and SD Cards. Also has a USB Socket for Connecting a Digital Camera or USB Keyboard.

Code  
MDC9007







## □ DisplayPort

### DISPLAYPORT CABLE

DisplayPort Cable M - M

Length	Code
1M	CL8101
2M	CL8102
3M	CL8103
5M	CL8105
7.5M	CL8107
10M	CL8110



### DISPLAYPORT TO DISPLAYPORT

DisplayPort Plug to DisplayPort Plug.  
Prolink packaged series.

Length	Code
2.0M	MP379



### DISPLAYPORT EXTENSION CABLE

DisplayPort Male to  
DisplayPort Female  
extension cable

Length	Code
0.2M	CL81102
1.5M	CL81115



### DISPLAYPORT SPLITTER CABLE

Allows two DisplayPort enabled monitors to be connected to one DisplayPort output. It can mirror image on both monitors. But It does not allow extended desktop display. 30cm overall length.

Length	Code
0.3M	CA434



### DISPLAYPORT TO HDMI ADAPTOR

Type	Code
Passive	CA436
Active	CDPH-1P



### DISPLAYPORT TO MALE HDMI CABLE

DisplayPort to HDMI unidirectional cable, this cable allows you to connect from a source with DisplayPort interface to a HDMI output device, such as a monitor, TV, or protector.

Length	Code
1.0M	CL8301
1.5M	CL83015
2.0M	CL8302
2.0M	MP306
3.0M	CL8303
5.0M	CL8305



### DISPLAYPORT TO HDMI SOCKET ADAPTOR

Connect a DisplayPort interface to a television or display equipped with a standard HDMI. Up to a maximum resolution of 1080p. Both single-mode and dual-mode DisplayPort supported.

Type	Colour	Code
Active	Black	CA451
Passive	White	MP355
Passive	Black	CA443



### DISPLAYPORT TO VGA ADAPTOR

DisplayPort to VGA Adaptor

Length	Type	Colour	Code
0.15M	Installer	Black	CA437
0.15M	Prolink	White	MP354



### DISPLAYPORT TO MALE VGA CABLE

1.8M DisplayPort to VGA unidirectional cable, suitable for connecting from a source with DisplayPort interface to a monitor, or projector with a VGA interface.

Length	Code
1.8M	CL8402
3.0M	CL8403



### DISPLAYPORT TO MALE DVI CABLE

1.8M DisplayPort to DVI unidirectional cable, suitable for connecting from a source with DisplayPort interface to a monitor or other output devices with a DVI outlet.

Length	Code
1.0M	CL8501
1.8M	CL8502
3.0M	CL8503
5.0M	CL8505
10M	CL8510



### DISPLAYPORT TO DVI ADAPTOR

DisplayPort to DVI adaptor

Code
CA435

ACTIVE

Code
CA450



### MINI DISPLAYPORT TO DISPLAYPORT CABLE

Connect your desktop, notebooks and other mobile devices with mini DisplayPort to monitors or TVs with a DisplayPort interface.

Length	Colour	Code
1.0m	White	CL8201
2.0m	White	CL8202
2.0m	Black	CL8202BK
3.0m	White	CL8203



### DISPLAYPORT TO MINI DISPLAYPORT ADAPTOR

Male DisplayPort to female DisplayPort. 20cm or 2M.

Length	Colour	Code
2.0m	White	CL8202F







## Mini Displayport

### MINI DISPLAYPORT TO MINI DISPLAYPORT CABLE

Mini DisplayPort. Macbook® and iMac®.  
2.0M Length.

Bandwidth	Code
1080p	MP394
1600p	CL8602

#### EXTENSION [M-F]

Bandwidth	Code
1600p	CL8602F



### MINI DISPLAYPORT TO HDMI "A" CABLE

Mini DP to HDMI displays in high definition 1080p.  
DP 1.1a 12bit HBR as used with Macbook®, HDTV, etc.  
MP415 supports UHD 4K or HD over 4 multi-streams.

Type	Length	Colour	Code
Prolink	2.0M	White	MP340
Prolink	2.0M	White*	MP415
Installer	0.5M	Black	CL87005
Installer	1.0M	Black	CL8701
Installer	2.0M	Black	CL8702
Installer	3.0M	Black	CL8703



### MINI DISPLAYPORT TO DISPLAYPORT ADAPTOR

#### MINI-DP PLUG TO DISPLAYPORT FEMALE

Mini DisplayPort Plug to DisplayPort  
Socket Adaptor Lead 15cm.

Length	Type	Code
0.15M	Prolink	MP347
0.20M	Installer	CA432

\* Prolink Packaged



### MINI DISPLAYPORT TO DISPLAYPORT SPLITTER

Allows two DisplayPort enabled  
monitors to be connected.  
It can mirror image on both monitors.  
But It does not allow extended  
desktop display. 30cm overall length.

Length	Code
0.3M	CA431



### MINI-DP & DISPLAYPORT MULTI-MONITOR X3

#### DISPLAYPORT X3 - ALL FEMALE 1.1a

Input	Output	Code
1x DisplayPort	3x DisplayPort	CDP-13DPI

#### MINI DISPLAYPORT X3 - ALL FEMALE 1.1a

Input	Output	Code
1x mDP	3x mDP	CMDP-13MDPI



### MINI-DP TO DVI-D OR HDMI OR DP

Mini DisplayPort to Multi  
types; DVI-D or HDMI or DP

Code
CA441



### MINI DISPLAYPORT TO HDMI ADAPTOR

To convert Mini DisplayPort  
signal to HDMI format  
signal, connect MacBook,  
Mac mini and iMac to HDTV.

Type	Code
Prolink	MP352
Installer	CA439



### MINI-DISPLAYPORT TO HDMI - ACTIVE

#### BUFFER CIRCUIT

Active conversion  
Mini-DP V1.1a or V1.2

Bandwidth	Code
1200P	CA453
[V1.2] 4K	CA449



### MINI-DISPLAYPORT TO DVI-D ADAPTOR

#### APPLE® iMAC & MACBOOK

Mini DisplayPort Plug to DVI-Digital Socket  
so as to connect a Digital Video DVI type  
monitor to an Apple® Mini-DisplayPort  
Short length lead 15cm

Type	Code
Installer DVI-I	CA429
Prolink DVI-D	MP350
Active DVI-I	CA452



### MINI-DISPLAYPORT TO DVI LEAD

#### MINI-DP MALE TO DVI-D MALE

Connects Mac® to DVI Monitors.

Length	Code
2.0M	CL8802



### MINI-DISPLAYPORT TO VGA LEAD

#### MINI-DP MALE TO VGA MALE

Connect an analogue monitor to a Mac®.

Length	Code
2.0M	CL8902



### MINI DISPLAYPORT TO VGA HD15F ADAPTOR

Convert Mini DisplayPort to VGA.  
Mac mini, iMac or MacBook, etc.,  
can be connected to devices with  
VGA interface, such as projector  
or HDTV, the video contents from  
Mac can be watched.

Code
MP351







## □ Game Console Accessories

### □ Xbox 360

#### XBOX 360 INTERNET HEADPHONE SET

**TAKE ONLINE GAMING TO ANOTHER LEVEL!**  
Strategize, Communicate, Collaborate, Chat, Command fellow players, team-mates and friends. Enable Game Voice Command features. Adjustable Boom Mic for comfort and to position for best sound quality. Lightweight and Comfortable Construction. Plugs directly into the XBOX 360 Controller.

Code  
XB360-06



#### XBOX 360 AV / S-AV CABLE

S-VHS Video Out for improved Picture Quality. Composite Video Out RCA Stereo Audio Out

Code  
XB360-01



#### XBOX 360 VGA AV CABLE

High Quality XBOX 360 VGA Video Interconnect Cable play Xbox at high resolutions for crisp and sharp graphics whilst delivering improved colour contrast compared to standard AV / S-AV cables. RCA Stereo Audio Out

Code  
XB360-04



#### XBOX 360 HDMI CABLE & AUDIO ADAPTOR

XBOX 360 HDMI Video and Audio Kit. Includes 2M HDMI cable and Optical / RCA Audio Adaptor unit. Audio Adaptor allows for audio output using optical digital connection or RCA audio instead of having audio run through the HDMI cable.

Code  
XB360-07



#### XBOX 360 AV / S-AV CABLE WITH OPTICAL

##### SUPER-VIDEO CONNECT

S-VHS Video Out for improved Picture Quality. Composite Video Out RCA Stereo Audio Out and Optical Digital for superior multi-channel surround sound.

Code  
XB360-02



#### XBOX 360 COMPONENT VIDEO CABLE

Xbox 360 Component Video Cable. Improved colour and contrast reproduction compared to standard AV / S-AV cables. 3x RCA Video + 2x RCA Audio output.

Code  
XB360-03



### □ Xbox

#### XBOX TV RF CONVERTER

Plug your Xbox into an older TV and tune it in to CH3 or CH4. Plugs in-line with existing antenna. 1.2M cable.

Code  
XB0107



#### XBOX AV ADAPTOR

##### STEREO AUDIO OUT COMPOSITE VIDEO & S-VHS VIDEO OUT

2 Metre lead to 3 RCA plugs and one S-VHS plug.

Code  
XB0103



#### STEREO AV SWITCH - LOOSE STYLE

##### VIDEO & STEREO AUDIO

Select switch between Three/ Four A/V sources quickly and easily. Loose style for direct in-line connections. CVBS+SV has a single S-Video Connection. Includes 3x RCA 1.2M Cable.

Switch	Type	Code
3 Way	CVBS	TP168
3 Way	CVBS+SV	AV31HS
4 Way	CVBS+SV	TP178



#### XBOX LASER SPARE PART

NOT a user serviceable part. OEM Laser only. No assembly. Connects via ribbon wire. Twin laser CD/DVD. OEM. Japan. Not all Xbox use the same unit Check part numbers before purchase

##### EARLY XBOX OEM

Code  
SOH-D16S







## Xbox

### XBOX RACING WHEEL

Comfortable soft grip handles and Vibration feedback enhances your driving simulation. Includes dual pedals for acceleration and braking. Built on Memory Card insert for game saves. Precision wheel, Easy-reach buttons with shift pedals on the back of the wheel. The base is small with 4 strong suction cups to hold down the wheel for greater control. No power packs or batteries required, very simple installation. Get the most out of your games with this wheel.

Code

XBO110



### XBOX WIRELESS STEERING WHEEL

#### DRIVE-BY-WIRELESS !

The ultimate driving experience, now comes wireless! New lap attachments puts you closer to the driving action, allowing you to steer from the comfort of your favorite lounge chair. Can also be played on a table, held down by strong suction cups. Wireless Freedom means no cable to connect to your XBOX any more. Built-In Vibration Force Feed Back makes the experience even more enthralling.

Code

XBO450



### XBOX TRIDENT GAMEPAD

#### RUBBER HAND GRIPS & FULLY PROGRAMMABLE

Full Dual Analogue Controller. Increased comfort and better controller handling with rubber grips. Faster gameplay. Macro programmable. Dual Shock with Rumble Sensitivity Switch.

Code

AXBC101







## PS2, PS1, PSX

### PS1 & PS2 DOUBLE-SHOCK 3D CONTROLLER

Vibration force feedback compatible. 14 Button plus 8 way thumb pad and Two Analogue Joysticks. Replacement for Playstation pad. Rubber thumb knobs. Large grip handles. Trigger buttons. Turbo and Slow.

Colour	Code
Grey	GM202GY
Black	GM202BK



### PS2 STARTER KIT

Blister packed with 3 items. A Dual-Shock / Dual-Analogue deluxe control pad, also a Learning Universal DVD Remote Control that can be used with almost any other remote control equipment. Plus a 2M extension Cable.

Code
PS2KIT



### PS1 & PS2 RF CONVERTER

Auto antenna switching type for connection to the TV via the Antenna input.

PlayStation® (X, 1 & 2)

Type	Code
CH3/4	PSM555



### PS2 CAR POWER ADAPTOR

#### 12V CAR CHARGER

Play on the move! Plugs into your vehicles accessory outlet for 12Vdc

Code
ELI-PS2



### PSX & PS1 / PS2 MEMORY CARDS

#### STANDARD 1M CARD

1 page of 15 blocks. Non-compressed type.

Code
PS1M

#### COMPRESSED TYPE

Gives you 3 to 4 Pages.

Code
PS8M



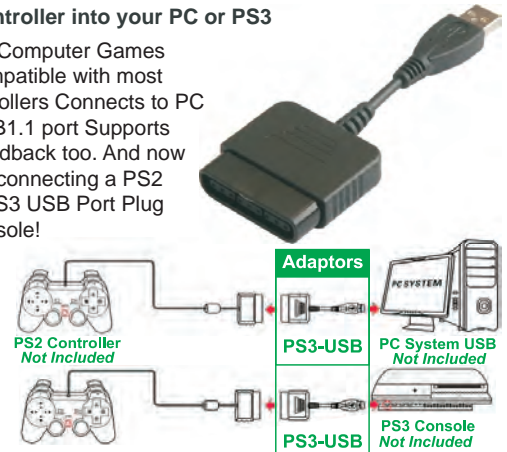
## PS3

### PS3 CONSOLE GAME PAD TO USB ADAPTOR

#### Plug a PS-II Controller into your PC or PS3

Ideal for playing Computer Games on your PC. Compatible with most Playstation controllers. Connects to PC via standard USB1.1 port. Supports DirectX force feedback too. And now also suitable for connecting a PS2 Controller to a PS3 USB Port Plug into the new console!

Code
PS3USB



### PS3 CONTROLLER BATTERY

#### DIRECT REPLACEMENT

Rechargeable Internal Battery Li-Ion 3.7V 1200mAh Hi-Capacity

Code
PS3BAT



## Playstation AV Cables

### PS1 & PS2 AV ADAPTOR LEAD

1.8M AV break-out lead. Suits PSX, PSone & PS-II. Stereo Audio, Video.

**COMPOSITE**

#### WITH VIDEO LINE-BREAK

Suits Optional Gun In-Line connection. See previous pages

Code
PS205



### PS2 AV ADAPTOR LEAD

1.8M AV break-out lead. **COMPONENT VIDEO (3x RCA)** For PS-II (DVD) ONLY! Maximise picture quality. 2x RCA Stereo Audio + 3x RCA (RGB) Video.

Code
PS914



### PLAYSTATION® POWER LEAD

Common figure eight 1.8M power lead.

Code
ACL104-18







## □ Spare Parts

### PLAYSTATION® PS-II SLIM LASER

Code  
PVR802



### PLAYSTATION® PSX LASERS KSM440

#### SHORT RIBBON

Code  
KSM440ACM

#### MEDIUM RIBBON

Code  
KSM440AEM

#### LONG RIBBON

Code  
KSM440ADM



#### PSone LASER

Code  
KSM440BAM

#### LASER & MOTOR, ETC.

### SONY LASER ASSEMBLIES

#### SECTION SERVICE & REPAIR



### PLAYSTATION® PS-II REPAIR PARTS

Common fault is recognised by the symptom of the CD tray no longer opening. SMD Chips. No Warranty.

Code  
BA5815FM



#### CD/DVD Motor Drive IC.

Code  
LA6508

### PLAYSTATION® PS-II POWER SUPPLY

#### PS-II

Replacement board Complete

Code  
PSM2000



### PLAYSTATION® PSX/PSone MOTOR

Code  
RF300-21



### PLAYSTATION® PSX/PSone SPINDLE

Push-on Disk holder.  
Snap-lock type.

Code  
SPD440



## □ PSP

### UNIVERSAL SOFT POUCH

#### SUITABLE FOR PSP

Size  
165x90x5mm

Code  
PSP-POU



### PSP STARTERS KIT

#### THE ESSENTIALS PACK

Great practical gift idea or just for functionality. Kit includes 6 items: Protective Screen Membrane Light & Magnifier assembly Low-Profile Protective Case Car Accessories Charger Earphone in wind-up case

Code  
PSP-KIT06



### PSP DESKTOP STAND & CHARGER

The Desktop stand Supports and holds your PSP upright for viewing, accessibility and storing. Built-in charging facility to keep PSP always powered and fully charged using the Original PSP Power Pack. Blue power status Light. Ideal for watching movies.



PSP NOT INCLUDED

Code  
PSP-DTS



CHARGER SOCKET

### PSP USB CONNECTIVITY

#### PLUGS YOUR PSP INTO YOUR PC

Connect your PSP to PC via USB. Enables you to download Mp3's, Videos, Pictures, Game Saves, Updates etc. USB to Mini-USB.

#### USB CABLE WITH CHARGER

Code  
APY89275



### PSP POWER CAR POWER ADAPTOR

#### 12V CAR CHARGER

Play on the move!  
Plugs into your vehicles accessory outlet for non-stop action and charging.

Code  
ELI-PSP



### PSP POWER ADAPTOR

#### 240V AC CHARGER

Replacement Powerpack Mains Supply for your PSP. Compact Switch-Mode Design.

Code  
DCA-PSP







## □ Nintendo Wii

### Wii REPLACEMENT SENSOR BAR

#### WIRELESS OR WIRED VERSIONS

Replace original sensor bar with wired version using a lead or wireless for more installation options, plus easily portable. Effective range is 12 metres 7M from Unit & 5M to controller. Compact 15x25x240mm Bar. (Requires "AAA" x2 Batteries).



WIRED or WIRELESS

Description	Code
Wireless	NW105
2M Cable	NW108



OPTIONAL LEAD

### Wii SILICON CONTROLLER CASE

High quality protective silicon case for Nintendo Wii remote control. Extra comfort and protects controller from minor bumps and drops. Original Style.

Code
NW107



### Wii COMPONENT AV CABLE

#### HI-DEF CONNECT

Suits Wii Consoles  
Supports 720p & 1080i  
Suit LCD Plasma HDTV  
3x RCA Video Output  
2x RCA Audio Output

Code
NW102



## □ Nintendo DS Accessories

### NDS-LITE PEN

STYLUS PACK  
Pair of pointers

Colour	Code
White	DSL102WH
Blue	DSL102BL



### DSi-XL STYLUS PEN

Replacement stylus of DSi XL and also comes with one larger touch pen for extra comfort.

Type	Code
NDSI-XL	STY103



### DS SERIES SCREEN PROTECTOR

Screen protector sticks onto your DS consoles LCD screen to help prevent against scratches, dirt & reduces glare in direct light.

Type	Code
NDS-I	SCG100
NDS-Lite	SCG101
NDSI-XL	SCG103



### Wii AV CABLE WITH S-VIDEO

#### SUPER-VIDEO CONNECT

Suits Wii Consoles Supports  
Composite Standard 1x RCA  
Video and S-Video (MD4P)  
1x 4 Pin S-Video Output  
1x RCA Video Output  
2x RCA Audio Output

Code
NW101



## □ Nintendo Power

### CAR CHARGERS

#### REPLACEMENT TYPE

Switch-Mode Efficiency  
Car Accessories Plug.

### GBA-SP & DS

Code
ASP1002

### DS-LITE

Code
ELIGB100

### GB-MICRO

Code
ELIGB101



### POWER-PACK CHARGERS

#### REPLACEMENT TYPE

Switch-Mode Efficiency 5W  
100-240Vac Travel Charger

### GB-MICRO

Code
DCA-GB101

### DS-LITE

Code
DCAGB100

### NES & SNES

Nintendo Entertainment  
System 1987+  
9Vac 2000mA Plug 2.5

Code
DCA-GB103







## Game Console Batteries

### BATTERY - GAMEBOY ADVANCE SP

Nintendo Replacement  
Lithium Ion Battery

OEM AGS003  
Volts 3.7V  
Power 800mAh  
Code RBG01



### BATTERY - PSP SLIM/LITE

SONY REPLACEMENT

Lithium Ion Battery  
Sony PSP-Slim & Lite

Volts 3.7V  
Power 1200mAh  
Code RBG08



### BATTERY - GAMEBOY MICRO

Nintendo Replacement Lithium Ion Battery

OEM OXY003  
Type Lilon  
Size 25x7x37mm  
Volts 3.8V  
Power 600mAh  
Code RBG04



### BATTERY - PSP

SONY REPLACEMENT

Lithium Ion Battery 40g  
Sony PSP-1000 models

Type 36x13x57mm  
Volts 3.6V  
Power 2200mAh  
Code PSP110



### BATTERY - NINTENDO DS

Nintendo Replacement Lithium Ion Battery

OEM NTR001  
Type Lilon  
Size 31x6x53mm  
Volts 3.7V  
Power 850mAh  
Code RBG03



### BATTERY - PS3 CONTROLLER

SONY BATTERY

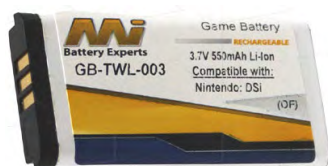
Lithium Ion Battery  
Sony PlayStation III

Volts 3.6V  
Power 1200mAh  
Code PS3BAT



### BATTERY - NINTENDO DSi

Volts 3.7V  
Power 550mAh  
Code RBG05



### BATTERY - X-BOX RECHARGEABLE

BATTERY PACK W/ CHARGER

Replaces standard AA's  
with a rechargeable pack.  
Includes a lead that with  
both charge and also  
allow use of the controller  
while powering.

Type NiMH  
Power 3600mAh  
Code RBG12



### BATTERY - NINTENDO DSi XL

OEM UTL-003  
Volts 3.7V  
Power 900mAh  
Code RBG16



### RECHARGEABLE BATTERIES

SECTION POWER & LIGHTING





# Security & Surveillance



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# Security & Surveillance

## Alarm Security

### Alarm Wireless 2020

#### WIRELESS ALARM 2020 KIT #1

##### WATCHGUARD 2020

The Watchguard 2020™ Wireless Alarm System comes with a sleek modern design and a user-friendly front panel that is ultra responsive to touch. With a SIM slot that supports 3G and 4G SIM's and networks, it is your best guard against would-be intruders, one that would notify you – via SMS text messages or phone calls – upon detection of intrusion or abnormalities. You can interact with the system directly on the panel, via a paired remote control, a paired RFID tag, its iOS or Android smartphone app, an SMS text message or a phone call. The Watchguard 2020™ Wireless Alarm System works with a wide range of wireless, battery-powered sensors and accessories that are easy to set up and operate, so you can scale up or down the system based on your specific residential or security needs. Up to 50 sensors and accessories can be installed so the possibilities are endless.

- Supports 3G and 4G SIM's and networks
- Interact with system via control panel, remote control, RFID tag, smartphone app, SMS or a phone call
- Internal siren volume 95dB
- Connect up to 50 wireless sensors, 50 RFID tags and 10 remote controls
- Administrator can be advised which user has disarmed the alarm
- Simple arm/disarm via remote or mobile when entering/leaving
- Alert notifications via SMS or phone calls (up to 5 mobile numbers)
- Low-battery notifications from wireless sensors and accessories
- DC12V power supply with backup 3.7V Lithium battery

Included components:

- ALC-CP1 3G/WCDMA Control Panel x 1
- ALC-DC1 Door/Window Contact x 1
- ALC-PIR1: Pet-Immune PIR Motion Detector x 1
- ALC-RC1 Remote Control x2
- ALC-TAG1 RFID Tag x2

##### Code

ALC-PACK1



#### WIRELESS ALARM 2020 KIT #2

##### WATCHGUARD 2020

The Watchguard 2020™ Wireless WiFi Alarm System comes with a sleek modern design and a user-friendly front panel that supports WiFi networks. It will notify you via the smartphone app upon detection of intrusion or abnormalities. You can interact with the system via a paired remote control or its user friendly iOS or Android smartphone app. The Watchguard 2020™ Wireless WiFi Alarm System works with a wide range of wireless, battery-powered sensors and accessories that are easy to set up and operate, so you can scale up or down the system based on your specific residential or security needs. Up to 30 sensors and accessories can be installed.

- Anti-intruder security system for residences, Small offices and shops
- Ready to go as soon as it is connected to your WiFi router
- Add and remove wireless accessories such as door/window contacts, smart plugs, sirens, motion/flood/gas/smoke detectors via smartphone app
- Adjust 85dB siren volume and time as well as exit and entry delays
- Connect up to 30 wireless sensors and 10 remote controls
- When alarmed the system will send you push notifications, in real-time
- DC12V power supply with 3.7V Lithium backup battery

Includes:

- ALC-CP2 Control Panel x 1
- ALC-PIR1 Pet-immune PIR Motion Detector x 1
- ALC-DC1 Door/ Window Contact x 1
- ALC-RC1 Remote Control x 2

##### Code

ALC-PACK2







## WIRELESS ALARM 2020 KEYPAD

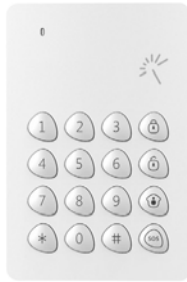
### WITH OPTIONAL RFID ACCESS\*

The ALC-KP1 keypad connects wirelessly to control panel up to 80m to arm or disarm your security alarm system via code or up to 50 RFID tags. It has delay alarm, emergency call, stay mode, mute mode functions and can be hard-wired to electronic door lock to work as access control system. RFID reader inbuilt compatible with any RFID Tag [ALC-TAG1]

**Code**  
ALC-KP1

### RFID TAG

**Code**  
ALC-TAG1



## WIRELESS ALARM 2020 CAMERA

### STANDALONE WIFI SECURITY CAMERA

- Quick and easy connectivity via WiFi quick link or QR code
- 5-megapixel lens and 720P HD video quality
- High-quality CMOS image sensor
- 110° wide viewing angle
- Smart control via smartphone app
- Records HD video (1280x720)
- Night vision via 10m
- Two-way audio microphone for two-way communication

**Code**  
ALC-CAM1



## WIRELESS ALARM 2020 PIR

### PET IMMUNE MOTION DETECTOR

PIR Motion Detector Pet Immune Detect every movement wirelessly Watchguard 2020™ Compatible Battery operated 2x AA required

**Code**  
ALC-PIR1



## WIRELESS ALARM 2020 PIR CEILING

### WATCHGUARD 2020

PIR Motion Detector Ceiling mount Detect every movement wirelessly Watchguard 2020™ Compatible Battery operated 2x AA required

**Code**  
ALC-PIR2



## WIRELESS ALARM 2020 PIR SOLAR

### RECHARGED BY INBUILT SOLAR PANEL

PIR Motion Detector Solar charged Detect every movement wirelessly Watchguard 2020™ Compatible Solar charged Lithium battery

**Code**  
ALC-PIR4



## WIRELESS ALARM 2020 SMOKE DETECTOR

### WATCHGUARD 2020

Photoelectric smoke detector senses smoke within detector chamber Sends wireless signal to control panel to activate alarm Works as standalone detector with built in 85dB alarm Monitors 20M² area Built-in test button and low battery indicator DC9V power supply 1x (9V battery required)

**Code**  
ALC-SMK1



## DOOR / WINDOW DETECTOR

### REED SWITCH FOR DOOR OR WINDOW

This wireless door/window contact reed switch is perfect for covering all points of entry. It is discreet, stylish and easy to operate, linking back to your Watchguard 2020 wireless alarm panel.

**Code**  
ALC-RSW1

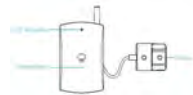


## FLOOD DETECTOR

### WATCHGUARD 2020

- This contact wireless water detector reacts to conductivity when liquid reaches the 2 probes of the detector
- Sends wireless signal to the control panel to activate alarm
- DC1.5V power supply (2x AAA batteries) included

**Code**  
ALC-FLD1



## BREAKAGE DETECTOR

### GLASS BREAKAGE SENSOR

- Glass break detector can detect breaking glass up to 7m
- Pinpoints glass-breaking incidents with a high-precision microphone
- Minimizes false alarms with sophisticated signal processing
- Transmitting up to 100m
- DC12V power supply

**Code**  
ALC-GB1







## WIRELESS ALARM 2020 STROBE & SIREN

### INTEGRATE OR STAND-ALONE

- Wireless indoor siren (90dB) with flashing strobe light
- Can be used as wireless siren by connecting to control panel
- Can work as a standalone alarm system by adding wireless accessories
- Features on/off night lamp (when used as standalone alarm)
- Features entry/exit delay
- AC 100V ~ 240V with rechargeable 3.7V lithium backup battery



Code  
ALC-SIR1

## WIRELESS ALARM 2020 STROBE & SIREN

### WATCHGUARD 2020

- Solar wireless outdoor siren (110dB) with flashing strobe light
- Can be used as wireless siren by connecting to control panel
- Can work as a standalone alarm system by adding wireless accessories
- Adjustable siren volume and duration
- Features inbuild tamper switch
- Built in 3.7V rechargeable lithium solar-power battery



Code  
ALC-SIR2

## WIRELESS ALARM 2020 SIGNAL REPEATER

### WATCHGUARD 2020 RANGE EXTENDER

- Use where wireless alarm devices are used and signals need to be boosted
- Enhances wireless radio signals for longer transmission distances
- Uses secure encryption and decryption technology
- Wireless receiving range up to 90m (in open area)
- Wireless transmitting range up to 300m (in open area)
- Supports up to 40 accessories
- AC 110V-240V with 3.7V lithium backup battery



Code  
ALC-RPT1

## WIRELESS ALARM 2020 PANIC BUTTON

### MOBILE ALERT PENDENT

The Watchguard 2020™ Wireless Panic Button is a flat, elegantly designed emergency pendant with plastic keyring which connects to the Watchguard 2020™ GSM and WiFi alarm control panels. When the button is pressed, the control panel will alarm and the stored alarm numbers will receive SMS or phone call emergency alerts.



Code  
ALC-PNB1



## Alarm Wireless Remote

## UHF CODE HOPPING REMOTE CONTROL MODULE

### 4 CHANNEL WITH TWO KEY-FOBS AND A RECEIVER

Advanced multi-purpose 4-channel UHF receiver / transmitter set with four fully programmable relay outputs (1 amp rating each). Supplied with TWO code hopping, 4 button remote controls with batteries and one compact base unit programmable receiver 110x60x36mm. Terminals are bare wire screw types: Common/NO/NC connections. Add wireless functionality to virtually any alarm panel or device. Up to 200M radio frequency range via line of sight. Each output is programmable, options include; momentary, latched, timed or pulsed. Power supply required 12-14VDC @ 500mA (alarm panels or automotive). Supports detector low battery, supervision & tamper signal outputs. Step by step programming via remote control & indication via LEDs. Utilises secure code hopping remote control technology. Quality product designed in Australia, made in Taiwan. RoHS, CE, etc.

Description	Code
4CH RX & TX Kit	ALM200
Extra Transmitter	ALM200RM



## UHF CODE HOPPING REMOTE CONTROL

### UNIVERSAL 2 CHANNEL WITH TWO KEY-FOBS AND RECEIVER

This product is designed to be simple and easy to install and use. Primarily, this product can be used to remote control your car, garage door, home alarm system, or your electric gate, and more. The unit is supplied with 2, dual button remote controls key-fobs. The remote controls for this unit operate using code hopping security. This technology sends a unique and different code each time any of the remote control buttons are pressed thus preventing unauthorised copying. Various features depend on how you wire the included receiver module. Extra accessories may be required for some of the additional features. 1 second (momentary) negative outputs for each channel 150mA maximum. Separate latched negative output for channel 1 and also LED flashing out. i.e.- Flashes when the button is pressed, stops when it is pressed again. Up to 100m radio frequency range (line of sight). Batteries included. Compact base unit 65x30x12mm requires 12Vdc-14Vdc 500mA power supply.

Description	Code
2CH TX & RX Kit	ALM201
Wireless Entry Keyfob	ALM201REM







## □ Alarm Wireless

### WATCHGUARD WIRELESS ALARM KIT

#### QUICK AND EASY INSTALL

The Watchguard alarm is a complete stand-alone security system, which is ideal for the home or business owner wanting an affordable security system without the labour of hard wired installation. If the alarm is triggered a built-in strobe and siren will sound for 5 min. Included is a bonus screecher siren with 10M of cable to connect to the base unit. This siren generates an intolerable noise to repel intruders from inside the property. Two wireless PIR body heat detectors are included, expandable to an additional 6 units (available separately). Battery life is around 3 years. The range for each zone is 10 metres from the central unit. Arm/disarm by convenient key-fob code-hopping UHF remote controls. The Watchguard is secure, very reliable, economical and extremely easy to install & operate.

- Feature packed 8 zone security system (2 Zones Supplied)
- Easy wireless installation. Portable for transient situations.
- 2 x quality wireless battery operated passive infrared detectors
- 2 x high security code hopping remote controls with lithium batteries
- Emergency panic button function on the remote controls
- 12V 1.2Ah SLA Backup battery & mains power adaptor included
- Powerful external siren with flashing blue strobe
- Same appearance as industry standard alarm systems
- High frequency internal siren to repel intruders

Code  
ALM101



### WATCHGUARD WIRELESS PANIC PENDANT

#### INTEGRATES WITH ALARM

There are a number of situations where an emergency alert button may be required. These can include instances such as an elderly person living alone who may have had a fall or a shop owner who requires a 'hold-up' alarm in case of a robbery. For these purposes, our compact and concealable WPANIC is ideal. It is compatible with the range of Watchguard Wireless Alarm Systems.



Code  
WPANIC

### WATCHGUARD WIRELESS REED SWITCH

#### DOOR & WINDOW DETECTOR

Wireless reed switch designed to provide additional security and detection methods to expand zones for the Watchguard Wireless Alarm Systems. Monitor home access points such as doors and windows. If proximity between the two modules (ie if a door is opened), then the switch will trigger and activate the alarm. Up to 5 years life span from batteries. Tamper Protected Case. Sends Alarm, Supervision, Tamper & Low Battery Signals to base.



Code  
ALM103

### WATCHGUARD WIRELESS KEYPAD ENTRY

#### 4 DIGIT PROGRAMMABLE

Designed to allow greater alarm convenience. A keypad allows you to perform the arm/disarm, home mode and panic functions of your alarm via PIN code.

Code  
ALM105



### WATCHGUARD WIRELESS KEYFOB CONTROL

#### CODE HOPPING SECURITY

Code-hopping UHF wireless remote control to suit the Watchguard series of wireless alarm systems. Supplied with battery.

Code  
ALM201REM



### WATCHGUARD WIRELESS PIR

#### EXPAND WIRELESS ZONES

A high quality infrared body movement sensor designed for use with the Watchguard Wireless Alarm Systems and provides excellent detection sensitivity due to the Dual-Edge® PIR Sensor technology. 12M motion detection range 90° scan. Intelligent Power Saving to extend life of batteries up to 3 years. Selectable sensitivity and pulse count to reduce false triggers. Swivel bracket for easy mounting and adjustment.



Code  
ALM102





## Alarm Hard-Wired

### ALARM SYSTEM MULTI-ZONE HARD-WIRED PROFESSIONAL

#### 8 ZONE EXPANDABLE UP TO 64

If you're looking for complete home or commercial building protection, you require a WGAP864 hard-wired Alarm System. Available in an 8 zone panel that is expandable to 64 zones by using up to 6 external modules available, each with 8 zones. Optional sensors and sirens help protect all areas of your home or building by performing functions such as monitoring rooms and offices for movement, and detecting when doors or windows are opened. This gives you greater peace of mind that your building is secured against thieves, burglars and vandals. The WGAP864 is a versatile, microprocessor-based, fully featured 8/64 Zone alarm panel, which has two partitions. The alarm panel provides immediate notification of burglary, and 24Hr fire, medical & panic conditions. There is a dedicated panic zone, monitored siren output, auxiliary power outputs and five (expandable to 25) programmable outputs that may be programmed to perform various trigger/switching functions.

- 8 zones included
- Expandable to 16 Zones on-board
- Expandable to a total of 64 Zones with external boards.
- Supports up to 8 keypads
- 128 user codes
- 25 fully programmable outputs
- Ability to log up to 1000 events
- 1.5A available onboard power (dual power supply)
- Inbuilt 500mA charger for optimal backup battery management
- IDS's renowned one-button arming
- 3 quick arm modes: Stay, (2) Away and (3) Stay and Go
- 4 stay profiles: Stay, Night Stay, Day Stay, Perimeter
- Supports star or daisy chain modules up to 300 Metres
- Dual and split reporting
- Dynamic battery self-test
- Dedicated panic zone
- Optional tamper per zone
- Separate box tamper zone
- No activity arming
- Recall bypass selected
- Auto arm/disarm per partition
- User-enabled chime and buzz zones
- Programmable loop response time
- Excellent protection against lightning
- Telephone communicator (Remote Optional)
- Optional Voice Recorded Message sending

Includes Alarm Panel in Box  
Includes 1x Keypad (More available)  
Requires 16VAC 1.5A Power & Charging  
Requires ALL connection Cables, etc.  
12V Lead-Acid Battery for Backup (Optional)

Code  
WGAP864

#### WGAP864 ALARM KIT

##### BUNDLED WITH PIR SIRENS & BATTERY

Save time and hassle with this packaged bundle.

- 1x Base Unit 8 Zone
- 1x Control Keypad
- Power supply/charger
- 12V7Ah SLA Backup
- Outside Siren & Strobe
- 3x PIR Sensors
- 2x Surface Reed Switches
- Requires Cable



Code  
WGAP864PACK



#### WGAP864 ACCESSORIES AND OPTIONAL EXTRAS

##### WGAP864 BACKUP BATTERY

12vV 7Ah SLA Battery

Code  
RT1270EF1



##### WGAP864 REPLACEMENT POWER SUPPLY

16Vac 1500mAh Mains Power Pack used for supply and also charging of Optional Backup Battery.

Code  
ACA1615QE



##### WGAP864 KEYPADS

Add extra keypads for additional doors, etc.  
Up to 8 Keypads total.

Code  
WGAPKP16CLCD



##### WGAP864 EXPANSION MODULES

Connects directly to WGAP864 main panel to expand from 8 Zones to 16 Zones.

Code  
WGAP864EXP816



External 8 Zone expander module for up to a total of 64 Zones.

Code  
WGAP864EXP1664



##### WGAP864 TO PC MODULE

Connect to your PC via USB for programming functions into your WGAP864. Standard computer USB with Windows® Software.

Code  
WGAPCABLEUSB



##### WGAP864 VOICE MODULE

The board contains a DMTF decoder chip and a flash memory chip which add telephonic voice interaction to the panel. The user can receive pre-recorded messages or can control the system via the phone by pressing keys on the phone.

Code  
WGAPX64VM







## Alarm Accessories

### ALARM WARNING SIGNS

#### A5 WINDOW STICKER

Rear adhesive Stickers.

Size	Code
100x130mm	ALM223
100x130mm	ALM226



[A5]  
ALM223  
Each



[A5]  
ALM226  
4 Pieces

#### A4 STICKERS x4

2x Rear adhesive for wall mount.

2x Front adhesive for window mount.

Size	Code
210x300mm	ALM221
210x300mm	ALM224



[A4]  
ALM221  
4 Pieces



[A4]  
ALM224  
4 Pieces

#### A3 CCTV SIGN

Single sign corrugated plastic  
Weatherproof and UV resistant

Size	Code
420x300mm	ALM222



[A3]  
ALM222  
Each



[A3]  
ALM227  
Each

#### A3 CORRUGATED PLASTIC

Weatherproof/UV resistant  
plastic warning sign.

Size	Code
420x298mm	ALM227

### SECURITY CABLE COMBINATION LOCK

#### LAPTOP HOOK

Combination lock to equipment tab.  
2 metre reinforced steel lead PVC  
coated. Terminates to a loop.

Code
NBL18



#### PADLOCK TYPE

Rotary Combination lock  
Pad-lock hook style. 2 metre  
reinforced steel lead PVC  
coated. Terminates to a loop.

Code
NBL21



### THE LIGHTS ARE ON BUT NOBODY IS HOME

#### SECURITY ZONE AUTO ILLUMINATION

24Hr/7day 240Vac timer. Mechanical type.

#### 24 HOUR TIMER SWITCH

Turn on or off your appliances  
automatically. This 24 hours timer  
switch allows a maximum of  
48 "ON/OFF" settings every 24  
hours with 15 minute switching  
increments. Double pole switch.

Code
PC627



#### 24 HOUR TIMER SWITCH TWIN PACK

Turn on or off your appliances  
automatically. This 24 hours timer  
switch allows a maximum of 48 "ON/OFF"  
settings every 24 hours with 15 minute  
switching increments. Double pole switch.  
Order one for a pack of 2 timer switches.

Code
PC729



### SECURITY ALARMED PADLOCK

#### SCARE AWAY THIEVES!

This Security Alarm Padlock, when armed, emits a 110dB ear-piercing ultra loud siren when movement or shock is detected, increasing the chances of scaring away thieves and protecting your valuables. The padlock has been manufactured to the highest standards with a stainless steel shackle and hardened zinc alloy body, powder coated providing long-life extra corrosion, water and weather resistance. The versatility of the padlock make it suitable for use in any number of applications, including garden sheds, gates, garages, lock-boxes, bikes, toolboxes, trailers, caravans, lawn mowers and garden machinery. 100x60x30mm. Battery Inc. 3 keys.

Code
ALM211





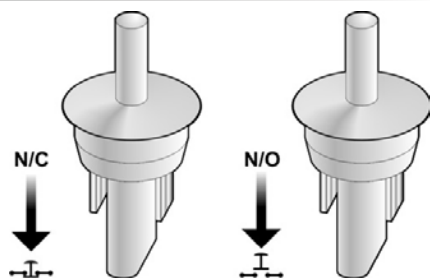


## Alarm Accessories

### TAMPER SWITCHES

#### PUSH SWITCHES

White Plastic  
18.5mm hole  
Momentary  
Push-To-Break  
Normally Closed  
or  
Push-To-Make  
Normally Open



Contact Type	Description	Code
N/C	Normally Closed Push-To-Break	SWP800
N/O	Normally Open Push-To-Make	SWP801

### REED SWITCHES

#### ROLLER DOOR

United Security Products  
Professional grade security  
Made In USA. Cast alloy.  
Suit roller doors, etc. 2.25"  
Gap max. (60mm) 3.5x1.5"  
(90x40mm) base Metal coil  
wire protected Normally  
closed switch

Code  
BP33



#### ROLLER SHUTTER

Normally closed contact,  
the termination contacts

Code  
RDS105



#### FLUSH

United Security Products  
Professional grade security  
Made In USA. Reliability. Suit  
doors and windows. Invisible  
type solution 8mm plug, 20mm  
deep Normally closed switch  
White plastic plugs

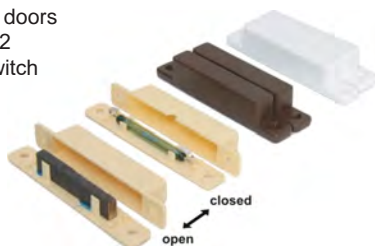
Code  
RSW74



#### CLASSIC STYLE

Magnetic proximity switch Suit doors  
and windows. 90x20x12mm (x2  
pieces) Normally open reed switch  
Requires soldering. Rola®

Colour	Code
White	RSW222
Cream	RSW686
Brown	RSW223



#### N/O & N/C CONTACTS

Normally open and normally closed  
magnetic reed switch.  
3W contact rating 250mA  
Size is body only plus 2x 10mm tags.

Size	Code
35x12x12mm	SW5070
43x13x13mm	SW5071



### LOCK & KEY SWITCHES

#### SP3T BARREL SWITCH

3 Position for  
Arm/Off/Test, etc.  
Single pole switch  
Key hole cover for  
keeping out dust.  
19mm Mounting Hole

Code  
AKS8071

#### CAM-LOCK

Physical key lock  
rotates the flange  
by 90 with key.

Code  
AKL101



### DUAL BUTTON EMERGENCY SWITCH

Dual button activation virtually  
eliminates accidental triggering.  
Push to Close momentary contact  
type. Pre-wired for quick installation.  
Sturdy metal case, wall mount.  
Silver-plated SPST contacts  
Rated 1Amp at 25VDC.

Code  
ALM122



### DOOR LOOPS

Armoured stainless steel  
Loop with flush mount  
heads for wire termination  
inside door and frame.

Length	Base	Code
400mm	Plastic	DLW



Length	Base	Code
600mm	Metal	DLB



### SHOCK DETECTOR

Photo Electric Vibration Sensor  
with Adjustable Sensitivity.  
Microprocessor designed  
improved false alarm immunity.  
Tamper Immunity. Alarm  
Indication.

Code  
SHOCKHW







## □ Siren and Strobe

### STROBE

#### 1W BLUE

Compact general purpose Siren alarms, etc.  
Under eave installation. Flush or surface bracket  
Weather proof design 12Vdc 150mA 1W Xenon  
High energy flash 1Hz.

Code  
STL5445



#### 15W AMBER

High power Xenon flash  
Orange coloured alert 24Vdc  
800mA 92x100mm

Code  
STL5435



### FLUSH MOUNT PIEZO SIREN

#### WALL MOUNT

Fits 55mm Mounting Hole  
12Vdc 110dB Siren

Code  
KPE6122



### INDOOR COMPACT PIEZO

45x40x60mm 105dB Black  
Warble tone 1.5K-3.5KHz

Voltage	Code
12Vdc	KPE1200
24Vdc	KPE2400



### 3½" OUTDOOR SIREN

Compact 100x90mmØ  
12Vdc with inbuilt siren  
driver. 115dB single tone.  
Fits KPE5462 Cover.

Code  
KPE6126



### SIREN STROBE UNIT

#### INDOOR ALERT 100dB

Wall mount alarm  
Compact 75x120mm  
Weather resistant  
100dB SPL output Blue  
strobe 1.25Hz Separate  
input for Strobe and  
Siren. 10-14Vdc 280mA

Code  
KPE5415



### SIREN COVER KIT

#### INCLUDES SIREN & STROBE

This product has been specifically designed to save alarm installers time and money. It combines a dual power AC/DC high powered siren, high visibility blue strobe light and tamper switch. It is housed in a moisture and UV resistant attractive industry standard external casing and all cabling is pre-terminated. 190x200x135mm

- No assembly required, saves time & money on installation
- Highly durable, moisture & UV resistant external housing
- Suits all alarm control panels
- Pre-terminated wiring
- High visibility blue strobe
- High volume dual AC & DC Siren
- Tamper Detect Switch
- Includes rear protective cover

Code  
KPE6125



### SIREN COVER

Plastic for a never corrode, never rust outdoor solution.  
White ABS with pre-punched mounting holes and a bracket  
for tamper switch mounting. 120mm Minimum internal.

Code  
KPE5462



## □ Smoke Detectors

### SMOKE DETECTOR

Sensor Type: Infrared Photoelectric Diode.  
Dust and insect proof. White finish.  
Detection Range 20m².  
12Vdc external power.  
Suit alarm systems.  
100Øx53mm

Code  
ALM120



### SMOKE DETECTOR TESTER

Designed for testing Ionisation and Photoelectric type.  
Smoke alarms and detectors. Up to 200 sprays  
100g net. CFC Free. Road transport Only.

Code  
LIFLT711



### PHOTOELECTRIC SMOKE ALARM - CAVIUS

#### WORLD'S SMALLEST SMOKE DETECTOR

Designed in Denmark, the  
super compact photoelectric  
smoke alarm includes a 10  
year long-life battery. It can  
produce a penetrating sound  
at 85dB(A) at 3 metres, a 10  
minute pause option, 30 day  
low battery warning and uses  
the unique "smart clip" ceiling  
mechanism for installation.  
Environmentally friendly.  
Photo-electric sensor.  
Size: 41 x 40mmØ

Code  
SAL003







## PIR Motion Detectors

### PIR WITH PET IMMUNITY

#### TEMPERATURE COMPENSATED

This advanced PIR body heat movement sensor is suitable for indoor use with any alarm control panel. It can detect movement up to 15 meters away at an angle of 90 degrees from the sensor. Automatic temperature compensation to improve performance when the ambient heat level in a room changes. Adjustable pulse count function enables you to select either normal or reduced detection sensitivity levels. 115x65x45mm



Code  
PIR5310

### PIR

#### DUAL BEAM WITH PULSE COUNT

Pulse count (selectable). RFI/EMI noise reduction & temperature compensation. Dual look down detection beam. Simple handyman install. Attractive. Unobtrusive. Tamper switch. 12Vdc Compact 100x60x40mm With vertical range adjustment.



Code  
PIR5314

#### STAND TO SUIT

Wall or corner mount.

Code  
PIR5313



### PIR / MICROWAVE DUAL DETECTOR

#### TEMPERATURE COMPENSATED

This PIR sensor features quad element imaging technology, adjustable microwave and PIR sensitivity settings, pet immunity technology, bi-directional auto temperature compensation and a unique microwave motion sensor module with micro strip patch antenna.



Code  
PIR5320

### PIR WITH GLASS SHOCK DETECTION

#### QUAD SENSOR

The sensor analyses two sequential signals of different frequencies allowing detection of both shock signal and glass breakage preventing false alarms. The detector can be mounted on a wall providing up to 15m movement and 10m glass break coverage, allowing you to protect several windows at once.



Code  
PIR5323

### PIR 360° CEILING MOUNT

This ceiling mounted passive infrared motion detector has a detection range up to 8m (3.6m high) and 360° field of detection. False alarms are prevented with the dual element infrared sensor and auto temperature compensation.



Code  
PIR5321

### DOORWAY ELECTRONIC EYE

IR reflected beam across a doorway (up to 6 metres). Includes the separated alarm buzzer alert unit. Includes 9V power pack.

Size Code  
115x45x80mm DOOR5193

#### ADDITIONAL BUZZER UNITS

Add extra alert extensions 10M connection cord included.

Code  
BUZ5188

#### OPTIONAL TRAFFIC COUNTER

Add a 4 digit counter.

Code  
DOOR5197



### ELECTRONIC EYE - OUTDOOR

#### BEAM SEND AND RECEIVE PAIR

This 100m photoelectric detector uses 4 pulsed infrared beams that are designed to activate an alarm only when 4 beams are simultaneously blocked. The robust IP55 housing of the four photoelectric detectors is designed to provide reliable perimeter security both indoors and out. The transmitters emit invisible infrared beams to the receiver with changing frequencies to protect beams from disturbance.



QTY Code  
Pair ALE-PIRB

### BATTERY OPERATED PIR ZONE ALARM

#### STAND ALONE DOORWAY SENTRY

Compact and easy to install. This Passive Infrared Detector is a totally self contained battery operated informant. Self-standing or wall mount. No-wiring, easy to install. Excellent temporary solution for welcoming visitors with a Gentle chime or constant buzz for intruder detection & alert. Use as a door sentry in shops place in no-go areas at work or to protect children, etc. Requires a 9V battery.



Code  
MA002

## Door Bell

### WIRELESS DOOR CHIME

#### UP TO 60M OPERATING RANGE

- No wiring needed.
- 60M operating range.
- Surface mounted.
- 48 Selectable sound options.
- Volume control option.
- IP44 rated bell push - use outdoors undercover.



Colour Code  
White WC8181







## Look-C 2 Wire Video

### H2 VIDEO DOOR INTERCOM KIT 7"

#### DOOR STATION & 7" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 2-Wire System
- Cable is not included - depends on length required
- H2-91RH Door Station Camera
- A2-27TD Touch Screen 7" Monitor
- PC6 Mains Power Injector

2-WIRE  
VIDEO  
SYSTEM

Description	Code
Camera, Monitor & Power Supply	H227TD91RH

System is expandable with additional monitors, cameras and accessories available.

**KIT**  
DOOR STATION &  
MONITOR TOGETHER

**CABLE**  
Simple Wiring Solution  
Cable Sold Separately



**LOOK-C**  
Door Intercom Systems



### H2 VIDEO DOOR INTERCOM KIT 3.5"

#### DOOR STATION & 3.5" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 2-Wire System
- Cable is not included - depends on length required
- H2-91RH Door Station Camera
- A2-16D 3.5" LCD Monitor
- PC6 Mains Power Injector

2-WIRE  
VIDEO  
SYSTEM

Description	Code
Camera, Monitor & Power Supply	H216D91RH

System is expandable with additional monitors, cameras and accessories available.

**KIT**  
DOOR STATION &  
MONITOR TOGETHER

**CABLE**  
Simple Wiring Solution  
Cable Sold Separately



CABLE TYPE TO SUIT ? - SEE THE FOLLOWING PAGES FOR FURTHER DETAILS OR SECTION 02 CABLES & CONNECTORS FOR TWISTED PAIR

## Look-C 4 Wire Video

### H4 VIDEO DOOR INTERCOM KIT - COMPACT

#### COMPACT DOOR STATION & 7" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 4-Wire System
- Cable is not included - depends on length required
- H4-595 Compact Door Station Camera
- H427DT Wide-Screen 7" Monitor

4-WIRE  
VIDEO  
SYSTEM

Code
H427DT595RH

System is expandable with additional monitors, cameras and accessories available.

**KIT**  
DOOR STATION &  
MONITOR TOGETHER

**CABLE**  
Simple Wiring Solution  
Cable Sold Separately



**LOOK-C**  
Door Intercom Systems



### H4 VIDEO DOOR INTERCOM KIT

#### DOOR STATION & 7" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 4-Wire System
- Cable is not included - depends on length required
- H491RH Door Station Camera
- H427DT Wide-Screen 7" Monitor

4-WIRE  
VIDEO  
SYSTEM

Code
H427DT91RH

System is expandable with additional monitors, cameras and accessories available.

**KIT**  
DOOR STATION &  
MONITOR TOGETHER

**CABLE**  
Simple Wiring Solution  
Cable Sold Separately



**LOOK-C**  
Door Intercom Systems



CABLE TYPE TO SUIT ? - SEE THE FOLLOWING PAGES FOR FURTHER DETAILS OR SECTION 02 CABLES & CONNECTORS FOR TWISTED PAIR





## Look-C 2 Wire Audio

### H2 AUDIO-ONLY INTERCOM

#### DOOR ANSWERING SYSTEM

A basic system comprises a H2-595A Door station with call button and 2 Way audio connections via the H2 2-Wire system to a H2-DJ4. Power is supplied by use of a 24Vdc power pack and a DPS power injector. An EL971 Door Catch can also be used for door entry. All items are sold separately.

**LOOK-C**  
Door Intercom Systems



### H2 WIRE

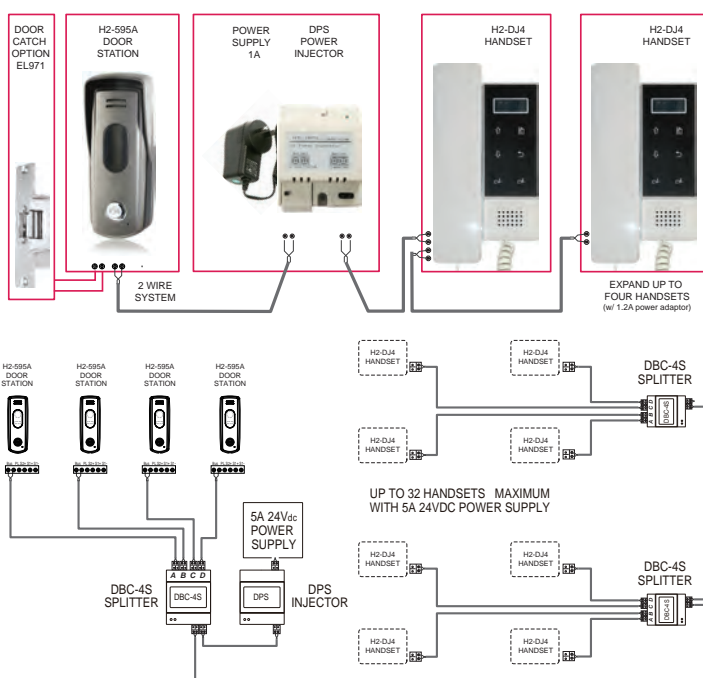
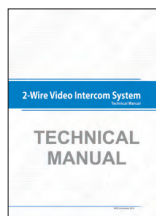
Compatible with Look-C H2 Video Door Intercom System

#### EXPANDABLE SYSTEM

The real value of this system is its expandability into an advanced programmable system of multiple door entry and monitors by use of additional H2 accessories.

See manuals for details

<http://data.wescomponents.com/lookc/>



### H2 AUDIO-ONLY DOOR STATION

- Audio only, no camera.
- 2 Wire compatible.
- Door bell call button.
- Microphone and speaker to converse.
- LED indicators Talk/Unlock.
- Programmable unit ID Code.
- Door strike output optional.
- Metal construction IP55.
- 24Vdc 60/200mA
- 137x49x28mm

Code  
H2-595A



### H2 AUDIO-ONLY HANDSET

- Handset audio only phone intercom & door answer
- Touch sensor button modern style with LED display
- Programmable ring tones for intercom or door station
- 2x door open buttons programmable from 4 doors
- Compatible with all H2 outdoor & Indoor stations
- 24V (25mA/110mA)
- 187x97x33mm

Code  
H2-DJ4



### RAIN HOOD

#### SUIT H2-595A

Outdoor weather resistant rain shield zinc alloy.

Code  
RH595

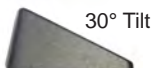


### ANGLE BRACKET

#### SUIT H2-595A

Tilt door station to the left or right 30°. Outdoor weather resistant zinc alloy.

Code  
AB595



### DOOR STRIKE

#### FAIL SECURE

Remote entrance door catch release. Requires separate 12Vdc 500mA power supply to enable a door to be pushed open. Mounts into the frame, replacing the door catch. 150mm Mortise.

Code  
EL971



**MORE DOOR STRIKES AVAILABLE**

### H2 AUDIO-ONLY POWER REQUIRED

#### INJECTOR - DIN MOUNT

Inserts power from a 24V source and inserts it into the twisted pair line.

Code  
DPS



#### POWER PACK 24VDC 6A

As required to power the DPS injector.

Code  
SMP24V6A-25P



### H2 HANDSET SPLITTER

#### FOUR WAY BRANCH

Splits 2-Wire system into Four audio output for handsets. Extra DBC4S can be added to the master line if required.

or

Four video inputs for combining door cameras with door control. DIN Mount.

Code  
DBC-4A







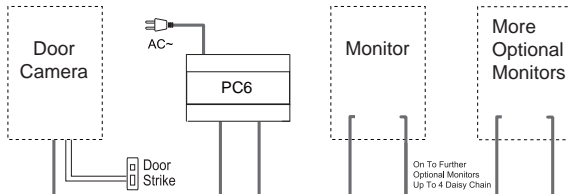
## Look-C 2 Wire Video

### H2 SERIES TWO WIRE DOOR VIDEO INTERCOM SYSTEMS

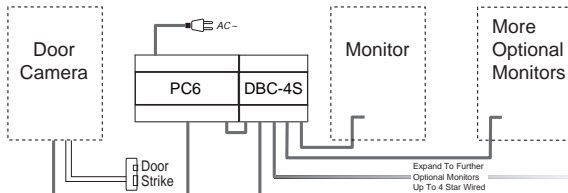
Simplicity in door video installation. Intelligent twin wire system which allows for a quick and economical installation. System setup is easy via the comprehensive yet simple menu system. Modern design and style to suit all modern decors.

- No polarity, twisted pair, easy wire solution. Minimum cable required is two core 28AWG, thicker for greater lengths.
- Use economical Cat5 or any common twin core cable up to 100M. For noisy environments use shielded twisted-pair.
- One common power supply to door stations and monitors.
- Supports 1 to 4 monitors connected in a daisy chain ( loop in, loop out ) for easy installation.
- Can be star wired by the addition of a 4 way splitter ( DBC-4S ).
- Supports 1 door station or can be expanded to support up to 4 door stations by adding a splitter ( DBC-4S )
- System expandable up to a maximum of 16 Monitors and 4 Door Stations by using 5 splitters.
- Door stations can open door latches ( EL971 Optional )

#### Basic wiring mode for loop in / out ( daisy chain ) wiring



#### Basic wiring for star configuration



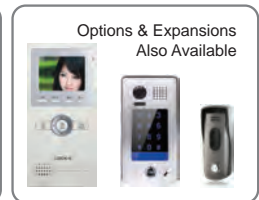
**2-WIRE VIDEO SYSTEM**



Talk between Monitors



Touch Control LCD



### H2 LCD COLOUR 7" VIDEO DOOR MONITOR - TOUCH SCREEN

#### HIGH-RESOLUTION MONITOR WITH TOUCH SCREEN CONTROL

7" Colour Digital TFT Monitor with touch screen menu setup. Low-profile minimalist style in ultra-modern contemporary design. No protruding buttons! Super sleek touch control. Back illuminated. Full colour High resolution TFT LCD 16:9 wide screen 800x480px. Easy Icon GUI menu control for an advanced feature set system.

- Monitor only for system expansion of up to 16 units!
- Digital TFT Screen 7" LCD 840x480px wide-screen
- Touch sensor buttons and GUI screen menu
- Digital Photo Frame Playback feature
- With or Without Power supply: 24Vdc 400mA
- 125x225x28mm

H2-27TD includes the PC6 Power Supply Injector. One PC6 Injector can power up to 4 Monitors. Accepts one Door Station, sold separately. Expansion accessories available. See H2 system.

Details	Code
7" Monitor only	A2-27TD
7" Monitor with PC6 Power supply	H2-27TD



### H2 VIDEO DOOR INTERCOM KIT 7"

#### DOOR STATION & 7" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 2-Wire System
- Cable is not included - depends on length required
- H2-91RH Door Station Camera
- A2-27TD Touch Screen 7" Monitor
- PC6 Mains Power Injector

Description	Code
Camera, Monitor & Power Supply	H227TD91RH

System is expandable with additional monitors, cameras and accessories available.



**KIT**

DOOR STATION &  
MONITOR TOGETHER

**CABLE**

Simple Wiring Solution  
Cable Sold Separately

**LOOK-C**  
Door Intercom Systems





## H2 LCD COLOUR 3.5" VIDEO DOOR INTERCOM H2

### 2-WIRE STATION VERTICAL DESIGN

3.5" Colour Digital TFT Screen 320x240px.  
Compact and slim design to suit any decor.  
White plastic casing with silver surround.  
Modern vertical style, brushed aluminium trim.  
Kit Includes monitor and PC6 powerpack.  
All parts available separately for expansion.

- Entrance Monitoring view
- Auto On with Call button
- Converse with entrance
- Door open control with
- Optional Door Catch
- up to two locks per station
- Intercom between monitors
- Monitors naming function
- GUI Menu system
- Selectable door chime
- Adjustable picture
- Light On (Req. DCU)
- Expand up to 16 units
- 220x110x20mm
- 210mA (on)



**LOOK-C**  
Door Intercom Systems



Details	Code
Monitor w/ PC6	H2-16D
Monitor Only	A2-16D

Note: H216D w/ PC6 refers to the 1.5A power supply and injector required one per system (depending on total power requirements: See DPS option).

## H2 VIDEO DOOR INTERCOM KIT 3.5"

### DOOR STATION & 3.5" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 2-Wire System
- Cable is not included - depends on length required
- H2-91RH Door Station Camera
- A2-16D 3.5" LCD Monitor
- PC6 Mains Power Injector

Description	Code
Camera, Monitor & Power Supply	H216D91RH

System is expandable with additional monitors, cameras and accessories available.

**KIT**

DOOR STATION &  
MONITOR TOGETHER

**CABLE**

Simple Wiring Solution  
Cable Sold Separately



## H2 DOOR ENTRY CAMERA

### IP45 OUTDOOR

High resolution quality CCD sensor in an attractive and stylish zinc-alloy housing.  
LED lit name plate display.  
IP45 weather rating.  
IR LEDs for 0 lux night vision.  
176x90x23mm.  
Requires cable.

Code
H291RH

Requires cable  
and monitors.  
Sold separately.



## H2 DUPLEX CAMERA

### ONE CAMERA TO TWO DWELLINGS

High resolution quality CCD sensor in a heavy duty zinc-alloy video door station.  
Two call buttons with illuminated labels.  
IP45 weather rating.  
IR illuminated for 0 lux night vision.  
176x90x23mm.  
Requires cable.

Code
H292RH

Requires cable  
and monitors.  
Sold separately.



## H2 DOOR ENTRY KEYPAD & CAM

### FOR PASS KEY ENTRY

2-wire system colour outdoor station with touch pad type keypad access control.  
Door bell button and camera plus keypad  
Illuminated keypad and nameplate.  
All zinc-alloy housing & rain hood IP54  
182x93x30mm Surface Mount  
Requires cable.

Code
H2.601KP

Requires cable  
and monitors.  
Sold separately.







## H2 HANDSET AUDIO-ONLY

- Handset audio only phone intercom & door answer
- Touch sensor button modern style with LED display
- Programmable ring tones for intercom or door station
- 2x door open buttons programmable from 4 doors
- Compatible with all H2 outdoor & Indoor stations
- 187x97x33mm 24V (25mA/110mA) 2 Wire system

Code  
H2-DJ4



## H2 POWER SUPPLY WITH INJECTOR PC6

Suitable only for the 2-Wire (H2) systems. Din Rail mount. 26V at 1.5A is enough power for 4 Monitors and Door Stations. 140x90x60mm 100–240Vac input. Hard wired - requires power lead.

Code  
PC6



## H2 POWER INJECTOR DPS

Used when a higher current power supply is required. The DPS injects power into the 2 wire system to allow all of the door stations and monitors to operate from one power source. Din rail mount, or wall mount. Injector only, power supply required.

Code  
DPS

Injector Only.  
Requires Power Supply.  
24Vdc. See SMP24V6A-25P



## POWER SUPPLY OPTIONS FOR DPS

### REQUIRES DPS H2 INJECTOR

2-Wire system is designed to be economical in power. For a single monitor and camera combination the 1A power supply PS6 will suffice. However, it is recommended that if the system is expanded, that using the DBC4 injector and then connect a high current supply. 24V @ 6 Amps. 170x60x40mm

Code  
SMP24V6A-25P



## H2 SPLITTER 4 WAY DBC-4S/A

Required when additional door stations (max 4) or additional monitors (Max 16) are required. One DBC-4S/A is required per 4 monitors. See our website for DBC4S wiring details. DBC4A supplied is an upgrade to the DBC4S

Code  
DBC-4A



## H2 CCTV & CONTROL UNIT DCU

### ANALOGUE VIDEO WITH LOCK OR LIGHT CONTROL

Allows the 2 wire system to be expanded to include up to 2 Analogue cameras. Incorporates Exit button input and control output for door opener or a Light.

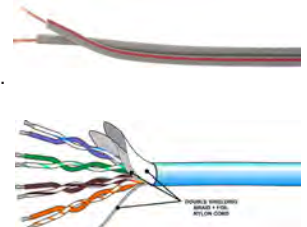
Code  
DCU



## REQUIRES 2-CORE CABLE

### MINIMUM 28AWG TWIN CABLE

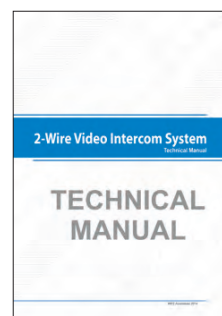
Cable is NOT included. 2 Core Low voltage "Bell wire" is required. eg. Telephone, CAT5 or security cable, etc. will work fine in most installations. For runs up to 100M the most economical solution is CAT5 twisted pair type cable. We have available in assorted lengths from 1 to 305 metres. For electronically noisy environments or to ensure maximum picture quality we have available shielded twisted pair. For a heavy duty solution we recommend our 2 core "Drop Cable".



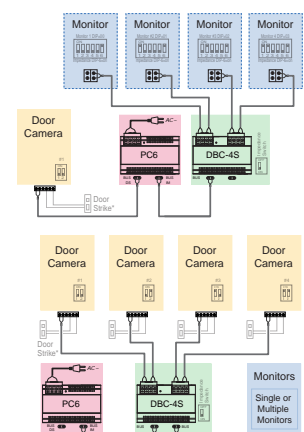
Code  
CAB4822



## EASY WIRING SOLUTIONS MANUAL



Go online for a free download







## Look-C 4 Wire Video

### H4 WIRE DOOR VIDEO INTERCOM SYSTEM

An easy to install digital colour video intercom system. Supplied as individual pieces so as to design your custom system that is expandable with additional items. Suitable for DIY home or office video security solutions. Add a door sentry today for low cost and peace of mind.

- 4 wires (polarised wiring) for a simple one cable setup.
- Cable is not supplied. Order to length required.
- Use common twisted pair (eg. CAT5) up to 100M.
- For long lengths or noisy environments, upgrade cables; use dual coax for audio & video & Fig.8 cable for power.
- Connect 2 Monitors by daisy-chain or up to 4 by splitters
- System is expandable from 1 to 4 door stations or standard CCTV cameras with optional H4MDS switcher.
- Download the new Technical Manual for more information



**4-WIRE VIDEO SYSTEM**

### H4MDS 4-WAY CAMERA SWITCH & DOORWAY CONTROLLER

For more cameras (up to 4) the additional H4MDS is required. H4MDS is also compatible with standard CCTV type cameras.



### 4 CORE CABLE

TESTED WITH CAT5 CABLE FOR UP TO 100 METRES FOR LONGER LENGTHS OR NOISY ENVIRONMENTS, SHIELDED CABLE IS AVAILABLE. PLEASE ENQUIRE



### H4 LCD COLOUR 7" VIDEO DOOR INTERCOM H427DT

#### LOOK-C LOW-PROFILE WIDE-SCREEN

Low-profile 23mm thick, 240x145mm monitor with frame in 2 colours. View full colour high resolution 7" TFT-LCD Screen 1440x234 pixels. Answer 1 or 2 doors via the video intercom (\*up to 4 units w/ H4-MDS) Push-button door opening function (Requires optional door latch) Expandable system up to 4x H427DT monitors & 4 door cameras. Simple 4-wire system (Cable Not Included) up to 100 Metres of CAT5. Attractive & stylish wall mount unit, easy to install, setup and operate. Includes mains power adaptor for monitor (and one or two door stations).

Description	Code
7" Monitor	H427DT

Monitor Only - Requires Door Station Camera.

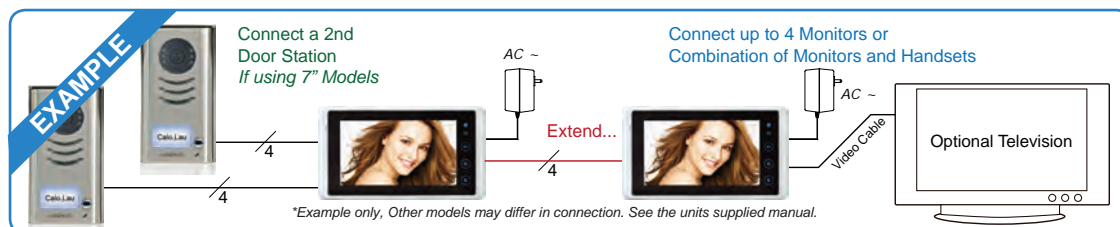
**4-WIRE VIDEO SYSTEM**



**TOUCH SCREEN OSD MENU**

**INTERCOMM (AUDIO ONLY) TALK BETWEEN BASE STATIONS**

**PURCHASE A DOOR MONITOR PURCHASE A DOOR CAMERA REQUIRES CABLE**



This 7" monitor will support one or two door stations. For more camera or door station inputs, see H4QSW Quad Screen or H4MDS Splitter.





## H4 VIDEO DOOR INTERCOM KIT - COMPACT

### COMPACT DOOR STATION & 7" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 4-Wire System
- Cable is not included - depends on length required
- H4-595 Compact Door Station Camera
- H427DT Wide-Screen 7" Monitor

4-WIRE  
VIDEO  
SYSTEM

#### Code

H427DT595RH

System is expandable with additional monitors, cameras and accessories available.



## H4 VIDEO DOOR INTERCOM KIT

### DOOR STATION & 7" MONITOR

- Kit includes what is required for a simple installation
- Convenient and Super Simple 4-Wire System
- Cable is not included - depends on length required
- H491RH Door Station Camera
- H427DT Wide-Screen 7" Monitor

4-WIRE  
VIDEO  
SYSTEM

#### Code

H427DT91RH

System is expandable with additional monitors, cameras and accessories available.



## H4 DOOR CAMERA COMPACT

- Zinc alloy housing attractive design
- Outstanding audio performance
- Wide angle colour CCD Camera
- High resolution Sony ACS 4T DSP
- High white led light for night view
- IP55 protection rated outdoor
- Compact 137x49x28mm
- Available with/without rain cover

### NO RAIN HOOD

Code  
H4-595



### WITH RAIN HOOD

Code  
H4.595RH



### ANGLE BRACKET

Tilts station left or right 30°

Code  
AB595



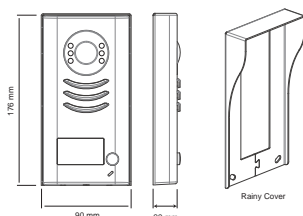
## H4 TAMPER PROOF CAMERA

### IP45 OUTDOOR

Sharp Brand Colour CCD Camera in a heavy-duty outdoor station with rain hood. Attractive and stylish zinc-alloy housing. Strong waterproof & tamper-proof design. Camera's viewing angle is adjustable. Name plate display and white LED lit. IR Illumination for 0 Lux night vision. 176x90x23mm. Code: H4-91RH

#### Code

H491RH



## H4 IP45 CAMERA DUPLEX

### SINGLE CAMERA TO TWO DWELLINGS

IP45 Weather resistant attractive Zinc alloy brushed aluminium styled door station with rain hood. Flush mount. Infrared illuminated. Dual name plate illuminated. Two button door bell push goes to one of two Monitor chains. Single door open control for common door opening solution. 176x90x23mm. Requires cables.

#### Code

H4-92RH



**LOOK-C**  
Door Intercom Systems





## H4 MULTIPLE CAMERA AUTO-SWITCH

### UP TO 4 DOOR CAMERAS

Compatible with "Cycle View". Extends the 4-Wire system to 4 cameras in total. Door strike control compatible. Works with standard video sources too! Connect cameras, CCTV, etc.

Code

H4MDS

4-WIRE  
VIDEO  
SYSTEM



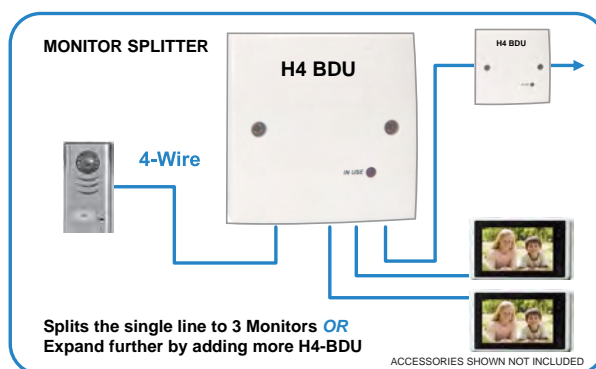
## H4 3-WAY MONITOR WIRING SPLITTER

### AND SIGNAL BOOSTER

4-Wire monitors are usually wired in a daisy chain fashion. If star type branch wiring is required then use this splitter for connecting up to 3 monitors, or 2 monitors and another splitter.

Code

H4BDU



## H4 QUAD SCREEN & CAMERA MODULE ADD-ON

### ALLOWS TO VIEW 4 CAMERAS ON ONE 7" SCREEN

Enables combining 4 door cameras or normal composite cameras into the four wire system as well as also viewing all four cameras on a single screen by way of quad split screen. Quad or single viewing is switched at monitor. Compatible with H427DT/SDD 7" units only.

Code

H4QSW



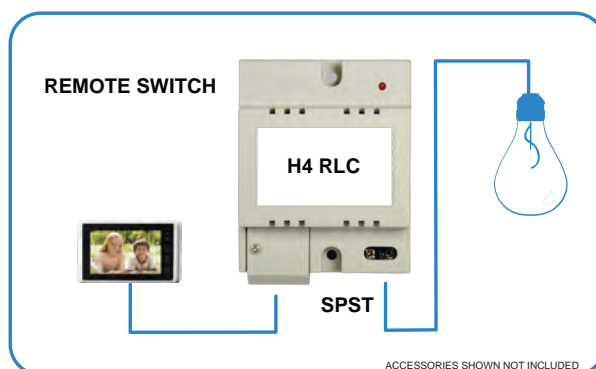
## H4 RLC RELAY CONTROL MODULE

### URNS LIGHT ON WITH CALL BUTTON PRESS

Enables control of a light with timer delay. Relay output. Suits H427 & H424 units. Can also be used as an Exit-Button Door Catch controller and/or Fail-Safe Door Catch controller with H427 only.

Code

H4RLC







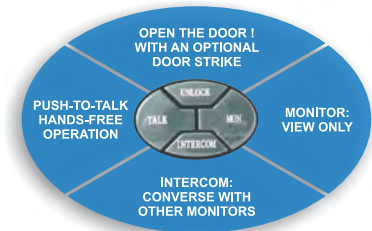
## Look-C 4 Wire B&W

### H4 B&W 4" CRT VIDEO DOOR PHONE HANDS-FREE

#### MONITOR & CAMERA KITS - H4 COMPATIBLE

Excellent economical solution with Low-profile side projection 4" B&W picture tube and IR Illuminated for bright and clear night viewing. Convenient hands-free view and hear operation. Auto-On screen and listen on door-bell press. Push-button to talk to your visitor before entry and allow them in with the optional EL971 Electronic release door catch actuator control. System is easily expandable with the addition of extra monitors (5) and/or extra door cameras (4). Intercom feature allows for communication between additional monitors in different rooms of the house. You can also integrate the B&W monitors in with Look-C range of Colour H4 System if desired (Colour door camera required for colour system)

**REQUIRES 4-CORE TWISTED PAIR CABLE TO LENGTH**



#### BLACK & WHITE KITS

Kit Includes one 4" B&W Monitor & one Door camera. Requires connection cable. Monitor size 220x190x55mm

#### ADD MORE CAMERAS(2)\* & MONITORS(5)

Up to 5 base monitors can all share on the one system. Connect two cameras and door strikes to one system. See and control extra doors with a CSM expansion module. For 2 to 4 cameras added require H4-MDS Switcher to suit.

Description	Code
B&W Monitor & H4-84 Flush Mount Camera	BWS68F
B&W Monitor & H4-87 Surface Mount Camera	BWS68SU



H4-87 SURFACE MOUNT DOOR STATION CAMERA  
100x130x40mm



H4-84 FLUSH MOUNT DOOR STATION CAMERA  
95x150x15/40mm



REQUIRES 4 CORE CABLE TO LENGTH...

**4-WIRE VIDEO SYSTEM**

#### EXPANDABLE B&W SYSTEM ITEMS

Description	Code
Monitor Only	BWM68
Flush Mount B&W Camera Only	H484
Duplex Dual System Camera	BWC586
Door Camera Splitter	H4MDS
Monitor Wiring Splitter	H4BDU
Door Strike	EL971

**BWM68, H484 & BWC586 are H4 compatible with the 4-wire system and all its accessories**



**H4 B&W**



**Monitor Only  
Retro CRT 4" Tube  
BWM68**



**95x150x15/40mm  
B&W Flush Mount  
H484**



**BWC586**



**Expand to  
4 Cameras.  
CCTV Video  
Compatible  
H4 MDS**



**Branch  
Splitter  
H4 BDU**

### REQUIRES 4-CORE CABLE

Cable is NOT included. 4 Core Low voltage "Bell wire" is required. eg. Telephone, CAT5 or security cable, etc. will work fine in most installations. For runs up to 100M the most economical solution is CAT5 twisted pair type cable. We have available in assorted lengths from 1 to 305 metres. For electronically noisy environments or to ensure maximum picture quality we have available shielded video coax cable with control wires.

Length	Description	Colour	Code
100M	Coax + 5 Control Wires	Cream	SEC7505
305M	Coax + 5 Control Wires	Cream	SEC17505
100M	8 Core Category-5e Cable	Blue	CNC5100BU
50M	8 Core Category-5e Cable	Blue	CL161BU
25M	8 Core Category-5e Cable	Blue	CL158BU



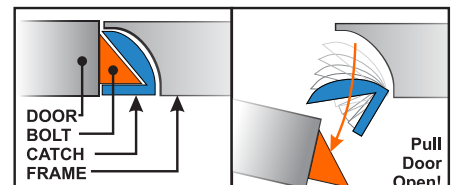
CAT5 cable is available in Blue, Yellow, Grey, Red, Green and Pink. Other lengths are also available. See Cable Section for CAT5 Cable.



**OPTIONAL DOOR STRIKE  
REQUIRES 12V 500mA  
Power Pack Not Inc.**

- **DOOR STRIKE EL971**
- Door-Strike Requires 12Vdc/500mA source, local or remote

**Code  
EL971**







## IP Video Door Intercom VIP

### IP INTERCOM KIT WITH WIFI

#### SUITABLE FOR CAT5e OR WIFI CONNECTION

The VIP Vision™ Residential IP Intercom Kit is an ideal single monitor/door-station intercom solution for residential applications. The system comprises of a compact, gloss black door station and a 7" touchscreen white indoor monitor which can be connected by supplied Cat5e cable or remotely via WiFi. The door station features a 1.3 megapixel, low-light camera and the intercom kit integrates with most electronic door strikes and sensors. The door station is operated simply via a single backlit button whilst the indoor monitor uses a resistive touchscreen. The system supports door sensor and door strike integration, remote unlock, missed/placed/received call details, visitor audio/video messaging and group calling functions. Capabilities of this intercom kit extend beyond the home and into everyday life. Remote connect to your intercom system from anywhere with your Android or iOS device (iPad, iPhone). Answer door bells, unlock your door, take image snapshots and two-way talk - all remotely from your smartphone or tablet.

- 1.0 megapixel day/night camera door station with omni-directional mic & loudspeaker
- Built-in voice response user prompting
- IP65 weather resistant door station
- Single-press button interface
- RFID card access reader and microSD memory slot
- Monitor intercom has a 1024 x 600 display resolution
- Omni directional mic & loudspeaker
- Monitor supports 6CH alarm input / 1CH output
- Monitor includes surface mount components
- Door station can be connected to the monitor via an existing WiFi or LAN

IP FOR  
WIFI AND  
INTERNET  
ETHERNET  
ACCESS

#### Includes:

- 1x residential door station with 1.0M camera
- 1x residential intercom monitor with 7" TFT LCD display
- 1x 30m CAT5 cable to connect door station and monitor
- Power supplies for the door station and monitor



FREE APP - PHONE NOT INCLUDED



Code  
INTIPRKITD

### INTEGRATES WITH AN EXISTING ETHERNET SYSTEM FOR SECURITY CAMERA EXPANSION

For Multiple Monitors and/or Door Station Cameras, you will be required to add a Network hub or POE Hub into the installation. When using the Network hub you will still be required to individually Power both Monitor and Door Station. Also, if using the POE Hub for power, you will be required to purchase additional POE Receivers for each unit in the installation.



Easily install the VIP Vision IP Intercom System using the existing WiFi network. The system can integrate multiple indoor intercom monitors, IP cameras.

Please Note: Products can be connected with wired Ethernet if WiFi is unavailable.

OPTIONAL  
SYSTEM  
EXPANSION



### IP MONITOR INTERCOM VIP WITH WIFI

#### 7" TOUCHSCREEN IP INTERCOM

The INTIPMONDW is a part of the VIP Vision range of elegant indoor monitors to accompany your IP video intercom solution. The monitor operates with a capacitive touch screen, meaning it can be controlled with very light touches of the finger. It has a number of features to accompany your IP door station including comprehensive call history logs, DND (Do Not Disturb), audio/video messaging and door station camera live view. It can connect to your own network and can even be configured to connect to your IP surveillance camera live streams (compressed to monitor resolution). It has up to 32GB of microSD storage to store saved door station snapshots and audio/video messages and can connect to a maximum of 6 door stations. With inter-room calling monitor-to-monitor and emergency contact to building management built-in, the INTIPMON range is also suited for apartment intercom configurations. Connectable to the door station with network cable or WiFi.

- Stylish gloss black IP intercom monitor with touch
- 7" TFT LCD Capacitive touch screen control interface
- Take image snapshots & watch audio/video messages
- View door station or CCTV cameras on your monitor

IP FOR EASY  
SYSTEM  
EXPANSION



Colour Code

White INTIPMONDW

Black INTIPMONDB



Requires cable and door station(s). Sold separately.





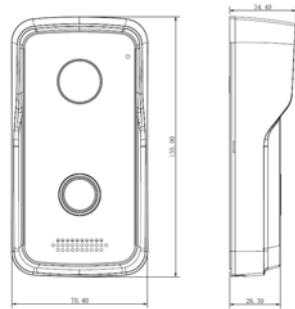
## IP INTERCOM DOOR STATION WITH WIFI

### SIMPLE OPERATION FOR SINGLE PREMISE BUILDINGS

The INTIPRDSB is a single channel video intercom solution ideal for homes and single-premises buildings. This compact unit features a 1.0 megapixel camera that operates in low light conditions. The door station is very simple to operate with a single backlit button that controls calling and voice prompting/confirmation for ease of use. The door station can also be interacted with via NFC-capable card. It also features door sensor and door strike integration, remote unlock via smartphone and visitor audio/video messaging functions. The tempered glass front panel of this door station is water-resistant, however, installation in a well sheltered location is recommended.



Colour	Code
Black	INTIPRDSB



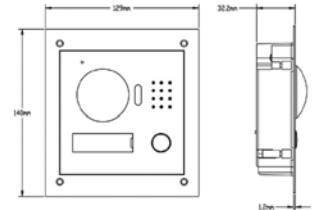
Requires cable and monitors. Sold separately.



## FLUSH MOUNT IP VIDEO DOOR STATION VIP

### WIRED NETWORK CONNECTION ONLY

A single channel video intercom solution ideal for homes and single-premises buildings. IP54 weather resistant IK07 Vandal resistant stainless steel front panel. 1.0 megapixel camera that operates in low light conditions. The intercom is very simple to operate with a single button that controls calling and voice prompting/confirmation for ease of use. It also features door sensor and door strike integration, remote unlock via smartphone and visitor audio/video messaging functions. Can be connected directly to a monitor or through a network switch.



- 1.0 megapixel day/night door station camera
- Surface mounted stainless steel housing
- Or Surface-Mount Casing (INTIPRDSVW-RS Included)
- Durable construction: IP54 & IK07 rated

Code
INTIPRDSVW



Bonus Hood Included



### BACK HOUSING

Metal flush mount box for use with INTIPRDSVW

Size	Code
125x135x56mm	INTIPRDSVW-FMA



## OUTDOOR IP DOOR STATION TOUCH INPUT VIP

### WITH MOTION DETECTION BACKLIT KEYPAD

An excellent video intercom solution for apartment complexes and other large residential applications. Featuring 1.3MP CMOS camera, 3 inch LCD screen, built-in microphone and speaker. For ease of access in all situations, the backlit keypad lights up upon detecting motion and door station includes voice verification on key presses. Users can gain access via buttons or RFID card. IP65 rated water resistance.

- Access Control N.O. output, NC output,
- Door On/Off button, Door status detect
- Built-in speaker and Microphone
- Support dual-way bidirectional talk
- Camera 1.3MP CMOS camera
- Dimensions 408x150x46.4mm
- Display Resolution 128x64
- Ethernet 10M/100Mbps
- Ingress Protection IP65
- Memory Slot 128MB
- Network Protocol TCP/IP
- Touch keyboard / IC Card
- Power DC 10~15V
- Vandal Resistant
- Video Compression H.264



Requires cable and monitors. Sold separately.

Code
INTIPADSB

### FLUSH MOUNT BOX FOR INTIPADSB

IP intercom apartment door station flush mounting box for INTIPADSB

Code
INTIPAFM100



## IP VIDEO DOOR STATION VIP

### 3" TOUCH SCREEN - RFID

An excellent video intercom solution in apartment complexes and other large residential applications. 1.3MP CMOS camera, 3 inch LCD screen, built-in microphone and speaker. Features a durable die-cast aluminium construction for the station front plate and aluminium keypad buttons.

- 3.0" Super-twisted Nematic (STN) Display
- Stylish Black-Crystal Glass Panel with Resistive Touch Input Keypad
- 1.3 Megapixel Door Camera with Excellent Low Light/Night Time Use
- Input Buttons Feature Voice Verification
- Call Contact / Management Centre / Indoor Monitor Functions
- Support for Tamper Detection
- Support Remote Unlock Switch
- Adopt TCP/IP Network Standard Protocol
- Assigns unique IP address for each device
- Supports SNMP Network Protocol
- Door Station can Communicate to Up to 300 Indoor Terminals
- Authentication Methods: Integrated Circuit NFC Card & Password Support
- Power Supply: 10~15VDC
- Dimensions: 376x151x60mm



Includes voice verification on key presses for ease of access.



Code
INTIPADSS

### FLUSH MOUNT BOX FOR INTIPADSS

IP intercom apartment door station flush mounting box for INTIPADSS

Code
INTIPAFM101



Requires cable and monitors. Sold separately.





## VIP VILLA IP INTERCOM SERIES FOR CUSTOMISED INSTALLATION

Achieve increased security and convenience, and experience a multitude of modern intercom features with additional access control variations in a flexible module design.

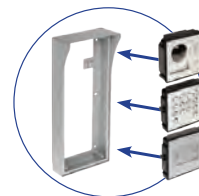
- Flexible modular design for all applications
- IP based for easy installation and expansion
- Interfaces with electronic door strikes and sensors
- Intuitive single button interface for ease of use
- 1.0MP door station camera with low light vision
- Slim profile 7" touchscreen indoor intercom monitor
- Variety of surface and flush mount housing layouts
- Convenient communication in small apartments
- Compatible with VIP Monitors INT-IP-MON-D(B/W)
- Hard wired IP and/or WiFi (Needs Hotspot)
- Can be connected via internet to the world!



Expand up to 100x indoor monitors and up to 20x door stations.



IP based for easy installation and management via VIP Vision Smart PSS



The modular design allows flexibility of multiple access solutions

## VILLA IP SERIES - SURFACE MOUNT ACCESSORIES

Villa IP intercom apartment door station surface mount box and front panel (Sold separate).



INTIPVDSSB2



INTIPVDSFP2



INTIPVDSSB3



INTIPVDSFP3

Description	Size	Code
2 unit surface mount housing w/ rain hood	262 x 150mm	INTIPVDSSB2
2 unit surface mount front panel	256 x 144mm	INTIPVDSFP2
3 unit surface mount housing w/ rain hood	377 x 150mm	INTIPVDSSB3
3 unit surface mount front panel	368 x 144mm	INTIPVDSFP3

## VILLA IP SERIES - FLUSH MOUNT ACCESSORIES

Villa IP intercom apartment door station flush mount box and front panel (Sold separate).



INTIPVDSFB2



INTIPVDSFP2



INTIPVDSFB3



INTIPVDSFP3



INTIPVDSFPFB9

Description	Size	Code
2 unit flush mount housing box	256 x 144mm	INTIPVDSFB2
2 unit surface mount front panel	256 x 144mm	INTIPVDSFP2
3 unit flush mount housing box	368 x 144mm	INTIPVDSFB3
3 unit surface mount front panel	368 x 144mm	INTIPVDSFP3
9 unit flush mount housing box + front panel	369 x 437mm	INTIPVDSFPFB9

## 16+2 PORT 250W POE+ MANAGED IP SWITCH

### TWO-LAYER 1GB-UP / 100M-DOWN

This Power over Ethernet switch comprises 10/100Mbps managed PoE switch in 16 port configuration. This two-layer network management PoE switch supports high-speed data forwarding and are widely used in networking and wireless systems, surveillance, IP telephony and more.

Ports	16 ports
Power	250W
Code	VSPOE-SW16



## 8+2 PORT 93W POE+ MANAGED IP SWITCH

### TWO-LAYER 1GB-UP / 100M-DOWN

This Power over Ethernet switch comprises 10/100Mbps PoE switch in an 8 port configuration. This two-layer industrial POE switch provides high-speed Gb data forwarding Base-T & Base-X as widely used in networking systems for surveillance, IP telephony and more.

Ports	8 ports
Power	93W
Code	VSPOE-SW8



## 24+2 PORT 370W POE+ MANAGED IP SWITCH

### TWO-LAYER 1GB-UP / 100M-DOWN

This Power over Ethernet switch comprises 10/100Mbps managed PoE switch in 24 port configuration. This two-layer network management PoE switch supports high-speed data forwarding and are widely used in networking and wireless systems, surveillance, IP telephony and more.

- 100Mbps downlink ports and 2x Gigabit uplink ports.
- PoE+ power supply. 30W max each. 370W Total.
- Remote management system.
- IEEE802.3af and IEEE802.3at standards compliant.
- Easy remote management system featuring port rate control, VLAN settings, security, PoE output setup and more.
- Size: 442x124x45mm

Ports	24 ports
Power	370W
Code	HUB324







## VILLA IP INTERCOM SERIES - CAMERA INTERCOM MODULE

The INTIPVDSC is a compact door station camera featuring a robust stainless steel front panel, simple single button operation and a 1.0 megapixel camera that operates in low light conditions. It is IP54 weather resistant, IK07 vandal resistant and is compatible with the entire VIP Vision Villa IP Intercom Series and supporting accessories including door strikes and networking switches. Up to 20x door stations and 100x indoor monitors can be installed in a single system making it ideal for small apartment blocks and multiple building dwellings.

### Code

INTIPVDSC



## VILLA IP INTERCOM SERIES - BUTTON MODULE

The INTIPVDSB is a door station button module for the VIP Vision Villa IP Intercom Series. This compact unit features a robust stainless steel front pane, with 3x simple single button doorbell operation. It is IP54 weather resistant, IK07 vandal resistant and is compatible with the entire VIP Vision Villa IP Intercom Series and supporting accessories including door strikes and networking switches. Up to 20x door stations and 100x indoor monitors can be installed in a single system making it ideal for small apartment blocks and multiple building dwellings.

### Code

INTIPVDSB



## VILLA IP INTERCOM SERIES - KEYPAD MODULE

The INTIPVDSK is a 12 buttons door station keyboard module for the VIP Vision Villa IP Intercom Series. This compact unit features a robust stainless steel front panel, with keypad button operation. It is IP54 weather resistant, IK07 vandal resistant and is compatible with the entire VIP Vision Villa IP Intercom Series and supporting accessories including door strikes and networking switches. Up to 20x door stations and 100x indoor monitors can be installed in a single system making it ideal for small apartment blocks and multiple building dwellings.

### Code

INTIPVDSK



## VILLA IP INTERCOM SERIES - RFID READER MODULE

The INTIPVDSR is a door station RFID card reader module (Mifare 13.56MHz) for the VIP Vision Villa IP Intercom Series. This compact unit features a robust stainless steel front panel with simple card swipe operation. It is IP54 weather resistant, IK07 vandal resistant and is compatible with the entire VIP Vision Villa IP Intercom Series and supporting accessories including door strikes and networking switches. Up to 20x door stations and 100x indoor monitors can be installed in a single system making it ideal for small apartment blocks and multiple building dwellings.

### Code

INTIPVDSR



## VILLA IP INTERCOM SERIES - FINGERPRINT MODULE

The INTIPVDSF is a door station biometrics/fingerprint reader module for the VIP Vision Villa IP Intercom Series.

This compact unit features intelligent biometrics/fingerprint scanning and it has a robust stainless steel front panel with simple fingerprint scan operation. It is IP54 weather resistant, IK07 vandal resistant and is compatible with the entire VIP Vision Villa IP Intercom Series and supporting accessories including door strikes and networking switches. Up to 20x door stations and 100x indoor monitors can be installed in a single system making it ideal for small apartment blocks and multiple building dwellings.

### Code

INTIPVDSF







## □ Door Access Control

### SECURITY KEYPAD DOOR TERMINAL

#### WALL PLATE VERSION

Stainless steel wall plate. Flush or above mount. Designed for security control or direct door-strike applications under covered areas. Single User or Multiple. Completely self contained fully programmable with relay output to control the optional door-strike directly and/or the alarm system, etc. With door re-lock time-out features. Requires 12Vdc.



Code  
DK-9520

### SECURITY KEYPAD DOOR TERMINAL

#### BACK-LIT KEYPAD

Stainless steel wall plate. Flush or above mount. Designed for security control or direct door-strike applications under covered areas. Single User or Multiple. Completely self contained fully programmable with relay output to control the optional door-strike directly and/or the alarm system, etc. With door re-lock time-out features. Requires 12Vdc.



Code  
DK-9520BL

### SECURITY KEYPAD ENTRY TERMINAL

#### 3 OUTPUT DUAL RELAY

Access keypad for controlling electric locks, door strikes and security systems. Comes with a durable long life membrane keypad, with 4x status indicators. Completely self contained. Multiple user, fully programmable with three independent output signals. Big or small # Codes. Control the optional door strike directly and/or the central alarm system, etc. With door re-lock time-out features. Weather resistance. 12-24V 117x117x21mm



Code  
DK9823

### ACCESS CONTROL KEYPAD MK2

#### NOW WITH UPGRADED SOFTWARE

The inbuilt RFID card reader allows for a smart card system to read the data from the card and output it as the entry of the PIN/User Code. These functionalities and the PINs, RFID Cards, etc. are all programmable through the unit to suit your needs. This makes the access control keypad an ideal keypad for Door Strike or Alarm Arm-Disarm Control System. Door bell button. 117x117x28mm. 12Vdc Two RFID Cards are included.



Code  
DK-2871MK2



### SELF-CONTAINED ACCESS CONTROL RFID

#### STAND-ALONE DOOR ENTRY SOLUTION FOR FAIL-SAFE/FAIL-SECURE DOOR STRIKES

Proximity EM Card Reader with Door Bell Button. Low Profile Surface Mount Weatherproof Plastic Housing IP-55. Operates with the most popular EM Cards or Key-fobs. Self-contained, Stand-Alone Operation with Built-in Data I/O Port Expandable for Multi-Station Operation. Accommodates Up to 500 Users and 5 Super Users. Relay or solid state door strike control. 12Vdc. 119x60x23mm



Code  
AR-2802



### RFID EXPANSION UNIT

#### USED IN CONJUNCTION WITH AR-2808 OR DK-2871

AR2802S is a weatherproof universal proximity EM card reader designed for system expansion. It is compatible with the DK-2871 keypad and the access control reader AR-2808 in utilizing the self-contained Data I/O bus to set up a multi-station access control system.



Code  
AR-2802S



### ACCESS CONTROL KEYPAD & READER RFID

#### IP55 STAND-ALONE RFID 125KHz

Interfaces with most electric door locks, fail-safe or fail-secure. Multi-level authentication using card & code. Handles up to 1000 user codes/keys/cards. Expand with up to 3 additional readers. Add split-decoder for improved security. 12Vdc 100mA. 169x46x24mm IP55



Code  
ACRDR102



### ACCESS CONTROL KEYPAD & READER RFID

#### IP65 STAND-ALONE RFID 125KHz

Interfaces with most electric door locks, fail-safe or fail-secure. Multi-level authentication using card & code. Handles up to 1000 user codes/keys/cards. Expand with up to 3 additional readers. Add split-decoder for improved security. 12Vdc 100mA. 180x46x25mm IP65



Code  
ACRDR103







## RFID KEY-FOB

### KEY-RING STYLE

Embedded with a RFID chip, it can be programmed and used with the AR-2808 or Access Control Keypad DK-2871. 100% waterproof and can be used as a key ring.

32x40x4.3mm  
PVC ABS Waterproof  
Distance 6-20cm  
125KHz

Code  
EM100



## RFID CARD

### BUSINESS CARD SIZED

Standard card embedded with a RFID chip, it can be programmed and used with the AR-2808 or Access Control Keypad DK-2871. 100% waterproof.

87x54x0.9mm  
PVC ABS Waterproof  
Distance 6-20cm  
125KHz

Code  
EM200

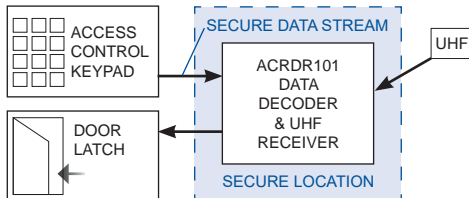


## SPLIT-DECODED ACCESS CONTROLLER

### SEPARATE SECURE CONTROL

In a split system, a decoder installed in a secure location, processes keypad codes and card/keyfob signals as data. This split processing means the door lock is triggered via the data, rather than the switching relay in the keypad. The ACRDR101 is an access controller that allows users to create a higher security, split-decoded keypad access control systems.

Code  
ACRDR101



## □ Door Access Wireless

## UHF CODE HOPPING REMOTE CONTROL MODULE

### 4 CHANNEL WITH TWO KEY-FOBS AND A RECEIVER

Advanced multi-purpose 4-channel UHF receiver / transmitter set with four fully programmable relay outputs (1 amp rating each). Supplied with TWO code hopping, 4 button remote controls with batteries and one compact base unit programmable receiver 110x60x36mm. Terminals are bare wire screw types: Common/NO/NC connections. Add wireless functionality to virtually any alarm panel or device. Up to 200M radio frequency range via line of sight. Each output is programmable, options include; momentary, latched, timed or pulsed. Power supply required 12-14VDC @ 500mA (alarm panels or automotive). Supports detector low battery, supervision & tamper signal outputs. Step by step programming via remote control & indication via LEDs. Utilises secure code hopping remote control technology. Quality product designed in Australia, made in Taiwan. RoHS, CE, etc.

Description	Code
4CH RX & TX Kit	ALM200
Extra Transmitter	ALM200RM



## UHF CODE HOPPING REMOTE CONTROL

### UNIVERSAL 2 CHANNEL WITH TWO KEY-FOBS AND RECEIVER

This product is designed to be simple and easy to install and use. Primarily, this product can be used to remote control your car, garage door, home alarm system, or your electric gate, and more. The unit is supplied with 2, dual button remote controls key-fobs. The remote controls for this unit operate using code hopping security. This technology sends a unique and different code each time any of the remote control buttons are pressed thus preventing unauthorised copying. Various features depend on how you wire the included receiver module. Extra accessories may be required for some of the additional features. 1 second (momentary) negative outputs for each channel 150mA maximum. Separate latched negative output for channel 1 and also LED flashing out. i.e.- Flashes when the button is pressed, stops when it is pressed again. Up to 100m radio frequency range (line of sight). Batteries included. Compact base unit 65x30x12mm requires 12Vdc-14Vdc 500mA power supply.

Description	Code
2CH TX & RX Kit	ALM201
Wireless Entry Keyfob	ALM201REM







## □ Magnetic Locks

### DOOR RELEASE PUSH BUTTON

#### HEAVY DUTY SPDT MOMENTARY

The ACDSW100 is a sandblasted aluminium door release button with 3 output contacts for use in access control systems.

- For electronic door locks/strikes
- 3 output contacts (N.O, N.C, COM)
- Sandblasted aluminium finish
- 3A at 36VDC contact rating
- Stress tested up to 500,000 uses
- Dimensions: 86 x 50 x 28.9mm

**Code**  
ACDSW100



### DOOR RELEASE PUSH BUTTON

#### NARROW SPST

The ACDSW101 is a slim, aluminium & stainless steel door release button with 2 output contacts for use in access control systems.

- For electronic door locks/strikes
- 2 output contacts (N.O, COM)
- Aluminium, stainless steel button
- 3A at 36VDC max. current rating
- Stress tested up to 500,000 uses
- Overall dimensions: 86 x 28 x 20mm

**Code**  
ACDSW101



### DOOR RELEASE PUSH BUTTON

#### LARGE SPDT LED BACK-LIT WITH DELAY

Aluminium door release button with 3 output contacts, dual LEDs detailing lock status and adjustable lock timer.

- For electronic door locks/strikes
- 3 output contacts (N.O, N.C, COM)
- Red/Green active status LEDs
- 2A at 30VAC/DC contact rating
- Adjustable timer output 1-40s
- Dimensions: 120 x 76 x 18mm

**Code**  
ACDSW102



### MORTISE ELECTRONIC DOOR STRIKE LOOK-C

#### FAIL SECURE

Remote entrance Door catch release. Compatible with our door intercoms and other units. Requires a trigger of 12Vdc 500mA to enable a door to be pushed open. Mounts into the frame, replacing the door catch. Power supply NOT included.

**Code**  
ELR1



### MORTISE ELECTRONIC DOOR STRIKE VIP

#### FAIL SECURE

The Watchguard ACLOC100 is a strong, mortise mount, electronic door strike for use with access control systems. It features a durable steel faceplate and is configured in fail-secure mode in the event of power loss.

**Type** Fail Secure  
**Size** 160x31x32mm  
**Volts** 12Vdc  
**Current** 400mA  
**Code** ACLOC100



### FACIA MOUNT ELECTRONIC DOOR STRIKE VIP

#### FAIL SECURE

The Watchguard ACLOC101 is a strong, surface mount, electronic door strike for use with access control systems. It features a durable steel faceplate and is configured in fail-secure mode in the event of power loss.

**Type** Fail Secure  
**Size** 108x50x32mm  
**Volts** 12Vdc  
**Current** 400mA  
**Code** ACLOC101



### MORTISE ELECTRONIC DOOR STRIKE VIP

#### WITH REMOTE MONITORING OF LOCK STATUS CONVERTABLE: FAIL SAFE / FAIL SECURE

Mortise mount, electronic door strike for use with access control systems. It features a durable stainless steel faceplate, door-latch and lock sensors for remote monitoring of lock status, and comes standard with mounting screws and voltage spike suppressing varistors. It is easily convertible between fail-safe and fail-secure modes, as per site requirements.

**Type** Fail Safe / Fail Secure  
**Size** 165x31x40mm  
**Voltage** 12Vdc  
**Current** 260mA  
**Code** ACLOC102



### MORTISE ELECTRONIC DOOR STRIKE VIP

#### MULTI-VOLTAGE & LOCK STATUS MONITORING CONVERTABLE: FAIL SAFE / FAIL SECURE

Mortise mount, electronic door strike for use with access control systems. It features a durable stainless steel faceplate, door-latch and lock sensors for remote monitoring of lock status, and comes standard with mounting screws and voltage spike suppressing varistors. It is easily convertible between fail-safe and fail-secure modes, and it can be powered via 12V/24V AC/DC as per site requirements.

**Type** Fail Safe / Fail Secure  
**Size** 175x29x26mm  
**Voltage** 12V-24Vac/dc  
**Current** 280/140mA  
**Code** ACLOC103







## 180KG FORCE SINGLE DOOR MAGNETIC LOCK

### 180KG 4.5W - FAIL SAFE (OPEN)

Heavy duty ultra safe & secure magnetic door lock with 180kg holding force capacity. Highly energy efficient 4.5W: 380mA at 12Vdc no circuit, directly wired.

Mounts ON door jam. Power-On to hold (Fail Safe).

Magnet Size: 170x32x21mm, Catch: 32x130x10mm

Fail-Safe means for use on exits where access is not restricted on power failure.

Code

MDL1001



## 280KG FORCE SINGLE DOOR MAGNETIC LOCK

### 280KG 6W WITH LED - FAIL SAFE (OPEN)

Heavy duty door lock with 280kg holding force capacity.

5.8W power on to hold. With 0, 3, 6 & 9 sec fail safe time.

480mA at 12VDC; 240mA at 24VDC (Selectable).

LED Status viewing and relay (NO/NC) output.

Circuit with voltage protection inbuilt.

Magnet base: 250x42x25mm.

Code

MDL1002



## 280KG FORCE SINGLE DOOR MAGNETIC LOCK WITH MORTISE MOUNT

### FLUSH MOUNT 6W - FAIL SAFE (OPEN)

Heavy duty magnetic door lock with 280kg holding force capacity.

480mA at 12VDC. No circuit direct wired.

Suitable for wood, glass, metal, fireproof door.

Size: 230x38x26mm.

Code

MDL1003



## 360KG FORCE DOUBLE DOOR MAGNETIC LOCK

### 180KG EACH - FAIL SAFE (OPEN)

Heavy duty ultra safe & secure magnetic double door lock with

2x180kg(each) holding force capacity. Hold when power on.

380mA at 12VDC Direct to solenoid wiring for each (x2).

Suits "French door" type dual hinged opening doors

Mounts on wood, glass, metal, fireproof doors.

Size: 340x35x21mm

Code

MDL1004



## 560KG FORCE DOUBLE DOOR MAGNETIC LOCK

### 280KG EACH - FAIL SAFE (OPEN)

Heavy duty magnetic double door lock with 2x 280kg (each) holding

force capacity. Switchable for 380mA at 12VDC or 190mA at 24VDC.

Mount on a wood, glass, metal or fireproof door.

Inbuilt protection voltage spike circuit.

Relay output and LED indicator for status.

Size:-500x42x25mm.

Code

MDL1005





## Surveillance IP

## NVR Systems VIP

### NETWORK VIDEO RECORDER 4 CHANNEL - WATCHGUARD NVR4COM

#### COMPACT 4 CHANNEL NETWORK VIDEO RECORDER WITH POE (80MBPS)

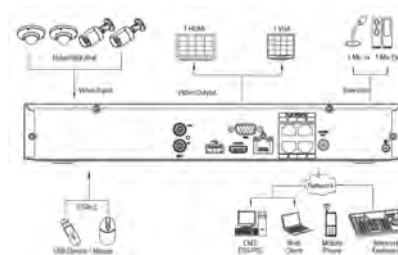
NVR316 is a compact network video recorder with a built-in 4 port power over Ethernet switch, allowing easy plug and play installation.

- Records up to 5.0 megapixel (2560 x 1920)
- Up to 80Mbps total incoming bandwidth
- 1 x SATA port up to 8TB storage
- Built-in 4 port power over Ethernet switch
- Motion detection recording & record scheduling
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Remote view in seconds with setup via QR code

Channel	Hard Disk	Code
4 CH	No	NVR316
4 CH	2TB	NVR316HD2TB
4 CH	4TB	NVR316HD4TB
4 CH	6TB	NVR316HD6TB
4 CH	8TB	NVR316HD8TB



PC Devices Not Included



**5.0MP**  
CAMERA SUPPORT

**4 x IP**  
BUILT IN PoE SWITCH

**1x SATA (8TB max)**  
internal storage  
+ USB & Network

### NETWORK VIDEO RECORDER 8 CHANNEL - WATCHGUARD NVR8COM

#### COMPACT 8 CHANNEL NETWORK VIDEO RECORDER WITH POE (80MBPS)

NVR317 is a compact network video recorder with a built-in 8 port power over Ethernet switch, allowing easy plug and play installation.

- Records up to 5.0 megapixel (2560 x 1920)
- Up to 80Mbps total incoming bandwidth
- 1 x SATA port up to 8TB storage
- Built-in 8 port power over Ethernet switch
- Motion detection recording & record scheduling
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Remote view in seconds with setup via QR code

Channel	Hard Disk	Code
8 CH	No	NVR317
8 CH	2TB	NVR317HD2TB
8 CH	4TB	NVR317HD4TB
8 CH	6TB	NVR317HD6TB
8 CH	8TB	NVR317HD8TB



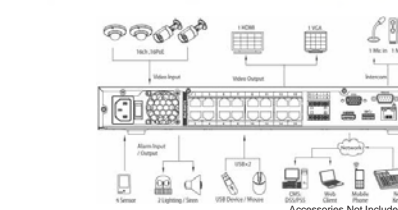
### NETWORK VIDEO RECORDER 16 CHANNEL - WATCHGUARD NVR16COM

#### COMPACT 16 CHANNEL NETWORK VIDEO RECORDER WITH POE (200MBPS)

NVR318 is a compact network video recorder with a built-in 16 port power over Ethernet switch, allowing easy plug and play installation.

- Records up to 5.0 megapixel (2560 x 1920)
- Up to 200Mbps total incoming bandwidth
- 2 SATA Ports up to 20TB storage
- Built-in 16 port power over Ethernet switch
- Motion detection recording & record scheduling
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Remote view in seconds with setup via QR code

Channel	Hard Disk	Code
16 CH	No	NVR318
16 CH	2TB	NVR318HD2TB
16 CH	4TB	NVR318HD4TB
16 CH	6TB	NVR318HD6TB
16 CH	8TB	NVR318HD8TB
16 CH	12TB	NVR318HD12TB







## NETWORK VIDEO RECORDER 4 CHANNEL - VIP VISION NVR4PRO3 SERIES

### 200MBPS UP TO 8.0M CAMERAS - BUILT-IN 4 PORT PoE HUB

The VIP Vision NVR300 is a 4 channel network video recorder, designed as an immediate and customisable high definition IP surveillance solution. Installation of IP CCTV has never been simpler with the NVR300. It features a built-in 4 port Power over Ethernet (PoE) switch, supplying camera power, video, audio and PTZ control data across a single ethernet cable. The NVR supports up to 200Mbps incoming bandwidth and can record beyond full HD video at 8.0MP resolution (3840 x 2160) across all 4 channels. Adjusting recording settings, exporting footage and live viewing camera streams are performed through an easy to use user interface. This NVR supports up to 20TB of internal storage (2x SATA) and features continuous recording. When the internal storage is full, the NVR will automatically record over the oldest footage. Accessing footage and changing settings remotely is possible from a local PC or over the internet via the NVR web interface. Smartphone and tablet remote viewing is available for iOS (iPhone, iPad), Google Android and Microsoft Windows Phone via free applications and can be configured in seconds using the remote view QR code tool. The NVR300 can backup footage to external USB devices as well as via the local network.

- Records up to 8.0 megapixel (3840 x 2160)
- Up to 200Mbps incoming bandwidth
- 2 x SATA ports for up to 20TB of HDD capacity
- Remote view in seconds with setup via QR code
- HDMI & VGA simultaneous video output
- Built-in 4 port Power over Ethernet (PoE)
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone

Channel	Hard Disk	Code
4 CH	No Disk	NVR300
4 CH	2TB	NVR300HD2TB
4 CH	4TB	NVR300HD4TB
4 CH	8TB	NVR300HD8TB
4 CH	12TB	NVR300HD12TB



**8.0MP**  
CAMERA SUPPORT

**4 x IP**  
BUILT IN PoE SWITCH

**2x SATA (20TB max)**  
internal storage  
+ USB & Network



Phone & Laptop Not Included



Cameras Not Included

Alarm Input / Output	4 channels input / 2 channels relay output
Auxiliary Inputs	-
Backup Modes	USB Device / Network
Bit Rate	48 ~ 8192kbps
Dimensions	375 x 285 x 56mm
Display Resolution	Configurable 3840 x 2160 to 1024 x 768
Display Split	1/4
Ethernet	1 RJ-45 port (10/100/1000M)
HDD Modes	N/A
Incoming Bandwidth	200Mbps
Internal HDD	2 SATA ports, up to 20TB
Main Processor	Quad-core embedded processor
Max. User Access	128 users
Record Resolution	Configurable from 8.0MP(3840 x 2160) to CIF (352 x 288)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search
ONVIF Conformance	2.4 Conformance/CGI
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Operating System	Embedded Linux
Optical Interface	N/A
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Playback Sync	1/4
Power Consumption	NVR: <9W (without HDD) / PoE: Max 25.5W per port
Power over Ethernet	4 ports (IEEE802.3af)
Power Supply	48VDC 2A / PoE: 48VDC 1.04A
Record Interval	1~120 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD, Alarm) / Stop
Remote View	iOS (iPhone, iPad) / Android devices / Windows Phone
Search Modes	Time/Date, Alarm, By Motion, Exact search, Smart search
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer, Screenshot
Two-way Talk	1 channel input / 1 channel output / RCA
USB Interface	2 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.264 / MJPEG
Video Detection	Motion Detection, Motion Zones: 396 (22 x 18), Video Loss & Tampering
Video Input	4 channel
Video Output	HDMI / VGA
Weight	1.6kg (without HDD)







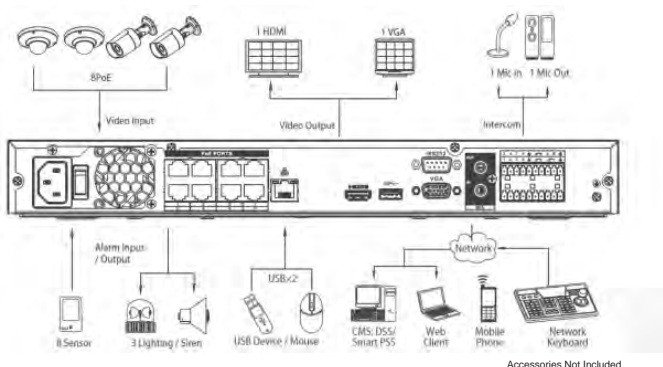
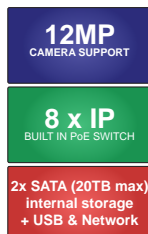
## NETWORK VIDEO RECORDER 8 CHANNEL - VIP VISION NVR8PRO6

### COMPATIBLE WITH UP TO 12MP CAMERAS - BUILT-IN PoE 8 PORT HUB

The VIP Vision NVR301 is an 8 channel network video recorder, designed as an immediate and customisable high definition IP surveillance solution. It features a built-in 8 port Power over Ethernet (PoE) switch, supplying camera power, video, audio and PTZ control data across a single ethernet cable. The NVR supports up to 320Mbps incoming bandwidth and can record beyond Ultra HD video at a maximum resolution of 12.0MP (4000 x 3000). Adjusting recording settings, exporting footage and live viewing camera streams are performed through an easy to use user interface. This NVR supports up to 12TB of internal storage via 2 x SATA ports and features continuous recording. This NVR is also capable of live view output in Ultra HD resolution (3840 x 2160), allowing cameras to display at their maximum resolution on compatible UHD monitors/televisions. Smartphone and tablet remote viewing is available for iOS (iPhone, iPad), Google Android and Microsoft Windows Phone via free applications and can be configured in seconds using the remote view QR code tool. The NVR301 can backup footage to external USB devices as well as via the local network.

- Records up to 12.0 megapixel (4000 x 3000)
- New Quad-core embedded processor
- Up to 320Mbps incoming bandwidth
- 2 x SATA ports for up to 20TB of HDD capacity
- Remote view in seconds with setup via QR code
- Live view surveillance in Ultra HD resolution
- Built-in 8 port Power over Ethernet (PoE)
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone

Channel	Hard Disk	Code
8 CH	No Disk	NVR301
8 CH	2TB	NVR301HD2TB
8 CH	4TB	NVR301HD4TB
8 CH	8TB	NVR301HD8TB
8 CH	12TB	NVR301HD12TB



Accessories Not Included



PC Devices Not Included



Alarm Input / Output	4 channels input / 2 channels relay output (N.O/N.C)
Auxiliary Inputs	1 x RS232 / 1 x RS485
Backup Modes	USB Device / Network
Bit Rate	16kbps ~ 20Mbps
Dimensions	375 x 275 x 56mm, 2.65kg (without HDD)
Display Resolution	Configurable 3840 x 2160 to 1024 x 768
Display Split	1/4/8/9
Ethernet	1 RJ-45 port (10/100/1000M)
HDD Modes	N/A
Incoming Bandwidth	320Mbps
Internal HDD	2 SATA ports, up to 20TB
Main Processor	Dual-core embedded processor
Max. User Access	128 users
Record Resolution	Configurable from 12.0MP(4000 x 3000) to CIF (352 x 288)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search
ONVIF Conformance	2.4 Conformance
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Operating System	Embedded Linux
Optical Interface	N/A
OSD	Camera title, Time, Video loss, Camera lock, Motion detection
Playback Sync	1/4/9
Power Consumption	NVR: 14.5W (without HDD) / PoE: Max 25.5W per port
Power over Ethernet	8 ports (IEEE802.3af)
Power Supply	100 ~ 240VAC, 50 ~ 60Hz
Record Interval	1~120 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD, Alarm) / Stop
Remote View	iOS (iPhone, iPad) / Android devices / Windows Phone
Search Modes	Time/Date, Alarm, By Motion, Exact search, Smart search
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer
Two-way Talk	1 channel input / 1 channel output / RCA
USB Interface	2 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.265 / H.264 / MJPEG
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Video Input	8 channel
Video Output	HDMI / VGA







## NETWORK VIDEO RECORDER 16 CHANNEL - VIP VISION NVR16PRO6NP

### PROFESSIONAL 16 CHANNEL NETWORK VIDEO RECORDER - NO PoE

The VIP Vision NVR302 is a 16 channel network video recorder, designed as an immediate and customisable high definition IP surveillance solution. This NVR requires external Power over Ethernet (PoE) switches. The NVR supports up to 320Mbps incoming bandwidth and can record beyond full HD video at a maximum resolution of 12.0MP (4000 x 3000). Adjusting recording settings, exporting footage and live viewing camera streams are performed through an easy to use user interface. This NVR supports up to 20TB of internal storage via 2 x SATA ports and features continuous recording. This NVR is also capable of live view output in Ultra HD resolution (3840 x 2160), allowing cameras to display at their maximum resolution on compatible UHD monitors/ televisions. Smartphone and tablet remote viewing is available for iOS (iPhone, iPad), Google Android and Microsoft Windows Phone via free applications and can be configured in seconds using the remote view QR code tool. The NVR302 can backup footage to external USB devices, eSATA devices, as well as via the local network.

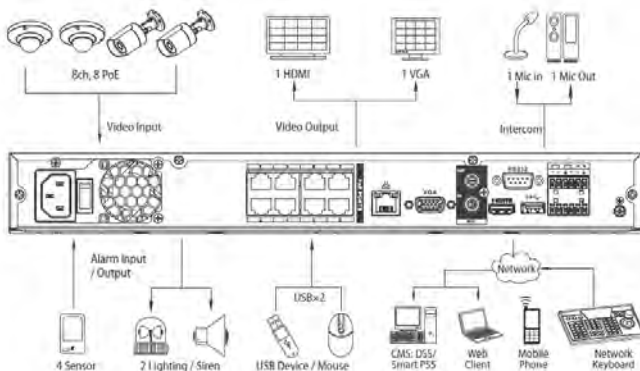
- Records up to 12.0 megapixel (4000 x 3000)
- Up to 320Mbps incoming bandwidth
- 2 x SATA ports for up to 20TB of HDD capacity
- Remote view in seconds with setup via QR code
- Live view surveillance in Ultra HD resolution
- Backup via external USB device or local network
- Audio and Alarm trigger integration
- Remote view for iOS, Android & Windows Phone

Channel	Hard Disk	Code
16 CH	No disk	NVR302
16 CH	2TB	NVR302HD2TB
16 CH	4TB	NVR302HD4TB
16 CH	8TB	NVR302HD8TB
16 CH	12TB	NVR302HD12TB

**12MP**  
CAMERA SUPPORT

**OPTIONAL**  
PoE  
IP HUB

**2x SATA (20TB max)**  
internal storage  
+ USB & Network

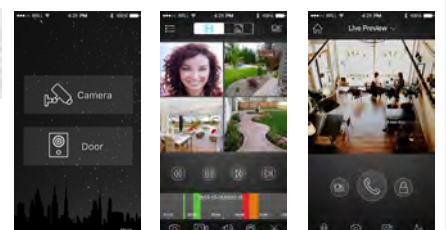
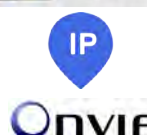


Accessories Not Included



PC Devices Not Included

Alarm Input / Output	4 channels input / 2 channels relay output
Auxiliary Inputs	1 x RS232 / 1 x RS485
Backup Modes	USB Device / Network / Internal SATA
Bit Rate	16kbps ~ 20Mbps
Dimensions	375 x 282 x 56mm, 1.6kg (without HDD)
Display Resolution	Configurable 3840 x 2160 to 1024 x 768
Display Split	1/4/8/9/16
Ethernet	1 RJ-45 port (10/100/1000M)
HDD Modes	N/A
Incoming Bandwidth	320Mbps
Internal HDD	2 SATA ports, up to 20TB
Main Processor	Quad-core embedded processor
Max. User Access	128 users
Record Resolution	Configurable from 12.0MP(4000 x 3000) to CIF (352 x 288)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search
ONVIF Conformance	2.4 Conformance
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Operating System	Embedded Linux
Optical Interface	N/A
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Playback Sync	1/4/8/16
Power Consumption	NVR: 9.5W (without HDD)
Power over Ethernet	N/A
Power Supply	100 ~ 240VAC, 50 ~ 60Hz
Record Interval	1~120 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD, Alarm) / Stop
Remote View	iOS (iPhone, iPad) / Android devices / Windows Phone
Search Modes	Time/Date, Alarm, By Motion, Exact search, Smart search
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer & Screen
Two-way Talk	1 channel input / 1 channel output / RCA
USB Interface	2 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.265 / H.264 / MJPEG / MPEG4
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Video Input	16 channel
Video Output	HDMI / VGA







## NETWORK VIDEO RECORDER 16 CHANNEL - VIP VISION NVR16PRO6

### COMPATIBLE WITH UP TO 12MP CAMERAS @ 320Mbps - OPTIONAL INSTALLED HARD DISK

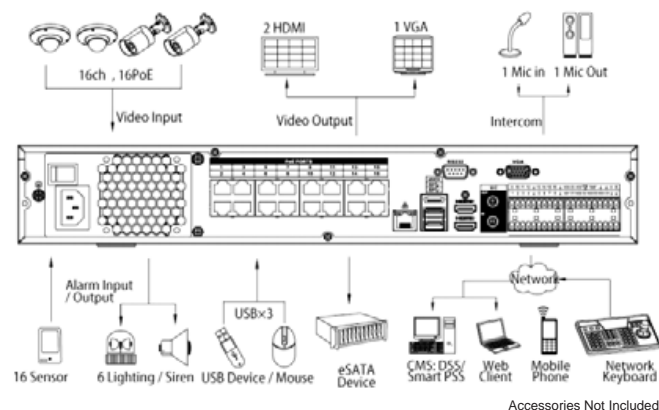
The VIP Vision NVR306 is a 16 channel network video recorder, designed as an immediate and customisable high definition IP surveillance solution. It features a built-in 16 port Power over Ethernet (PoE) switch, supplying camera power, video, audio and PTZ control data across a single ethernet cable. The NVR supports up to 320Mbps incoming bandwidth and can record beyond full HD video at a maximum resolution of 12.0MP (4000 x 3000). Adjusting recording settings, exporting footage and live viewing camera streams are performed through an easy to use user interface. This NVR supports up to 40TB of internal storage via 4 x SATA ports and features continuous recording. This NVR is also capable of live view output in Ultra HD resolution (3840 x 2160), allowing cameras to display at their maximum resolution on compatible UHD monitors/televisions. Smartphone and tablet remote viewing is available for iOS (iPhone, iPad), Google Android and Microsoft Windows Phone via free applications and can be configured in seconds using the remote view QR code tool. The NVR306 can backup footage to external USB devices, eSATA devices, an internal DVD-RW burner (optional) as well as via the local network. This NVR is also available in a non-PoE version.

- Records up to 12.0 megapixel (4000 x 3000)
- Up to 320Mbps incoming bandwidth
- 4 x SATA ports for up to 40TB of HDD capacity
- Remote view in seconds with setup via QR code
- Live view surveillance in Ultra HD resolution
- Built-in 16 port Power over Ethernet (PoE)
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone



### WITH BUILT-IN 16 CHANNEL PoE HUB

Channel	Hard Disk	Code
16 CH	No Disk	NVR306
16 CH	4TB	NVR306HD4TB
16 CH	6TB	NVR306HD6TB
16 CH	8TB	NVR306HD8TB
16 CH	12TB	NVR306HD12TB



### DVR Burner Optional

Code  
DVD961BK

Please call for a quote for a NVR with preinstalled DVD Recorder



Optional UHD Monitor

Alarm Input / Output	16 x input / 6 x relay output
Auxiliary Inputs	1 x RS232 / 1 x RS485 / 1 x eSATA
Backup Modes	USB Device / Network / eSATA Device / Internal SATA burner (Optional)
Bit Rate	16kbps ~ 20Mbps
Dimensions	440 x 411 x 95mm, 4.65kg (without HDD)
Display Resolution	Configurable 3840x2160px ~ 1024x768px
Display Split	1/4/8/9/16
Ethernet	1 RJ-45 port (10/100/1000M)
HDD Modes	N/A
Incoming Bandwidth	320Mbps
Internal HDD	4 SATA ports, up to 40TB
Main Processor	Quad-core embedded processor
Max. User Access	128 users
Record Resolution	12.0MP(4000x3000) ~ CIF (352x288)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, P2P
ONVIF Conformance	2.4 Conformance
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Operating System	Embedded Linux
Optical Interface	N/A
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Playback Sync	1/4/9/16
Power Consumption	NVR: 17.5W (without HDD)
PoE	Max 25.5W per port
Power over Ethernet	16 ports (IEEE802.3af)
Power Supply	100 ~ 240VAC, 50 ~ 60Hz
Record Interval	1~120 min / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD, Alarm) / Stop
Remote View	iOS (iPhone, iPad) / Android devices / Windows Phone
Search Modes	Time/Date, Alarm, By Motion, search
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer & Screen
Two-way Talk	1 channel input / 1 channel output / RCA
USB Interface	3 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.265 / H.264 / MJPEG
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Video Input	16 channel
Video Output	2 x HDMI / VGA
Weight	4.65kg (without HDD)
USB Interface	3 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.265 / H.264 / MJPEG
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Video Input	16 channel
Video Output	2 x HDMI / VGA







## NETWORK VIDEO RECORDER 32 CHANNEL - OPTIONAL HUB - VIP VISION NVR32PRO16P2

### COMPATIBLE WITH UP TO 12MP CAMERAS @ 320Mbps - OPTIONAL INSTALLED HARD DISK

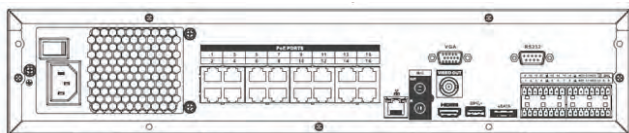
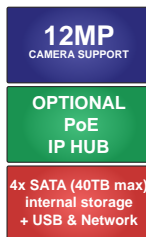
The VIP Vision NVR313 is a 32 channel network video recorder, designed as an immediate and customisable high definition IP surveillance solution. It features a built-in 16 port Power over Ethernet (PoE) switch, supplying camera power, video, audio and PTZ control data across a single ethernet cable. The NVR supports up to 320Mbps incoming bandwidth and can record beyond full HD video at a maximum resolution of 12.0MP (4000 x 3000). Adjusting recording settings, exporting footage and live viewing camera streams are performed through an easy to use user interface. This NVR supports up to 40TB of internal storage via 4 x SATA ports and features continuous recording. This NVR is also capable of live view output in Ultra HD resolution (3840 x 2160), allowing cameras to display at their maximum resolution on compatible UHD monitors/televisions. Smartphone and tablet remote viewing is available for iOS (iPhone, iPad), Google Android and Microsoft Windows Phone via free applications and can be configured in seconds using the remote view QR code tool. The NVR313 can backup footage to external USB devices, eSATA devices, an internal DVD-RW burner (optional) as well as via the local network.

- Records up to 12.0 megapixel (4000 x 3000)
- New Quad-core embedded processor
- Up to 320Mbps incoming bandwidth
- 4 x SATA ports for up to 40TB of HDD capacity
- Remote view in seconds with setup via QR code
- Live view surveillance in Ultra HD resolution
- Built-in 16 port Power over Ethernet (PoE)
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone



### VIEW & RECORD UP TO 32 CAMERAS - 16 PoE PORTS BUILT-IN

Channel	Hard Disk	Code
32 CH	No Disk	NVR313
32 CH	4TB	NVR313HD4TB
32 CH	8TB	NVR313HD8TB
32 CH	12TB	NVR313HD12TB
32 CH	18TB	NVR313HD18TB
32 CH	24TB	NVR313HD24TB



Accessories Not Included

Optional UHD Monitor

### DVR Burner Optional

Please call for a quote for a NVR with preinstalled DVD Recorder



Alarm Input / Output	16 x input / 6 x relay output
Auxiliary Inputs	1 x RS232 / 1 x RS485 / 1 x eSATA
Backup Modes	USB Device / Network / eSATA Device / Internal SATA burner (Optional)
Bit Rate	16kbps ~ 20Mbps
Dimensions	440 x 413 x 75mm
Display Resolution	Configurable 3840 x 2160 to 1024 x 768
Display Split	1/4/8/9/16/25/36
Ethernet	1 RJ-45 port (10/100/1000M)
HDD Modes	N/A
Incoming Bandwidth	320Mbps
Internal HDD	4 SATA ports, up to 40TB
Main Processor	Quad-core embedded processor
Max. User Access	128 users
Record Resolution	Configurable from 12.0MP(4000 x 3000) to CIF (352 x 288)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search
ONVIF Conformance	2.4 Conformance
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Operating System	Embedded Linux
Optical Interface	N/A
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Playback Sync	1/4/8/16
Power Consumption	NVR: 17.5W (without HDD)
PoE	Max 25.5W per port
Power over Ethernet	16 ports (IEEE802.3af)
Power Supply	100 ~ 240VAC, 50 ~ 60Hz
Record Interval	1~120 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD, Alarm) / Stop
Remote View	iOS (iPhone, iPad) / Android devices / Windows Phone
Search Modes	Time/Date, Alarm, By Motion, Exact search, Smart search
Trigger Events	Recording, PTZ, Tour, Alarm, Push, Email, FTP, Snapshot, Buzzer & Screen tips
Two-way Talk	1 channel input / 1 channel output / RCA
USB Interface	3 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.265 / H.264 / MJPEG / MPEG4
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Video Input	32 channel
Video Output	2 x HDMI / VGA
Weight	4.65kg (without HDD)







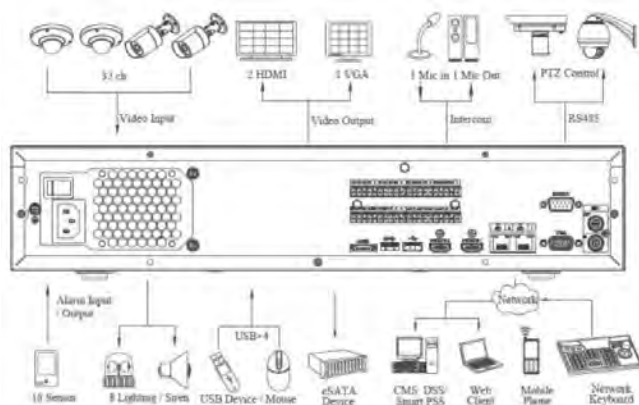
## ULTRA NETWORK VIDEO RECORDER 32 CHANNEL - VIP NVR32ULTNPV2

### 384Mbps ULTIMATE NVR

The VIP Vision NVR308 is a 32 channel network video recorder, designed as a high performance, high capacity, professional IP surveillance solution for enterprise applications. Purpose built for large surveillance installations, the NVR308 is powered by Intel® Dual Core Processors for optimal performance. It features 8 x SATA ports for a maximum of 80TB of hard drive storage which can be optimised for speed or redundancy via a variety of RAID HDD configurations. This NVR is also capable of live view output in Ultra HD resolution (3840 x 2160), allowing cameras to display at their maximum resolution on compatible UHD monitors/televisions. The NVR308 supports up to 384Mbps incoming bandwidth and can record beyond full HD video at a maximum resolution of 12.0MP (4000 x 3000). It also supports configuration of the VIP Vision 360° IP camera range. Accessing footage and changing settings remotely is possible from a local PC or over the internet via the NVR web interface. Smartphone and tablet remote viewing is available for iOS (iPhone, iPad), Google Android and Microsoft Windows Phone. The NVR308 can backup footage to external USB devices, eSATA devices, an internal DVD-RW burner (optional) as well as via the local network.

- Records up to 12.0 megapixel (4000 x 3000)
- Powered by Intel® Dual Core Processors
- Up to 384Mbps incoming bandwidth
- 8 x SATA ports for up to 80TB of HDD capacity
- Alarm integration, RS232, RS485 and eSATA
- Live view surveillance in Ultra HD resolution
- Supports VIP Vision™ 360°IP camera range
- Supports RAID HDD optimisation & redundancy
- Comprehensive remote view capabilities

Channel	Hard Disk	Code
32 CH	No Disk	NVR308
32 CH	8TB	NVR308HD8TB
32 CH	16TB	NVR308HD16TB
32 CH	24TB	NVR308HD24TB
32 CH	32TB	NVR308HD32TB
32 CH	48TB	NVR308HD48TB



Accessories Not Included

IP Viewing Options:



Tablets, Phones, Laptop Not Included

Alarm Input / Output	16 x input / 8 x relay output
Auxiliary Inputs	1 x RS232 / 1 x RS485 / 1 x eSATA
Backup Modes	USB Device / Network / eSATA Device / Internal SATA burner (Optional)
Bit Rate	16 ~ 20Mbps
Dimensions	440 x 451 x 95mm
Display Resolution	Configurable 3840 x 2160 to 1024 x 768
Display Split	1/4/8/9/16/25/36, Extra display: 1/4/8/9/16
Ethernet	2x RJ-45 ports (10/100/1000M): Load Balancing / Independent
HDD Modes	Single disk, RAID 0/1/5/6/10/50/60 (Global hot-spare support)
Incoming Bandwidth	384Mbps
Internal HDD	8 SATA ports, up to 80TB
Main Processor	Intel® Dual-Core™ Processors
Max. User Access	128 users
Record Resolution	Configurable from 12.0MP(4000 x 3000) to CIF (352 x 288)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search
ONVIF Conformance	2.4 Conformance
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Operating System	Embedded Linux
Optical Interface	N/A
OSD	Camera title, Time, Video loss, Camera lock, Motion detection
Playback Sync	128Mbps (RAID 5 mode) / 64Mbps (single HDD mode)
Power Consumption	NVR: < 20W (without HDD)
Power over Ethernet	N/A
Power Supply	100 ~ 240VAC, 50 ~ 60Hz
Record Interval	1~120 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD, Alarm) / Stop
Remote View	iOS (iPhone, iPad) / Android devices / Windows Phone
Search Modes	Time/Date, Alarm, By Motion, Exact search, Smart search
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Buzzer
Two-way Talk	1 channel input / 1 channel output / RCA
USB Interface	4 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.264 / MJPEG
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Video Input	32 channel
Video Output	2 x HDMI / 1 VGA
Weight	9.0kg (without HDD)







## ULTRA NETWORK VIDEO RECORDER 64 & 128 CHANNEL - VIP VISION ULTIMATE SERIES

### 384MBPS - ACCEPTS UP TO 16 HARD DISKS [OPTIONAL] - TOUCH SCREEN CONTROL PANEL

The VIP Vision NVR304 is a 64 channel network video recorder, designed as a high performance, high capacity, professional IP surveillance solution for enterprise applications. Purpose built for large surveillance installations, the NVR304 is powered by Intel® Quad Core Processors and includes a 7" front panel LCD display. It features 16 x SATA ports for a maximum of 96TB of hard drive storage which can be optimised for speed or redundancy via a variety of RAID HDD configurations. This NVR is also capable of live view output in 4K Ultra HD resolution (3840 x 2160), allowing cameras to display at their maximum resolution on compatible UHD monitors/televisions. The NVR304 supports up to 384Mbps incoming bandwidth and can record beyond full HD video at a maximum resolution of 12.0MP (4000 x 3000). It also supports configuration of the VIP Vision 360° IP camera range. Accessing footage and changing settings remotely is possible from a local PC or over the internet via the NVR web interface. Smartphone and tablet remote viewing is available for iOS (iPhone, iPad), Google Android and Microsoft Windows Phone. The NVR304 can backup footage to external USB devices, eSATA devices, as well as via the local network

- Records up to 12.0 megapixel (4000 x 3000)
- Powered by Intel® Quad-Core Processors (64 Channel version only)
- Up to 384Mbps incoming bandwidth
- 16 x SATA ports for up to 160TB of HDD capacity
- Supports easy hot-swap hard drive access
- Live view surveillance in Ultra HD resolution
- Supports VIP Vision™ 360°IP camera range
- Supports RAID HDD optimisation & redundancy
- Comprehensive remote view capabilities



### 64 CH HIGH CAPACITY 12MP

Channel	Hard Disk	Code
64 CH	No Disk	NVR304
64 CH	16Tb	NVR304HD16TB
64 CH	24TB	NVR304HD24TB
64 CH	32TB	NVR304HD32TB
64 CH	48TB	NVR304HD48TB

64CH  
FULL HD RECORDING

12 MP  
MAX RESOLUTION

16x SATA (160TB max)  
internal storage  
+ USB & Network

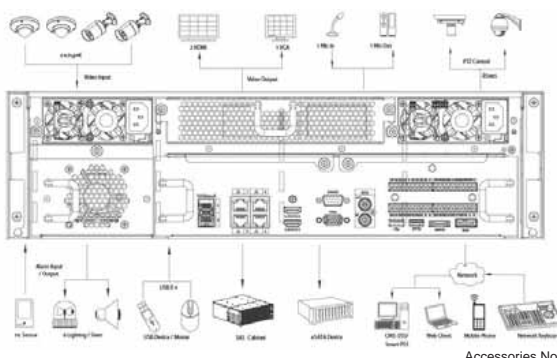
### 128 CH HIGH CAPACITY 12MP

Channel	Hard Disk	Code
128 CH	No Disk	NVR305
128 CH	16TB	NVR305HD16TB
128 CH	24TB	NVR305HD24TB
128 CH	32TB	NVR305HD32TB
128 CH	48TB	NVR305HD48TB

128 CH  
FULL HD RECORDING

12 MP  
MAX RESOLUTION

16x SATA (160TB max)  
internal storage  
+ USB & Network



Accessories Not Included

Alarm Input / Output	16 channel input / 8 channel relay output
Auxiliary Inputs	1 x RS232 / 1 x RS485 / 1 x eSATA / 1 x Mini SAS
Backup Modes	USB Device / Network / eSATA Device
Bit Rate	16 ~ 20Mbps
Dimensions	444 x 457 x 95mm
Display Resolution	Configure from 3840x2160 to 1024x768
Display Split	1/4/8/9/16/25/36, Extra display: 1/4/8/9/16
Ethernet	4 RJ-45 ports (10/100/1000M): Load Balancing / Independent
HDD Modes	Single disk, RAID 0/1/5/6/10/50/60 (Global hot-spare support)
Incoming Bandwidth	384Mbps
Internal HDD	16 SATA ports, up to 160TB
Main Processor	Intel® Core™ Processors
Max. User Access	128 users
Record Resolution	Configurable from 12.0MP(4000 x 3000) to CIF (352 x 288)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search
ONVIF Conformance	2.4 Conformance
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Operating System	Embedded Linux
Optical Interface	2 x Gigabit Fibre Interface
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Playback Sync	128Mbps (RAID 5 mode) / 64Mbps (single HDD mode)
Power Consumption	NVR: < 20W (without HDD)
Power over Ethernet	N/A
Power Supply	100 ~ 240VAC, 50 ~ 60Hz
Record Interval	1~120 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual, Schedule (Regular/ MD (Motion Detection)/ Alarm, IVS/ Holiday/ Stop
Remote View	iOS (iPhone®, iPad®) / Android devices / Windows® Phone
Search Modes	Time/Date, Alarm, Motion Detect, Exact search
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Two-way Talk	1 channel input / 1 channel output / RCA
USB Interface	4 ports: Rear USB3.0 / Front USB2.0
Video Compression	H.265 / H.264 / MJPEG
Video Detection	Motion Detection, MD Zones: 396 (22 x 18), Video Loss and Tampering
Video Input	128 channel
Video Output	2 x HDMI / 1 VGA
Weight	9kg (without HDD)







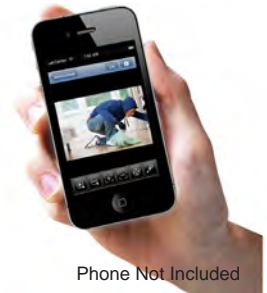
## □ NVR Kits VIP

### WATCHGUARD 4 CHANNEL KIT NVR4COMPACK

#### 1TB INCLUDED - OPTIONAL MONITOR AVAILABLE WITH A KIT

The Watchguard NVR4COMPACK is a compact, high definition surveillance system ideal for homes and small businesses. This CCTV package includes 4 x 2.0 megapixel, weather resistant cameras capable of recording 2.0MP (1920 x 1080) high definition footage in real-time 25fps.

- Record HD 2.0MP (1920 x 1080) at 25fps real-time
- Built-in 4 port PoE switch for easy install
- Display in HD with HDMI video output
- Infrared, IP67 cameras for all applications
- Pre-installed Surveillance Type premium Hard-Disk drive
- All HDMI, CAT5 and power cables included
- Remote view in seconds with setup via QR code
- View on iOS, Android & Windows Phone
- Watchguard™ 4 Channel Compact NVR with built in PoE
- 4 x 2.0MP infrared metal weather resistant cameras
- CAT5 cabling for cameras: 2 x 10m, 1 x 20m, 1 x 30m
- CAT5 patch cable for networking: 1 x 1.5m



Channel	Camera	Hard Disk	Monitor	Code
4CH	2x Bullet 2x Dome	1TB	No	DVR700
4CH	2x Bullet 2x Dome	1TB	18"	DVR701
4CH	2x Bullet 2x Dome	1TB	24"	DVR702
4CH	4x Bullet	1TB	No	DVR703
4CH	4x Bullet	1TB	18"	DVR704
4CH	4x Bullet	1TB	24"	DVR705
4CH	4x Dome	1TB	No	DVR706
4CH	4x Dome	1TB	18"	DVR707
4CH	4x Dome	1TB	24"	DVR708

### WATCHGUARD 8 CHANNEL KIT NVR8COMPACK

#### 2TB INCLUDED - OPTIONAL MONITOR AVAILABLE WITH A KIT

Channel	Camera	Hard Disk	Monitor	Code
8CH	4x Bullet 4x Dome	2TB	No	DVR710
8CH	4x Bullet 4x Dome	2TB	18"	DVR711
8CH	4x Bullet 4x Dome	2TB	24"	DVR712
8CH	8x Bullet	2TB	No	DVR713
8CH	8x Bullet	2TB	18"	DVR714
8CH	8x Bullet	2TB	24"	DVR715
8CH	8x Dome	2TB	No	DVR716
8CH	8x Dome	2TB	18"	DVR717
8CH	8x Dome	2TB	24"	DVR718



### WATCHGUARD 16 CHANNEL KIT NVR16COMPACK

#### 4TB INCLUDED - OPTIONAL MONITOR AVAILABLE WITH A KIT

Channel	Camera	Hard Disk	Monitor	Code
16CH	8x Bullet 8x Dome	4TB	No	DVR720
16CH	8x Bullet 8x Dome	4TB	18"	DVR721
16CH	8x Bullet 8x Dome	4TB	24"	DVR722
16CH	16x Bullet	4TB	No	DVR723
16CH	16x Bullet	4TB	18"	DVR724
16CH	16x Bullet	4TB	24"	DVR725
16CH	16x Dome	4TB	No	DVR726
16CH	16x Dome	4TB	18"	DVR727
16CH	16x Dome	4TB	24"	DVR728



18" Monitor Option



24" Monitor Option





## VIP 4 CHANNEL KIT NVR4PROPACK3HD

### PROFESSIONAL 4 CHANNEL 2.0MP IP SURVEILLANCE KIT

The VIP Vision DVR730 is a complete 4 channel network surveillance system, built for rapid installation and impressive results. It is an ideal CCTV package for business and residential applications, especially in small retail environments. It is easy to achieve excellent high definition security, up to 2.0 megapixel resolution at 25fps, with the DVR730 Connecting cameras is performed quickly thanks to the built-in 4 port power over Ethernet switch and included pre-terminated CAT5 cables. This kit comes with a pre-installed 1TB surveillance-grade hard drive, providing reliable footage storage and faster installation. Footage can also be exported via USB device or over the network. Enabling remote view is just as simple as installation with the QR code configuration tool. Simply connect the NVR to the Internet and scan the QR code with your smartphone to automatically configure remote view on your device. Remote view compatible with iOS, Android and Windows Phone. QR code for iOS and Android only.

**IP  
KITS**

- VIP Vision™ 4 Channel Professional NVR with built in PoE
- New Quad-core embedded processor for better performance
- 200M bandwidth with H.265/H.264 Video compression support
- Pre-installed 1TB surveillance hard disk drive
- 2 x 2.0MP 50m infrared weather resistant dome cameras
- 2 x 2.0MP 40m infrared weather resistant bullet cameras
- CAT5 cabling for cameras: 2 x 10m, 1 x 20m, 1 x 30m
- CAT5 patch cable for networking: 1 x 1.5m



Channel	Camera	Hard Disk	Monitor	Code
4CH	2x Bullet 2x Dome	1TB	No	DVR730
4CH	2x Bullet 2x Dome	1TB	18"	DVR731
4CH	2x Bullet 2x Dome	1TB	24"	DVR732
4CH	4x Bullet	1TB	No	DVR510
4CH	4x Bullet	1TB	18"	DVR511
4CH	4x Bullet	1TB	24"	DVR512
4CH	4x Dome	1TB	No	DVR555
4CH	4x Dome	1TB	18"	DVR556
4CH	4x Dome	1TB	24"	DVR557



## VIP 8 CHANNEL KIT NVR8PROPACK6HD

### PROFESSIONAL 8 CHANNEL 2.0MP IP SURVEILLANCE KIT

Channel	Camera	Hard Disk	Monitor	Code
8CH	4x Dome + 4x Bullet	2TB	No	DVR515
8CH	4x Dome + 4x Bullet	2TB	18"	DVR516
8CH	4x Dome + 4x Bullet	2TB	24"	DVR517
8CH	8x Bullet	2TB	No	DVR735
8CH	8x Bullet	2TB	18"	DVR736
8CH	8x Bullet	2TB	24"	DVR737
8CH	8x Dome	2TB	No	DVR560
8CH	8x Dome	2TB	18"	DVR561
8CH	8x Dome	2TB	24"	DVR562



## VIP 16 CHANNEL KIT NVR16PROPACK6HD

### PROFESSIONAL 16 CHANNEL 2.0MP IP SURVEILLANCE KIT

Channel	Camera	Hard Disk	Monitor	Code
16CH	8x Bullet + 8x Dome	4TB	No	DVR520
16CH	8x Bullet + 8x Dome	4TB	18"	DVR521
16CH	8x Bullet + 8x Dome	4TB	24"	DVR522
16CH	16x Bullets	4TB	No	DVR740
16CH	16x Bullets	4TB	18"	DVR741
16CH	16x Bullets	4TB	24"	DVR742
16CH	16x Dome	4TB	No	DVR565
16CH	16x Dome	4TB	18"	DVR566
16CH	16x Dome	4TB	24"	DVR567



18" Monitor Option



24" Monitor Option





## IP Cameras VIP

### IP CAMERA FISHEYE DOME - VIP 12MP

#### FIXED LENS WITH IR

Designed to perform the duties of multiple cameras, the Fisheye range from VIP Vision transforms your surveillance experience through panoramic and virtual PTZ modes.

- Stream up to 12.0 megapixel (4000 x 3000) at 15fps
- 1.57mm circular fisheye lens with 185° (H/V/D) viewing angle
- Five fisheye image dewarp modes including ePTZ & panorama
- Day/night (auto ICR) with 10m maximum infrared range
- 3D digital noise reduction and auto white balance
- MicroSD card slot for at-the-edge recording, up to 64GB
- Audio and alarm interface input/outputs
- Power via 12VDC or Power over Ethernet (802.3af)
- IP67/IK10 weather/vandal resistant housing for external use
- ONVIF, PSIA and CGI compliance

OEM	VSIP12MPFEIR
Outdoor	IP67
CCD	12M CMOS 1/2.3"
Resolution	4000x3000px
Lens	1.57mm
Lens type	Fixed
FOV	185°
Size	51x150mmØ
LUX	0.01
IR	10m
Power	12Vdc / PoE
Code	CAM390



### IP C/CS MOUNT FULL BODY CAMERA - VIP 12MP

Go beyond Ultra High Definition. Ensure you have the video evidence when it matters most with footage six times the image resolution of full high definition 1080p.

OEM	VSIP12MPFB
Outdoor	-
CCD	12M CMOS 1/2.3"
Resolution	4000x3000px
Lens	Lens not included
Lens type	Sold Separately
FOV	-
Size	74 x 66 x 135mm
LUX	0.1
IR	-
Power	12Vdc / 24Vac / PoE
Code	CAM386



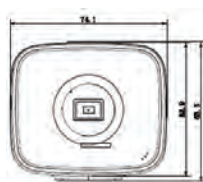
LENS IS SOLD SEPARATELY



#### 6.0 MEGAPIXEL AUTO IRIS C-MOUNT LENS

6 Megapixel, DC auto iris lens for use in C-mount compatible full body IP cameras.

Zoom	4.1 - 9mm
FOV	100° - 45°
Aperture	F1.6
Size	67x46mmØ
Mount	C
Resolution	6 Megapixel
Iris	Auto
Code	LNZ361







## IP FIXED PINHOLE BULLET - VIP 1.3MP

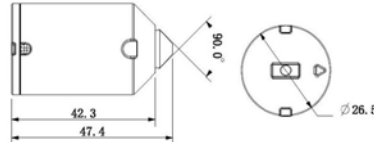
This wide-dynamic IP pinhole camera is designed for discreet/covert surveillance applications and is ideal for use at controlled ingress points, in shelf surveillance, in-vehicles, ATMs and more.

This camera features an image sensor/lens separated by an 8m cable connected to a control unit and is connected via USB port. The VSIP1MPPH comes standard with:

- 1 x Adhesive-fastened flush mount bracket for pinhole mounting
- 1 x Screw-on clamp to secure pinhole camera
- 1 x Mounting kit for control unit with wall-plugs & screws



OEM	VSIP1MPPH
Outdoor	IP66
CCD	1.3M CMOS 1/3"
Resolution	1280 x 960px
Lens	3.7mm
Lens type	Fixed
FOV	77°
Size	110 x 83 x 24mm
LUX	0.01
IR	-
Power	12Vdc / PoE
Code	CAM401



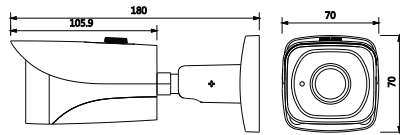
## IP CAMERA MINI BULLET - VIP 2.0MP

### FIXED LENS WITH IR

High performance fixed-lens surveillance in a compact body. Each bullet in this series offers professional features to take your surveillance to the next level, including true WDR, efficient H.265 compression and face detection.



OEM	VSIP2MPFBMINIIRV3
Outdoor	IP67
CCD	2.0MP CMOS 1/2.8"
Resolution	1920x1080px
Lens	3.6mm
Lens type	Fixed
FOV	87°
Size	70x70x180mm
LUX	0.009
IR	40m
Power	12Vdc/PoE
Code	CAM367



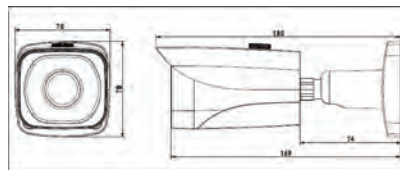
## IP CAMERA MINI BULLET - VIP 4MP

### FIXED LENS WITH IR

Takes fixed-lens IP surveillance to professional standards. Experience twice the resolution of full HD 1080p, wide dynamic range and smart detection features such as face detection.



OEM	VSIP4MPFBMINIIR
Outdoor	IP67
CCD	4.0M CMOS 1/3"
Resolution	2560x1440px
Lens	3.6mm
Lens type	Fixed
FOV	84°
Size	70x70x180mm
LUX	0.01
IR	40m
Power	12Vdc / PoE
Code	CAM388







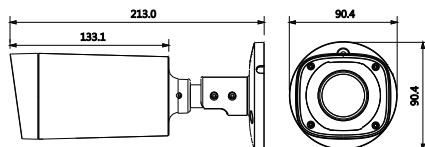
## IP CAMERA BULLET ZOOM - VIP 4MP

### MOTORISED ZOOM WITH IR

The CAM410 professional bullet camera features a motorised varifocal lens for remote configuration of focal length, allowing you to enjoy hassle free surveillance installation and adjustment should your surveillance requirements or environment change.



OEM	VSIP4MPFBIRM2.8-12
Outdoor	IP67
CCD	4.0M 1/3" CMOS
Resolution	2688x1520mm
Lens	2.8 ~ 12mm
Lens type	Motorised Zoom
FOV	100° ~ 35°
Size	213x72x80mm
LUX	0.1
IR	60m
Power	12Vdc / PoE
Code	CAM410



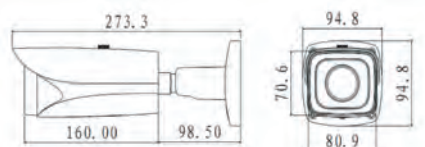
## IP CAMERA BULLET ZOOM - VIP 2MP

### MOTORISED ZOOM WITH IR & ULTRA-WDR

The ultimate in low-light and wide dynamic range. This camera's large sensor and WDR provide impressive detail retention in colour in even the most challenging of lighting conditions.



OEM	VSIP2MPFBIRL
Outdoor	IP66
CCD	2.0M CMOS 1/1.9"
Resolution	1920x1080px
Lens	4 - 8mm
Lens type	Motorised Zoom
FOV	90°~58°
Size	273 x 95mmØ
LUX	0.005
IR	50m
Power	12Vdc / PoE
Code	CAM395



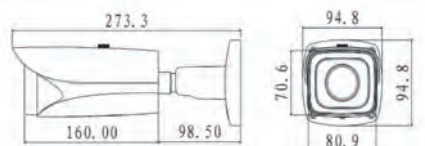
## IP CAMERA BULLET ZOOM - VIP 4MP

### MOTORISED ZOOM WITH IR & WDR

This multi-talented bullet camera offers superb performance, no matter the lighting conditions, with the features you need to build professional grade surveillance solutions.



OEM	VSIP4MPFBIRM
Outdoor	IP67
CCD	4.0M CMOS 1/3"
Resolution	2560x1440px
Lens	2.7 - 12mm
Lens type	Motorised Zoom
FOV	100°~33°
Size	273x95mmØ
LUX	0.01
IR	50m
Power	12Vdc / PoE
Code	CAM391







## IP CAMERA BULLET ZOOM - VIP 12MP

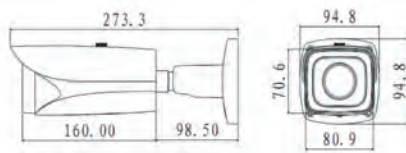
### MOTORISED ZOOM WITH IR

The best in image resolution and professional features in a single camera. Be amazed with broadcast quality Ultra HD resolution video, streamed in real-time up to 16Mbps.

- Stream Ultra HD 8.0 megapixel (3840 x 2160) at 25fps
- 4.1 ~ 16.4mm motorised lens with 106 ~ 34° viewing angles
- Day/night (auto ICR) with 50m maximum infrared range
- Digital wide dynamic range with back/highlight compensation
- 3D digital noise reduction and auto white balance
- MicroSD card slot for at-the-edge recording, up to 128GB
- Audio and alarm interface input/output; BNC video output
- Supports triple stream and smart detection technologies
- IP67 weather resistant housing for external use
- ONVIF, PSIA and CGI compliance



OEM	VSIP12MPFBIRMV2
Outdoor	IP67
CCD	12M CMOS 1/1.7"
Resolution	4000x3000px
Lens	4.1 - 16.4mm
Lens type	Motorised Zoom
FOV	86°~35°
Size	273x95x95mm
LUX	0.02
IR	50m
Power	12Vdc / 24Vac / PoE
Code	CAM393



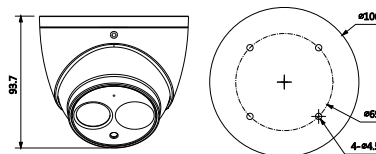
## IP CAMERA MINI DOME - VIP 2.0MP

### AS SUPPLIED WITH THE VIP KITS

Takes an economical fixed-lens IP surveillance camera to professional standards. Experience full HD 1080p resolution, true wide dynamic range and smart detection, in an IP67 rated full metal housing.



OEM	VSIP2MPVDMINIIRC3.6
Outdoor	IP67
CCD	2.0M 1/2.7" CMOS
Resolution	1920x1080px
Lens	3.6mm
Lens type	Fixed
FOV	91°
Size	94x106mmØ
LUX	0.01
IR	30m
Power	12Vdc / PoE
Code	CAM407

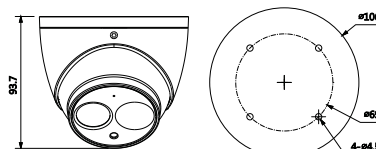


## IP CAMERA MINI DOME - VIP 4.0MP

### WDR H.265 ITU-T VCEG

Takes fixed-lens IP surveillance to professional standards. Experience full HD 1080p, twice the resolution of full HD 1080p, true wide dynamic range and smart detection, in an IP67 rated full metal housing. This dome features H.265 ITU-T VCEG, the new video coding standard.

OEM	VSIP4MPVDMINIIRCB3.6
Outdoor	IP67
CCD	4.0M CMOS 1/3"
Resolution	2688 x 1520px
Lens	3.6mm
Lens type	Fixed
FOV	87°
Size	94x106mmØ
LUX	0.08
IR	30m
Power	12Vdc / PoE
Code	CAM651







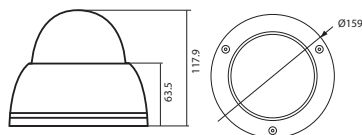
## IP CAMERA DOME ZOOM - VIP 12MP

### MOTORISED ZOOM WITH IR

The best in image resolution and professional features in a single camera. Be amazed with broadcast quality Ultra HD resolution video, streamed in real-time up to 16Mbps.

- Stream Ultra HD 12 megapixel (4000 x 3000) at 20fps
- H.265 encoding for ultra-low bitrate video transmission
- 4.1 ~ 16.4mm motorised lens with 106 ~ 32° viewing angles
- Day/night (auto ICR) with 50m maximum infrared range
- Wide dynamic range (120dB) with back/highlight compensation
- 3D digital noise reduction and auto white balance
- MicroSD card slot for at-the-edge recording, up to 128GB
- Audio and alarm interface input/output; BNC video output
- Supports triple stream and smart detection technologies
- IP67/IK10 weather/vandal resistant housing for external use

OEM	VSIP12MPVDIRMV2
Outdoor	IP67 IK10
CCD	12M CMOS 1/1.7"
Resolution	4000x3000px
Lens	4.1 - 16.4mm
Lens type	Motorised Zoom
FOV	106°~32°
Size	118x159mmØ
LUX	0.05
IR	50m
Power	12Vdc / PoE
Code	CAM394



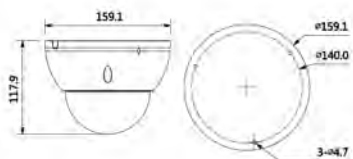
## IP CAMERA DOME ZOOM - VIP 8MP

### MOTORISED ZOOM WITH IR

The IP camera that does it all. This Ultimate Series IP dome offers the widest feature set available in the VIP Vision range, with alarm and audio I/O, composite video test output, on-body zoom adjustment, microSD, vandal/weather resistant housing and more. Now in 8.0MP resolution, experience Ultra HD image quality with the latest H.265 efficient video compression technology.

- Stream up to 8.0 Megapixel (3840 x 2160) at 15fps
- 2.7 ~ 12mm motorised lens with 102 ~ 39° viewing angles
- Day/night (auto ICR) with 50m maximum infrared range
- Backlight/highlight compensation with Digital WDR
- 3D digital noise reduction and auto white balance
- MicroSD card slot for at-the-edge recording, up to 128GB
- Audio and alarm interface input/output; BNC video output
- Smart detection including face detection
- IP67 and IK10 rated housing for external use
- ONVIF, PSIA and CGI compliance

OEM	VSIP8MPVDIRM
Outdoor	IP67
CCD	8.0M CMOS 1/2.5"
Resolution	3840 x 2160
Lens	2.7 ~ 12mm
Lens type	Motorised
FOV	102° ~ 39°
Size	118x159mmØ
LUX	0.05
Power	12Vdc / PoE
IR	-
Code	CAM408







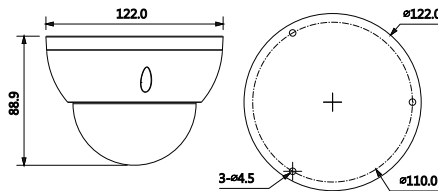
## IP CAMERA DOME ZOOM - VIP 4MP

### MOTORISED ZOOM WITH IR

The VIP Vision CAM409 is a 4.0 Megapixel varifocal IP dome camera capable of streaming up to 4.0MP (2688x1520px) high definition footage. With 30m infrared range for low light/night video capture and a motorised varifocal 2.8~12mm lens to customise focal length from the NVR. The camera housing is IK10 vandal resistant and IP67 rated, making it suitable for outdoor surveillance.

- Stream up to 4.0MP (2688 x 1520, 16:9 ratio) at 20fps
- Motorised lens & fixed iris for up to 4x optical zoom
- 30m infrared range; true day/night (auto ICR)
- MicroSD slot for recording at the edge up to 128GB
- Back/highlight compensation & true WDR (120dB)
- 3D digital noise reduction & auto white balance
- IP67/IK10 weather/vandal rated dome housing
- ONVIF, PSIA and CGI compliance

OEM	VSIP4MPVDIRM2.8-12
Outdoor	IP67
CCD	4.0M CMOS 1/3"
Resolution	2688x1520px
Lens	2.8 ~ 12mm
Lens type	Motorised Zoom
FOV	100° ~ 35°
Size	89x121mmØ
LUX	0.1
IR	30m
Power	12Vdc / PoE
Code	CAM409



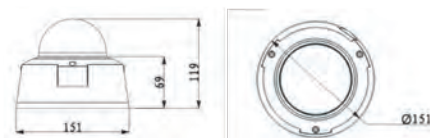
## IP CAMERA DOME ZOOM - VIP 2MP

### MOTORISED ZOOM WITH IR - ULTRA WDR 120dB

The ultimate in low-light and wide dynamic range. This camera's large sensor and a wide dynamic range of 120dB provides impressive detail retention in colour in even the most challenging of lighting conditions. Supports triple stream and smart detection technologies. Audio and alarm interface input/output; BNC video output Electronic image stabilisation, defog and 4 area privacy masking. Vandal proof IK10.

- Stream up to 2.0 megapixel (1920 x 1080) at 50fps
- Excellent low light colour performance 0.005 Lux at F/1.65
- 4 ~ 8mm motorised lens with 105 ~ 56° viewing angles
- Electronic image stabilisation, defog and 4 area privacy masking
- Day/night (auto ICR) with 30m maximum infrared range
- Wide dynamic range (120db) with back/highlight compensation
- MicroSD card slot for at-the-edge recording, up to 64GB
- Supports triple stream and smart detection technologies
- Audio and alarm interface input/output; BNC video output
- ONVIF, PSIA and CGI compliance

OEM	VSIP2MPVDIRL
Outdoor	IP66 IK10
CCD	2.0M CMOS 1/1.9"
Resolution	1920x1080px
Lens	4 - 8mm
Lens type	Motorised
FOV	105°~56°
Size	119x151mmØ
LUX	0.005
IR	30m
Power	12Vdc / 24Vdc / PoE
Code	CAM396





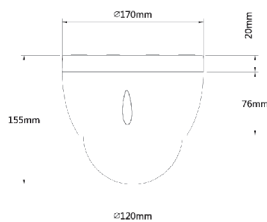


## IP CAMERA PTZ DOME - VIP 2MP

### MOTORISED ZOOM IK10 VANDAL RESISTANT

The VIP Vision Dome Camera is a 2.0 Megapixel IP Mini PTZ surveillance solution capable of streaming beyond 1080p high definition footage. This camera features 2.0MP (1944 x 1092) image resolution, with a motorised varifocal 5.1 ~ 61.2mm lens with up to 12x optical zoom. This is a full featured IP PTZ camera, supports internal micro SD card storage (Up to 128GB) and can store footage locally, providing a truly standalone surveillance system that doesn't require a connection to a central storage device.

OEM	VSIP2MPPTZV2
Outdoor	IP66 IK10
CCD	2.0M CMOS 1 / 2.8"
Resolution	1944x1092px
Lens	5.1 ~ 61.2mm (12X)
Lens type	Motorised
FOV	59.3° ~ 5.2°
Size	155x170mmØ
LUX	0.05
IR	-
Power	24Vac / Hi-PoE / 12W
Code	CAM385

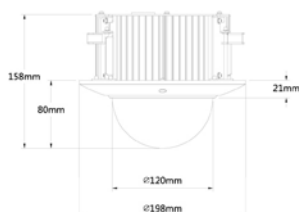


## IP CAMERA PTZ DOME - VIP 2MP

### MINI PTZ RECESSED MOUNT

The VIP Vision Dome Camera with recessed mount is a 2.0 Megapixel IP Mini PTZ surveillance solution capable of streaming beyond 1080p high definition footage. This camera features 2.0MP (1920 x 1080) image resolution, with a motorised varifocal 4.7 ~ 94mm lens with up to 12x optical zoom. This IP PTZ camera supports internal micro SD card storage (Up to 128GB) and can store footage locally, providing a truly standalone surveillance system that doesn't require a connection to a central storage device.

OEM	VSIP2MPPTZCV2
Outdoor	IK10
CCD	2.0M CMOS 1 / 2.8"
Resolution	1920x1080px
Lens	4.7 ~ 94mm
Lens type	Motorised
FOV	56.1° ~ 3.1°
Size	177x198mmØ
LUX	0.05
Power	24Vac / Hi-PoE
Code	CAM387

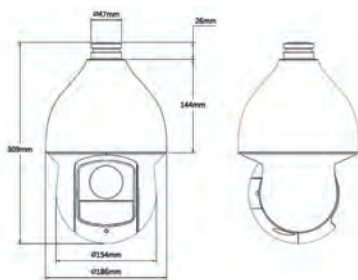


## IP CAMERA PTZ DOME - VIP 2MP

### MOTORISED ZOOM WITH IR

Ideal for large surveillance areas, this speed dome offers more than just rapid response PTZ functionality, featuring recording at the edge and up to 100m infrared range. 20x optical zoom lens. ONVIF, PSIA and CGI compliance. Endless pan. Auto-flip -15° to 90°. 1080p 25fps. 2.0MP max. Tripwire, Intrusion, Abandoned & Missing Object Detection & Face Detection. Configure PTZ patterns, tours, auto-panning/scanning.

OEM	VSIP2MPPTZIR
Outdoor	IP66
CCD	1/2.8" 2.0MP Exmor CMOS
Resolution	1920x1080px
Lens	4.7 - 94mm
Lens type	Motorised
FOV	54.1° ~ 3.2°
Size	309x186mmØ
LUX	0.05 (0.005 B&W)
IR	80m (12Vdc)/100m (24Vac)
Power	24Vac/12Vdc or PoE+
Code	CAM373











## IP Cameras GeoVision

### IP FISHEYE CAMERA - GEOVISION

#### FULL 360° x 180° VISION - FLUSH & SURFACE MOUNT

Fish eye camera that allows you to monitor all angles of a location using just one camera. The distorted hemispherical image of the fish eye camera will be converted into the conventional rectilinear projection. Watch live view and utilize functions such as motion detection, privacy mask, and alert notification through the Web interface using a browser. IP Camera is designed to be mounted on the ceiling, wall or ground. There are two ways to mount on the ceiling, Above Surface Mount and In-Ceiling Mount. In-Ceiling Mount allows the camera to be mounted into the ceiling, revealing a small portion of the camera. Available in standard and Vandal resistant weather proof.

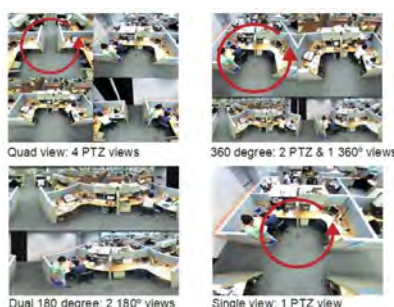
MP	5.0M
FPS	10fps
Resolution	2560x1920
Lens	Fixed
Focal	1.6mm
FOV	360x180°
Power	12Vdc/24Vac/PoE PoE 5W
Size	46x160mmØ
IP Rating	Indoor IP66
Vandal	IK7 IK10
Code	GV-FE521D GV-FER521



#### PENDENT MOUNT

Bell assembly and arm sold separately. Internal screw settings for Geovision. Suits GV-FE521D and GV-FER521

Description	Code
GV-FE Pendant Mount	GV-MOUNT903
GV-FE Wall Arm	GV-MOUNT200



- Camera Modes: You can choose among four view modes.
- Quad view: Composed of four PTZ views.
- 360 degree: Composed of two PTZ views and one 360° panoramic view.
- Dual 180 degree: Composed of two 180° views.
- Single view: Composed of one PTZ view.



### GV-NVR SOFTWARE



The GV-NVR (Network Video Recorder) records video and audio data over TCP/IP networks. With up to 32 channels of pure IP surveillance, the GV-NVR offers the same functions as GV-Series Surveillance System. With additional license, GV-NVR supports up to 32 channels of third-party IP devices. From monitoring features to video analytics as well as integration with LPR, POS/ATM and Access Control systems, it stands as one of the most comprehensive IP surveillance software in the security market.

Combined with GeoVision IP camera, the GV-NVR takes advantage of a better image quality thanks to the progressive scan technology and allows advanced video features such as Picture-In-Picture and Picture-And-Picture. Compatibility with a wide range of third party IP cameras through ONVIF and PSIA makes the GV-NVR the ultimate solution for pure IP surveillance environments.

### IP BULLET CAMERA 3X ZOOM - GEOVISION

Specifically designed for outdoors to IP67 standard protection.

The camera features WDR Pro and IR LEDs for infrared illumination for night vision applications.

With the motorized focus/zoom, users can remotely adjust the focus and zoom from the Web interface.

- 2/3/5 megapixel progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Motorised varifocal lens for remote focus/zoom adjustment
- Intelligent IR (Night switch) IR distance up to 40 m
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)

MP	2.0M	5.0M
Resolution	1920x1080	2560x1920
Lens	Motorised Zoom	Motorised Zoom
Focal	3 ~ 9mm	3 ~ 9mm
IR	40M	40M
IP Rating	IP67	IP67
Vandal	IK10	IK10
Power	12Vdc/24Vac/PoE	12Vdc/24Vac/PoE
Size	240x88mmØ	240x88mmØ
Code	GV-BL2410	GV-BL5310







## IP DOME CAMERA - GEOVISION

### VARIFOCAI MANUAL ZOOM PREMIUM GLASS LENS

Fixed dome IP camera with dual streaming and two way audio. Varifocal lens and day/night IR Illumination. Video Compression H.264, MPEG4 & MJPEG. 12/24/PoE 110x156mmØ

MP	3.0M
Resolution	2048x1536
Lens	Varifocal
Focal	3 ~ 9mm
FOV	86° ~ 31°
IR	25M
IP Rating	Indoor
Vandal	IK7
Size	110x155mmØ
Code	GV-FD3400

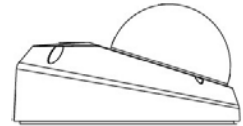


## IP MINI DOME CAMERA - GEOVISION

### 5.0 MEGAPIXEL PoE

Megapixel Mini fixed dome Progressive Scan CMOS camera. M12 lens mounting so can be changed if different FOV required. Video Compression H.264, MPEG4, MJPEG. Built-in microphone. 55x106mmØ

MP	5.0M
Resolution	2560x1920
Lens	Fixed
Focal	2.54mm
FOV	138°
Mount	M12
Power	12Vdc/PoE 6W
Size	56x106mmØ
Code	GV-MFD520



## IP DOME CAMERA - GEOVISION

### VARIFOCAI MANUAL-ZOOM IR ILLUMINATED

Dual stream vandal proof IP camera. IP66 rating with Removable IR-cut filter or IR LEDs for Day/Night. Video H.264, MPEG4 & MJPEG. Audio Compression G.711 & AAC. 1 Digital alarm output. Onvif. Edge recording. 125x165mmØ Flush or surface mount option.



MP	1.3M	1.3M	2.0M	2.0M
FPS	30fps	30fps	30fps	30fps
Resolution	1280x1024	1280x1024	1920x1080	1920x1080
Lens	Varifocal			
Focal	3 ~ 9mm			
FOV	86° ~ 32°		82° ~ 30°	
IR	15M			
Size	125x165mmØ			
Power	12Vdc/24Vac/PoE			
IP Rating	IP67			
Vandal	IK7	IK10+	IK7	IK10+
Code	GV-VD122D	GV-VD120D	GV-VD222D	GV-VD220D

## IP MINI DOME CAMERA RUGGED - GEOVISION

### WEATHER RESISTANT IP67 - VANDAL RESISTANT IK10

Megapixel Mini fixed dome Progressive Scan CMOS camera. M12 lens mounting so can be changed if different FOV required. Video Compression H.264, MPEG4, MJPEG. Built-in microphone. 60x115mmØ

MP	1.3M
FPS	30fps
Resolution	1280x1024
Lens	Fixed
Focal	2.54mm
FOV	101°
Mount	M12
IP Rating	IP67
Vandal	IK10
Code	GV-MDR120







# Security & Surveillance

## IP Cameras Misc

### CLOUD CAMERA TP-LINK

#### LIVE STREAMING FROM YOUR CAMERA FOR REMOTE VIEWING

Stable and fast 300Mbps wireless connectivity  
E-mail or FTP notifications triggered by Motion Detection  
Easily install, configure and view with tpCamera App on iOS or Android  
tpincloud.com portal for easy viewing and management

- Stable and fast 300Mbps wireless connectivity
- E-mail or FTP notifications triggered by Motion Detection
- 1/4" progressive scan CMOS sensor produces clear and crisp images
- 0.3 Megapixel (640 x 480) resolution
- Real-time MJPEG compression to fit various bandwidth environments
- 4x digital zoom for close-up viewing
- Built-in microphone
- Easily install, configure and view with tpCamera App on iOS or Android
- tpincloud.com portal for easy viewing and management
- Wi-Fi Protected Setup (WPS) push button for easy network setup
- Instantly eliminate dead zones and expand your wireless network
- DC power supply included
- Size: 96 x 61 x 24mm

#### Code

TL-NC200



Note: Requires upload data bandwidth



### TP-LINK CLOUD CAMERA NIGHTVISION

#### STREAM AT HOME OR OVER THE INTERNET

With the tpCamera app for your smartphone or tablet, you can record videos, take pictures or just check up on what's happening wherever there is Internet. NC220 helps you always be there, even when you are not.

- Enables you to view up to 5M, even in total darkness
- Real-time H.264 compression to fit various bandwidth environments
- Stable and fast 300Mbps wireless connectivity
- 1/4" CMOS 0.3M (640x480px) 30fps FOV 64° + Microphone
- E-mail or FTP notifications triggered by Motion Detection
- Easily install, configure and view with tpCamera App on iOS or Android devices
- tpincloud.com portal for easy viewing and management

#### Code

TL-NC220



Note: Requires upload data bandwidth

### IP CAMERA WIRELESS PAN/TILT VGA WIFI

#### WIFI REMOTE CONTROL OF PAN & TILT

Connect to IP Network via CAT5e or WiFi.  
IR LED for night vision.  
Inbuilt Mic & Speaker.  
View via browser.  
VGA 640x480px.

#### Code

CAM353







## IP CAMERAS - LEVELONE



## IP CAMERA WIRELESS PAN/TILT - LEVELONE 2M

Supports 1920 x 1080px resolution for 2M True-HD resolution  
Compatible with IEEE 802.11b/g/n wireless standards  
Built-in infrared LEDs for night viewing up to 10m  
Supports 355° pan and 135° tilt with digital zoom  
Supports 2 video streams simultaneously H.264/MJPEG  
Built-in SD/SDHC card slot for local storage  
2-way audio. Digital input/output (1DI/1DO) for sensor and alarm  
Supports motion detection and event notification via e-mail or FTP  
Free 64-channel monitoring software included (and iCamSecure App)



Wireless	WiFi 300M
CCD	2M CMOS 1/2.7"
Resolution	1920x1080px
Lens	4mm
Lens type	Fixed
FOV	62°
Size	105x110x105mm
LUX	1.5
IR	-
Power	12Vdc
Code	WCS-6020



## IP CAMERA WIRELESS PAN/TILT - LEVELONE 5M

Pan/Tilt and digital Zoom. 355° x 135° pan/tilt. Inbuilt IR LED for 10M night viewing. Audio I/O. Ext I/O port. USB expansion port for WiFi or DVR storage.



Wireless	WiFi 300M
CCD	5M CMOS 1/3.2"
Resolution	2560x1920px
Lens	4mm
Lens type	Fixed
FOV	62°
Size	105x110x105mm
LUX	1.5
IR	-
Power	12Vdc
Code	WCS-6050



## 2M PANORAMIC ePTZ IP CAMERA LEVELONE

2 Megapixel 1600x1200px with panoramic wide-angle views.  
Electronic PTZ software. Built-in MicroSD DVR.  
External connections for alarm trigger and audio.

Outdoor	-
CCD	2M CMOS 1/3"
Resolution	1600x1200px
Lens	1.25mm
Lens type	Fixed
FOV	185°
Size	81x81x52mm
LUX	1.5
IR	-
Power	12Vdc 2A
Code	FCS-0071



PoE 360° x 180°



## 1.3M WIRELESS DESKTOP IP CAMERA LEVELONE

1/5" CMOS Sensor in 1280 X 960 resolution  
H.264, MPEG-4 and MJPEG Compression (Triple Codec)  
Multiple Simultaneous Streams  
Support 802.11n wireless mode  
Support Reset+WPS button (2 in 1)  
Built-in microphone and an audio out jack for bi-directional audio  
Supports 16x digital zoom and ePTZ for data efficiency  
Supports Motion/Audio Detection  
Event Notification via E-mail, FTP and HTTP  
Free software included 64-channel IP CamSecure™



Wireless	WiFi 150M
CCD	1.3M CMOS 1/5"
Resolution	1280x960px
Lens type	Fixed
Size	142x115x42mm
IR	-
Power	12Vdc
Code	WCS-0040



## IP CAMERA WIRELESS DESKTOP - LEVELONE 1M

Megapixel (1280 x 800) high-definition resolution. Easy Internet monitoring via configuration free Level1DNS™ service. Supports iPhone®/smartphone/PDA remote viewing over the Internet. Provides wireless speed up to 150Mbps. Simple wireless connectivity and security with WPS push button. Supports motion detection and event notification via e-mail or FTP. Supports 2 video streams simultaneously. Free 64-channel monitoring software and iCamSecure App



Wireless	WiFi 150M
CCD	1M CMOS 1/4"
Resolution	1280x800px
Lens	3.6mm
Lens type	Fixed
FOV	55.7°
Size	34x70x105mm
LUX	1
IR	-
Power	12Vdc 1A
Code	WCS-0050







## IP BULLET CAMERA WITH IR LEDs - LEVELONE 2M

2-Megapixel (1920 x 1080) high-definition resolution fixed lens  
Built-in infrared LEDs for night viewing up to 25 metres  
Features WDR & 3DNR (3-Dimension Noise Reduction) to produce extremely clear picture quality even under low light condition  
Built-in Micro SD/SDHC card slot for local storage  
Digital input/output (1DI/1DO) for sensor / alarm, BNC analog video  
Triple power support: 12VDC/24VAC/PoE (IEEE 802.3af)  
Free 64-channel monitoring software included (and iCamSecure App)

Outdoor	IP66
CCD	2M CMOS 1/2.7"
Resolution	1920x1080px
Lens	3.6mm
Lens type	Fixed
FOV	87.6°
Size	195x90x90mm
LUX	0.2
IR	25M
Power	12Vdc/24Vac/PoE
Code	FCS-5051



## IP BULLET CAMERA WITH IR LEDs - LEVELONE 5M

5-Megapixel (2592 x 1944) high-definition resolution with fixed lens  
Built-in infrared LEDs for night viewing up to 25 metres  
Features WDR & 3DNR (3-Dimension Noise Reduction) to produce extremely clear picture quality even under low light condition  
Built-in Micro SD/SDHC card slot for local storage  
Digital input/output (1DI/1DO) for sensor / alarm, BNC analog video  
Triple power support: 12VDC/24VAC/PoE (IEEE 802.3af)  
Free 64-channel monitoring software included (and iCamSecure App)

CCD	5M CMOS 1/2.5"
Outdoor	IP66
Resolution	2592x1944px
Lens	4mm
Lens type	Fixed
FOV	57°
Size	195x90x90mm
LUX	0.1
IR	30M
Power	24Vac/PoE+
Code	FCS-5061



## IP CAMSECURE PRO MEGA SURVEILLANCE

Monitor up to 64 channels simultaneously  
Dual monitor supported for live view and playback simultaneously  
"Smart guard" event analysis and instant response to monitor larger areas more efficiently  
"Smart search" for easy locating of recorded events as well as multi-events viewer and filter  
"Counting application" for objects amount control  
Supports Web-based and 3G mobile remote monitoring  
Broadcast live video over the Internet for remote viewing  
Support both digital and analogue cameras in one system  
Control pan/tilt/zoom features on cameras

Channel	Code
4 CH	FCS-9404
8 CH	FCS-9408
16 CH	FCS-9416
25 CH	FCS-9425
36 CH	FCS-9436
64 CH	FCS-9464



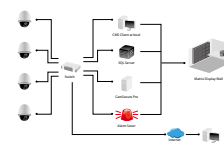
## CMS CENTRAL MANAGEMENT SYSTEM

Client-server distributed architecture & centralized management  
Access and control unlimited cameras, I/O devices, operator clients and display matrices. Unlimited layers of E-map indicates cameras, I/O devices and server locations. Multiple servers can be located at multiple sites.

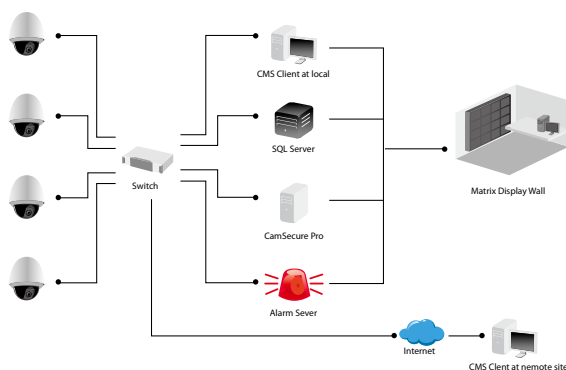
Real time alarm management and instruct the operator to respond  
Unlimited Matrix display wall that stream and display live video from CamSecure Pro. H.264, MPEG4, MJPEG, MxPEG compressions  
Supports Windows@7/8 64-bit



Type	Code
CMS Base Software	FCS-9900
Extra Cam Channel	FCS-9900-CH
Extra I/O Channel	FCS-9900-IO
Access Control License	FCS-9900-AC



## FREE 64-CHANNEL SOFTWARE (iCAMSECURE APP)



**PRO GRADE SOFTWARE AVAILABLE:** Client-server distributed architecture & centralized management. Access and control unlimited cameras, I/O devices, operator clients and display matrices. Unlimited layers of E-map indicates cameras, I/O devices and server locations. Multiple servers can be located at multiple sites. Real time alarm management and instruct the operator to respond Unlimited Matrix display wall that stream and display live video from CamSecure Pro.



## FREE ANDROID & iOS APP

OneSecure included ia a 64 Channel Local IP software for any browser PC and Free Mobile Devices App for remote viewing and control.







## IP CAMERA VANDAL IK08 DOME - LEVELONE 3M

3-Megapixel high-definition resolution  
Vandal-proof IK08-rated housing  
Compression: H.264/MJPEG  
Power support: PoE (IEEE 802.3af)  
Built-in Micro SDHC/SDXC card slot for local storage  
Free video surveillance and CMS (Central Management System) software with 64-channel license



Outdoor	-
CCD	3.0M CMOS 1/3.2"
Resolution	2048x1536px
Lens	2.93mm
Lens type	Fixed
FOV	83.3°
Size	110x58x110mm
LUX	0.1
IR	No
Power	PoE
Code	FCS-3054



## IP CAMERA DOME WITH IR LEDs - LEVELONE 2M

2-Megapixel 1/2.7" Progressive Scan CMOS, 1920x1080p 30fps  
Removable IR-cut filter for day and night surveillance  
Supports 2 video streams simultaneously: H.264/MPEG-4/MJPEG  
Built-in infrared LEDs for night viewing up to 10 metres  
Built-in Micro SD/SDHC card slot for local storage  
Built-in microphone for audio monitoring  
Dual power support: 12VDC/PoE (IEEE 802.3af)  
Free 64-channel monitoring software included (and iCamSecure App)

Outdoor	-
CCD	2M CMOS 1/2.7"
Resolution	1920x1080px
Lens	4mm
Lens type	Fixed
FOV	62°
Size	92x62mmØ
LUX	1
IR	10M
Power	12Vdc/24Vac/PoE
Code	FCS-3101



## IP CAMERA PANORAMIC DOME - LEVELONE 2M

1/3" Progressive CMOS 2-Megapixel, 1600x1200  
360° Fish-Eye panoramic wide angle view  
5 different video modes including digital PTZ function  
High performance video decoder to decrease image distortion  
Supports Motion Detection  
Micro SD/SDHC card slot for local storage  
Dual power support: DC12V/PoE(802.3af)  
2-Way audio with built-in microphone and speaker  
Free 64-CH Monitoring Software and iCamSecure Apple App

Outdoor	-
CCD	2M CMOS 1/3.2"
Resolution	1920x1080px
Lens	1.25mm
Lens type	Fixed
FOV	180°
Size	180x180x55mm
LUX	1.5
IR	-
Power	12Vdc/PoE
Code	FCS-3091



## IP CAMERA PAN TILT DOME - LEVELONE 2M

2-Megapixel 1/2.7" Progressive Scan CMOS, 1080p up to 30fps  
Pan range: 200°, Tilt range: 70°, Auto pan and patrol mode  
Support unique features for auto-tracking function of moving objects  
Built-in infrared LEDs for night viewing up to 10 metres  
Compression: H.264/MPEG-4/MJPEG  
Built-in microphone for audio monitoring  
Built-in Micro SD/SDHC card slot for local storage  
Dual power support: 12VDC/PoE (IEEE 802.3af)  
Free 64-channel monitoring software included (and iCamSecure App)

Outdoor	-
CCD	2M CMOS 1/2.7"
Resolution	1920x1080px
Lens	4mm
Lens type	Fixed
FOV	62°
Size	92x62mmØ
LUX	1
IR	10M
Power	12Vdc/PoE
Code	FCS-4101



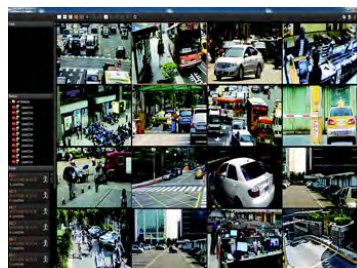
## ONESECURE ONVIF CAMERA SOFTWARE

Free bundle 64 Channels. License fee is required to unlock additional non-LevelOne Onvif compatible cameras.  
Recording and Live view local Channels  
Synchronized playback local Channels  
Export video with RAW and AVI formats  
Event trigger, response and notification  
Mobile Client, Web Client, Workstation  
Location-based management with eMap  
Smart search function



Non-Level1 camera supported via licensed Camera Device Pack - license fee is required

Code  
FCS-9364



## IP CAMERA DOME VANDAL 1K10 - LEVELONE 5M

5-Megapixel (2592 x 1944) high-definition resolution  
Weatherproof IP67-rated (-40°C to 50°C) for harsh environments  
Features WDR to enhance visibility extremely bright or dark viewing  
Vandal-proof IK10-rated housing  
Built-in infrared LEDs for night viewing up to 30 metres  
Removable IR-cut filter for day and night surveillance  
Compression: H.264/MJPEG, Power support: PoE (IEEE 802.3af)  
Built-in Micro SDHC/SDXC card slot for local storage  
Free video surveillance and CMS software with 64-channel license

Outdoor	IP67
CCD	5.0M CMOS 1/3.2"
Resolution	2592x1944px
Lens	2.8-12mm
Lens type	Vari-focal
FOV	69.2° - 28.2°
Size	150x117x150mm
LUX	0.1
IR	30M
Power	PoE
Code	FCS-3083







# Security & Surveillance

## □ NVR TRI-BRID Multi-System

### TVR TRI-BRID VIDEO RECORDER - DVR & NVR & CVR - VIP VISION TVR16 SERIES

#### 16 CHANNEL ANALOGUE & UP TO 32 CHANNEL IP

The Secureview Tri-brid video recorder combines analogue, HD-CVI (HD video over coax) and IP camera recording in a single system. This allows any combination of 16 camera inputs, including a maximum of 32 IP camera inputs, making it a truly versatile option for a larger range of installation solutions. The flexibility in camera inputs makes the system perfect for multistaged upgrades and system expansions. Individual analogue cameras can be upgraded to high definition HD-CVI or IP models without having to run parallel machines. The TVR16 has two LAN ports allowing for a physically separate connection for cameras and auxiliary networks. Each input channel can record at a maximum resolution of 2.0MP (1080p TrueHD). It also features 8 internal SATA hard drive bays allowing for a total of 80TB of storage (using 10TB drives). Backup functionality is available via USB, optional DVD drive and network connection. The machine is compatible with VIP Vision remote access software for Windows® desktop, Windows® Phone, iPhone® and Android devices.

- Records 25fps at 2.0MP Full HD (1920 x 1080)
- Supports Analogue, HDCVI & IP Cameras
- 8 x SATA ports for up to 80TB HDD capacity
- Remote view in seconds with setup via QR code
- 2 x HDMI, VGA & BNC simultaneous video output
- Highly compatible: ONVIF 2.2 conformance
- Backup via USB device, network or DVD-RW
- Remote view for iOS, Android & Windows® Phone

Channel	Hard Disk	Code
16 CH	Nil	NVR310
16 CH	4TB	NVR310HD4TB
16 CH	8TB	NVR310HD8TB
16 CH	12TB	NVR310HD12TB
16 CH	18TB	NVR310HD18TB
16 CH	24TB	NVR310HD24TB

#### 16 channel analogue input:

CCTV Analogue D1  
and / or  
HD-CVI TrueHD Analogue

Plus  
IP input for a further 16CH

Up to a total of  
32CH Recording



PHONE NOT INCLUDED



**FULL  
HD  
1080P**

HD Video Over  
Coaxial Cable  
Technology

**SECURVIEW**  
VICTORY SERIES

Analogue & HD-CVI & IP Cameras Available Separately

RECORDS 32 Channels IP or  
16x HD-CVI or Analogue  
or in Any Combination



MONITOR NOT INCLUDED



REC

IP Network  
Cameras



CAMERAS NOT INCLUDED



Analogue  
Cameras



HD-CVI  
Cameras

**HIGH  
DEFINITION  
1080p**

**Analogue  
HDCVI or IP  
Cameras**

**Multiple Format System : Records From Analogue, HD-CVI and IP-Network Cameras**





## TVR TRI-BRID VIDEO RECORDER - DVR & NVR - VIP VISION TVR16 SERIES

### SPECIFICATIONS

NVR310	
Alarm Input / Output	16 channels / 6 channels
Audio Input / Output	16 channel BNC
Audio Output	1 channel BNC
Backup Modes	USB Device / eSATA Device / Internal SATA burner (optional) / Network
Bit Rate	48~8192Kb/s
Dimensions	440 x 460 x 89 (mm) / 2U Rackmount
Display Resolution	1920 x 1080 / 1280 x 1024 / 1280 x 720 / 1024 x 768
Display Split	1 / 4 / 8 / 9 / 16
Ethernet	2 RJ-45 ports (10/100M/1000M)
External HDD	1 eSATA port, up to 16TB
Internal HDD	8 SATA ports, up to 80TB
Main Processor	Embedded processor
Max. User Access	128 users
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, Alarm Server
ONVIF	2.2 Conformance
Operating Environment	-10 ~ +55°C / 10 ~ 90%RH / 86~106kpa
Operating System	Embedded Linux OS
OSD	Camera title, Time, Video loss, Camera lock, Motion detection
Power Consumption	40W (without HDD)
Power Supply	100 ~ 240VAC 50/60 Hz
Record Interval	1~120 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD, Alarm) / Stop
Record Rate	Up to 32 channels at 2.0MP (1920 x 1080) at 25fps
Record Resolution	1080p(1920 x 1080) / 720p(1280 x 720) / 960H (960 x 576)
Remote View	iOS (iPhone®, iPad®); Android devices, Windows® Phone
RS232	1 port, For PC communication & Keyboard
RS485	1 port RS485 for PTZ control, 1 port RS422 for Keyboard
Search Modes	Time/Date; Alarm; Motion detection; Exact search (to the second); Smart Search
Sync Playback	1 / 4 / 8 / 16
Trigger Events	Recording; PTZ; tour; alarm; push video notification; email notification; FTP upload; internal buzzer; and screen tip overlay
Two-way Talk	1 channel input/output BNC
USB Interface	4 x USB2.0 ports (2 Rear)
Video Compression	H.264 / G.711
Video Detection	Motion detection (zones: 396 [22 x 18]) / Video loss / Camera blank
Video Input	16 channel (IP / HD-CVI / Analogue) / 16 additional IP channels
Video Output	2 HDMI / 1 VGA / 1 TV (BNC)
Weight	6.5kg (without HDD)

**16  
CHANNEL  
ANALOGUE  
HDCVI**

**32  
CHANNEL  
RECORDING  
TRI-BRID**



**Upgrade  
Friendly  
Install**



PHONE NOT INCLUDED



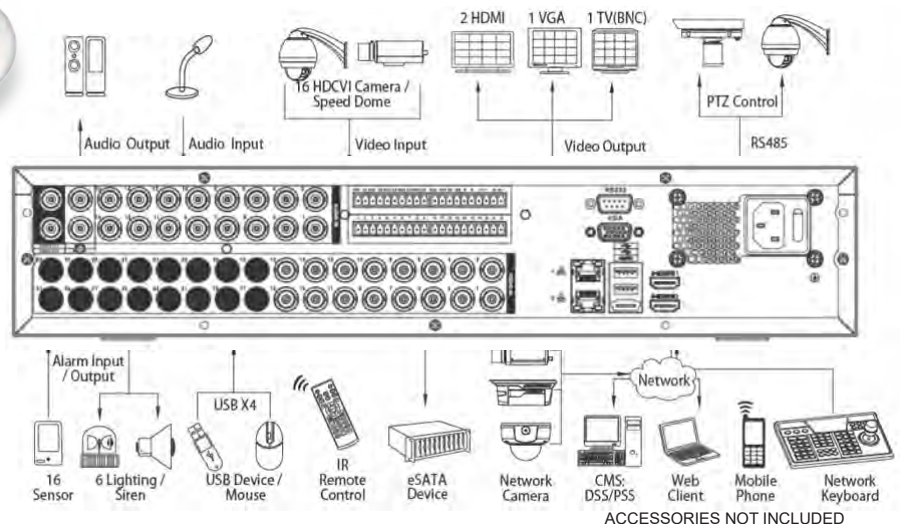
SMART DEVICES NOT INCLUDED



**RECORDS 32 Channels  
IP or HD-CVI or Analogue  
or in Any Combination**



**SECURVIEW  
VICTORY SERIES**



ACCESSORIES NOT INCLUDED

**Analogue  
HDCVI or IP  
Cameras**

**HIGH  
DEFINITION  
1080p**

**WATCH ON YOUR  
SMARTPHONE**

**1080P FULL HD  
ACROSS ALL IP CHANNELS**

**8 SATA PORTS  
UP TO 32TB**

**DVD / USB / NETWORK  
BACKUP**

**MULTIPLE VIDEO OUTPUT  
HDMI / VGA / BNC**

**REMOTE VIEW VIA  
QR CODE**





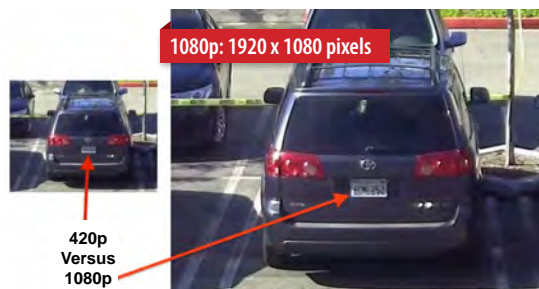
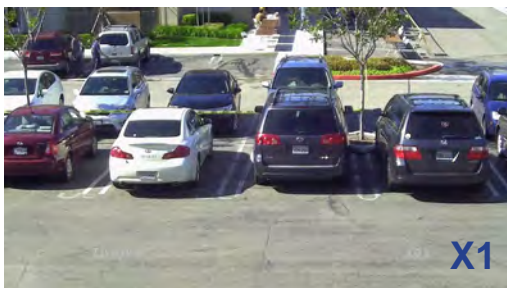
## Surveillance HD-CVI

## DVR Systems HD-CVI Victory

### Upgrade from analogue to full high definition for improved image resolution!

*Experience your moment of victory:*

- Upgrade your system
- Boost image resolution
- Capture fine detail
- Get usable evidence
- Enjoy peace of mind
- Analogue Compatible



### HDCVI - HIGH DEFINITION COMPOSITE VIDEO INTERFACE

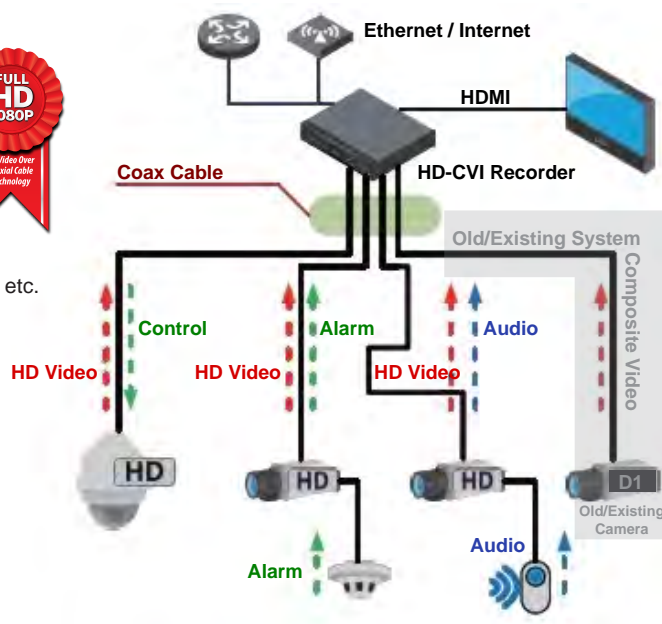
HDCVI (High Definition Composite Video Interface) is an over-coaxial-cable analog HD video transmission modulation standard which includes audio, video and I/O data in the one coax. HDCVI renders quality image Hi-Def video formats 1080p or 720p progressive scanning.

#### Technical Highlights

- HD Video format 1080p (1920×1080) & 720p (1280×720)
- Analog Modulation that's Uncompressed and crosstalk-free
- Reliable with no latency point-to-point transmission
- Transmission over existing coaxial cable; Ideal for upgrades
- Update an existing CIV resolution CCTV installation to Hi-Def
- Auto Compensation for extra Long range transmission
- 1280H (1280×720): 500m via Q75 RG59, 650m via Q75 RG6
- 1920H (1920×1080): 300m via Q75 RG59, 400m via Q75 RG6
- Composite video, audio and PTZ control signals on one cable
- Two-way data transmission for extended features including Alarm, PTZ, etc.



## HDCVI



### EASY UPGRADE PATH

The Securview Victory series of DVRs offer multiple camera connection options including the older Composite Video type cameras and the new HD-CVI High-Definition cameras (in any combination) plus the ability to also view & record 2 additional IP type cameras connected via ethernet.

This versatility enables a gradual upgrade path for your existing installation, minimizing initial outlay costs and enabling upgrade of existing cameras to the HD-CVI cameras when budget allows.

Although you may consider that your existing cameras in your system are functioning just fine, once you see the incredible image enhancement of the new HD-CVI cameras, you will want to upgrade and expand to take advantage of the improvements this system offers.

### EXPAND INTO THE FUTURE

- Connect existing installed analogue cameras to the DVR
- Connect new and improved image quality from HD-CVI cameras
- Use your existing, already installed common 75 ohm coax cables
- Common TV coax is a familiar, cheap, reliable solution for running video
- Swap old analogue cameras to new HD-CVI cameras when you are ready
- Any combination of analogue and HD-CVI to the DVR channel count
- Up to 2 additional IP cameras view/record up to full HD 1080p resolution
- IP offers other advanced feature options including PTZ keypads, Memory expansion, local ethernet or WiFi wireless control via web browser or a free App (iOS/Android/Windows) from your PC or hand-held device on the network, or anywhere in the world!
- Securview Victory series DVRs offer excellent value for money with the features and image quality you expect in modern surveillance equipment

### REMOTE OBSERVATION:



PCs Not Included

**SECURVIEW**  
VICTORY SERIES



## HDCVI





## 4CH HD-CVI CVR SECURVIEW VICTORY CVR4V6 SERIES

### UPGRADE TO FULL HIGH DEFINITION OVER STANDARD COAX CABLE

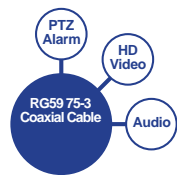
# HDCVI

Securview Professional Series HDCVI DVRs: The most compatible surveillance systems available, with support for HDCVI, HDTVI, AHD, Analogue and IP video inputs, this DVR is the perfect choice for any retrofit, upgrade or CCTV-on-a-budget installation. The CVR4V6 is a 4 channel HDCVI (high definition composite video interface) DVR capable of 1080p full HD recording over coaxial cable. It features 1x internal SATA port for up to 10TB of HDD storage and has 1x HDMI and 1x VGA video output. This DVR also features comprehensive remote view capabilities (iOS, Android & Windows Phone) and backup functionality (USB/network).

- High Cross Compatibility with multiple input formats
- HDCVI, HDTVI, IP, Analogue and AHD cameras
- Maximum 24Mbps Incoming Bandwidth (IP video inputs)
- Records 1080p full HD resolution up to 15fps
- Up to 300m transmission distance (1080p)
- 1x SATA port with up to 10TB of HDD capacity
- Configure remote view in seconds via QR code
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone



Channel	Hard Disk	Type	Code
4 CH	No	HD-CVI	DVR600
4 CH	1TB	HD-CVI	DVR600HD1TB
4 CH	2TB	HD-CVI	DVR600HD2TB
4 CH	4TB	HD-CVI	DVR600HD4TB



Versatile HD CCTV solution

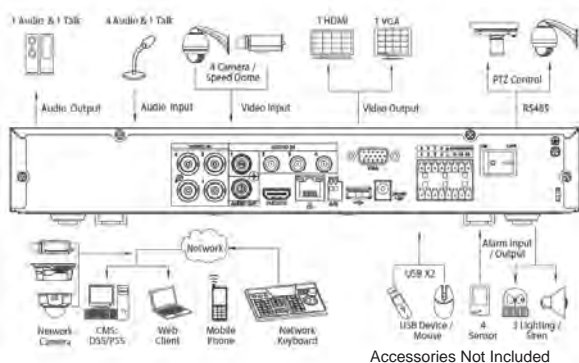


Ideal for any upgrade installs



1080p HD across the range

## SECURVIEW VICTORY SERIES



Audio In/Out	4ch RCA in / 1ch RCA out
Auxiliary	1 x RS485 port (for PTZ)
Backup Modes	USB Device / Network
Bit Rate	1~6144Kb/s
Dimensions	325mm x 255mm x 55mm (1U)
Display Resolution	1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Display Split	1 / 4 / 6
Ethernet	RJ-45 port (10/100M)
Frame Rate	Main: 1080p (1~15fps), 720p (1~25/30fps) / Sub: D1 (1~15fps)
Internal HDD	1 SATA port, up to 10TB
Main Processor	Embedded Processor
Max. User Access	128 users
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, SNMP, P2P
Operating Environment	-10 ~55°C / 10~90%RH / 86~106kpa
Operating System	Embedded Linux OS
OSD Menu	Camera title, time, video loss, camera lock, MD & recording
Power Consumption	10W (without HDD)
Power Supply	DC12V/2A
Privacy Masking	4 rectangular zones per camera
Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Mode	Manual / Schedule (Regular [Continuous], MD) / Stop
Record Resolution	1080p (1920 x 1080) / 720p (1280 x 720)
Remote View	iOS (iPhone, iPad); Android devices, Windows Phone
Search Modes	Time/Date; Motion detection; Exact search (to the second)
Sync Playback	1 / 4
Trigger Events	Recording; PTZ; tour; alarm; push video notification; email notification; FTP upload; snapshot; internal buzzer; and screen tip overlay
Two-way Talk	Reuse channel 1 audio input/output
USB Interface	2 ports (1 Rear), USB2.0
Video Compression	H.264 / H.264+
Video Detection	MD zones: 396 (22 x 18) / Video loss / Camera blank
Video Input	4 channel BNC
Video Output	1 HDMI / 1 VGA
Video Type Coax	4 channels up to 1080p/15fps (HDCVI), 960H/25fps (analogue)
Video Type IP	6 channels up to 1080p/25fps (replaces up to 4 x BNC inputs)
Weight	1.5kg (without HDD)



# HDCVI

## SECURVIEW VICTORY SERIES



## 8CH HD-CVI CVR SECURVIEW VICTORY CVR8V6 SERIES

### FULL HIGH DEFINITION OVER STANDARD COAX CABLE

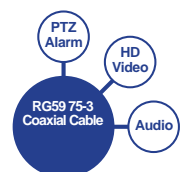
# HDCVI

The DVR601 is an 8 channel HDCVI (high definition composite video interface) DVR capable of 1080p full HD and 720p HD recording over coaxial cable. It features two internal SATA ports for up to 8TB\* of HDD storage and has HDMI and VGA video outputs. This DVR also features comprehensive remote view capabilities (iOS, Android & Windows® Phone) and backup functionality (USB/network). Victory Series DVRs are the ideal HD video over coax solution, utilising the HDCVI video transmission standard to deliver video, audio and control data across a single coaxial cable. Thanks to this technology, the DVR601 offers reliable, long distance, full HD 1080p video transmission up to 300m with low latency and excellent anti-interference properties (720p up to 500m / using 75Ω coax). Victory Series systems can also be implemented into an existing analogue systems without having to re-run coaxial cable. The DVR601 can even record existing IP (up to 2 channels at full HD 1080p) and analogue cameras (8 channels at D1), making existing low resolution to high definition surveillance upgrades easier than ever before. When recording at 1080p, the DVR601 delivers more than five times the image resolution compared to traditional D1 (720 x 576) analogue systems and over 20x vs CIF systems (352 x 288). Go beyond analogue, capture fine detail and ensure you have usable evidence when it matters most.

- High Cross Compatibility ~ with HDCVI, HDTV, IP, Analogue and AHD cameras
- Maximum 48Mbps Incoming Bandwidth (IP video inputs)
- Records 1080p full HD resolution up to 15fps
- Up to 300m transmission distance (1080p)
- 2x SATA ports with up to 20TB of HDD capacity
- Configure remote view in seconds via QR code
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone



Channel	Hard Disk	Type	Code
8 CH	No	HD-CVI	DVR601
8 CH	1TB	HD-CVI	DVR601HD1TB
8 CH	2TB	HD-CVI	DVR601HD2TB
8 CH	4TB	HD-CVI	DVR601HD4TB



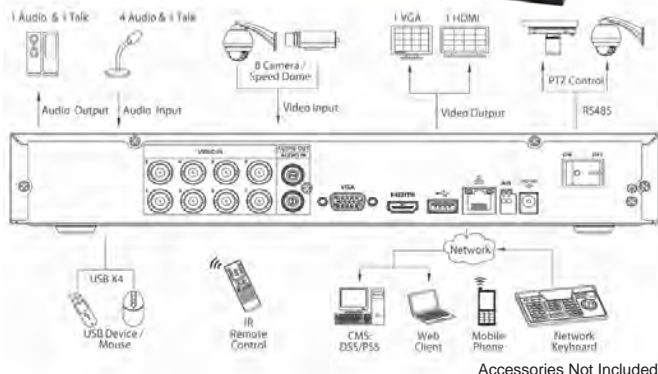
Versatile HD CCTV solution



Ideal for any upgrade installs



1080p HD across the range



Accessories Not Included



# HDCVI



Alarm Input	8 channels
Alarm Output	3 channels
Audio Input	4 channel RCA
Audio Output	1 channel RCA
Auxiliary Inputs	RS485 (for PTZ)
Backup Modes	USB Device / Network
Bit Rate	1~6144Kbps per channel
Camera Config. (Coaxial)	8 channels up to 1080p/15fps (HDCVI), 960H/25fps (analogue)
Camera Config. (IP)	12 channels up to 5.0MP (replaces up to 8 x BNC inputs)
Dimensions	375mm x 285mm x 55mm (1U)
Display Resolution	1920× 1080, 1280× 1024, 1280× 720, 1024× 768
Display Split	1 / 4 / 8 / 9 / 16
Ethernet	RJ-45 port (10/100M)
Internal HDD	2 SATA ports, up to 20TB
Main Processor	Embedded processor
Max. User Access	128 users
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, P2P, IP Filter
Operating Environment	-10 ~+55°C / 10~90%RH / 86~106kpa
Operating System	Embedded Linux OS
OSD Menu	Camera title, time, video loss, camera lock, motion detection & recording
Power Consumption	<15W (without HDD)
Power Supply	12VDC/4A
Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD) / Alarm / Stop
Record Rate	Main: 1080p (1~15fps), 720p (1~25/30fps) / Sub: D1 (1~25/30fps)
Record Resolution	1080p (1920 x 1080) / 720p (1280 x 720) to QCIF (176 x 120)
Remote View	iOS (iPhone, iPad); Android devices, Windows Phone
Search Modes	Time/Date; Motion detection; Exact search (to the second)
Sync Playback	1 / 4 / 9
Trigger Events	Recording; PTZ; predefined tour; push video notification; email notification; FTP upload; internal buzzer; and screen tip overlay
Two-way Talk	Reuse channel 1 audio input/output
USB Interface	2 ports USB2.0
Video Detection	Motion detection (Zones: 396 [22 x 18]) / Video loss / Camera blank
Video Input	8 channel BNC
Video Output	1 HDMI / 1 VGA
AV Compression	H.264 / H.264+
Weight	2.35kg (without HDD)





## 16CH HD-CVI CVR SECURVIEW VICTORY CVR16V6 SERIES

### FULL HIGH DEFINITION OVER STANDARD COAX CABLE

# HDCVI

The DVR60 is a 16 channel HDCVI (high definition composite video interface) DVR capable of 1080p full HD recording over coaxial cable. It features eight internal 2 ports for up to 20TB of HDD storage and has 1x HDMI, 1x VGA and 1x TV (BNC) video outputs. This DVR also features comprehensive remote view capabilities (iOS, Android & Windows Phone) and backup functionality (USB/network). Victory Series DVRs are the ideal HD video over coax solution, utilising the HDCVI video transmission standard to deliver video, audio and control data across a single coaxial cable. Thanks to this technology, the DVR60 offers reliable, long distance, full HD 1080p video transmission up to 300m with low latency and excellent anti-interference properties (using 75-3 coax). This Victory Series DVR is compatible with existing analogue and IP surveillance cameras (up to 2.0MP, ONVIF 2.4) and can be implemented into an existing surveillance system without having to re-run cable. This makes analogue-to-HD upgrades and augmenting existing systems easier than ever before. Its interoperability also allows for multi-stage upgrades, making HD surveillance possible for those on a budget. When recording at 1080p, the DVR602 delivers more than five times the image resolution compared to traditional D1 (720 x 576) analogue systems and over 20x vs CIF systems (352 x 288). Go beyond analogue, capture fine detail and ensure you have usable evidence when it matters most with the Securview Victory Series.

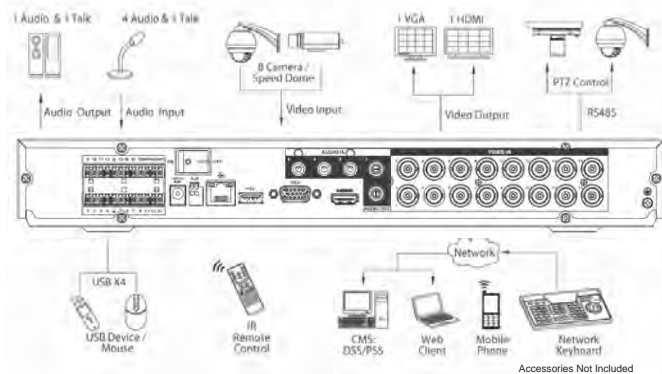
- High Cross Compatibility ~ with HDCVI, HDTVI, IP, Analogue and AHD cameras
- Maximum 48Mbps Incoming Bandwidth (IP video inputs)
- Records 1080p full HD resolution up to 15fps
- Up to 500m transmission distance (1080p)
- 2x SATA ports with up to 20TB of HDD capacity
- Configure remote view in seconds via QR code
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone

Channel	Hard Disk	Type	Code
16 CH	No	HD-CVI	DVR602
16 CH	1TB	HD-CVI	DVR602HD1TB
16 CH	2TB	HD-CVI	DVR602HD2TB
16 CH	4TB	HD-CVI	DVR602HD4TB

# HDCVI

# SECURVIEW

## VICTORY SERIES



### Upgrade from analogue to full high definition for improved image resolution!

- Experience your moment of victory:*
- Upgrade your system
  - Boost image resolution
  - Capture fine detail
  - Get usable evidence
  - Enjoy peace of mind
  - Analogue Compatible



Alarm Input	16 channels
Alarm Output	3 channels
Audio Input	4 channel RCA
Audio Output	1 channel RCA
Auxiliary Inputs	RS485 (for PTZ)
Backup Modes	USB Device / Network
Bit Rate	1~6144Kbps per channel
Camera Config. (Coaxial)	16 channels up to 1080p/15fps (HDCVI), 960H/25fps (analogue)
Camera Config. (IP)	24 channels up to 5.0MP (replaces up to 16x BNC inputs)
Dimensions	375mm x 285mm x 55mm (1U)
Display Resolution	1920× 1080, 1280× 1024, 1280× 720, 1024× 768
Display Split	1 / 4 / 8 / 9 / 16 / 25
Ethernet	RJ-45 port (10/100M)
Internal HDD	2 SATA ports, up to 20TB
Main Processor	Embedded processor
Max. User Access	128 users
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, SNMP, P2P
Operating Environment	-10 ~+55°C / 10~90%RH / 86~106kpa
Operating System	Embedded Linux OS
OSD Menu	Camera title, time, video loss, camera lock, MD & recording
Power Consumption	<15W (without HDD)
Power Supply	12VDC/5A
Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular, Continuous), Motion Detection, Alarm, Stop
Record Rate	Main: 1080p (1~15fps), 720p (1~25/30fps) / Sub: D1 (1~25/30fps)
Record Resolution	1080p (1920 x 1080) / 720p (1280 x 720) to QCIF (176 x 120)
Remote View	iOS (iPhone, iPad); Android devices, Windows Phone
Search Modes	Time/Date; Motion detection; Exact search (to the second)
Sync Playback	1 / 4 / 9 / 17
Trigger Events	Recording; PTZ; predefined tour; push video notification; email notification; FTP upload; internal buzzer; and screen tip overlay
Two-way Talk	Reuse channel 1 audio input/output
USB Interface	2 ports: 1x USB2.0, 1x USB3.0
Video Detection	MD zones: 396 (22 × 18) / Video loss / Camera blank
Video Input	16 channel BNC
Video Output	1 HDMI / 1 VGA
AV Compression	H.264 / H.264+
Weight	2.35kg (without HDD)





## 32CH HD-CVI CVR32V2 1080p SECURVIEW VICTORY CVR32V2 SERIES

### PROFESSIONAL GRADE LARGE CAPACITY FULL HIGH DEFINITION OVER STANDARD COAX CABLE **HDCVI**

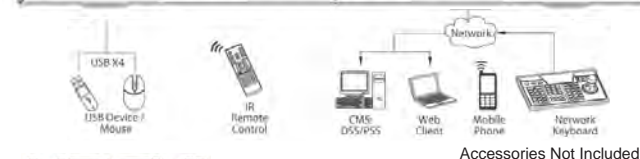
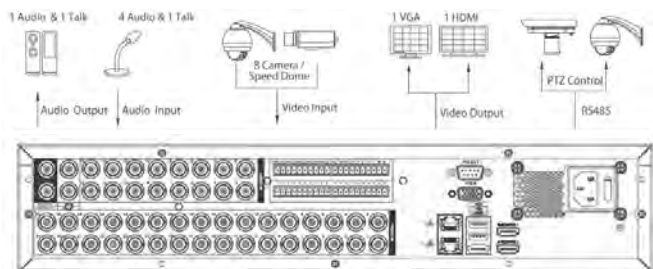
The DVR603 is a 32 channel HDCVI (high definition composite video interface) DVR capable of 1080p full HD and 720p HD recording over coaxial cable. It features eight internal SATA ports for up to 80TB of HDD storage and has 2x HDMI, 1x VGA and 1x TV (BNC) video outputs. This DVR also features comprehensive remote view capabilities (iOS, Android & Windows® Phone) and backup functionality (USB/network). Victory Series DVRs are the ideal HD video over coax solution, utilising the HDCVI video transmission standard to deliver video, audio and control data across a single coaxial cable. Thanks to this technology, the DVR603 offers reliable, long distance, full HD 1080p video transmission up to 300m with low latency and excellent anti-interference properties (720p up to 500m / using 75Ω coax). Victory Series systems can also be implemented into an existing analogue system without having to re-run coaxial cable or not use existing analogue cameras, making traditional analogue change to megapixel HD-over-coax CCTV upgrades easier than ever before. When recording at 1080p, the DVR603 delivers more than five times the image resolution compared to traditional D1 (720 x 576) analogue systems and over 20x vs CIF systems (352 x 288). Go beyond analogue, capture fine detail and ensure you have usable evidence when it matters most.

#### OPTIONAL DVD RECORDER - PLEASE ENQUIRE

- Records up to 1080p HD resolution (1920 x 1080)
- Utilises HDCVI transmission standard
- Up to 300m 1080p and 500m 720p over coax
- 8x SATA port for up to 80TB of HDD capacity, models with pre-installed hard disks are also available
- Configure remote view in seconds via QR code
- HDMI, VGA & BNC simultaneous video output
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows® Phone



Channel	Hard Disk	Type	Code
32 CH	No	HD-CVI	DVR603
32 CH	4TB	HD-CVI	DVR603HD4TB
32 CH	8TB	HD-CVI	DVR603HD8TB
32 CH	12TB	HD-CVI	DVR603HD12TB
32 CH	16TB	HD-CVI	DVR603HD16TB



**HDCVI**



Audio In/Out	16ch BNC in / 1ch BNC out
Auxiliary	1 x RS232 port (PC comm. & keyboard) / 1 x RS485 (PTZ control) / 1 x RS422 (keyboard)
Backup Modes	USB Device / eSATA Device/ Internal SATA burner / Network
Bit Rate	48~4096Kb/s
Dimensions	440 x 460 x 89mm (2U)
Display Resolution	1920 x 1080 / 1280 x 1024 / 1280 x 720 / 1024 x 768
Display Split	1 / 4 / 8 / 9 / 16 / 25 / 36
Ethernet	2 x RJ-45 port (10/100M/1000M)
Frame Rate	Main: 1080p (1~15fps), 720p (1~25/30fps) / Sub: D1 (1~25/30fps)
Internal HDD	8 SATA ports, up to 80TB / 1 eSATA port, up to 16TB
Main Processor	Embedded Processor
Max. User Access	128 users
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, SNMP, P2P
Operating Environment	-10 ~ +55°C / 10 ~ 90%RH / 86~106kpa
Operating System	Embedded Linux OS
OSD Menu	Camera title, time, video loss, camera lock, MD & recording
Power Consumption	40W (without HDD)
Power Supply	100 ~ 240VAC 50/60 Hz
Privacy Masking	4 rectangular zones per camera
Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Mode	Manual / Schedule (Regular [Continuous], MD) / Stop
Record Resolution	1080p (1920 x 1080) / 720p (1280 x 720)
Remote View	iOS (iPhone, iPad); Android devices, Windows Phone
Search Modes	Time/Date; Motion detection; Exact search (to the second)
Sync Playback	1 / 4 / 8 / 16
Trigger Events	Recording; PTZ; tour; alarm; push video notification; email notification; FTP upload; snapshot; internal buzzer; and screen tip overlay
Two-way Talk	1 channel input/output BNC
USB Interface	4 ports (2 Rear), USB2.0
Video Compression	H.264
Video Detection	MD zones: 396 (22 x 18) / Video loss / Camera blank
Video Input	32 channel BNC
Video Output	2 HDMI / 1 VGA / 1 TV (BNC)
Video Type Coax	32 channels up to 1080p/15fps (HDCVI), 960H/25fps (analogue)
Video Type IP	32 channels up to 1080p/15fps (replaces BNC input)
Weight	6.5kg (without HDD)





## DVR Kits HD-CVI Victory

### HD-CVI KITS

#### 4 CH 1080P HDCVI SURVEILLANCE KIT SECURVIEW VICTORY CVR4PACK6 SERIES

##### KIT INCLUDES DVR & 2x DOME & BULLET CAMERAS- REQUIRES CABLES

The DVR530 is a 4 channel surveillance system capable of 1080p HD recording over coax cable at 15fps. It features a compact DVR with HDMI and VGA outputs as well as a preinstalled 1TB surveillance hard drive. This DVR also has comprehensive remote view (iOS, Android & Windows Phone) and backup functionality (USB/network). The DVR530 is an ideal analogue to HD-video-over-coax upgrade package that enables you rapidly boost the image resolution of an existing analogue installation to high definition. Secureview products utilise the HDCVI video transmission standard, delivering video, audio and data across a single coaxial cable (RG59 / RG6 preferred). This also allows for up to 300m transmission distances for 1080p HD video streams using standard coaxial cable. The DVR530 includes 4 weatherproof, 3.6mm fixed lens (90°), infrared, 2.0 megapixel cameras that are ideal for use in a multitude of applications. They can record at maximum resolution of 1080p (1920 x 1080), nearly 5 times higher resolution than typical D1 analogue systems (720 x 576). This kit does not include coaxial cable, splitters or camera power supplies. For new installs, an accessory kit is required per 4 cameras (DVR4PSK).

- 2 x weatherproof bullet and 2x vandal resistant dome cameras
- Pre-installed 1TB surveillance HDD
- Backup via USB device or local network
- Utilises HDCVI video transmission standard
- Record 1080p (1920x1080) at 15fps
- HDMI and VGA video outputs
- Remote view configuration via QR code
- View on iOS, Android & Windows Phone devices

Channel	Hard Disk	Monitor	Type	Code
4 CH	1TB	No	HD-CVI	DVR530
4 CH	1TB	1x 18"	HD-CVI	DVR531
4 CH	1TB	1x 23"	HD-CVI	DVR532

## SECURVIEW<sup>™</sup> HDCVI VICTORY SERIES



Optional 24" Monitor



Optional 18" Monitor

Main Processor	Embedded Processor
Operating System	Embedded Linux OS
Video Input	4 channel BNC
Camera Coaxial:	4 channels up to D1/25fps (analogue) or 1080p/15fps (HDCVI)
Network:	2 channels up to 1080p/15fps (substitutes coaxial)
Two-way	Talk Reuse channel 1 audio input/output
Video Output	1 HDMI / 1 VGA
Display Resolution	1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Display	Single or Split 1 / 4
OSD	Camera title, time, video loss, camera lock, MD & recording
Recording	1080p (1920 x 1080) / 720p (1280 x 720)
Frame Rate	Main: 1080p (1~15fps), 720p (1~25/30fps) / Sub: D1 (1~6/7fps)
Bit Rate	1-6144Kb/s per channel
Record Modes	Manual / Schedule (Regular [Continuous], MD) / Stop
Alarm I/O	N/A
Trigger Events	PTZ; predefined tour; push video notification; email notification; FTP upload; internal buzzer; and screen tip
Video Detection	MD zones: 396 (22 x 18) / Video loss / Camera blank
Playback Sync	1 / 4
Search Modes	Time/Date; Motion detect; Exact search
Backup Modes	USB Device / Network
Ethernet	RJ-45 port (10/100M)
Max. User Access	128 users
Remote View	iOS; Android devices, Windows Phone
Internal HDD	1 SATA port, up to 10TB
USB Interface	2 ports (1 Rear), USB2.0
Auxiliary Inputs	1 x RS485 port (for PTZ)
Power Supply	DC12V/2A Included
Operating	-10 ~55°C / 10~90%RH / 86~106kpa
Dimensions	325mm x 255mm x 55mm (1U)
Weight	1.5kg (without HDD)
Camera Model	CAM604, CAM610



##### THIS KIT INCLUDES:



#### POWER SUPPLY ACCESSORY KIT FOR SECURVIEW VICTORY SERIES

##### VICTORY SERIES KITS REQUIRE CONNECTION SOLUTIONS

Power supply accessory kit, sold separately for the Victory series. Allows powering five cameras from the one centralised power supply. Kit includes screw terminal adaptors so you can use any appropriate DC wiring to the cameras.

Power Pack	12Vdc 5A To DC 2.1mm
Splitter DC	1x Socket to 5x DC Plugs
DC Plug	4x 2.1mm Socket to Screw Terminals
DC Plug	4x Screw Terminals to 2.1mm Plug

OEM	Code
CVR4PACKACC	DVR4PSK







## 8 CH 1080P HDCVI SURVEILLANCE KIT SECURVIEW VICTORY CVR8PACK6 SERIES

### KIT INCLUDES DVR 2TB & EIGHT CAMERAS + OPTIONAL MONITOR - REQUIRES CAMERA CABLES

The DVR535 is an 8 channel surveillance system capable of 1080p HD recording over coax cable at 15fps. It features a slim 1U DVR with HDMI and VGA outputs as well as a preinstalled 2TB surveillance hard drive. This DVR also has comprehensive remote view (iOS, Android & Windows Phone) and backup functionality (USB/network). The DVR535 is an ideal analogue to HD-video-over-coax upgrade package that enables you rapidly boost the image resolution of an existing analogue installation to high definition. Victory Series products utilise the HDCVI video transmission standard, delivering video, audio and data across a single coaxial cable (RG59 / RG6 75-3 preferred). This also allows for up to 300m transmission distances for 1080p HD video streams using standard coaxial cable (500m for 720p video). The DVR535 includes 8 weatherproof, 3.6mm fixed lens (90°), infrared, 2.0 megapixel cameras that are ideal for use in a multitude of applications. They can record at maximum resolution of 1080p (1920 x 1080), nearly 5 times the resolution than typical D1 analogue systems (720 x 576). For new installs, one Victory Series accessory kit is required per 4 cameras (DVR4PSK).

- 4 x 2.0 megapixel weatherproof bullets
- 4 x 2.0 megapixel weatherproof mini domes
- Pre-installed 2TB surveillance HDD
- Backup via USB device or local network
- Record 1080p (1920 x 1080) at 15fps
- HDMI, VGA and BNC video outputs
- Remote view configuration via QR code
- View on iOS, Android & Windows Phone devices

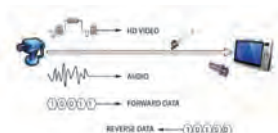
Channel	Hard Disk	Monitor	Type	Code
8 CH	2TB	No	HD-CVI	DVR535
8 CH	2TB	18"	HD-CVI	DVR536
8 CH	2TB	24"	HD-CVI	DVR537

## SECURVIEW<sup>™</sup> HDCVI

VICTORY SERIES



Kit includes DVR601  
4x CAM610 and 4x CAM604  
2TB Surveillance grade HDD  
Power pack for the DVR  
HDMI Cable, 1x CAT5, Mouse  
Camera cable kits are available



Main Processor	Embedded Processor
Operating System	Embedded Linux OS
Video Input	8 channel BNC
Camera Coaxial:	8 channels up to 1080p/15fps (HDCVI), 960H/25fps (analogue)
Network:	12 channels up to 1080p/25fps (replaces up to 8 x BNC inputs)
Audio In/Out	4ch RCA in / 1ch RCA out
Two-way	Talk Reuse channel 1 audio input/output
Video Output	1 HDMI / 1 VGA
Display Resolution	1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Display	Split 1 / 4 / 8 / 9
OSD	Camera title, time, video loss, camera lock, MD & recording
Recording Res.	1080p (1920 x 1080) / 720p (1280 x 720)
Frame Rate	1080p (1~15fps), 720p (1~25/30fps) / Sub: D1 (1~15fps)
Bit Rate	1~6144Kb/s
Record Modes	Manual / Schedule (Regular [Continuous], MD) / Stop
Alarm I/O	8 channel input / 3 channel relay output
Trigger Events	Recording; PTZ; tour; alarm; push video notification; email notification; FTP upload; snapshot; internal buzzer; and screen tip overlay
Video Detection	MD zones: 396 (22 x 18) / Video loss / Camera blank
Playback Sync	1 / 4 / 9
Search Modes	Time/Date; Motion detection; Exact search (to the second)
Backup Modes	USB Device / Network
Ethernet	RJ-45 port (10/100M)
Max. User Access	128 users
Remote View	iOS; Android devices, Windows Phone
Internal HDD	2 SATA port, up to 20TB (2TB Installed)
USB Interface	2 ports (1 Rear), USB2.0
Auxiliary Inputs	1 x RS485 port (for PTZ)
Power Supply	DC12V/4A Included
Operating	-10 ~55°C / 10~90%RH / 86~106kpa
Dimensions	375mm x 285mm x 55mm (1U)
Weight	2.35kg (without HDD)
Camera Models	CAM610 and CAM604
Camera Style	Weatherproof Bullet and Vandal Resistant Dome
Image Sensor	1/2.7" 2.1 Megapixel CMOS
Effective Pixels	1928 (H) x 1088 (V)
Lens	3.6mm Fixed Lens (90°)
Day/Night	Auto (ICR) / Colour / B&W
Backlight	BLC / HLC / WDR (120dB)
Audio Input	N/A
Resolution	1080p (1920 x 1080) to CIF (352 x 288)
Video Output	BNC CVI HD output or CVBS SD output
Ingress Protection	IP67 (Cameras)
Vandal Resistant	IK10 (Dome camera only)
Infrared Range	40m 30m
Power Input	12VDC







## 16 CH 1080P HDCVI SURVEILLANCE KIT SECURVIEW VICTORY CVR16PACK6 SERIES

### KIT INCLUDES DVR 2TB & SIXTEEN CAMERAS + OPTIONAL MONITOR - REQUIRES CAMERA CABLES

The DVR540 is a 16 channel surveillance system capable of 1080p HD recording over coax cable at 15fps. It features a slim 1U DVR with HDMI and VGA outputs as well as a preinstalled 2TB surveillance hard drive. This DVR also has comprehensive remote view (iOS, Android & Windows Phone) and backup functionality (USB/ network). The DVR540 is an ideal analogue to HD-video-over coax upgrade package that enables you rapidly boost the image resolution of an existing analogue installation to high definition. Victory Series products utilise the HDCVI video transmission standard, delivering video, audio and data across a single coaxial cable (RG59 / RG6 75-3 preferred). This also allows for up to 300m transmission distances for 1080p HD video streams using standard coaxial cable (500m for 720p video). The DVR540 includes 16 weather resistant, 3.6mm fixed lens (90°), infrared, 2.0 megapixel cameras that are ideal for use in a multitude of applications. They can record at maximum resolution of 1080p (1920 x 1080), nearly 5 times the resolution than typical D1 analogue systems (720 x 576). This kit does not include coaxial cable, splitters or camera power supplies. For new installs, one Victory Series accessory kit is required per 4 cameras (DVR4PSK).

- 8 x 2.0 megapixel weatherproof bullets
- 8 x 2.0 megapixel weatherproof mini domes
- Pre-installed 2TB surveillance HDD
- Backup via USB device or local network
- Record 1080p (1920 x 1080) at 15fps
- HDMI, VGA and BNC video outputs
- Remote view configuration via QR code
- View on iOS, Android & Windows Phone devices

Channel	Hard Disk	Monitor	Type	Code
16 CH	2TB	No	HD-CVI	DVR540
16 CH	2TB	18"	HD-CVI	DVR541
16 CH	2TB	24"	HD-CVI	DVR542

## SECURVIEW<sup>TM</sup> HDCVI VICTORY SERIES



Operating System	Embedded Linux OS
Video Input	16 channel BNC
Camera Coaxial:	16 channels up to 1080p/15fps (HDCVI), 960H/25fps(analogue)
Network:	24 channels up to 1080p/25fps (replaces up to 16 x BNC inputs)
Audio In/Out	4ch RCA in / 1ch RCA out
Two-way	Talk Reuse channel 1 audio input/output
Video Output	1 HDMI / 1 VGA
Display Resolution	1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Display	Split 1 / 4 / 8 / 9 / 16
OSD	Camera title, time, video loss, camera lock, MD & recording
Recording Resolution	1080p (1920 x 1080) / 720p (1280 x 720)
Frame Rate Main:	1080p (1~15fps), 720p (1~25/30fps) / Sub: D1 (1~15fps)
Bit Rate	1~6144Kb/s
Record Modes	Manual / Schedule (Regular [Continuous], MD) / Stop
Alarm I / O	16 channel input / 3 channel relay output
Trigger Events	Recording; PTZ; tour; alarm; push video notification; email notification; FTP upload; snapshot; internal buzzer; and screen tip overlay
Video Detection	MD zones: 396 (22 x 18) / Video loss / Camera blank
Playback Sync	1 / 4 / 9 / 16
Search Modes	Time/Date; Motion detection; Exact search (to the second)
Backup Modes	USB Device / Internal burner Optional / Network
Ethernet	2 x RJ-45 port (10/100M/1000M)
Max. User Access	128 users
Remote View	iOS; Android devices, Windows Phone
Internal HDD	2 SATA port, up to 20TB (2TB Installed)
USB Interface	1x Rear USB3.0, 1x Front USB2.0
Auxiliary Inputs	1 x RS485 port (for PTZ)
Power Supply	DC12V/4A Included
Operating	-10 ~55°C / 10~90%RH / 86~106kpa
Dimensions	375mm x 285mm x 55mm (1U)
Weight	2.35kg (without HDD)
Camera Bullet	CAM610 Weatherproof Bullet
Camera Dome	CAM604 Vandal Resistant Dome
Image Sensor	1/2.7" 2.1 Megapixel CMOS
Effective Pixels	1928 (H) x 1088 (V)
Lens	3.6mm Fixed Lens (90°)
Day/Night	Auto (ICR) / Colour / B&W
Backlight	BLC / HLC / WDR (120dB)
Resolution	1080p (1920 x 1080) to CIF (352 x 288)
Video Output	BNC CVI HD output or C/VBS SD output
Ingress Protection	IP67 (Cameras)
Vandal Resistant	IK10 (Dome Only)
Maximum Infrared	Range 40m 30m
Power Input	12VDC



### THIS KIT INCLUDES:



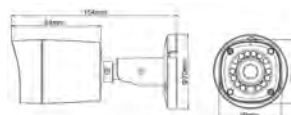


## Cameras HD-CVI

### HDCVI BULLET CAMERA 720p HD 20M INFRARED SECURVIEW VICTORY SERIES

The Securview Victory Series CAM600 is a 1.3 megapixel, fixed lens, infrared bullet camera and is capable of providing 720p High Definition footage over coaxial cable. It uses the HDCVI video transmission standard which enables transmission distance up to 500m (720p using 75 ohm coax) with low latency and low interference. Its compact size and IP66 rating makes it a perfect surveillance solution across a wide range of applications. This camera is only compatible with digital video recorders in the Securview Victory Series.

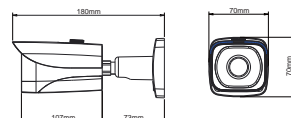
OEM	VSCVI1MPFBIRV2
Outdoor	IP66
CCD	1.3M CMOS 1/3"
TVL	1280x720px
Lens	3.6mm
FOV	79.7°
Size	70x154mm
LUX	0.01
IR	20M
Power	12Vdc
Code	CAM600



### HDCVI BULLET CAMERA 1080p FULL HD 20M INFRARED SECURVIEW VICTORY SERIES

The Securview Victory Series CAM610 is a 2.4 megapixel, fixed lens, infrared bullet camera and is capable of providing 1080p Full High Definition footage over coaxial cable. It uses the HDCVI video transmission standard which enables transmission distance up to 300m (1080p using 75 ohm coax) with low latency and low interference. Its compact size and IP66 rating makes it a perfect surveillance solution across a wide range of applications. This camera is only compatible with digital video recorders in the Securview Victory Series.

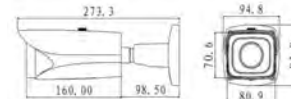
OEM	VSCVI2MPFBIRV3
Outdoor	IP66
CCD	2.4M CMOS 1/2.8"
TVL	1984x1225px
Lens	3.6mm
FOV	88°
Size	70x70x180mm
LUX	0.05
IR	40M
Power	12Vdc
Code	CAM610



### HDCVI BULLET CAMERA 1080p FULL HD 30M IR & ZOOM SECURVIEW VICTORY SERIES

The Securview Victory Series 2.4 megapixel, motorised varifocal lens, infrared bullet camera and is capable of providing 1080p Full High Definition footage over coaxial cable. It uses the HDCVI video transmission standard which enables HD video transmission distance up to 300m (1080p using 75 ohm coax) with low latency and low interference. The camera's motorised lens and IP66 rating make it a perfect surveillance solution across a wide range of CCTV applications. This camera is only compatible with digital video recorders in the Securview Victory Series.

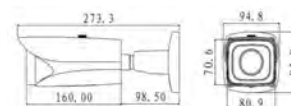
OEM	VSCVI2MPFBIRM
Outdoor	IP66
CCD	2.4M CMOS 1/2.8"
TVL	1984x1225px
Lens	2.7 ~ 12mm Motorised Lens
FOV	105° ~ 33°
Size	213x80x72mm
LUX	0.05
IR	30M
Power	12Vdc
Code	CAM603



### HDCVI BULLET CAMERA 1080p FULL HD ZOOM 30M IR SECURVIEW VICTORY SERIES

The best of the Securview Victory Series: this motorised HDCVI bullet camera makes light work of analogue-to-Full-HD upgrade installs. Mount now and adjust later with the motorised varifocal lens. This camera has all the professional features you require including auto-iris motorised lens, alarm and audio interfaces, and 50m maximum infrared illumination distance for strong low-light performance.

OEM	VSCVI2MPFBIRM30M
Outdoor	IP66
CCD	2.4MP CMOS 1.28"
TVL	1984x1225px
Lens	2.7 ~ 12mm Motorised Lens
FOV	105° ~ 33°
Size	273x95x95mm
LUX	0.05
IR	50M
Power	12Vdc/24Vac
Code	CAM615



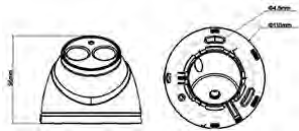




## HDCVI DOME CAMERA 720p HD 20M INFRARED SECURVIEW VICTORY SERIES

720p 1.0 megapixel sensor (1280x720px), 3.6mm fixed lens and built-in infrared illumination for up to 50m night-vision in complete darkness. It offers a maximum image resolution of 720p over coaxial cable. It uses the HDCVI video transmission standard which enables HD video transmission distance up to 800m (720p using 75-3 coax) with low latency and low interference. Its compact size and IP67 weather proofing.

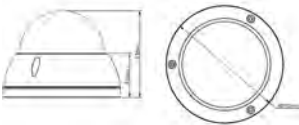
OEM	VSCVI1MPDIRV4
Outdoor	IP67
CCD	1.0M CMOS 1/2.9"
TVL	1280x720px
Lens	3.6mm
FOV	88°
Size	95x110mmØ
LUX	0.05
IR	50m
Power	12Vdc
Code	CAM601



## HDCVI DOME CAMERA 1080p FULL-HD 20M INFRARED SECURVIEW VICTORY SERIES

The Securview Victory Series, 2.4MP, fixed lens, infrared dome camera is capable of providing Full High Definition footage up to 500m using 75Ω coax with low latency and low interference. The IR-LED Illumination and IP66 rating makes it a perfect surveillance solution across a wide range of applications. This camera is only compatible with Securview Victory Series DVR.

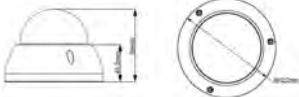
OEM	VSCVI2MPVDIRV2
Outdoor	IP66 IK10
CCD	2.4M CMOS 1/2.8"
TVL	1984x1225px
Lens	3.6mm
FOV	88°
Size	110Ø x 81mm
LUX	0.05
IR	20M
Power	12Vdc
Code	CAM604



## HDCVI DOME CAMERA 1080p FULL HD 30M IR & ZOOM SECURVIEW VICTORY SERIES

The Securview Victory Series 2.4 megapixel, motorised zoom lens, infrared dome camera is capable of providing 1080p Full High Definition footage over standard 75 ohm coaxial cable up to 300m. The camera's motorised lens, IK10 vandal resistance and IP66 rating make it a perfect surveillance solution. This camera is only compatible with DVRs in the Securview Victory Series.

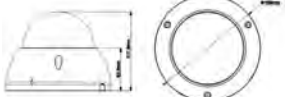
OEM	VSCVI2MPVDIRM
Outdoor	IP66 IK10
CCD	2.4M CMOS 1/2.8"
TVL	1984x1225px
Lens	2.7 ~ 12mm Motorised Lens
FOV	105° ~ 33°
Size	122Ø x 89mm
LUX	0.05
IR	30M
Power	12Vdc
Code	CAM605



## HDCVI DOME CAMERA 1080p FULL HD 30M IR & ZOOM SECURVIEW VICTORY SERIES

The best of the Securview Victory Series: this motorised HDCVI dome camera makes light work of analogue-to-Full-HD upgrade installs. Mount now and adjust later with the motorised zoom lens. This camera has all the professional features you require including auto-iris motorised lens, alarm and audio interfaces, and 30m max infrared illumination distance for strong low-light performance.

OEM	VSCVI2MPVDIRM50M
Outdoor	IP67 IK10
CCD	2.1MP CMOS 1/2.8"
TVL	1945x1097px
Lens	2.7 ~ 12mm Motorised Lens
FOV	95° ~ 36°
Size	118x159mmØ
LUX	0.005
IR	50M
Power	12Vdc/24Vac
Code	CAM614







## HDCVI PTZ CAMERA 1080p FULL HD 100M INFRARED SECURVIEW VICTORY SERIES

The Securview Victory Series 2.0 megapixel, 100m infrared, motorised varifocal lens, pan-tilt-zoom dome camera and is capable of providing 1080p Full High Definition footage over coaxial cable. It uses the HDCVI video transmission standard which enables HD video transmission up to 300m. Its fast 20x optical zoom and pan/tilt capabilities allow for effective surveillance of multiple locations size. It also has an IP66 rating, making it a perfect surveillance solution. This camera is only compatible with digital video recorders in the Securview Victory Series.

# HDCVI

- Premium Sony 1/2.8" 2.0 Megapixel Exmor CMOS
- Motorised Zoom 54.1° ~ 3.2° (20 X Zoom)
- Pan: 0° ~ 360° endless / Tilt: -15° ~ 90° / Auto-flip 180°
- Speed of Pan: 240°/s; Tilt: 200°/s
- Weather proof to IP66 heavy-duty design
- Inbuilt Fan and Heater for image stability
- High Power Infrared Illumination up to 100 metres
- BNC CVI HD output / CVBS SD output (switchable)
- Power Input AC24V/2.2A ±10% up to 26W max.
- HDCVI Single Coax Includes NVR to PTZ Control
- Audio and Alarm Input and Output connections

OEM	VSCVI2MPPTZIR
Outdoor	IP66
CCD	2.0M Exmor CMOS 1/2.8"
TVL	1920x1080px
Lens	4.7-94mm motorised
FOV	54.1° ~ 3.1°
Size	205Ø x 360mm
LUX	0.05
IR	100M
Power	24Vac
Code	CAM607



Includes bonus wall bracket.



## POWER SUPPLY ACCESSORY KIT FOR SECURVIEW VICTORY SERIES

### VICTORY SERIES KITS REQUIRE CONNECTION SOLUTIONS

Power supply accessory kit, sold separately for the Victory series. Allows powering five cameras from the one centralised power supply. Kit includes screw terminal adaptors so you can use any appropriate DC wiring to the cameras.

Power Pack	12Vdc 5A To DC 2.1mm
Splitter DC	1x Socket to 5x DC Plugs
DC Plug	4x 2.1mm Socket to Screw Terminals
DC Plug	4x Screw Terminals to 2.1mm Plug

OEM	Code
CVR4PACKACC	DVR4PSK



## CAMERA TO BRACKETS - CROSS REFERENCE

		Mounting brackets						
		Right Angle Wall Mount			Ceiling	Pole		Wall Corner
		MB1043	MB1046	MB1033	MB1028	MB1025	MB1027	MB1026
Bullet camera	CAM603						MB1020	MB1020
	CAM610						MB1022 Or MB1020	MB1022 Or MB1020
	CAM615						MB1025	MB1025
	CAM600						MB1022 Or MB1020	MB1022 Or MB1020
Dome camera	CAM614			with MB1034	with MB1034	+ Right angle or ceiling mount MB1034	MB1029	+ Right angle mount MB1034
	CAM605	Direct					MB1021	MB1021
	CAM604	Direct					MB1023 Or MB1021	MB1023 Or MB1021
	CAM601			MB1036			MB1036	
PTZ	CAM607	Right angle adaptor included			Direct	Directly connect to supplied accessories		Directly connect to supplied accessories



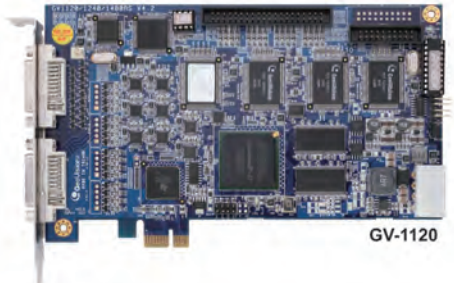


## GeoVision DVR PCIe Cards

### PCIe DVR CARDS - GEOVISION DIGITAL SURVEILLANCE SYSTEM

#### PCIe [EXPRESS] CARDS WITH MULTI-CHANNEL AUDIO AND SOFTWARE - SUPPORTS ANALOGUE AND GEOVISION IP CAMERAS

Geovision's Digital Surveillance Series has been designed with the user in mind. Based around PC Based technology Geovision's Surveillance System can be used on up to 32 analogue or IP cameras. The Multicam system, from Geovision, uses built-in motion detect technology and can be set to record only moving objects. The Geovision systems then store these with a date and time stamp. These CCTV images are compressed onto the PC's Hard Disk. Geovision CCTV images can then be viewed remotely from anywhere in the world via an internet connection. The latest GeoVision software is updated constantly to offer the CCTV user the best quality and features. It makes our surveillance systems the best in the world. Features including: 32 Channel NVR / Hybrid DVR, Geovision IP Camera Integration, Pure Software NVR IP Solution, Advanced Video Analytics, Picture in Picture, Picture & Picture, Panoramic View, Video Stabilization and Defog. New Geo H.264 V2 compression, brand new Webcam User Interface, Group Storage and Access Control Software/Hardware Solutions. Mobile phone applications compatible. Supports 4, 9, 16 screen divisions. PTZ control and channel selecting.



Video	Audio	Record Resolution	Display Resolution	Code
4	1	12.5fps D1	25fps CIF	GV-600B-4
8	1	12.5fps	25fps	GV-600B-8
8	4	50fps	100fps	GV-800B-8
16	4	50fps	100fps	GV-800B-16
16	16	200fps	400fps	GV-1480



Compatible Geovision IP Cameras are available.



### GEOVISION 6815 SERIES DUAL STREAM DVR CARD - PCI

#### TURN AN OLD SPARE COMPUTER INTO A SECURITY DVR

TW6815 chipset 10 bit video encoder with auto de-noise. Full real time preview. Automatically correct colour and brightness. Supports mobile phone view, the video speed is fluently efficient due to dual-streaming function. Support "connect easy", automatically port forwarding, Router setting is not needed. PCI Card. Windows® XP. DDNS. TCP/UDP. 352 x 288, 528 x 384, 704 x 576px.

Channel	Type	Video Input	Audio Input	Capture Rate	Recording Resolution	Code
8CH	PCI	8CH	8CH	200FPS	CIF	CCTV232
16CH	PCI	16CH	8CH	400FPS	CIF	CCTV233



## Monitor Splitter Analogue

### CCTV QUAD SCREEN

#### MULTI CHANNEL ANALOGUE DISPLAY D1 RESOLUTION WITH OSD, ZOOM AND EVENT ALARMS

- 4 Channel BNC input, 1 VCR BNC input, 1 VCR BNC output and 1 monitor BNC output
- Various display mode like quad split, Dual split, full screen, PIP screen & auto sequence.
- Adjustable brightness, contrast, Saturation, Hue & sharpness.
- NTSC-720x480/60Hz or PAL-720x576/50Hz
- High performance Freeze picture capability for each camera
- Zoom function, with area selectable, on freeze or live
- Full quad display at real-time refresh rate
- Video loss and motion detection with alert
- 60 event report OSD, Built in buzzer on event
- Selectable picture in picture modes
- Auto sequence mode for cycle view
- 12V DC regulated adaptor (included)



Code  
QUAD100





# Security & Surveillance

□ Surveillance AnaloguePlus

□ DVR Systems Watchguard AnaloguePlus

## 8 CHANNEL 720P HD HDCVI DIGITAL RECORDER - WATCHGUARD CVR8EV3

### 8CH DIGITAL VIDEO RECORDER HIGH DEFINITION 720P - SUPPORTS IP / HD-CVI / ANALOGUE INPUTS

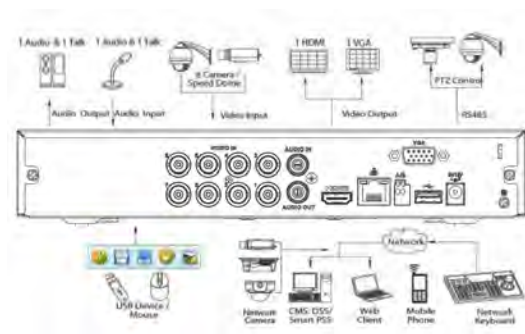
The Watchguard™ Compact Series Synergy™ DVRs feature extensive compatibility with support for HDCVI, HDTV, AHD, Analogue and IP video inputs, making it perfect for both new and retrofit CCTV installations. The DVR231 is an 8 channel HDCVI (high definition composite video interface) DVR capable of 720p HD recording over coaxial cable. It features 1 internal SATA port for up to 10TB of HDD storage and has 1x HDMI and 1x VGA video outputs. This DVR also features comprehensive remote view capabilities (iOS, Android & Windows Phone) and backup functionality (USB/network). This DVR also features comprehensive remote view capabilities (iOS, Android & Windows® Phone). This DVR suits updating existing installations and is able to expand as it offers network connectability and can record / view from IP cameras.



Phone Not Included

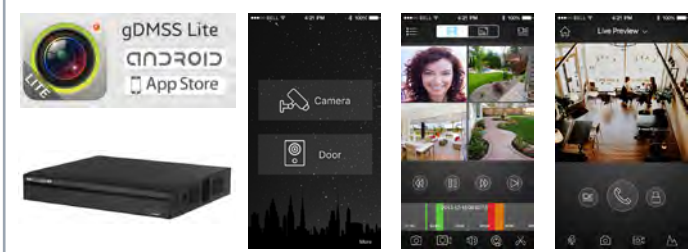
- Records up to 720p (HDCVI, HDTV, AHD) / 960H (analogue) / 5.0MP (IP) at up to 15fps
- 1 x SATA port for up to 10TB of HDD capacity
- Up to 500m HDCVI video transmission distance
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Configure remote view in seconds via QR code
- Remote view for iOS, Android & Windows Phone

8CH



• Accessories Not Included

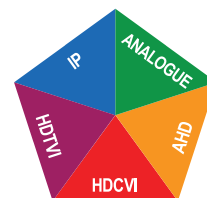
Alarm Input/Output	N/A
Audio Input/Output	1/1
Backup Modes	USB Device / Network
Bit Rate	1~6144Kb/s
Camera Config (Coaxial)	8 channels up to 720p/15fps (HDCVI, HDTV, AHD), 960H/30fps (analogue)
Camera Config (IP)	10 channels up to 5MP (replaces up to 8 x BNC inputs)
Dimensions	260mm x 220mm x 40mm (1U)
Display Resolution	Configurable from 1920 x 1080 to 1024 x 768
Display Split	1 / 4 / 8 / 9 / 16
Ethernet	RJ-45 port (10/100M)
Internal HDD	1 SATA port, up to 10TB
Max. User Access	128 users
Operating Environment	-10 ~55°C / 10~90%RH / 86~106kpa
Power Consumption	10W (without HDD)
Power Supply	DC12V/2A
Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD) / Alarm / Stop
Record Resolution	Configurable from 720p (1280 x 720) to CIF (352 x 288)
RS232	N/A
RS485	1 port
Two-way Talk	Reuse channel 1 audio input/output
USB Interface	2 ports: Front USB2.0
Video Detection	MD zones: 396 (22 x 18) / Video loss / Camera blank
Video Input	8 channel BNC
Video Output	1 HDMI / 1 VGA
Weight	0.75kg (without HDD)



Type	Channel	IP	Hard Disk	Code
CV / HDCVI / IP	8 CH	2 CH	No	DVR231
CV / HDCVI / IP	8 CH	2 CH	1TB	DVR231HD1TB
CV / HDCVI / IP	8 CH	2 CH	2TB	DVR231HD2TB
CV / HDCVI / IP	8 CH	2 CH	4TB	DVR231HD4TB
CV / HDCVI / IP	8 CH	2 CH	6TB	DVR231HD6TB



Comprehensive Remote View



Cross Compatibility





## 16 CHANNEL HD RECORDER - WATCHGUARD ANALOGUE-PLUS CVR16EV3

### 16CH DIGITAL VIDEO RECORDER HIGH DEFINITION 720P - SUPPORTS IP / HD-CVI / AHD / ANALOGUE INPUTS

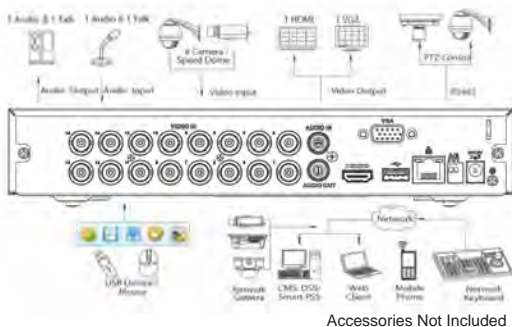
The Watchguard™ Compact Series Synergy™ DVRs feature extensive compatibility with support for HDCVI, HDTVI, AHD, Analogue and IP video inputs, making it perfect for both new and retrofit CCTV installations. The range aims to deliver affordable analogue surveillance, with the option to expand beyond 960H resolution to 720p HD where necessary. With support for up to 16 channels of analogue or HDCVI video, you can provide your customers with the flexibility they need to receive quality performance whilst landing within their budget. For installs with existing surveillance, this DVR can also substitute analogue/HDCVI video inputs for up to two IP channels. Achieve more than double the resolution of D1 when you take advantage of the 720p video input options via IP or HDCVI. The DVR232 is a 16 channel HDCVI (high definition composite video interface) DVR capable of 720p HD recording over coaxial cable. It features 1 internal SATA port for up to 10TB of HDD storage and has 1x HDMI and 1x VGA video outputs. This DVR also features comprehensive remote view capabilities (iOS, Android & Windows Phone), including quick configuration of remote view via QR code (excludes Windows® Phone) you can back up footage via USB device or over the network.



Phone Not Included

- Records up to 720p (HDCVI, HDTVI, AHD) / 960H (analogue) / 5.0MP (IP) at up to 15fps
- 1 x SATA port for up to 10TB of HDD capacity
- Up to 500m HDCVI video transmission distance
- HDMI & VGA simultaneous video output
- Backup via external USB device or local network
- Configure remote view in seconds via QR code
- Remote view for iOS, Android & Windows Phone

16CH

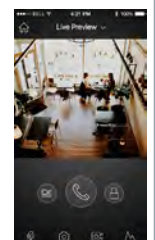
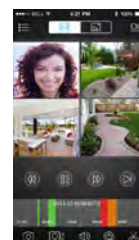
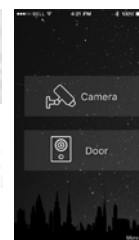
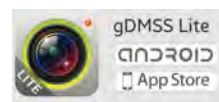


Accessories Not Included

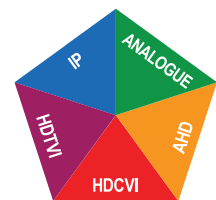
Type	Channel	IP	Hard Disk	Code
CV / HDCVI / IP	16 CH	2 CH	No	DVR232
CV / HDCVI / IP	16 CH	2 CH	1TB	DVR232HD1TB
CV / HDCVI / IP	16 CH	2 CH	2TB	DVR232HD2TB
CV / HDCVI / IP	16 CH	2 CH	4TB	DVR232HD4TB
CV / HDCVI / IP	16 CH	2 CH	6TB	DVR232HD6TB



Alarm Input/Output	N/A
Audio Input/Output	1/1
Backup Modes	USB Device / Network
Bit Rate	1~6144Kb/s
Camera Config (Coaxial)	16 channels up to 720p/15fps (HDCVI, HDTVI, AHD), 960H/30fps (analogue)
Camera Config (IP)	18 channels up to 5MP (replaces up to 16 x BNC inputs)
Dimensions	260mm x 220mm x 40mm (1U)
Display Resolution	Configurable from 1920 x 1080 to 1024 x 768
Display Split	1 / 4 / 8 / 9 / 16 / 25
Ethernet	RJ-45 port (10/100M)
Internal HDD	1 SATA port, up to 10TB
Max. User Access	128 users
Operating Environment	-10 ~55°C / 10~90%RH / 86~106kpa
Power Consumption	10W (without HDD)
Power Supply	DC12V/2A
Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s
Record Modes	Manual / Schedule (Regular [Continuous], MD) / Alarm / Stop
Record Resolution	Configurable from 720p (1280 x 720) to CIF (352 x 288)
RS232	N/A
RS485	1 port
Two-way Talk	Reuse channel 1 audio input/output
USB Interface	2 ports: Front USB2.0
Video Detection	MD zones: 396 (22 x 18) / Video loss / Camera blank
Video Input	16 channel BNC
Video Output	1 HDMI / 1 VGA
Weight	0.75kg (without HDD)



Comprehensive Remote View



Cross Compatibility



## □ DVR Kits Judge AnaloguePlus

### 4 CHANNEL HDCVI CCTV SURVEILLANCE KIT

#### INCLUDES 4x DOME CAMERAS, HARD DISKS & ACCESSORIES

The 4 channel Judge™ analogue surveillance kit is a perfect cost effective surveillance system with many great features. It can connect up to four cameras and output it to your monitor or television via the recorder's VGA and HDMI video outputs. High Definition Composite Video Interface technology enables you to transmit HD video over standard analogue video cable. Even in total darkness, the 4x 2MP mini dome cameras can capture clear HD video with an automatic IR-cut filter and 50m range LED infrared array. Maximise your included 1TB HDD storage capacity with H.264 variable-bitrate encoding and motion detection recording. Perfect indoors or out, the bundled dome cameras feature an IP67 rated metal chassis that is dust tight and weather resistant. The Judge CCTV surveillance system keeps you connected with your business, home and family, 24 hours a day from anywhere in the world. You can setup a mobile remote view on your smartphone or tablet in a flash by scanning the QR code on your Internet connected recorder. Compatible with Android and iOS.

- Records 2.0MP/1080p (1920 x 1080) at 12fps
- Full HD cameras streaming
- Includes pre-installed hard disk drive (1TB)
- Backup to USB device or via your local network
- Remote view in seconds with setup via QR code
- IP67 weather rated metal housing for outdoor cameras
- Up to 50m infrared range and 90° field of view
- This kit includes power supplies, 5-way power splitter cable, 2m CAT5 patch cable for network setup and 4x 18m camera loom cables

**JUDGE**  
CCTV SURVEILLANCE  
Captured, Caught, Convicted



View remotely from your smartphone

(Note: Smartphone not included)

**4Ch Recorder  
4x Cameras  
1TB HDD**



**OPTIONAL LCD MONITOR**



**INCLUDED ACCESSORIES**



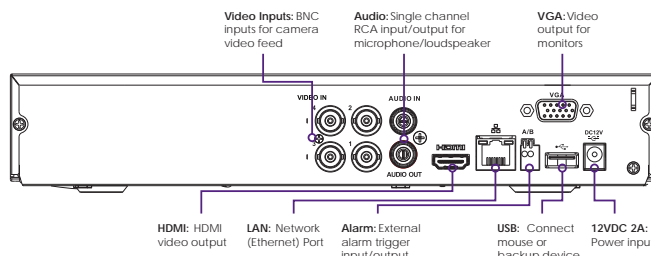
**4x 2.0MP HD-CVI MINI DOME CAMERA**

Camera	Hard Disk	Monitor	Code
4x 2.0M IR Dome cameras	1TB	-	DVR585
4x 2.0M IR Dome cameras	1TB	with 18" LCD	DVR586
4x 2.0M IR Dome cameras	1TB	with 24" LCD	DVR587

#### Specification

Video Input	4 channel BNC
ONVIF Conformance	2.4.1 Conformance
Video Output	HDMI/VGA
Display Resolution	from 1920 x 1080 to 1024 x 768
Display Split	1/4/6
On Screen Display	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Maximum Resolution	Configurable from 1080p(1920 x 1080) to CIF (352 x 288)
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer, Screen tips
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Playback Sync	1/4
Search Modes	Time/Date, By Motion, Exact search
Backup Modes	USB Device / Network
Ethernet	1x RJ-45 port (10/100/1000M)
Remote View	iOS (iPhone, iPad)/Android devices/Windows Phone
Internal HDD	1x SATA port, up to 10TB (1TB installed)
Power Supply	12Vdc 2A
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Dimensions	260x220x40mm
Weight	0.75kg (without HDD)
Featuring camera	4x Mini Dome
Image Sensor	1/2.7" 2.0 Megapixel CMOS
Lens	3.6mm F2.0 Fixed Lens
Day/Night	Auto (ICR) / Colour / B&W
Infrared Range	50m
Lighting Compensation	BLC
Resolution	Configurable from 2.0MP 1080p, (1920x1080) to CIF (352x288)
Frame Rate	1080p and lower (1 ~ 25fps)
Camera FOV	90°
Camera Ingress	IP67
Camera Power Input	12VDC

**JUDGE CCTV SURVEILLANCE**







## 8 CHANNEL HDCVI CCTV SURVEILLANCE KIT

### INCLUDES 8x DOME CAMERAS, HARD DISKS & ACCESSORIES

The 8 channel Judge™ analogue surveillance kit is a perfect cost effective surveillance system with many great features. It can connect up to eight cameras and output it to your monitor or television via the recorder's VGA and HDMI video outputs. High Definition Composite Video Interface technology enables you to transmit HD video over standard analogue video cable. Even in total darkness, the 8x 2M mini dome cameras can capture clear HD video with an automatic IR-cut filter and 50m range LED infrared array. Maximise your included 2TB HDD storage capacity with H.264 variable-bit rate encoding and motion detection recording. Perfect indoors or out, the bundled dome cameras feature an IP67 rated metal chassis that is dust tight and weather resistant. The Judge CCTV surveillance system keeps you connected with your business, home and family, 24 hours a day from anywhere in the world. You can setup a mobile remote view on your smartphone or tablet in a flash by scanning the QR code on your Internet connected recorder. Compatible with Android and iOS.

- Records 2.0MP/1080p (1920 x 1080) at 12fps
- Full HD cameras streaming
- Includes pre-installed hard disk drive (2TB)
- Backup to USB device or via your local network
- Remote view in seconds with setup via QR code
- IP67 weather rated metal housing for outdoor cameras
- Up to 50m infrared range and 90° field of view
- Includes power supplies, 2x 5-way power splitter cables, 2m CAT5 patch cable for network setup and 8x 18m (60ft) camera loom cables



**JUDGE**  
CCTV SURVEILLANCE

Captured, Caught, Convicted



View remotely from your smartphone

(Note: Smartphone not included)

**8Ch  
Recorder  
8x Cameras  
2TB HDD**



**OPTIONAL LCD MONITOR**



**INCLUDED  
ACCESSORIES**



**8x 2.0MP HD-CVI  
MINI DOME CAMERA**

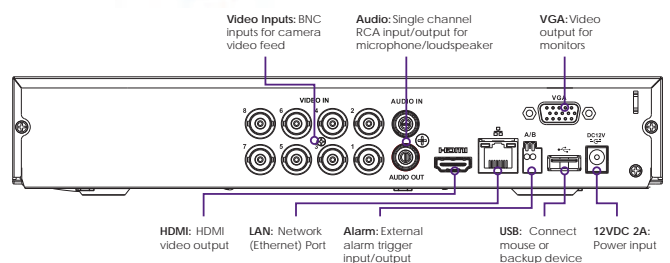
Camera	Hard Disk	Monitor	Code
8x 2.0M IR Dome cameras	2TB	-	DVR590
8x 2.0M IR Dome cameras	2TB	with 18" LCD	DVR591
8x 2.0M IR Dome cameras	2TB	with 24" LCD	DVR592

### Specification

Video Input	8 channel BNC
ONVIF Conformance	2.4.1 Conformance
Video Output	HDMI/VGA
Display Resolution	from 1920 x 1080 to 1024 x 768
Display Split	1/4/8/9
On Screen Display	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Maximum Resolution	Configurable from 1080p(1920 x 1080) to CIF (352 x 288)
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer, Screen tips
Video Detection	Motion (Zones: 396(22x 18)), Video Loss, Camera Blank
Playback Sync	1/4/9
Search Modes	Time/Date, By Motion, Exact search
Backup Modes	USB Device / Network
Ethernet	1x RJ-45 port (10/100/1000M)
Remote View	iOS (iPhone, iPad)/Android devices/ Windows Phone
Internal HDD	1x SATA port, up to 10TB (2TB installed)
Power Supply	12Vdc 2A
Operating Environment	-10 ~ 55°C / 10 ~ 90%RH / 86 ~ 106kpa
Dimensions	260x220x40mm
Weight	0.75kg (without HDD)
Featuring camera	4x Mini Dome
Image Sensor	1/2.7" 2.0 Megapixel CMOS
Lens	3.6mm F2.0 Fixed Lens
Day/Night	Auto (ICR) / Colour / B&W
Infrared Range	50m
Lighting Compensation	BLC
Resolution	Configurable from 2.0MP 1080p, (1920x1080) to CIF (352x288)
Frame Rate	1080p and lower (1 ~ 25fps)
Camera FOV	90°
Camera Ingress	IP67
Camera Power Input	12VDC



**JUDGE CCTV SURVEILLANCE**







## Analogue Cameras Dome Indoor

### INDOOR DOME CAMERA

Taiwan manufactured Hi-Grade Electronics Beige coloured.

CCD	Sony 1/3"
FOV	72°
Lens	3.6mm MTV
TVL	540
Size	75x112mmØ
Current	150mA
Volts	12V DC
Code	CAM003



MTV Lens system.  
Change the Lens to  
Change the FOV



### INDOOR DOME CAMERA COMPACT

Compact dome camera for wall or ceiling.  
With OSD programming & controller.

CCD	Sony 1/3" Super HAD CCDII
TVL	700
FOV	72°
Lens	3.6mm Board Lens
Size	58x88mmØ
Current	300mA
Volts	12Vdc
Code	CAM291WH



MTV Lens system.  
Change the lens to  
change the FOV.



### BALL CAMERA NIGHT INDOOR

Tough plastic casing, off-white.  
Ball type 3-Axis adjustable.  
Indoor with IR Night vision.  
Includes DWDR, OSD, DNR, Effio-E.

CCD	Sony 1/3"
TVL	700
FOV	72°
Lens	3.6mm MTV
Size	95x75mmØ
Current	350mA
Volts	12V DC
Code	CAM031



MTV Lens are changeable to  
different focal length versions.



### INDOOR DOME CAMERA VARIFOCAL

#### SONY SUPER-HAD 1/3" CCD WITH ZOOM

Manual Zoom adjustment Varifocal. Switchable I/O for AES, BLC, AGC, Mirror. DSP processing for faster compensations. Super Noise Reduction. 3-Axis mount including lens rotation for easy setup wall or ceiling. No IR. Low illumination. Indoor only. Clear plastic dome. 3D Noise Reduction, Digital zoom, UTC, OSD with external Joystick menu controller.

CCD	Sony 1/3" 1.3M
TVL	1000
FOV	45° - 90°
Zoom	2.8mm - 12mm
LUX	0.1
Size	118x106mmØ
Current	150mA
Volts	12V DC
Code	CAM271



### INDOOR DOME CAMERA VARI-FOCAL IR

Manual Zoom adjustment 2.8mm-12mm Vari-focal Quality glass CS lens AES, BLC, AGC, Mirror. New improved 12 bit DSP processing for faster compensations and noise reduction. IR-CUT filter switch for night as day view. 3-Axis mount (with rotate). Low Illuminated 17 LEDs View 20 Metres. CAM256 has DWDR, OSD, DNR, UTC Effio-E. CAM311 has DEFOG, Real WDR, 3D-NR, UTC Effio-V, Digital Zoom, UTC, OSD with external Joystick menu controller.

CCD	Sony 1/3" 960H	Sony 1/3" 960H + Effio V
TVL	700	720
FOV	30° - 60°	30° - 60°
Zoom	2.8mm - 12mm	2.8mm - 12mm
IR	20M	20M
LUX	0	0
Size	149x99mmØ	149x99mmØ
Current	350mA	350mA
Volts	12V DC	12V DC
Code	CAM256	CAM311



#### AUTOMATIC NIGHT VISION

DWDR = Wide Dynamic Range  
ATR = Adaptive Tone Reproduction  
OSD = On Screen Display CAM311







## □ Analogue Cameras Dome Vandal-Proof

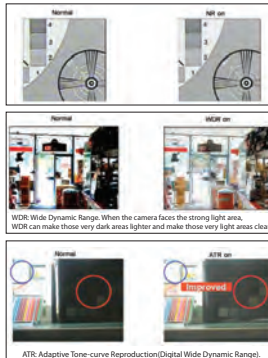
### DOME CAMERA VANDAL PROOF ZOOM IR

#### MANUAL ZOOM ADJUSTMENT

3.5mm-8.0mm Vari-focal. Quality glass lens. IR LEDS 15 metres.  
Zero lux viewing 180° reversal switch 3 Axis adj. Cast metal base.  
IP66 Vandal proof case. Conduit side entry or behind base.

- Conduit Side Cable Entry or Behind Base Cable Entry
- 180° Reversal Switched & 3-Axis Lens Rotation
- Night Vision IR Illuminated 15 Metres
- Real WDR, OSD, 3D-NR, Effio-P

CCD	Sony 1/3" Effio-P
TVL	700
FOV	45° - 90°
Zoom	2.8mm - 12mm
Size	135x110mmØ
Current	400mA
Volts	12V DC
Code	CAM249



### DOME CAMERA VANDAL PROOF

#### METAL ENCLOSURE

3 Axis Vandalproof & Waterproof Dome Camera IP66 Colour 1/3" SONY 1.3 Megapixel Sensor, 720P Composite output, 1000TVL for digital zoom, Low Illumination, OSD, 3D NR, UTC.

CCD	Sony 1/3" 1.3M
TVL	1000
Zoom	2.8-12mm
Outdoor	IP66
Size	111x148mmØ
IR	20M
Code	CAM321



### DOME CAMERA COMPACT BALL

Aluminium case sealed. High weather resistance. Vandal resistant design.

IR Illuminated 24 LEDs for excellent night vision.

OSD with external Joystick menu controller.

Sony 1/3" 1.3 Megapixel, 720p, 1000TVL, Low Illumination, 3D-NR, Digital Zoom, UTC.

FOV	45°
Size	69x94mmØ
IR	20M
CCD	3.6mm MTV Sony 1/3" Effio-P
TVL	1000
Colour	Grey White
Volts	12V DC 12V DC
Code	CAM293GY CAM293WH



### DOME CAMERA NIGHT ZOOM

#### MANUAL VARIFOCAL

Outdoor Vandal-proof IP65 cased in an attractive alloy finish. Ball-n-socket design. Screw adjustments for focus & zoom.

IR Illuminated 30M. Demister, SCR & Sense Up. OSD with external Joystick menu controller.

CAM234: Sony 1.3M 720p, OSD, 3D-NR, Digital Zoom, UTC

CAM270: Low illumination, DEFOG, Real WDR, OSD, 3D-NR, UTC, Sony CCD Effio-V

Zoom	2.8mm - 12mm	2.8mm - 12mm.
FOV	30° - 82°	30° - 82°.
Size	93x131mmØ	93x131mmØ.
CCD	Sony 1/3" 1.3M	Sony 1/3" 960H + Effio V
TVL	1000	1000 720 720
Colour	Grey White	Grey White
Current	450mA 450mA	450mA 450mA
Volts	12V DC 12V DC	12V DC 12V DC
Code	CAM234GY CAM234WH	CAM270GY CAM270WH



#### DEEP MOUNT BASE

Add-on base to suit CAM234 & CAM270. Cast alloy. 50x120mmØ with PVC pipe entry point.

Colour	Code
White	MB1013WH
Grey	MB1013GY



CAM234WH SHOWN WITH OPTIONAL MB1013 DEEP MOUNT BASE





## Analogue Cameras Bullet

### OUTDOOR CAMERA COMPACT

#### IR ILLUMINATED IP66 WEATHERPROOF

IP66 Weatherproof IR Camera with 3 axis wall/ceiling bracket.  
Sony 960H CCD with 720TVL, low illumination, OSD, 3D NR, DEFOG, SLR, Sense-up, Effio-A features.

CCD	Sony 1/3" 960H + Effio-A
TVL	720
FOV	45°
Lens	3.6mm
Size	86x60x55mm
Outdoor	IP66
IR	20M
LUX	0
Volts	12Vdc
Current	350mA
Code	CAM298



### OUTDOOR IR CAMERA

Weatherproof IR Camera with 70x IR LED. 60M working distance. IP66 Water resistance suitable for outdoor use. Rated. 2.8-12mm Manual Zoom Lens. Includes 3 axis wall/ceiling bracket.

CAM320 : Sony 1/3" 1.3M sensor, 1000TVL, 720P, low illumination, OSD, IR-CUT, 3D NR, Digital Zoom, UTC

CAM322 : Sony 960H 1/3" CCD sensor, 720TVL, low illumination, DEFOG, real WDR, OSD, UTC Effio-V features.

Size	298x100x106mm	298x100x106mm
CCD	Sony 1/3" 1.3M	Sony 1/3" 960H
FOV	22° - 100°	22° - 100°
TVL	1000	720
Zoom	2.8 - 12mm	2.8 - 12mm
LUX	0	0
Outdoor	IP66	IP66
IR	60M	60M
Current	800mA	800mA
Volts	12V	12V
Code	CAM320	CAM322



### OUTDOOR CAMERA

#### IR & WEATHERPROOF NIGHT

Weatherproof IR Camera with 72x IR LED. 60M working distance. Water resistance IP66 rated. 2.8-12mm Manual Zoom Lens. Includes double 3 axis wall/ceiling bracket.

OSD Menu controlled by inline cable joystick menu 5 way button.

CAM313: 700TVL, DWDR, OSD, DNR, Sony Effio-E

CAM312: 700TVL, Real WDR, OSD, 3D-NR, UTC, Sony Effio-P

TVL	700	
FOV	22° - 100°	
Zoom	2.8mm - 12mm	
IR	60M	
Size	275x125x105mm	
CCD	Sony 1/3" Effio-E	Sony 1/3" Effio-P
Current	800mA	800mA
Volts	12Vdc	12Vdc
Code	CAM313	CAM312



### OUTDOOR IR CAMERA

#### DAY-NIGHT HEAVY-DUTY IP67

CCTV Camera with High-power Taiwan LED focused to illuminate up to 60 metres IR Distance, 700TVL, 1/3-inch Sony 700TVL CCD. IR IP66 Waterproof Surveillance.

- Includes sun and rain hood plus mounting arm.
- Hidden wiring loom. Wall mounting. Pro-grade lens.

CCD	1/3" CCD Colour
TVL	700
Zoom	16mm
FOV	17°
Size	90x90x170mm
IR	60M
Current	80mA
Volts	12Vdc
Code	CAM250







## OUTDOOR CAMERA IR ZOOM

### IP66 OUTDOOR WEATHER PROOF

Aluminium case weather proof with high brightness IR Illumination for excellent Night vision. Standard & Deluxe models. Includes wall mount stand.  
 CAM228: Sony 1/3" 1.3 Megapixel, 720p, 1000TVL, 3D-NR, Digital Zoom, UTC.  
 CAM274: OSD Menu, Controller, Real WDR, 3D NR, Sony 662/663 Effio-P.  
 CAM274A: Dual voltage 12Vdc/24Vac version of CAM274.

CCD	Sony 1/3" 1.3M	Sony 1/3" Effio-P	Sony 1/3" Effio-P
TVL	1000	700	700
FOV	22° - 100°	22° - 100°	22° - 100°
Zoom	2.8mm - 12mm	2.8mm - 12mm	2.8mm - 12mm
IR	40M	40M	40M
Size	155x85mmØ	155x85mmØ	155x85mmØ
Current	500mA	500mA	500mA
Volts	12Vdc	12Vdc	12Vdc/24Vac
Code	CAM228	CAM274	CAM274A



## OUTDOOR CAMERA IR ZOOM

### IP66 OUTDOOR WEATHER PROOF

Heavy-Duty aluminium case that is IP66 outdoor weather proof design with sunshield. High brightness IR Illumination for excellent Night vision. Includes wall mount stand. 1/3" Sony CCD, 960H, 720TVL, Low illumination, DEFOG, Real WDR, 3D-NR, UTC, Sony Effio-V, OSD with Joystick.  
 "A" Versions: Dual Voltage 12Vdc/24Vac version, The Non "A" versions use 12Vdc.

CCD	Sony 1/3" 960H + Effio-V
TVL	720
FOV	22° - 100°
Zoom	2.8mm - 12mm
IR	60M
Size	240x186x100mm
Current	800mA
Volts	12Vdc
Code	CAM305



## OUTDOOR CAMERA NIGHT VISION ZOOM

### WEATHERPROOF WALL MOUNT

Weatherproof IR Camera with 42x IR LED. 40M working distance. Water resistance IP66 rated. 2.8-12mm Manual Zoom Lens. Includes 3 axis wall/ceiling bracket. OSD Menu controlled by cable button. Dual voltage. (12Vdc/24Vac)

LUX	0
IR	40M
Outdoor	IP66
Size	240x186x100mm
CCD	Sony 1/3" Effio-P.
TVL	700
Zoom	8mm - 20mm
FOV	10° - 32°
Current	800mA
Volts	12Vdc/24Vac
Code	CAM297A



## OUTDOOR CAMERA ZOOM 100 METRES

### SUPER IR ILLUMINATED TELEPHOTO ELECTRONIC ZOOM LENS

Electronic 22x Optical Zoom 12x Digital Zoom remote controllable. IP66 Weather Proof all metal heavy-duty aluminium cabinet.

CCD	Sony 1/3"
TVL	480
FOV	22x 10x
Zoom	4mm - 86mm
IR	100M
Size	185x110mmØ
Current	1000mA
Volts	12Vdc
Code	CAM246

Requires mounting arm solution.  
 OSD Menu. 4 control wires.



PROLINK

REQUIRES MOUNTING ARM  
 Available separately.





## Analogue Cameras Compact

### OUTDOOR CAMERA MINI

#### MINI WEATHER-PROOF

Compact Indoor/Outdoor 1/3" Sony Super HAD, Effio-P, DSP, 500TVL. 12 LEDs for 15 Metres.

CCD	Sony 1/3" 1.3M
TVL	500
FOV	72°
Lens	3.6mm
Size	76x50mmØ
Current	180mA
Volts	12Vdc
Code	KTK801C



### MINIATURE PIN-HOLE

CCTV camera with pin-hole infinite focus and inbuilt digital signal processing in a compact package. Many settings are programmable via the onscreen display and external in-line joystick controller. Colour 1/3" SONY 650TVL, Low Illumination, DWDR, OSD, DNR Sony 638/639 + Nextchip 2040E DSP.

CCD	Sony 1/3" Pin-Hole
TVL	650
FOV	72°
LUX	0.001
IR	Nil
Size	25x10x25mm
Current	150mA
Volts	12Vdc
Code	CAM308



### SUPER-SMALL PIN-HOLE CAMERA

Incredibly tiny Security Camera for near invisible placement or for an easy install design. Lead out to connection sockets. 2.1mm power, RCA Composite Video out. 3.6mm. 380 TV. 3 Lux.

CCD	CMOS B&W
Volts	12Vdc
Size	15x15x15mm
Code	KTK707B



### OUTDOOR CAMERA BLACK & WHITE MINI

#### COMPACT METAL CASE

Small in size & cost! Only 45x40x40mm +Base Suit under eaves, etc. Built-in microphone. B&W CMOS CCD 320 x 240 pixel. 46dB. 0.2 Lux. 12Vdc 50mA

CCD	CMOS B&W
TVL	320
IR	10M
Outdoor	IP55
Code	LTC601BS



Also ideal to use as dummy camera

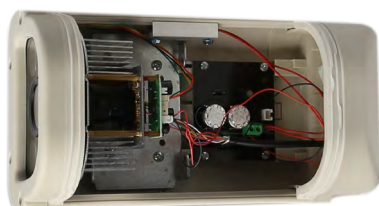
## Analogue Cameras Box

### OUTDOOR CAMERA PRO STYLE

#### LARGE OUTDOOR MANUAL ZOOM

4x Ultra-bright IR 120 Metre. IP66 Heavy-Duty sealed casing. 6-22mm Manual Zoom Lens 2 Mega Pixel 1/3" Sony Effio-P 700TVL, Real WDR, OSD, 3D-NR, UTC, OSD with inline controller. Built-in Auto temperature control IP66. Size: 230x180x115mm 2.5kg. Includes heavy-duty arm.

CCD	Sony 1/3" Effio-P
TVL	700
Zoom	6mm - 22mm
IR	80M
Size	230x180x115mm
Current	1200mA
Volts	12Vdc
Code	CAM317



### BOX CAMERA DSP EFFIO-E

#### DIGITAL OSD SETUP

Classic CCTV camera 48dB high gain CCD 480TVL 0.01 LUX, OSD Menu ATW, AGC, BLC, Shutter, etc. 12Vdc or 24Vac 60mA 185x60x60mm 4 Pin socket for Iris control.

CCD	Sony 1/3" Effio-E
TVL	500
LUX	0.5
Lens	"CS"
Size	50x60x150mm
Current	60mA
Volts	12Vdc/24Vac
Code	CAM022

Optional housings and brackets available



Requires "CS" type lens to suit are available



Requires "CS" Lens





## BOX CAMERA DSP EX-VIEW

### DIGITAL OSD SETUP

Premium quality unit. Rear push-buttons for OSD control of the advanced digital signal processor. 1/3" Sony Ex-view HAD 700TVL 0.01Lux. OSD Menu and DC Drive. Dual Voltage 12Vdc/24Vac.

CCD	Sony 1/3" Ex-View
TVL	700
LUX	0.01
Size	130x60x50mm
Lens	"CS" Required
Current	100mA
Volts	12Vdc/24Vac
Code	CAM024

Optional housings and brackets available



Requires "CS" type lens to suit are available



REQUIRES "CS" LENS

## PTZ Speed Dome Analogue

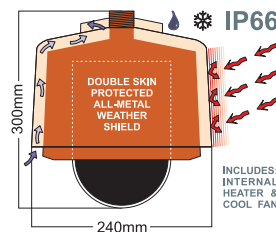
### HIGH-SPEED DOME CAMERA SYSTEM

#### PROGRAMMABLE PANNING + ALARM

24 Point programmable panning schedule. 7 input, 2 output alarm control wires. OSD or PC or RS485 Keyboard controller. High Resolution 480 TV Lines Sony CCD. 18x Optical + 10x Digital Zoom (180x). Metal 300x240mmØ Requires Bracket.

**DAY & NIGHT** Super Eye CCD  
Sony 1/4" Super-HAD 0.01 Lux IR CCD  
Code  
CAM501

**DAY** Constant Illumination  
Sony 1/4" Super-HAD 0.7 Lux CCD  
Code  
CAM500



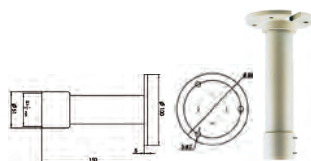
ARM IS NOT INCLUDED

INCLUDES: CAMERA & BELL HOUSING

#### CEILING PENDENT 6"

Hangs camera from ceiling  
Metal mast length 230mm

Code  
MB1005



## Analogue Cameras Clandestine

### PIR SPY CAMERA

#### NOT A PIR

Pin hole camera for unobtrusive observation. Has all the appearance of, but is not, a passive infrared detector alarm. Quality high definition image with 800TVL, 18x LED IR illumination (hidden in PIR window). OSD with inline joystick controller. 3D NR, DEFOG, SLR, Sense-up, Effio-A features.

CCD	Sony 1/3" Ex-View Super HAD-II
TVL	800
FOV	72°
Lens	3.7mm
Size	102x60x32mm
Code	CAM292



Not a PIR

### CEILING COLOUR CCD CAMERA

#### THIS IS NOT A SMOKE DETECTOR

Designed for stealth installations. Place on a ceiling where a hidden surveillance camera is felicitous. Pin hole lens. BNC Output. 52x125mmØ 12Vdc. Sony 1/3" CCD with 700TVL, Low Illumination, ATR, OSD, DNR Sony 810AK/811AK. UTC Effio E.

CCD	Sony 1/3" Effio-E
TVL	700
FOV	57°
Lens	3.6mm
Size	70x40x119mm
Code	CAM013



### MINIATURE PIN-HOLE

CCTV camera with pin-hole infinite focus and inbuilt digital signal processing in a compact package. Many settings are programmable via the onscreen display and external in-line joystick controller. Colour 1/3" SONY 650TVL, Low Illumination, DWDR, OSD, DNR Sony 638/639 + Nextchip 2040E DSP.

CCD	Sony 1/3" Pin-Hole
TVL	650
FOV	72°
LUX	0.001
IR	Nil
Size	25x10x25mm
Current	150mA
Volts	12Vdc
Code	CAM308



### SUPER-SMALL PIN-HOLE CAMERAS

Incredibly tiny Security Cameras for near invisible placement or for an easy install design. Lead out to connection sockets. 2.1mm power, RCA Composite Video out. 3.6mm. 380 TV. 3 Lux.

CCD	CMOS B&W
Volts	12Vdc
Size	15x15x15mm
Code	KTK707B







## □ Surveillance Automotive

### □ Reversing Cameras

#### LICENSE PLATE CAMERA

- Camera Type: CMOS
- 120/60 Degree viewing angle.
- Operating Voltage : 12V
- Camera IP Rating: IP67
- Camera Mount type: Number Plate
- NTSC Reversed (Mirrored)
- Parking Lines overlay on Video
- 5M Video & Power Extension

Code  
G45C

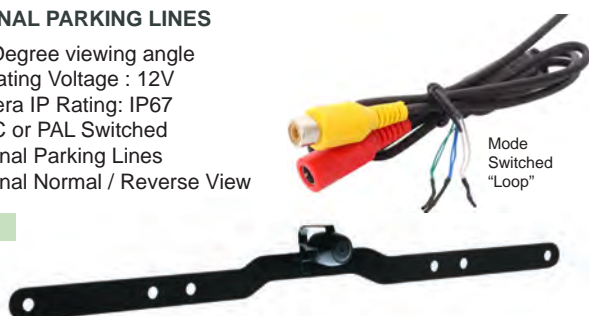


#### LICENSE PLATE CAMERA LOOP

##### OPTIONAL PARKING LINES

- 120 Degree viewing angle
- Operating Voltage : 12V
- Camera IP Rating: IP67
- NTSC or PAL Switched
- Optional Parking Lines
- Optional Normal / Reverse View

Code  
G45CL

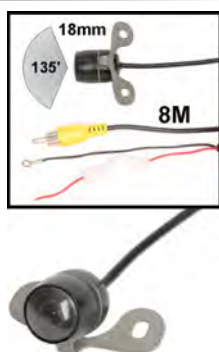


#### SUPER-SMALL TAG MOUNT

##### WEATHER PROOF IP67

45° Mounting bracket. Body rotates on tag base to align. 130° Wide Angle FOV. Very rugged for use on vehicles, etc. Very compact 19x18mmØ. Includes 8M video cable. Requires 12Vdc 40mA. Hard wired power leads. Taiwan. High sensitivity. Low noise. 2.0 Lux 6.35mm ¼" CMOS Colour NTSC.

System NTSC  
Code CM103



#### BUTTERFLY CAMERA LOOP

Butterfly Rearview Camera. Aluminium case & waterproof for outdoor to IP67 Standard. Lens Angle 170° horizontal & 90° vertical. Ultra bright night vision. Includes Power Wire and 5.5M Video/Power. "Loop" wires for programming options: NTSC/PAL, Normal/Reversed, Parking lines.

Code  
G30CL



#### BUTTERFLY CAMERA NTSC

Butterfly Rearview Camera. Aluminium case & waterproof for outdoor use. IP67 Standard. Lens Angle 170° horizontal & 90° vertical. Ultra bright night vision Includes Power Wire and 5.5M Video/Power Lead. NTSC.

Code  
G30C



#### HOLE-MOUNT CCD IR

##### WEATHER PROOF

Metal barrel. Flush mounting. As used with Reversing kits. 28mm Hole mount 65mm deep. 1/3" CCD Colour 420 TVL PAL 628x582 pixels FOV 110° Wide Angle 0 Lux IR Illuminated. 12Vdc (2.1mm) RCA Video out. Includes drill bit and 5M video & connection cable.

System Code  
PAL CD102P



#### HOLE-MOUNT CMOS

##### WEATHER PROOF

Flush mounting as used in our Reversing kits. Metal barrel 25mm Hole mount 45mm deep +lead 1/3" CMOS Colour 420 TVL PAL 628x582 pixels FOV 92° Wide Angle 2.0 Lux 3.6mm 12Vdc (2.1mm) RCA Video out.

System Code  
PAL CM101P



#### HOLE-MOUNT CMOS IR

##### WITH IR ILLUMINATION

Weather proof flush mounting as used with car Reversing kits. Metal barrel 28mm Hole mount 45mm deep +lead 1/3" CMOS Colour 420 TVL PAL 628x582 pixels FOV 110° Wide Angle 2.0 Lux (0 Lux) 12Vdc (2.1mm)

System Code  
PAL CE100P



#### REVERSING CAMERA KIT

##### PAL & ANGLE ADJUSTABLE

Kit includes 25mm hole camera 1.5M DC Lead to bare wire for connection to reversing lamp. 5M Video Lead RCA to RCA. and bonus 25mm drill bit to suit. IP68 Metal barrel CCD 380TVL PAL with 92° FOV and 3LUX

Code  
CAM278



#### FLUSH MOUNT CAMERA

- Flush mount rear-view Camera
- IP67 Aluminium case & waterproof for outdoor use
- Lens view 170°/90°
- Fixed angle mount
- High gain night vision
- 5M Video & Power lead
- 18.5mm Drill bit included
- 12Vdc. NTSC

Code  
G35C







## UNIVERSAL 12V BOX CAMERA

- 12V 1/4" Sony Colour CCD Camera
- Waterproof Day/Night function
- Useable illumination: 0 Lux
- Built in IR LED - IR LED working distance: 5 Metres
- Water resistance: IP67

Code  
G50CC



## UNIVERSAL 24V BOX CAMERA

- 24V 1/4" Sony Colour CCD Camera
- Waterproof Day/Night function
- Useable illumination: 0 Lux
- Built in IR LED - IR LED working distance: 5 Metres
- Water resistance: IP67

Code  
G52CC



## REAR VIEW CAMERA FOR HOLDEN

High Resolution SONY CCD Pick up  
Suits Holden Captiva 2006-2010,  
Cruze 2009-2010, Epica 2007-2010

Code  
G50VS



## CUBE CAMERA B&W CMOS

### COMPACT METAL CASE

Small in size & cost!  
45x40x40mm +Base  
Weather resistant  
All metal casing.

### B&W CMOS

320 x 240 pixel.  
46dB. 0.2 Lux.  
12Vdc 50mA

Code  
LTC601BS



## REVERSING MONITOR & CAMERA KITS

### SEE AUTOMOTIVE SECTION 09

AERPRO Range of Automotive Reversing Camera and Monitor Kits  
including cabling, etc. See the Automotive Section 09...

AUTOMOTIVE  
SECTION 09



AUTOMOTIVE  
SECTION 09







## □ Sports Cameras

### NAVIG[8]R SPORTS CAM 1080X

#### KIT INCLUDES WATERPROOF HOUSING AND ACCESSORIES

The Sports Cam 1080X delivers Full HD 1080p @30fps video recording for detail imagery at high-speed. The 2" LCD screen on the back shows you what's being recorded and allows for playback or camera settings via the on screen menu, so you can edit, adjust or film with ease. It comes with Waterproof Housing for water sports like snow skiing, diving, surfing, or splashes by the pool. Ideal for sports or activity with fast paced action! The camera comes packed with 9 accessories including mounts, custom skin wraps, remote control and car charger. It's lightweight and portable and uses a Lithium Polymer rechargeable battery, which is good for up to 90 minutes of normal usage. It has a micro SD card slot for storing your best moments! It is the perfect Sports Cam for the outdoors and extreme sports. (Note: micro SD card is not included and is sold separately).

- The Navig8r Sports Cam 1080X records video up to 1080p (@30fps). Record video in vivid colour and high-speed detail. Suitable for extreme sports, outdoors or travelling.
- Take full control over the camera at your fingertips.
- An included wireless remote control lets you start and stop recording.
- The 2" LCD screen on the back shows you what's being recorded and allows for playback or camera settings via the on screen menu. So you can review, adjust or film with ease.
- The Sports Cam 1080X comes with robust waterproof housing. Ideal for water sports including diving, surfing, or splashes by the pool.
- Customise your Sportscam 1080X with one of the four included skin wraps. The vibrant colour skin wraps make it easy for you to locate your cam in the water or on the ground.
- The Navig8r Sports Cam 1080X comes with 9 other bonus accessories including a helmet mount, and a bike mount which means you can insert a memory card (sold separately) and start filming with the camera with these accessories straight away.

Code  
SPC1000

**LASER**



58x44x23mm

Requires Micro-SD Card



### FULL HD 1080P SPORTS CAMERA G180SPCR

#### DASH CAM & SPORTS CAM

2 in 1 Action Camera and Dash Camera. The Gator G180SPCR 1080P full HD Sports Action Camera comes supplied with a waterproof case and multiple mounting options allowing you to use it almost anywhere. The camera is full HD 1080P so you can be sure to get extremely clear footage and has a huge 170 Degree lens angle. The built-in 1.5" LCD allows for instant playback and the 900mAh rechargeable battery will provide up to one hour of record time. The kit comes supplied with an in-car charger and a USB cable. It supports up to 32GB Micro SD (not included) which can provide up to 320 minutes of footage.

- 1080P FULL HD Resolution
- 170 Degree Wide Angle Lens
- Dimensions (Camera Only): 48x42x45mm
- 1.5" LCD Screen
- Waterproof to 30 m
- HDMI Output (type-D)
- Dual Charging Voltage 12/24V
- Package includes camera, car charger, micro USB cable, waterproof case, windscreen suction mount, helmet mount and strap, bike handle mount.
- Compatible With Most Popular Sports Camera Mounts

Code  
G180SPCR

**GATOR**  
ENTERTAINMENT



48x42x45mm

Requires Micro-SD Card







## Dash Cams

### DVR CAR FULL-HD 1080P WITH GPS

- Full HD 1080p @ 30fps
- 2.4" 4:3 High resolution TFT screen
- 170° HD wide angle lens
- GPS tracking (Windows® OS)
- G-sensor function
- 4x Digital zoom
- H.264 Video compression
- 12MP still images
- Seamless cycle recording
- Suction car mount with 360° rotation
- Support Micro SD card up to 32GB
- Mini USB/AV interface

**GPS**

Code  
GHDVR369



### DVR CAR CAMERA RECORDER FULL-HD 1080P

- CAR DVR Full HD 1920x1080P
- 2.4" High-resolution LCD screen
- 148 Degree HD Wide Angle Lens
- G-Sensor Function
- H.264 Video Compression
- Digital Zoom 4 X
- 12 Megapixel Still Images
- Seamless Cycle Recording
- Suction Car Mount 360° Rotation
- Supports Micro SD card up to 32GB
- HDMI / Mini USB Interface

Code  
GHDVR303



### DVR CAR CAMERA RECORDER FULL-HD 1080P

- HD DVR 1080P Car Camcorder Full HD 1920 x 1080P
- 2.4" 4:3 high-resolution TFT screen
- 148 degree HD wide angle lens
- G-Sensor function
- Digital zoom 4 X
- 12 megapixel still images
- Seamless cycle recording
- Suction car mount with 360 degree rotation
- Supports micro SD card up to 32GB (SD card NOT included)
- HDMI / mini USB interface

Code  
GHDVR292



### DVR CAR CAMERA RECORDER 720P

- 120° HD 1280x720p CCD
- 12MP still camera
- DVR uses MicroSD (Not Included)
- Rechargeable backup battery
- Long 3M Charging lead
- USB lead for PC download
- 1.5" LCD viewing Screen
- Extra-compact 76x42x30mm
- Windscreen suction bracket
- G-Sensor function
- Loop recording

Code  
GDVR203



### DASH CAM - GATOR DVR FULL HD 1080 1.5" LCD

#### 1080P FULL HD CAR DVR CAMERA - BONUS 4GB MICRO SD CARD

The full HD car DVR can be used to record video at up to full HD 1080p @25 fps. The Full HD dash camera has an integrated 1.5" LCD screen for video playback. Adjustable 170 degree wide angle lens. H.264 video compression. With auto ignition power on/off, Seamless cycle recording, SOS file lock function, G-sensor, photo mode and on screen video playback. The glass-mount in car dash cam is easy to install into your car. It comes with adhesive tapes to mount it firmly onto your windscreen. A car charger and a 4GB micro SD is included.

Code  
GHDVR359



NOTE: The DVR uses a super-capacitor type battery for extending recording. The unit needs to be permanently connect to the power supply to operate. Accessories connection cables included.



### 5" REVERSING CAMERA & DASH CAM COMBO UNIT

#### GATOR HD-DVR 1080 FRONT AND REAR CAMERA RECORDER

- 5" HD LCD Monitor built-in to a Reversing Mirror
- Integrated front facing 175° camera, angle adjustable
- Rear camera with night IR illumination
- 5 metres AV & power connection cable
- Reversing camera function on car reversing
- Dual recording of both front and rear cameras
- Recording function H264 loop mode
- G-Sensor for park mode recording
- Rechargeable battery backup
- Requires MicroSD card (up to 32Gb)

Code  
GHD5MR



**FORWARD FACING CAMERA**







## □ Dash Cam - Thinkware

### THINKWARE 1080P FULL HD SMART DASH CAM F750

#### YOUR SMART GPS ROAD SAFETY COMPANION - WITH WIFI MOBILE PHONE CONTROL

The THINKWARE F750 Wi-Fi Full HD Dash Cam with GPS has a Sony® Exmor® sensor to keep watch around your car and record incredibly clear 1080p Full HD video at 30 fps. It also has a built-in 3-axis G sensor, GPS tracking capabilities, and a PC viewer for Windows® / Mac® OS.



**THINKWARE**  
**F750**

[www.thinkware.com](http://www.thinkware.com)

- Road Safety Warning System that provides alerts for Lane Departure and Front Collision
- Safety Camera Alert with the built-in GPS and safety camera location database.
- Actively monitors the vehicle location to inform you of approaching traffic/speed cameras
- Two-step warning system, provides distance remaining then when you reach the traffic camera location.
- 140° wide viewing angle for maximum visibility, capturing a wider view of the roads.
- Advanced image correction technology ensures a stable and uninterrupted performance
- Ambarella A7 CPU minimizes power consumption while providing optimal performance.
- Dual Save records footages to both the microSD memory card and the built-in internal memory
- In the event that the memory card is damaged, the Dual Save Technology has a backup
- Supports various recording modes that you can use according to your needs:
- Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording.
- In the event of a power loss during an accident, the recorder uses the Super Capacitor to continue
- WiFi-enabled to easily control, manage and configure the settings with a smart phone
- Anyone can activate and control the Thinkware Dash Cam F750 easily

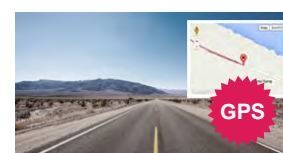
Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1920x1080P	No	Safety	105x62x41mm	16GB	124min	with GPS, Safety & WiFi	F75016
1920x1080P	No	Safety	105x62x41mm	32GB	248min	with GPS, Safety & WiFi	F75032
1920x1080P	No	Safety	105x62x41mm	64GB	496min	with GPS, Safety & WiFi	F75064



### THINKWARE 1080P FULL HD SMART DASH CAM X500

#### PREMIUM DASH CAM & GPS SAFETY CAMERA ALERT SYSTEMS

The Thinkware Dash Cam X500 is a premium dash camera that can capture Full HD 1080p quality video at 30fps. It has a 2.7" LCD display for instant playback, control/configuration and reviewing recorded footages. It features an impressive road safety warning system which give warnings to the driver when the vehicle is at risk of accident, and a safety camera alert system which alert the driver about the location of the cameras. The dash cam uses a high quality image sensor to produce clear images, and it has a build-in GPS to supply the telemetry data for analysis using the Thinkware PC Viewer.



- Road Safety Warning System that provides alerts for Lane Departure and Front Collision
- Safety Camera Alert with the built-in GPS and safety camera location database.
- Actively monitors the vehicle location to inform you of approaching traffic/speed cameras
- GPS data can precisely pinpoint the vehicle's driving speed, location and routes on the map.
- 2.4MP Sony® Exmor® CMOS sensor greatly improves the quality of day & night time images
- WDR, Super Night Vision, Smart AE and many other functions for optimised images
- Ambarella A7 CPU minimizes power consumption while providing optimal performance.
- Dual Save records footages to both the microSD memory card and the built-in internal memory
- Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording.
- In the event of a power loss during an accident, the recorder uses the Super Capacitor to continue
- Anyone can activate and control the Thinkware Dash Cam X500 easily

Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1920x1080P	2.7" 320x240	Safety	105x51x29mm	16GB	124min	with GPS & Safety	X50016
1920x1080P	2.7" 320x240	Safety	105x51x29mm	32GB	248min	with GPS & Safety	X50032
1920x1080P	2.7" 320x240	Safety	105x51x29mm	64GB	496min	with GPS & Safety	X50064

**THINKWARE**  
**X500**

[www.thinkware.com](http://www.thinkware.com)







## THINKWARE 720P HD DASH CAM H50

### 720p HD COMPACT DASH CAM - OPTIONAL GPS

The Thinkware Dash Cam H50 is a compact dash camera that is capable of capturing bright and clear videos at the crucial moment of any incidents. The cam is powered by the Cortex A5 CPU and a 2M pixel high resolution CMOS image sensor. They enables users to capture 720p video quality video @30fps.



**THINKWARE**  
**H50**  
[www.thinkware.com](http://www.thinkware.com)

- Proprietary Format Free Technology reduces the need for manual formatting of your microSD memory cards.
- With a 720p HD camera, the THINKWARE Dash Cam H50 is able to record bright and clear videos
- Recording at 30 frames per second, you can rely on the H50 to capture every moment of your commute in HD.
- 2MP CMOS image sensor significantly improves video quality during day or night crystal clear
- 120° wide-angle lens, the Thinkware Dash Cam H50 ensures a high visibility of the events
- Cortex-A5 CPU delivering high-end features and multiprocessing for energy-efficient performance.
- Optional external GPS (sold separately) to precisely pinpoint the vehicle's driving speed, location and routes on the map. You can also use it to track your holiday travel routes with family & friends.
- Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording.
- Thinkware PC Viewer, access recorded videos with time, speed, and location data on your PC/Mac
- Anyone can activate and control the Thinkware Dash Cam H50 easily with a few simple buttons



Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1280x720P	No	Optional GPSANT	76x31x38mm	8GB	73min	optional GPS	H50

### OPTIONAL EXTERNAL GPS RECEIVER

#### TO SUIT THINKWARE H50 & X15016 DASH CAMS

The GPS signal receiver can be used to keep track of your vehicle's physical location and speed as you drive. During video playback, a simultaneous Google map view will show your vehicle's movement and speed. Suits the H50 or X15016 dash cameras.



Code  
GPSANT



**THINKWARE**

### OPTIONAL UNIVERSAL HARD WIRING CABLE

The 5m cable loom allows for custom configuration of your dash cam's power supply so that the dash cam can be set to stay recording even when the vehicle's engine is off in the parking mode. The power module will also monitor battery voltage and turn off the dash cam when the voltage gets too low.



Length  
5M

Code  
HWC

**THINKWARE**

## □ Thinkware Technology

### Road safety warning system

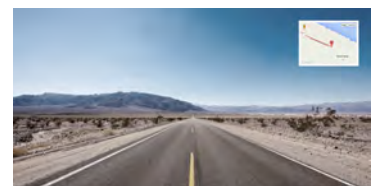
Equipped with the Road Safety Warning System that provides alerts for Lane Departure and Front Collision, the F750 detects road markings and gives voice warnings to the drivers if the vehicle begins to stray from its lane or when it is at risk of an imminent collision. This is a convenient feature for drivers who plan on driving long distances where fatigue may set in and save them from getting into an accident.

### Safety camera alerts

The Safety Camera Alert is an exclusive safety feature from Thinkware and it provides continuous alert for photo enforcement locations on your driving routes while recording HD videos at the same time. With the built-in GPS and safety camera location database, The Dash Cam actively monitors the vehicle location to inform you of approaching traffic/speed enforcement cameras such as red light cameras and speed cameras along your way. Voice guidance on the dash cam screen will alert drivers of any approaching traffic enforcement cameras along the route. Thinkware Dash Cam employs a two-step warning system where the first warning will provide distance remaining from your current location to the camera location and the second warning will alert you when you reached the exact traffic camera location.

### Vivid driving information based on the built-in GPS

Using the GPS data in X500, it can precisely pinpoint the vehicle's driving speed, location and routes on the map. The GPS helps you to accurately assess the status of the accident by providing you with the vehicle speed, the direction of collision and the severity of impact. With just a few clicks on the Thinkware Dash Cam viewer on PC or Mac, you can playback front and rear (required optional rear camera) videos, and download recorded videos and view the information on your driving history and speed.







## Surveillance Accessories

### Lens CS & MTV

#### "CS" LENS FIXED FOV

##### IRIS & FOCUS ADJUSTMENT

Suits CCTV 1/3" CCD cameras  
Manual aperture ring (iris)  
Manual focus adjustment.  
(x) distance in ft from, view 6ft



F-Rating	Lens	View Type	FOV	Code
1.2	4mm	V-Wide (7)	60°	LNZ100
1.2	8mm	Normal (14)	33°	LNZ102
1.2	12mm	Narrow (20)	22°	LNZ103

LNZ103

#### "CS" LENS MANUAL ZOOM & IRIS

##### "CS" MOUNT MANUAL-IRIS & ZOOM

Suits professional CCTV  
"CS" Mount box Cameras.  
Manual adjustment rings.  
With locking thumb screws  
Iris Aperture: F1.4 to F64  
Zoom & Focus Manual.

FOV	90°-45°
Zoom	3.5-8mm
Focal	F1.4
Code	LNZ307



#### "C" LENS MANUAL ZOOM AUTO IRIS - MEGAPIXEL

##### VIP SUITS CAM386 12MP

Compatible with Full body  
cameras that have "C" mounting  
and have high megapixels.

Zoom	4.1 - 9mm
FOV	100° - 45°
Aperture	F1.6
Size	67x46mmØ
Mount	C
Resolution	6 Megapixel
Iris	Auto
Code	LNZ361



#### "CS" LENS MANUAL ZOOM & AUTO IRIS

##### "CS" MOUNT AUTO-IRIS 3.5mm TO 8mm ZOOM

Suits professional CCTV "CS"  
Mount Cameras. Mechanical  
servo (motor). Auto-Iris Aperture.  
Unit With 4 pin connector. Auto  
adjusts f1.4 / f64. With manual  
adjust Zoom FOV. Made in Japan.

FOV	51°-6°	90°-45°	101°-28°
Zoom	6-60mm	3.5-8mm	2.8-12mm
Focal	F1.4	F1.4	F1.6
Code	LNZ203	LNZ200	LNZ202



#### "CS" LENS ZOOM HIGH DEFINITION

- 1080 TrueHD precision optics
- Manual Focal adjust 6mm - 60mm
- Viewing angle of 51° - 6°
- Manual iris (artificial light use)
- C-Mount or CS-Mount
- Size is 65.5mm long (42mmØ)

FOV	51°-6°
Zoom	6-60mm
Iris	Manual
Code	LNZ413



#### CAMERA CLEANING KIT

##### WITH RETRACTABLE CLEANING PEN BRUSH & DUST BLOWER

This Quality cleaning kit includes a  
retractable lens dust brush in a pen  
case and a camera dust blower. Suits  
cameras and other optical equipment.  
Kit comes with bonus cleaning cloth.

Code	CLN101
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##### PEN ONLY

Code	CLN100
------	--------

#### "MTV" LENS

##### COMPATIBLE WITH OUR CAMERAS LABELLED AS "MTV LENS"

Many modern CCTV cameras use a miniature lens system "MTV"  
coupled directly to the CCD board via an M12 (1/2") screw fixture  
for interchanging lenses with different specifications for FOV, etc.

F-Rating	Lens	FOV	Code
1.2	2.8mm	136°	LNZ310
1.2	3.6mm	90°	LNZ308
1.2	6mm	45°	LNZ303
1.2	8mm	33°	LNZ304
1.2	12mm	22°	LNZ305
1.6	16mm	15°	LNZ306



#### LENS CLEANING CLOTH

##### NO SCRATCH WIPER

Advanced cleaning  
cloth that is lint  
free and leaves no  
residue. Ideal for  
Cleaning opticals  
like a camera lens.

Size	Code
150x150mm	CLN1515



##### AIR-BRUSH CAN

Inert pressurised air.  
Blows dust away!

Size	Code
400ml / 580g	EAD400D
250g	RF67







## Dummy Cameras

### REPLICA CCTV CAMERA - OUTDOOR

#### KEEP THIEVES AWAY

Complete kit for all that's required to convince potential perpetrators that they are under surveillance. Modern barrel camera style with Day/Night IR-LED array. 160x80mmØ Violet metal look on an adjustable mounting arm. Drop cable and mounting screws. Battery operated blinking LED for added working authenticity. Two warning stickers 130x100mm.

Code  
CAM904

FAKE



### REPLICA CCTV CAMERA - INDOOR

#### PROFESSIONAL APPEARANCES

Complete kit for all that's required to convince potential perpetrators that they are under surveillance. Classic box camera style with focus and zoom controls 160x60x50mm. Black & Violet Plus adjustable mounting arm. Drop cable and mounting screws. Battery operated blinking LED for added authenticity. Two warning stickers 130x100mm. Quick & easy install solution.

Code  
CAM902

FAKE



### REPLICA CCTV CAMERA - DOME

#### 120mmØ PROFESSIONAL APPEARANCES

Complete kit for all that's required to convince potential perpetrators that they are under surveillance. Typical dome style with visible camera lens. 70x120mmØ Black & Clear. Battery operated blinking LED for added working authenticity. Quick & easy install solution.

Code  
CAM903

FAKE



### REPLICA CCTV DUMMY CAMERA - DOME

This realistic looking replica CCTV camera acts as a deterrent to would-be criminals. It has a flashing red LED to simulate the operation of a normal CCTV camera. Includes screws and plugs for mounting. Required 2x AAA batteries (Not included).

Code  
CAM908

FAKE



## ALARM WARNING SIGNS

### A5 STICKERS

Rear adhesive Stickers.

Size	100x130mm
QTY	1 4
Code	ALM223 ALM226

### A3 SIGN

Size	420x300mm
QTY	1
Code	ALM222

### A4 STICKERS

Size	210x300mm
QTY	2+2 2+2
Code	ALM221 ALM224

### A3 CORRUGATED PLASTIC

Weatherproof/UV resistant plastic warning sign.

Size	420x298mm
QTY	1
Code	ALM227



4 Pieces ALM224



ALM223



4 pieces ALM226



A3 size. 279x420x4mm



ALM222

ALM221



ALM227

ALM221 & ALM224  
2x Rear adhesive for wall mount.  
2x Front adhesive for window mount.





## LED Lighting

### LED FLOOD LIGHT LAMPS IP65 240VAC

#### HIGHLY ENERGY EFFICIENT 10W TO 50W - 240VAC

IP65 highly energy efficient LED flood light. Ultra long life EPISTAR chipset. A great replacement for halogen lamps. Aluminium alloy material with mounting assembly. Special design aluminium reflector improves light uniformity and luminous flux. Safe to use for indoor or outdoor applications, can be positioned at any angle. Suitable for a wide range of applications. 150° beam angle. 240Vac (85 - 260Vac) input voltage. 80cm lead to bare wire ends.

- IP65 highly energy efficient LED flood light.
- Ultra long life EPISTAR chipset.
- A great replacement for halogen lamps.
- Alluminium alloy material with mounting assembly.
- Special design alluminium reflector improves light uniformity and luminous flux.
- Safe to use for indoor or outdoor applications
- Can be positioned at any angle.
- Suitable for a wide range of applications.
- Wide coverage 150° beam angle.
- 240Vac (85 - 260Vac) input voltage.



**IP65**

Energy saver

Motion Sensor Lighting  
See Power & Lighting  
Section 08



Replaces	Watt	Colour	Colour Temp	Lumens	Size	Case	Weight	Code
40W Halogen	10W	Warm White	2900 - 3200K	500	86x114x90mm	Grey	500g	LED2401-1030GY
40W Halogen	10W	Warm White	2900 - 3200K	500	86x114x90mm	Black	500g	LED2401-1030BK
40W Halogen	10W	Cool White	6000 - 7000K	600	86x114x90mm	Grey	500g	LED2401-1070GY
40W Halogen	10W	Cool White	6000 - 7000K	600	86x114x90mm	Black	500g	LED2401-1070BK
100W Halogen	20W	Warm White	2900 - 3200K	1300	140x180x100mm	Grey	1000g	LED2401-2030GY
100W Halogen	20W	Warm White	2900 - 3200K	1300	140x180x100mm	Black	1000g	LED2401-2030BK
100W Halogen	20W	Cool White	6000 - 7000K	1600	140x180x100mm	Grey	1000g	LED2401-2070GY
100W Halogen	20W	Cool White	6000 - 7000K	1600	140x180x100mm	Black	1000g	LED2401-2070BK
150W Halogen	30W	Warm White	2900 - 3200K	2100	185x225x125mm	Grey	2000g	LED2401-3030GY
150W Halogen	30W	Warm White	2900 - 3200K	2100	185x225x125mm	Black	2000g	LED2401-3030BK
150W Halogen	30W	Cool White	6000 - 7000K	2400	185x225x125mm	Grey	2000g	LED2401-3070GY
150W Halogen	30W	Cool White	6000 - 7000K	2400	185x225x125mm	Black	2000g	LED2401-3070BK
250W Halogen	50W	Warm White	2900 - 3200K	3700	235x285x145mm	Grey	3000g	LED2401-5030GY
250W Halogen	50W	Warm White	2900 - 3200K	3700	235x285x145mm	Black	3000g	LED2401-5030BK
250W Halogen	50W	Cool White	6000 - 7000K	4000	235x285x145mm	Grey	3000g	LED2401-5070GY
250W Halogen	50W	Cool White	6000 - 7000K	4000	235x285x145mm	Black	3000g	LED2401-5070BK

### LED FLOOD LIGHT LAMPS IP65 12VDC

EPISTAR 12Vdc LED high brightness floodlight. Compact, IP65. Durable indoor/outdoor lighting with excellent energy efficiency. 4500-5000K Natural White.

Watt	Current	Lumens	Size	Weight	Code
10W	0.8A	600	86x114x90mm	500g	LED1201-1045
20W	1.8A	1600	140x180x100mm	1000g	LED1201-2045
30W	2.8A	2400	185x225x125mm	2000g	LED1201-3045
50W	4.8A	4000	235x285x145mm	3000g	LED1201-5045



### SLIM OUTDOOR LED FLOODLIGHT WITH PIR MOTION SENSOR 240VAC IP65

#### IP65 FLOOD LIGHT WITH MOTION DETECT FUNCTION

- IP65 weatherproof protection.
- Ultra long life Epistar SMD5730 chipset.
- PIR motion detection to switch on the light automatically.
- Better energy efficiency compared to halogen lamps.
- Diecast aluminium case with adjustable mounting bracket.
- Safe to use for indoor or outdoor applications.
- Wide coverage 120° beam angle.
- 240Vac input voltage.



Power	Case	Colour	Colour Temp	Lumens	Beam Angle	Size	Code
10W	Black	Cool White	5000K	1000lm	120°	134x94x27mm	LED2460-1050BK
20W	Black	Cool White	5000K	2000lm	120°	190x135x37mm	LED2460-2050BK
30W	Black	Cool White	5000K	3000lm	120°	238x168x40mm	LED2460-3050BK
50W	Black	Cool White	5000K	5000lm	120°	298x210x45mm	LED2460-5050BK
100W	Black	Cool White	5000K	10000lm	120°	355x250x48mm	LED2460-10050BK

More LED Lighting  
See Power & Lighting  
Section 08







## □ Lighting IR

### IR SPOTLIGHT 11W VIP

High-performance IR illuminator for all lighting conditions. 6pcs high power IR LED good IR distance. It is IP66 rated with tempered glass panel and aluminium die-casting housing, suitable for indoor or outdoor use.

- Automatic Night On switched
- IP66 Metal with glass facia
- 12Vdc 11W 1.2Kg -30°C~50°C
- 181x72x131mm plus bracket

Beam Angle	Distance	Code
30°	90m	IR910-11-30
60°	50m	IR910-11-60
120°	20m	IR910-11-120



### IR SPOTLIGHT 28W VIP

High-performance IR illuminator for all lighting conditions. 12pcs high power IR LED with excellent IR distance. It is IP66 rated with tempered glass panel and aluminium die-casting housing, suitable for indoor or outdoor use.

- Automatic Night On switched
- IP66 Metal with glass facia
- 12Vdc 28W 1.7Kg -30°C~50°C
- 221x90x232mm plus bracket

Beam Angle	Distance	Code
30°	170m	IR910-28-30
60°	100m	IR910-28-60
120°	50m	IR910-28-120



### IR SPOT-LIGHT FOR CAMERAS

#### 48 LED ILLUMINATOR 20M IP66

Assists cameras with extra illumination. Adjustable bracket. Invisible Infra-Red 48 High power LEDs. Water proof housing IP66 aluminium. Auto On Light sensor. Glass faced lens. 20 metres coverage, 10M for face recognition. Requires 12Vdc 1A. Metal 75x68mmØ.

Code  
IR9140D



### IR SPOT-LIGHT FOR CAMERAS

#### FLOOD-LIGHT STYLE 16W

Heavy-duty aluminium enclosure IP66 weather proof sealed. ~60° Super Bright IR LEDs 8-14µ



LED	x114	x198
Power	12V 16W	12V 28W
Size	150x120x88mm	200x143x88mm
Distance	80M	130M
Code	IR9107	IR9108



## □ Microphones

### ACTIVE MICROPHONE FOR DVR

#### ACTIVE AUDIO PICKUP

High sensitivity, Low Noise microphone  
Built-in high definition, Noise reduction circuit  
Monitoring range : 50- 150 Square Metres  
Impedance : 600 ohm  
Frequency : 200 – 10Khz  
Dimension : 7 x 39mm  
Power supply : 6 – 14 VDC 300mA

Code  
CCTVM1



### ACTIVE MICROPHONE FOR DVR

#### ACTIVE AUDIO PICKUP

High sensitivity, Low Noise microphone  
Built-in high definition, Noise reduction circuit  
Monitoring range : 20- 150 sqm  
Impedance : 600 ohm  
Frequency : 100 – 16Khz  
Dimension : 100 x 50mm  
Power supply : 9 – 12 VDC 300mA

Code  
CCTVM2







## □ Housing Outdoor

### WEATHER PROOF OUTDOOR HOUSING IP65

#### LONG HEAVY-DUTY LOCKABLE

Aluminium alloy housing with foam seals and large glass window 75x65mm. Requires padlock and mount arm. Outside: 370x125x110mm. Inside: ~295x95x100mm

Code  
ODH330



### WEATHER PROOF OUTDOOR HOUSING IP65

#### WITH 24V GLASS DEMISTER

Outdoor Weather resistant Glass face plate with Weather proof seal. Extruded Alloy tube. Brushed aluminium look Black plastic detailing Requires mounting arm. Arm Not Included! 410x118x107mm Ext.

Code  
ODH331



ODH331  
STYLE MAY VARY DEPENDING ON STOCK

### WEATHER PROOF OUTDOOR HOUSING IP65

#### SLIDE-ON LID ACCESS

Off-white cream painted Cast alloy metal made Weather resistant Glass face plate with end access ports all weather proof sealed. Requires mounting arm. Arm Not Included! 410x118x107mm Ext.

Code  
ODH332



### CAMERA MOUNTING ARM 164MM

#### HEAVY-DUTY METAL ARM

Weather-proof outdoor Cast alloy all metal enamel powder coated. Low profile tilt head Rotates 180° set angle. Professional solution. 164mm of length.

Colour	Code
Black	MB103BK
Silver	MB103SL



### WEATHER PROOF OUTDOOR HOUSING IP65

#### HEAVY-DUTY SHORT IP66

Aluminium alloy housing with rubber seals and large glass window 85x62mm. Requires mount arm. Outside: 210x135x100mm. Inside: ~170x100x80mm

Code  
ODH333



### OUTDOOR HOUSING ARM 285MM

#### HEAVY-DUTY STRONG ARM

Weather-proof outdoor cast alloy all metal enamel powder coated. Low profile tilt head Rotates 360° set angle. Professional solution Suits ODH series. **300mm** Extension.

Colour	Code
Cream	MB337



### WEATHER PROOF OUTDOOR HOUSING IP65

#### LONG HEAVY-DUTY LOCKABLE

Aluminium alloy housing with foam seals and large glass window 75x65mm. Requires padlock and mount arm. Outside: 370x125x110mm. Inside: ~295x95x100mm

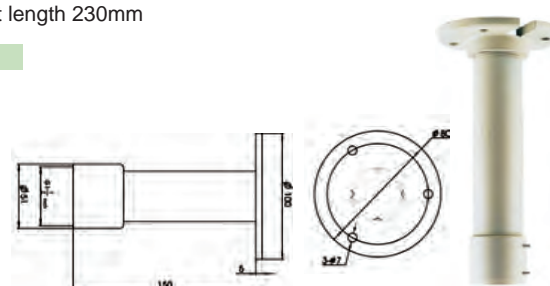
Code  
ODH334



### DOMe CEILING PENDENT 6"

Hangs camera from ceiling Metal mast length 230mm

Code  
MB1005







## □ Brackets VIP and Others

### COMPACT CAMERA ARM

#### BALL-IN-SOCKET 90°

Pan/tilt adjustable.  
Thumb screw locking gimble adjustment.  
Standard camera bolt.  
100mm out horizontal  
Removable 60mm  
extension arm 45mm  
mounting base. Quality  
construction metal  
components.

Colour	Code
Black	MB1000
White	MB1001



### CAMERA MOUNTING BRACKET

Fully adjustable stand  
Security Camera Bracket.  
Quality Metal construction.  
Double Ball-In-Socket  
allows for Pan / Tilt  
adjustments Standard  
camera fastening bolt.

Colour	Code
SILVER	MB1003
BLACK	MB1002

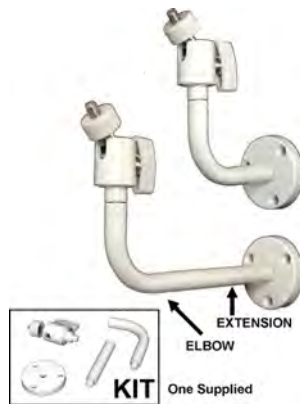


### CAMERA MOUNTING ARM

#### WITH EXTENSION & ELBOW

White ceiling/wall mount  
constructed from Aluminium  
Gimbal connection allowing  
Swivel 360° and tilt 90° Similar  
to MB1000 with an extra elbow  
extension. It is fixed by the  
base with three screws and is  
designed to fit standard size  
security cameras. Dimensions  
60x120x130mm Base 45mmØ  
Load 3kg max.

Code
MB9500



### INDOOR/OUTDOOR HOUSING BRACKET

#### METAL SUPPORT MEDIUM

Suit wall or ceiling mount  
of most CCTV cameras.  
Heavy duty all metal  
weather proof materials  
Silver coated aluminium  
Gimbal 360° and 90° tilt  
120mm wall/ceiling base  
90° Bend arm 250mm

Code
MB206



### CAMERA MOUNTING ARM

#### BEIGE PLASTIC 135MM

Excellent general  
purpose camera arm  
to suit a majority of  
CCTV cameras. Cable  
through arm heavy  
duty plastic weather  
resistant. Practical  
design appropriate size  
for directly any standard  
sized CCTV camera.  
180° Tilt 360° Rotate.

Arm	Code
135mm	MB100

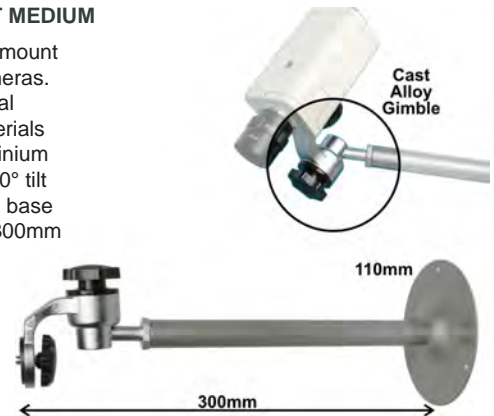


### INDOOR/OUTDOOR HOUSING BRACKET

#### METAL SUPPORT MEDIUM

Suit wall or ceiling mount  
of most CCTV cameras.  
Heavy duty all metal  
weather proof materials  
Silver coated aluminium  
Gimbal 360° and 90° tilt  
110mm wall/ceiling base  
Straight arm max 300mm

Code
MB603



### DOME BRACKET 120

#### PLASTIC WHITE

Beige ABS Plastic. Conceals wiring.

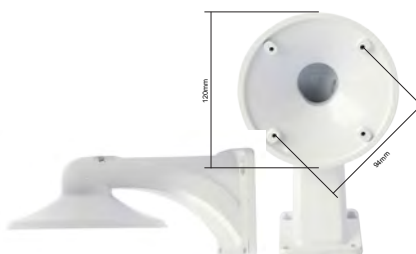
Size	200x130x150mm
Suits	120mmØ
Code	MB1008



### DOME BRACKET BELL 120

All metal construction wall stand-off.  
White painted enamel.

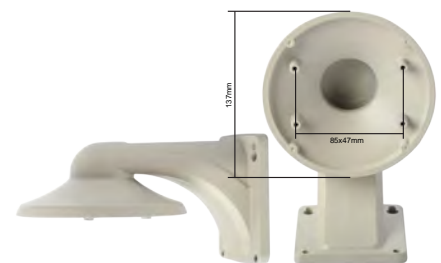
Size	120x190x85mm
Suits	120mmØ
Code	MB1012



### DOME BRACKET BELL 140

All metal construction wall stand-off.  
Beige painted enamel.

Size	137x200x105mm
Suits	137mmØ
Code	MB1011







## RIGHT ANGLE WALL MOUNT CAMERA BRACKET

Compact Aluminium right angle wall mount bracket. Design for indoor use only. This bracket is used to install the camera directly to the wall.



OEM VSBKTB204W  
Size 170x260x170mm  
Diam. 170mmØ  
Code MB1046



## JUNCTION BOX FOR SURVEILLANCE CAMERAS

Aluminium adaptor/junction box used as a spacer or as connector for corner & pole mounts.



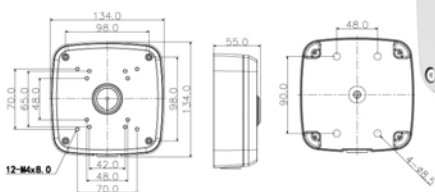
OEM VSBKTA139  
Size 28x108mmØ  
Code MB1047



## JUNCTION BOX FOR SURVEILLANCE CAMERAS

Aluminium adaptor/junction box used as a spacer or as connector for corner & pole mounts. IP66

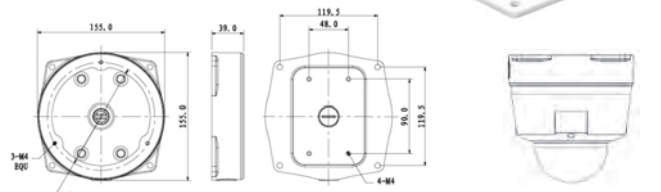
OEM VSBKTA121  
Size 134x134x55mm  
Code MB1036



## JUNCTION BOX FOR SURVEILLANCE CAMERAS

Aluminium adaptor/junction box used as a spacer or as connector for corner & pole mounts.

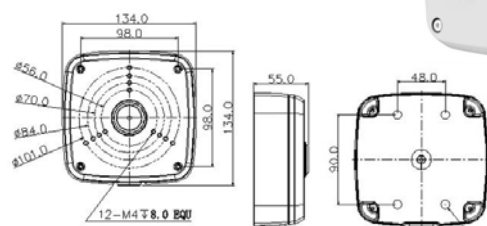
OEM VSBKTA132  
Size 155x155x39mm  
Code MB1039



## JUNCTION BOX FOR SURVEILLANCE CAMERAS

Aluminium adaptor/junction box used as a spacer or as connector for corner & pole mounts. IP66

OEM VSBKTA122  
Size 134x134x55mm  
Code MB1020



## JUNCTION BOX FOR SURVEILLANCE CAMERAS

Aluminium adaptor/junction box used as a spacer or as connector for corner & pole mounts.

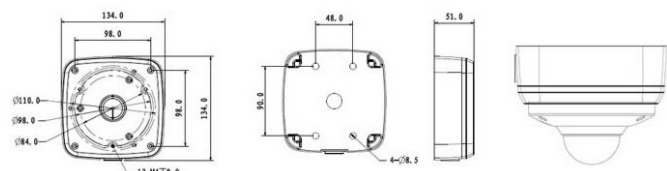
OEM VSBKTA130  
Size Ø138 x 42mm  
Code MB1022



## JUNCTION BOX FOR SURVEILLANCE CAMERAS

Aluminium adaptor/junction box used as a spacer or as connector for corner & pole mounts. IP66

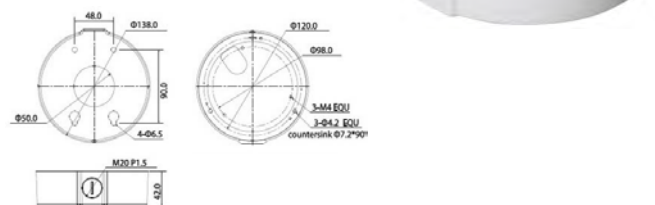
OEM VSBKTA123  
Size 134 x 134 x 51mm  
Code MB1021



## JUNCTION BOX FOR SURVEILLANCE CAMERAS

Aluminium adaptor/junction box used as a spacer or as connector for corner & pole mounts. Conduit entry point from side or base.

OEM VSBKTA131  
Size Ø138 x 42mm  
Code MB1023



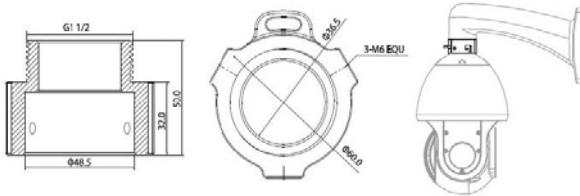




## PTZ DOME CAMERA ADAPTOR

Hanging aluminium connector for PTZ surveillance cameras and ceiling/wall mount brackets.

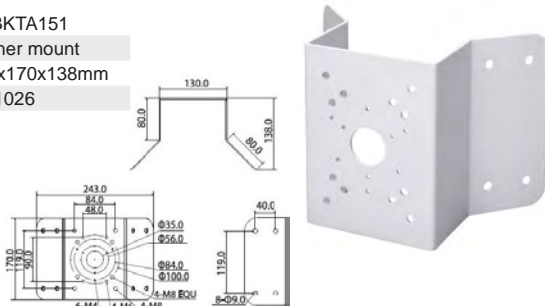
OEM VSBKTA114  
Size Ø60 x 50mm  
Code MB1032



## CORNER WALL MOUNT CAMERA BRACKET

Heavy duty coated SECC wall mount corner bracket for surveillance cameras. Some cameras may require a junction box or adaptor to install on this bracket.

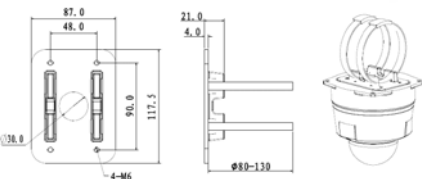
OEM VSBKTA151  
Type Corner mount  
Size 243x170x138mm  
Code MB1026



## DUAL CLAMP POLE MOUNT CAMERA BRACKET

Heavy duty coated aluminium pole mount bracket for surveillance cameras with two clamps.

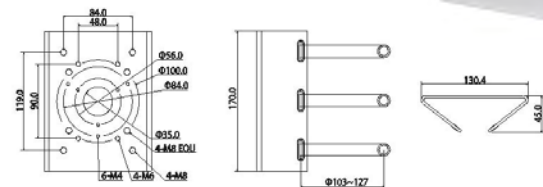
OEM VSBKTA152  
Type Pole mount  
Size 118x87x21mm  
Code MB1027



## TRIPLE CLAMP POLE MOUNT CAMERA BRACKET

Heavy duty coated SECC pole mount bracket for large surveillance cameras with three clamps.

OEM VSBKTA150  
Type Pole mount  
Size 130 x 170 x 45mm  
Code MB1025

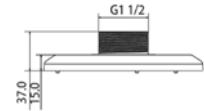
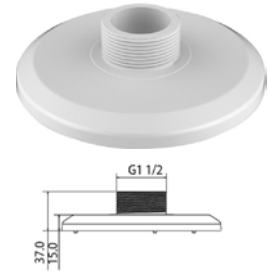


## POLE MOUNT 150mm

### SUIT CAM396 & CAM390

Adapts a Dome camera into the G1.5 threaded pole system.  
Suits: CAM396, CAM390.

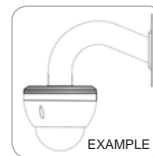
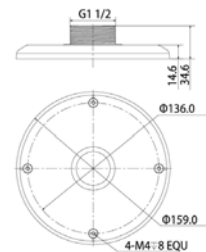
OEM VSBKTA100  
Diam. 150mm  
Pole G1.5  
Code MB1034



## POLE MOUNT 160mm

Powder coated aluminium adaptor to enable camera/bracket connection for ceiling and wall mount brackets.  
Suits: CAM394, CAM614.

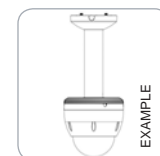
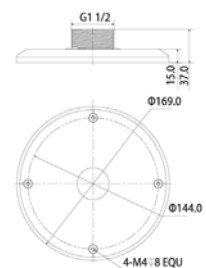
OEM VSBKTA101  
Size 35x159mmØ  
Code MB1040



## POLE MOUNT 170mm

Powder coated aluminium adaptor to enable camera/bracket connection for ceiling and wall mount brackets.

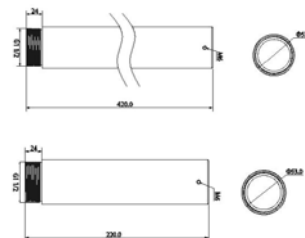
OEM VSBKTA102  
Size 37x169mmØ  
Code MB1041



## POLE EXTENDERS

G1-1/2 (45mm) threaded Male to Female.  
Use with MB1034, MB1040, MB1041.

OEM VSBKTA113 VSBKTA112  
Size Ø53 x 420mm Ø53 x 220mm  
Code MB1030 MB1031



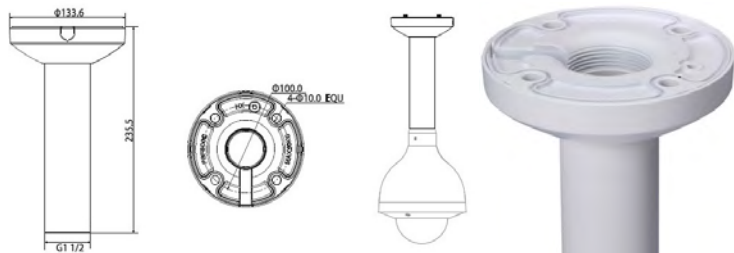




## CEILING MOUNT CAMERA BRACKET

Straight pendant mount bracket for surveillance cameras. Suitable for hanging PTZ dome cameras from the ceiling. Base and Pole has a G1-1/2 thread (45mm). 235mm drop. Screw-on extenders also available (see MB1030, MB1031). Also suitable for dome cameras by use of adaptor plates.

**OEM** VSBKTB300C  
**Size** Ø133 (base) x 235mm  
**Code** MB1028



## ACCESSORIES FOR WALL MOUNT BRACKET MB1028

Accessories for the installation of dome cameras and PTZ dome cameras with the ceiling mount MB1028.

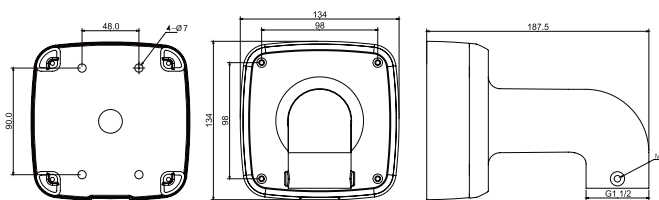


OEM	Description	Type	Size	Suits	Code
VSBKTA100	Camera adaptor for ceiling mount MB1028 or MB1033	PTZ Camera Adaptor	37x151mmØ	CAM390, CAM396	MB1034
VSBKTA101	Camera adaptor for ceiling mount MB1028 or MB1033	PTZ Camera Adaptor	35x159mmØ	CAM394, CAM614	MB1040
VSBKTA102	Camera adaptor for ceiling mount MB1028 or MB1033	PTZ Camera Adaptor	37x169mmØ	CAM385	MB1041
VSBKTA113	Optional extender for ceiling mount MB1028 (420mm)	Extender	Ø53 x 420mm	MB1028	MB1030
VSBKTA112	Optional extender for ceiling mount MB1028 (220mm)	Extender	Ø53 x 220mm	MB1028	MB1031

## RIGHT ANGLE WALL MOUNT CAMERA BRACKET

Heavy duty, powder coated aluminium right angle wall mount bracket for the VIP range surveillance dome cameras. The bracket is designed to mount on a wall, or MB1026 corner & MB1027 pole mounting brackets. Optional adaptor plates are available for VIP Dome cameras for pendent mounting. Uses the standard G1-1/5 thread (45mm). Stand-off ~165mm.

**OEM** VSBKTB302S  
**Size** 134x134x188mm  
**Code** MB1033



## REQUIRED ADAPTOR FOR WALL MOUNT BRACKET MB1033



OEM	Description	Type	Size	Suits	Code
VSBKTA100	Camera adaptor for ceiling mount MB1028 or MB1033	PTZ Camera Adaptor	37x151mmØ	CAM390, CAM396	MB1034
VSBKTA101	Camera adaptor for ceiling mount MB1028 or MB1033	PTZ Camera Adaptor	35x159mmØ	CAM394, CAM614	MB1040
VSBKTA102	Camera adaptor for ceiling mount MB1028 or MB1033	PTZ Camera Adaptor	37x169mmØ	CAM385	MB1041

## WALL MOUNT CAMERA BRACKETS - VIP

Premium grade professional brackets to specifically suit the VIP range of surveillance cameras (as stated in "Suits").



These brackets will also suit other brand cameras as mounting solutions, depending on dimensions, etc.







## Power Supplies

### DC PLUG WITH LEAD

Pre-made 1.8 metre lead with DC plug.

Plug	Type	Barrel	Code
2.1mm	Straight	9mm	DCL2109ST
2.1mm	Straight	12mm	DCL2112ST
2.1mm	R/Angle	9mm	DCL2109RA
2.1mm	R/Angle	12mm	DCL2112RA



### DC PLUG SCREW

#### 2.1mm Positive Tip

Plug	Code
2.1mm	P422



### 2.1mm DC PLUG PIGTAIL

30cm lead to bare end. 1A R&B.

Size	Plug	Code
2.1mm	Pos. Tip	ADC-P21



### 2.1mm DC PLUG SCREW

Screw connector back

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCP21

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCP21RA



### 2.1mm DC SOCKET SCREW

Screw connector back

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCJ21



### DC SOCKET WITH LEAD

#### 10cm Lead

Plug	Code
2.1mm	DCL2119ST



### 2.1mm DC SOCKET PIGTAIL

30cm lead to bare end. Red & Black Cable.

Size	Plug	Code
2.1mm	Pos. Tip	ADC-J21



### 2.1mm DC EXTENSION LEAD

#### 2.1mm MALE TO FEMALE DC EXTENSION LEAD

Length	Code
1M	DCL21121
3M	DCL21123



### 2.1mm DC SPLITTERS

#### SOCKET TO MULTIPLE PLUGS

Premade 30cm leads

Plug	Size	Length	Code
2	2.1mm	30cm	ADC-221
4	2.1mm	30cm	ADC-421
5	2.1mm	30cm	ADC-521
8	2.1mm	30cm	ADC-821



### POWER PACKS 12V

#### 12Vdc 2.1mm POSITIVE TIP

Current	Type	Code
200mA	Linear	DCA200-12PM
300mA	Linear	DCA300-12PM
400mA	Switch Mode	SMP400-12P
500mA	Linear	DCA500-12PM
1000mA	Switch-Mode	SMP12V1A-21P
1500mA	Switch Mode	SMP1500-12-21P
2500mA	Switch Mode	SMP12V-2.5A-21R
5000mA	Switch Mode	SMP12V5A-21P



See Power Section for more types & higher current.

Picture May Vary Depending On Stock

### POWER PACK 16VAC

#### WITH EARTH LEAD

Voltage	16Vac
Current	1500mA
Type	AC+Earth
Code	ACA1615QE



### POWER PACK 24VAC 1000MA

Details	Code
Plug Pack	ACA2410A



Details	Code
Inline	ACA2410



### AC-DC CONVERTER

#### 36Vac/dc - 12Vdc

Max 36V AC or DC input is converted into 12VDC. With 1 Amp max. Regulator.

Plug	Code
2.1mm	DCC100







## Power Supplies

### CCTV POWER SUPPLY WALL MOUNT 18X 12V

**18 TERMINALS 12Vdc 500mA ea.**

120W Total. 18 outputs with LED power indicators for quick supply inspection. Screw terminal connections lockable, two keys supplied. Powder coated metal housing. Input Voltage IEC 240Vac. Output Voltage 12Vdc 18x 550mA 10A max. Optional SLA Battery. 90x205x265mm

Description	Code
12V 18CH	PS12V10A18CH



#### BATTERIES TO SUIT

PS12V10A18CH Accepts maximum size:  
12V 190x80x110mm max. 6.3mm terminals

Brand	Capacity	Code
Ritar	7.2Ah	RT1272F2
Panasonic	7.2AH [36W]	UPVW1236P1
Ritar	9Ah	RT1290HF2FR
Panasonic	9Ah [45W]	UPVW1245P1



### POWER SUPPLY SPLITTER KIT FOR 12V CAMERAS

#### ONE POWER SUPPLY TO FIVE CAMERAS - REQUIRES CABLE

Power supply accessory kit, allows powering five cameras from the one centralised power supply. Kit includes screw terminal adaptors so you can use any appropriate DC wiring to the cameras.

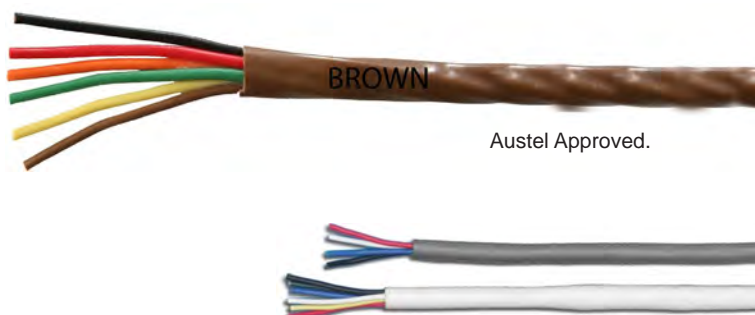
Code
DVR4PSK



### SECURITY CABLE - ACA APPROVED

Low voltage colour coded connection cable encased in a 0.5mm thick PVC jacket. Not twisted pairs. 100Vdc/32Vac  
As used in security systems and telecommunications.  
14x Strands 0.2mm=0.44mm². AS1125 AS/NZS3808

Length	Core	Colour	Code
100M	4	Brown	SEC414BR-100
305M	4	Brown	SEC414BR-305
100M	4	Grey	SEC414GY-100
305M	4	Grey	SEC414GY-305
100M	4	White	SEC414WH-100
305M	4	White	SEC414WH-305
100M	6	Brown	SEC614BR-100
305M	6	Brown	SEC614BR-305
100M	6	White	SEC614WH-100
305M	6	White	SEC614WH-305
100M	6	Grey	SEC614GY-100
305M	6	Grey	SEC614GY-305



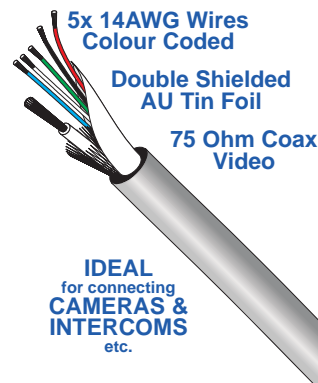
Austel Approved.

## Connection Cables

### SECURITY CAMERA CABLE

#### 5 CORE + 75Ω COAX

Coax Video Cable 5x control leads Colour coded, Combined in one shielded cable. Suit camera runs & Door Intercoms. Cream jacket.



#### 100M REEL

Code
SEC7505

#### 305M REEL

Code
SEC17505

IDEAL  
for connecting  
CAMERAS &  
INTERCOMS  
etc.

### SECURITY CAMERA CABLE RG59B/U

#### 2 CORE + 75Ω COAX RG59

Coax Video Cable 2x Power lead Colour coded, Combined in one heavy-Duty cable. Suit camera runs & Door Intercoms. Black jacket. 6.0mm



#### 100M REEL

Code
SEC101

#### 305M REEL

Code
SEC103

IDEAL  
for connecting  
CAMERAS &  
INTERCOMS  
etc.

### VIDEO COAX CABLE

#### 75Ω RG59AU 6mm MULTI-STRAND CORE

Length	Code
100M	RG59AU

#### 75Ω RG59U 6mm SINGLE-CORE PE FOAM

Length	Code
100M	RG59U

#### 75Ω RG6 6.8mm SINGLE-CORE PE DUAL-SHIELD

Length	Code
100M	RG6PE

#### 75Ω RG6 7.5mm SINGLE-CORE PE QUAD SHIELD

Length	Code
100M	RG6Q100



SEE  
CABLE &  
CONNECTORS  
SECTION





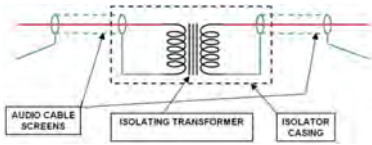
## Connection Cables

### VIDEO GROUND-LOOP ISOLATOR

#### BNC COAX CCTV FIX

Passive device for removing common interference & noise caused by cable points with different ground potentials  
Built-in Transient Voltage Suppressor surge protection  
Eliminate tearing & cross-talk

Code  
VB001



#### WITH DVR FIX

Same as above with extra filtering for digital noise  
For DVR line noise, etc.

Code  
VB002

### CAMERA EXTENSION LEADS

#### VIDEO & POWER RCA

VIDEO RCA Plug-Plug  
POWER 2.1mm Plug-Socket

Length	Code
10M	VC310
17M	VC324



#### AUDIO-VIDEO-POWER BNC

VIDEO BNC Plug-Plug  
AUDIO RCA Plug-Plug  
POWER 2.1mm Plug-Socket

Length	Code
10M	VC6710
15M	VC6712
20M	VC6713



**EASY WIRE**



### PLUGS

#### DC PLUG

Description	Code
2.1mm Plug Long	P421L
2.1mm Lead	DCL2112RA

#### BNC PLUG

Solder types:

Description	Code
Screw	P651
R/Angle	P653
Male» RCA Female	AD230



SEE CABLE & CONNECTORS SECTION

### VIDEO BNC LEADS & RCA LEADS

Description	Code
BNC Plug To BNC Plug 1.5 Metre 75 Ohm Coax	VC201
BNC Plug To BNC Plug 3 Metre 75 Ohm Coax	VC203
BNC Plug To BNC Plug 10 Metre 75 Ohm Coax	VC210
RCA Plug To BNC Plug 1.5M 75 Ohm Coax	VC6

## Video Extenders

### SINGLE CHANNEL PASSIVE VIDEO BALUN PAIR

#### SOLD IN PAIRS

Full-motion CCTV video at distances up to 330m when used with any passive transceiver.  
Up to 1500m with any active UTP video receiver. Tool-less, installs in seconds, no need to strip the wires. NTSC, PAL, and SECAM video formats. No power required. 60dB crosstalk and noise immunity. Compact size and easy installation.

Code  
VB115



### CCTV OVER CAT5 - HD COMPATIBLE

#### CAT6 HD-TV 1080p UP TO 250M

Long distance image transmission from camera to security system over UTP CAT5/6. Compatible with all HD-TVI, FD-CVI and A-HD analogue cameras. Exclusive.

- High definition image up to 1080p
- SD up to 450M, HD up to 250M
- Wave filter and anti-static design
- Built-in over voltage surge protection
- Built-in lightning protection grade III
- 60dB crosstalk and noise immunity
- Exceptional interference rejection
- Screw terminals UTP to BNC video
- Not compatible with other extenders

Code  
VB116



Sold in Pairs

### PASSIVE RECEIVER PAIR CAT-5

#### DIRECT PLUG CAT-5 GOOD FOR 200 METRES

Converts standard composite video into a balanced signal for transmission along common twisted pair cables (CAT5/6 RJ45).  
Colour video 200M+ and B&W Video 300M+.  
Converts Video (BNC male) to Balanced signal (RJ45) for twisted pair runs. 2 Required for Transmit & Receive (1 at each end).

#### SOLD EACH TWO ARE REQUIRED

One for Send and One for receive.

Code  
VB860



UpTo 200M CAT5 Cable NOT Included

### MULTI-CHANNEL VIDEO BALUN

#### 4 WAY BNC [CVBS] ON ONE CAT5

4CH Send/Receive in one box (2x req.)  
Uses bare wire terminated CAT5 cable.  
Requires a second box at other end or run individually to each camera with our compatible VB101 baluns. No cable supplied. (200M max.)

Code  
VB9252



Hard-Wired CAT5 or RJ45 CAT5



4CH BNC Video





# Security & Surveillance

## CCTV PASSIVE VIDEO + POWER OVER CAT-5/6 BALUN

Extend Video signals & Power over a single CAT5/6 cable.  
Sold in pairs (Transmitter & Receiver)  
RJ45 socket for Cat-5/6 cable  
BNC and 2.1mm DC connections.  
Size 43x20x21mm.  
Up to 100M distance.  
CAT5/6 Cable required.

Range	Code
100M	VB106



## CCTV PASSIVE VIDEO & AUDIO + POWER OVER CAT-5/6 BALUN

Extend Video, Audio and Power over a single CAT5/6 cable. Sold in pairs (Transmitter & Receiver)  
RJ45 socket for Cat-5/6 Cable  
BNC Video, RCA Audio and 2.1mm DC.  
Size 43x20x21mm.  
Up to 100M distance.  
CAT5/6 Cable required.

Range	Code
100M	VB108

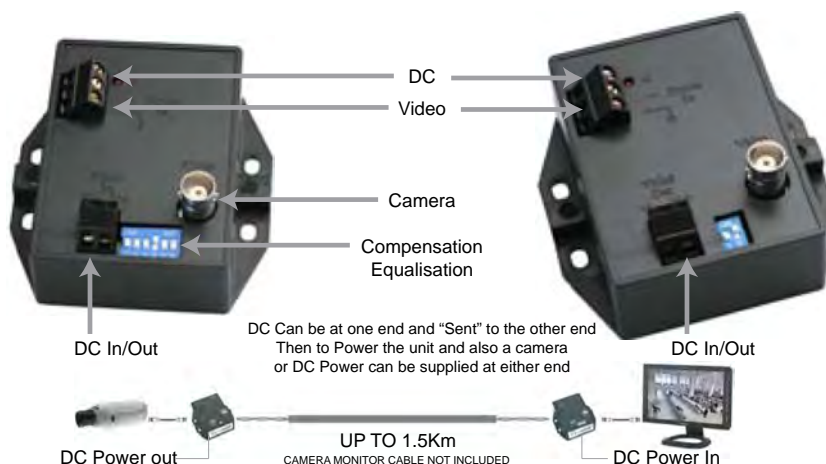


## ACTIVE TRANSCEIVER PAIR 12Vdc

### GOOD FOR UP TO 1500M

Single twisted pair for convenient wiring, low-cost cable, simple install, high reliability, anti-interference, low noise. Distance EQ switches for tuning. BNC 1Vpp video input and outputs. Bandwidth is 6MHz. Requires twisted pair cable and 12Vdc power-pack.

Range	Code
1500M	VB201



### REQUIRES POWER

Power required at either end, or Power can be sent via a 2nd cable pair. 12Vdc.

Code
DCA500-12PM

## AUDIO & VIDEO & RS-485 OVER CAT5/6 BALUN 1200 METRES

### TRANSMIT AV & CONTROL FOR LONG DISTANCES WITHOUT SIGNAL DEGRADATION USING COMMON CAT5/6 CABLE

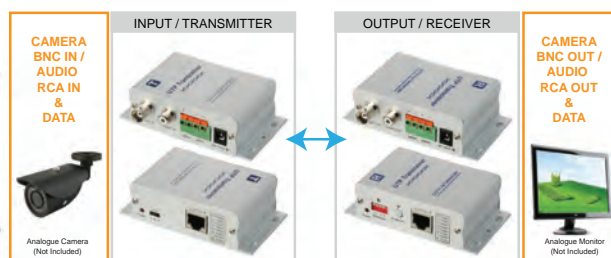
Transmit colour composite video signals over a kilometre in distance without image loss using common CAT5/6 or other UTP type cable. This kind of video transferring method has many advantages; such as convenient economical wiring using low-cost cable with a simple install. Boasts, high reliability, excellent anti-interference for maintaining a low noise image. Distance equaliser switches for tuning image optimisation. Built in Linearity with Sharpness & Brightness Control adjustments. Requires Unshielded-Twisted-Pair (UTP) Type Cable like CAT5/6, etc. BNC Video I/O 1Vpp 75Ω DC-6MHz Bandwidth. 2x 12V DC power supplies are required for Transmitter & Receiver (not included).

Baluns are sold individually. 2 pieces required  
- One for transmitter and one for receiver.  
Each unit requires a 12Vdc power solution.

Range	Type	Code
1200M	Transmitter	VB112TX
1200M	Receiver	VB112RX

### POWER SUPPLY

Code
DCA200-12PM



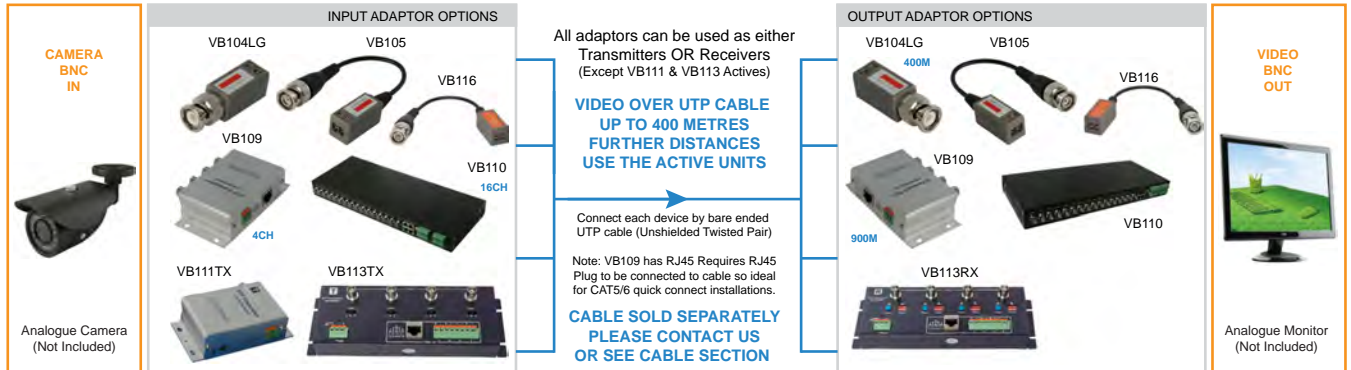




## CCTV OVER CAT-5/6 VIDEO BALUN

**GOOD FOR UP TO 400M (Colour). NO POWER REQUIRED. OR UP TO 2.2Km WITH ACTIVE TRANSCEIVERS!**

Passive balun technology to transmit colour composite video signal over twisted-pair cable up to an amazing 400 Metres with low image losses. Boost this range up to several kilometres by using the active receiver and/or sender options available in various combinations outlined below. Cost effective solution, easy & quick. Using economical cables and giving excellent performance, high noise rejection maintaining the best signal. UTP is Unshielded Twisted Pair. Category 2 or better, 16-24AWG, stranded or solid. eg. CAT5e. Note: STP, Shielded Twisted Pair is not suitable. Each video signal uses just one twisted pair, so one CAT5 cable can be expanded to include further channels, audio, RS422/485, Ethernet, etc.



### 1 CHANNEL PASSIVE TRANSCEIVER STRAIGHT

Receive / Transmit video signals over UTP cable with out using power supply. Size: 32x21x15mm. 400M Distance.

Range	Code
400M	VB104LG



### 4 CHANNEL PASSIVE TRANSCEIVER

Receive / Transmit video signals over UTP cable with out using power supply. Size: 103x70x30mm.

Range	Code
400M	VB109



### 1 CHANNEL PASSIVE TRANSCEIVER PIGTAIL

Receive / Transmit video signals over UTP cable with out using power supply. Size: 32x21x15mm. 400M Distance.

Range	Code
400M	VB105



### 16 CHANNEL PASSIVE TRANSCEIVER

Receive / Transmit 16 video signals over UTP cable. 400M Distance. Connects via either CAT5e RJ45 cables (x4) to VB109 or another VB110 or individual screw terminal pairs for each to twisted pair cables for VB100, VB103, VB104. Size 1U 44x180x430mm (Brackets included) 16 Channels BNC Female in/out.

Description	Code
16CH RX/TX	VB110

### 1 CHANNEL PASSIVE TRANSCEIVER PIGTAIL

Receive / Transmit video signals over UTP cable. 250M Distance. Sold in pairs.

Range	Code
250M	VB116



### TRANSMIT OR RECEIVE VIDEO 400M



### 1 CHANNEL PASSIVE TRANSCEIVER PIGTAIL

Male BNC with extended 175mm pigtail. Screw terminal.

Range	Code
400M	VB100



### 4 CHANNEL ACTIVE SENDER WITH COMPENSATION

Active solution with signal boosting to compensate long runs. Select between 3 gain levels for each of the 4 video inputs. LED signal indication. RJ45 or Push-connect wiring outputs. Metal cabinet. 180x70x25mm. Requires 12Vdc 100mA input.

Description	Code
4CH Transmitter	VB113TX



### 4 CHANNEL ACTIVE RECEIVER WITH COMPENSATION

Active solution with signal processing to compensate long runs. Brightness and sharpness levels for each of the 4 video inputs. LED signal indication. RJ45 or Push-connect wiring inputs. Metal cabinet. 180x70x25mm. Requires 12Vdc 100mA input.

Description	Code
4CH Receiver	VB113RX







## PoE

### PoE HUB GIGABIT 4+4

#### TP-Link 4 PoE + 4 PORT

- 8x 10/100/1000Mbps ports.
- With four PoE ports.
- 54W Total Power.
- 171x98x27mm

Code  
TL-SG1008P



### PoE SWITCH HUB 8 PORT

#### TP-LINK 100Mbps

8 Port Fast Ethernet HUB 100Mbps. Injects PoE up to 46.2W total power. Max 15.4W each line priorities (Port 1 supplied 1st). Ports 1 to 4 are PoE, others are not.

Code  
TL-SF1008P



### PoE+ SWITCH HUB 8 GIGABIT TP-LINK

Gigabit 1000Mbps ethernet switch  
All 8 ports are PoE powered  
Total 124W, up to 30W per port  
294x180x44mm

Power Code  
124W Total TL-SG1008PE



### PoE SWITCH HUB 4+4 GIGABIT TP-LINK

#### 4 PORT + 4 PORT PoE 15.4W

Power Code  
53W Total TL-SG1008P



### PoE HUB MANAGED 20+4 GIGABIT

#### TP-Link 320W JETSTREAM 4xSF

Supports 24 ports PoE total 320W. IP-MAC-Port-VID Binding, ACL, Port Security, DoS Defend, Storm control, DHCP Snooping, L2/L3/L4 QoS and IGMP snooping, WEB/CLI managed modes, SNMP, RMON.

Code  
TL-SG3424P



www.tp-link.com.au

### 8+2 PORT 93W POE+ MANAGED ETHERNET SWITCH

#### TWO-LAYER 1GB-UP / 100M-DOWN

This Power over Ethernet switch comprises 10/100Mbps PoE switch in an 8 port configuration. This two-layer industrial POE switch provides high-speed Gb data forwarding Base-T & Base-X as widely used in networking systems for surveillance, IP telephony and more.

- 100Mbps downlink ports and Gigabit uplink ports.
- PoE+ power supply. 30Wmax per port. 93W total
- IEEE802.3af and IEEE802.3at standards compliant.
- Easy remote management system featuring port rate control VLAN settings, security, PoE output setup and more.
- Size: 150x100x42mm

Ports	8 ports	16 ports	24 ports
Power	93W	250W	370W
Code	VSPOE-SW8	VSPOE-SW16	HUB324



### PoE HUB SWITCH 4x PoE +1

#### 1 SWITCH WITH 4 PoE

Metal cased 120x90x28mm  
Optional power pack Inc.  
Unmanaged Ethernet Switch  
4 with PoE On/Off switched

Spec	Watt	Power	Code
100Mb	61.6W	Inc	FSW-0503
100Mb	61.6W	Not	FSW-0503-Z
100Mb	120W	Inc	FSW-0513
100Mb	120W	Not	FSW-0513-Z
Gigabit	61.6W	Inc	GEP-0520
Gigabit	61.6W	Not	GEP-0520-Z
Gigabit	120W	120W	GEP-0521



#### OPTIONAL 19" RACK

Space & power for 8 units.

Code  
POC-6000



### PoE HUB SWITCH 4+4

#### 100Mbps 65W PoE

Unmanaged Switch Hub. 65W Total, max 30W ea.  
4 Ports non powered, 4 Ports powered PoE  
See datasheets for more info.

Code  
FEP-0812



#### PoE ALL 8 PORTS

Total 123W on all 8 ports.

Code  
FEP-0811



### PoE HUB SWITCH 8 PORT

#### GIGABIT ALL PORTS PoE

Maximum 30W per port  
Auto detect Non-PoE  
GEP-0821/22 is 19"

Watt	Code
60W	GEP-0820
120W	GEP-0821
240W	GEP-0822



### PoE HUB SWITCH 16 PORT

#### 100Mbps 240W

Auto detection protection of non PoE connections.  
Total 240W/480W up to 30W ea.  
19" Rack mount 1U

Watt	Code
240W	FEP-1611
480W	FEP-1612







## PoE TP-LINK

### SEPARATE OR KIT

Injects/Extracts power RJ45  
Switch between 5V or 12Vdc  
Available via 2.1mm DC Socket  
Outputs Fast Ethernet 100Mbps  
Complies with IEEE 802.3af



Includes	Injector	Receiver	Pair Kit
Power	15.4W	15.4W	15.4W
Type	100Mbps	100Mbps	100Mbps
Code	TL-POE150S	TL-POE10R	TL-POE200

## PoE INJECTORS

### SINGLE PORT POWER TO RJ45

IEEE 802.3at or Legacy PoE  
Auto detect and protected.  
Quality & reliability from Level1



Power	15.4W	40W	15.4W	30W
Type	100Mb	Gigabit	Gigabit	Gigabit
Code	POI-2002	POI-4000	POI-2001	POI-3000

## PoE INJECTOR RACK

### MULTIPLE PoE LINE INJECTORS

IEEE 802.3af or Legacy PoE Supports 100Mbps throughput.  
Level1 Pro grade rack mount with protection OVP/OCP/OTP.  
Top row is input non-powered individual / separate RJ45 x12  
Bottom row is output with PoE for 12 separate Injectors.  
Not a hub.



Type	100Mbps	100Mbps
Power	375W	200W
Code	POH-1260	POH-1250



## PoE SPLITTER AT CAMERA

### LEVEL1 RECEIVERS

Power from PoE over network  
IEEE 802.3af Splitter  
Direct to device solution  
Includes DC plug kit



Type	100Mbps	Gigabit	Gigabit
Power	15.4W	15.4W	25W
Code	POS-1001	POS-1002	POS-3000

## PoE REPEATER OUTDOOR

### EXTENDS BEYOND 100 METRES

No power required for this device.  
Extends existing PoE further.  
Weather proof housing IP66.

Ports	Code
1 Out	POR-1100
2 Out	POR-1102

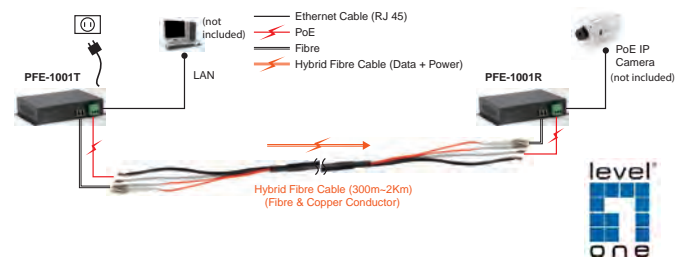


## PoE HYBRID FIBRE EXTENDER

### PoE Extender over Hybrid Fibre

Using hybrid fibre and copper cable, the LevelOne PFE range can deliver integrated power and data over a distance of 2km to a receiver which provides high-power PoE output for IP surveillance applications. A tough outdoor range (PFE-1011/1014) provides the same performance within a durable IP66-rated waterproof housing for harsh environmental conditions and temperature range of -40°C to 60°C.

- IEEE 802.3x 10Base-T, 100Base-TX & 100Base-FX standard
- One Fibre Optic LC connector and one RJ-45 connector
- 100 Mbps Data Transfer Rate (Full Duplex)
- Transmission distances up to 2km, Multimode fibre
- Supports auto-negotiation with 10M/100M, full/half duplex capability
- Support auto MDI-MDIX configuration to match the end of the link
- LED indicators for visual verification of power, fibre and LAN activity
- Compact metal casing with rack mount facility or IP-66 outdoor



## PoE HYBRID FIBRE TRANSMITTER

### CONVERT IP TO FIBRE LC

Type	Power	Code
Transmitter	65W	PFE-1001T
Transmitter	120W	PFE-1101T



## PoE HYBRID FIBRE RECEIVER

### CONVERT FIBRE TO PoE

Type	Output	Code
Receiver	Single PoE	PFE-1001R
Receiver	4 Port PoE	PFE-1004R



## PoE HYBRID FIBRE RECEIVER OUTDOOR

### WEATHER-PROOF IP66

Type	Output	Code
Receiver	Single PoE	PFE-1011R
Receiver	4 Port PoE	PFE-1014R







## PTZ Controllers

### KEYBOARD IR REMOTE

#### WIRELESS ADDON PTZ

- Wireless PTZ controller
- IR remote hand control
- Support up to 99 cameras
- Digital camera select number
- RS-485 with Pelco D/P support.
- Baud rate: 2400,4800 and 9600Bps
- Wireless distance: Max.20m

Code

KBD9006



### NETWORK PTZ KEYBOARD CONTROLLER

#### 24 KEY 3D JOYSTICK + REAL TIME REVIEWING

Full programmer for PTZ Cameras on an IP network  
Displays camera image under control. Onvif 2.4  
Inbuilt 5" LCD display plus HDMI output. 12Vdc (inc)  
USB for mouse / keyboard input. 260x160x48mm  
Advanced feature-set from a professional keyboard

Code

KBD9010



### RS485 PTZ COMPACT KEYBOARD CONTROLLER

#### 27 KEY CONTROLLER + JOYSTICK

- 27 keys keyboard control + 2D joystick
- Manually or automatic program control
- RS-485 (Half duplex) 2-Wire 1200 metre max.
- 2 Line LCD Dot Matrix status control display
- Connect up to 255 speed dome cameras
- Small foot-print 130x130x55mm
- Power supply 12Vdc 1A (included)

Code

KBD9011



### RS485 PTZ 3D KEYBOARD CONTROLLER

#### 29 KEY CONTROLLER + 3D JOYSTICK

- 3D (Pan/Tilt/Zoom) joystick
- 29 Keys Keypad controller
- Manually or automatic control
- RS-485 (Half-duplex) comms
- 2400-19200bps 1200 metres max.
- LCD Dot Matrix status display
- Up to 255 speed dome cameras
- 305x135x40mm
- 12Vdc 1A (included)

Code

KBD9012



## Protocol Converters

### RS232-RS485 CONVERTER

#### DVR & PC-OUT TO BUS

Bi-directional diversion converts RS232 to RS485 data signal transmission. No additional power required. Supports 1200M distance 128 Node 115.2K Speed Anti-thunder. Anti-static.

Code

CA903



### RS485 SPLITTER X4

#### LINE MAGNIFIER

Line amplifier splitter.  
Accepts RS485 twisted pair wire input RS485.  
Outputs four RS485 line twisted pair up to 2Km.  
All screw terminals.  
Powerpack included 9Vdc

Code

CA908



### RS232-RS485 DUAL CHANNEL

#### OPTO-ISOLATION VERSION

Bi-directional diversion converts RS232 to RS485 data signal transmission. Outputs to two channels. Supports 2KM distance 128 Node 115.2K Speed Anti-thunder. Anti-static.

Code

CA906





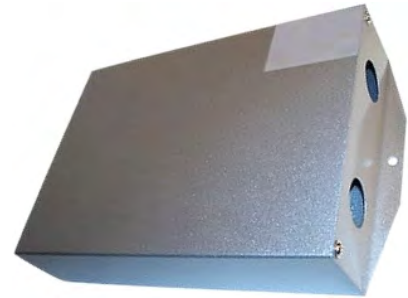


## RS485 TO CAMERA CONTROL DECODER

### PTZ REMOTE BOX

End-of-line control receiver connects a camera automation to the serial data RS485 bus from DVR or Keyboard PTZ control. Address code settable 64-ID Multiple protocol compatible drives standard & continuous rotation 24Vac pan/tilt units and 6-12Vdc camera lens with Zoom, focus and iris control. Two auxiliary functions (relay) Manchester code communication AD/AB Series matrix systems. Watchdog AD1641 compatible anti-jamming. Thunder-proof. Optical isolation protected. Accepts 24Vac or 240Vac power Under-eave weather resistance Aluminium box 145x195x55mm

Code  
CA901



## Test Monitors

### PALM SIZED WRIST MONITOR

#### 3.5" COLOUR LCD SCREEN

Wear it hands-free on your wrist and allows you to hold onto the ladder and adjust a camera angle, focus, zoom, etc. Powered from rechargeable 4x AA batteries included. Compact, light, yet large enough to view a camera's image clearly 480x360px for concise setup viewing. Adjustable wrist strap, stand, cables and charger included. 120g 120x85x27mm

Code  
MO35LCD



## PORTABLE TECHNICIANS LCD MONITOR

### BATTERY OPERATED CAMERA TESTER

Professional camera installation monitor. Battery operated unit for quickly testing and confirming view of camera installations. Simply plug-in at the camera point for setup. Suits the Installer. Candy-tray neck strap. Built-In 12V 1Ah NiMH 2-3Hrs. With recharger. Two RCA Video inputs. PAL/NTSC. Audio. Complete Kits. Available in Two sizes:  
4" (10cm) TFT-LCD 480x234  
7" (17cm) TFT-LCD 1152x234

Size	Code
4"	LSM413
7"	LSM713







## □ Inspection Cameras

### SNAKE INSPECTION CAMERA USB & OTG

#### REQUIRES LAPTOP OR ANDROID

Flexible 3 foot metal goose-neck.  
Poly coated ingress protected Metal tip  
White illuminated LEDs.  
Windows® 8/10 USB2 (2M lead inc.)  
Android with OTG (2M lead Inc.)  
Includes software CD.  
VGA CMOS 648x488px  
Field Of View 54°  
Focus 60mm to Infinite  
Neck 930 x 6.5mmØ  
End 55x 8mmØ  
Total 1150mm

Code  
USB206OT



### SNAKE INSPECTION CAMERA WITH WIFI

#### ANDROID & iOS®: iBOREScope OR iSNAKESCOPE

The camera has a gooseneck length of 0.88m, and 2 bright white LEDs at the tip of the camera to provide lighting. The unit uses WiFi with a free App (iBorescope) allows video streaming, but also allows the capture of screenshots and video to your mobile device. Supported

Platform: iOS perform  
(iPhone 3G/iPhone 4/  
iPhone 4S/iPhone 5/  
iPad/iPad2/iPad3,  
Android v2.2+

Code  
WIC3003



### SNAKE INSPECTION CAMERA 2.3"

- 2.3" TFTLCD screen
- 8mm waterproof camera head with LED light
- 1m flexible extended tube
- Waterproof capacity IP67
- Minimum illumination 0 (LED ON)
- Video system PAL/NTSC
- Includes 4 useful accessories hooks, mirror and magnet
- Power supply 4 x AA batteries (not included)
- Packed in deluxe plastic hard case

Code  
G6100



### SNAKE INSPECTION CAMERA 2.4" RECORD

#### WITH BUILT-IN RECORDING

- 2.4" TFTLCD screen
- 640x480 resolution video recording
- 8mm camera head
- Waterproof camera IP67
- Video system PAL
- Minimum illumination 0 Lux
- Requires 4x AA batteries (not included)
- Supports up to 32GB Micro SD card (not included)

Code  
G8100



### SNAKE INSPECTION CAMERA WIFI

#### USE A SMART PHONE AS THE VIEWING SCREEN

- WIFI transmission, supports iPhone®, iPad® and Android devices
- Mini 9mm water-proof Camera with 1 metre flexible extended tube.
- Video recording and photo capture capability 3x Zoom capability
- Adjustable brightness on lens mounted LED light
- Hook, Mirror, Magnet included
- Requires 4x AA Batteries
- IP67 Waterproof
- Includes travel case

Code  
G6900



### SNAKE INSPECTION CAMERA 3.5" WIRELESS

#### RECORDING & ZOOM WITH CARRY CASE

1 Metre long metal gooseneck 7mmØ  
9mmØ CMOS Camera FOV 36°  
LED Illuminated brightness adjust  
IP67 Submersible head & neck  
195x165x55mm pistol casing  
Detachable wireless monitor  
3.5" LCD 640x480px  
Hook, mag, mirror tips  
Pistol Requires 4x "AA"  
Monitor inbuilt rechargeable  
Mains charger included  
Recorder function to  
MicroSD Card required.  
Video output to RCA  
USB for file transfer  
Digital zoom. OSD.  
Includes carry case.

Code  
G9500HC



### EXTENSION CABLE GATOR

#### 1 METRE GOOSENECK

Suits G6100, G6900, G8100, G9500HC

Code  
EC1



### CAMERA HEAD UPGRADE

#### 5.8mm DIAMETER HEAD 1M LONG

Extra flexible camera head solution.  
IP65. 640x480px CMOS CCD

Code  
CH58





# Communications



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# Communications

## Antennas

### Twin Series

#### ANTENNA PAIRS - MOBILE PHONE OR UHF

##### MATCHING CELLULAR & UHF ANTENNAS

Dual whips of identical appearance for Left & Right mounting on Vehicles Boot lip, Bull bar, etc. Salt-water proof for Marine applications. Rugged design. Fibreglass enclosed. Stainless steel spring. Feed-through base cable design for neat installation. Short fly lead to small FME socket connector. Includes 5 Metres of low-loss cable terminated to FME with PL259 adaptor for the UHF Series. Optional Fixed or Slip-ring above spring base allows removal of antennas if required. 1/2" Stud mount for insertion into a 1/2" hole.

- Matching whip pairs for mounting twins on your boat, truck, 4WD, etc.
- Share popular communication bands to each antenna
- Cellular All Band: GSM, NextG, GPRS, 3G. 820-960MHz & 1710-2200MHz
- UHF 476-477MHz
- Select the antenna length/gain
- Select the antenna base type: Fixed or Detachable
- Select band (Twin series sold separately)
- Select colour White or Black



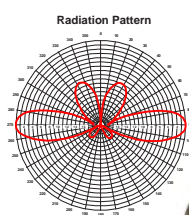
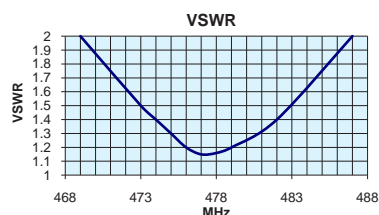
## TWIN SERIES

### UHF OR CELLULAR TWIN ANTENNAS

Length	Base	Type	Gain	Colour	Lead	Plug	Benelec	Code
890mm	Fixed	Cellular	3dB/6dB	Black	5M LL195	FME Socket	024574	ANT520BK
890mm	Fixed	Cellular	3dB/6dB	White	5M LL195	FME Socket	024574W	ANT520WH
890mm	Fixed	UHF 477MHz	3dB	Black	5M RG58	FME/PL259	026384	ANT521BK
890mm	Fixed	UHF 477MHz	3dB	White	5M RG58	FME/PL259	026384W	ANT521WH

Length	Base	Type	Gain	Colour	Lead	Plug	Benelec	Code
1110mm	Fixed	Cellular	3dB/7.5dB	Black	5M LL195	FME Socket	024576	ANT524BK
1110mm	Fixed	Cellular	3dB/7.5dB	White	5M LL195	FME Socket	024576W	ANT524WH
1110mm	Fixed	UHF 477MHz	6.5dB	Black	5M RG58	FME/PL259	026385	ANT531BK
1110mm	Fixed	UHF 477MHz	6.5dB	White	5M RG58	FME/PL259	026385W	ANT531WH

Length	Base	Type	Gain	Colour	Lead	Plug	Benelec	Code
1130mm	Detachable	Cellular	3dB/7.5dB	Black	5M LL195	FME Socket	024578	ANT526BK
1130mm	Detachable	Cellular	3dB/7.5dB	White	5M LL195	FME Socket	024578W	ANT526WH
1130mm	Detachable	UHF 477MHz	6.5dB	Black	5M RG58	FME/PL259	026385C	ANT527BK
1130mm	Detachable	UHF 477MHz	6.5dB	White	5M RG58	FME/PL259	026385CW	ANT527WH



DETACHABLE  
(OPTIONAL)







## □ CB UHF 477MHz

### UHF RUBBER-DUCKY 300mm

#### 477MHz 4dB 1/2" BASE

Flexible & Robust. Ground Independent low-profile, tough. No ground plane 0dB With ground plane 4dB Australian made. Nylon radome black 300mm Trucks, cars, 4WD, farm, etc. BW=20MHz. Vswr 1.8:1

Type	477MHz	477MHz
Gain	4dB*	4dB*
Length	300mm	300mm
Base	SO239	Tail
Colour	Black	Black
Plug	PL259	FME + PL259 adaptor
Lead	Nil	Coax x5M
Benelec	02634XC	02634X
Code	ANT435	ANT434



Requires SO239 Base

5M COAX To FME. Includes PL259 Adaptor



### UHF HAND HELD 150mm

Direct to plug connection. Ground independent 1/2 wave. Made with tough nylon tubing covered with polyolefin. This antenna is primarily for hand held transceivers but can be used in other applications where an inline antenna is required.

ANT846



Length	160mm	160mm
Gain	1/4 Wave	1/4 Wave
Colour	Black	Black
Type	477MHz	477MHz
Base	BNC	TNC
Mobileone	BNCMD	TNCMD
Code	ANT844	ANT845

### UHF INVISIBLE 2.5dB

#### WINDOW MOUNT

477MHz coaxial dipole UHF clear transparent on-glass UHF antenna. Vandal proof. Mounts on the inside of a vehicle windscreen. 460MHz - 470MHz 2.5dB Max power rating 25 watts. Covert & no wind noise. Includes 3.6M low-loss coax to FME female + PL259 adaptor. Long thin style to suit front, side rear windows. Silver strip allows broad banding. Do Not Remove.

ADHERE TO WINDOW



Gain	2.5dB
Length	3600mm
Type	477MHz
Base	Sticker
Plug	FME+PL259 adaptor
OEM	472
Brand	Laser
Code	ANT901



### UHF RUBBER-DUCKY 360mm

#### 477MHz 2dB 1/2" BASE

Flexible type with spring base for a low-profile, tough mount anywhere! 300W BW=15MHz 2dB \*Ground Independent. Only 360mm tall. Australian made.

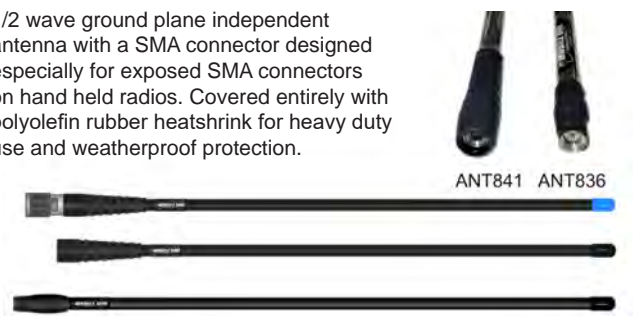
Gain	*2dB	*2dB
Length	360mm	360mm
Colour	Black	Black
Type	477MHz	477MHz
Base	Tail 3.6M	PL259
Plug	PL259 Plug	FME+PL259 adaptor
MobileOne	CD470	CD470PL
Code	ANT410	ANT823



### UHF HAND HELD 350mm

1/2 wave ground plane independent antenna with a SMA connector designed especially for exposed SMA connectors on hand held radios. Covered entirely with polyolefin rubber heatshrink for heavy duty use and weatherproof protection.

ANT841 ANT836



Gain	3dB	3dB	3dB
Length	350mm	350mm	350mm
Colour	Black	Black	Black
Type	477MHz	477MHz	477MHz
Base	TNC	SMA (up)	SMA (in)
Mobileone	TNCHW	SMAIHW	SMAHW
Code	ANT838	ANT836	ANT841

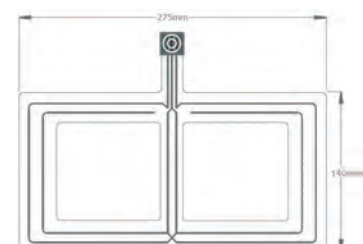
### UHF INVISIBLE 4.5dB

#### WINDOW MOUNT DOUBLE

Discreet 477MHz antenna. High performance full-wave dual pole with common centre. Omni-directional wide-band clear mylar/polyester transparent for on-glass. UHF antenna vandal proof. Mounts on the inside of a vehicle window glass. 390MHz - 520MHz 4.5dBi. Max power rating 25 watts Vswr 1.2:1 at 477MHz. Covert & no wind noise. Includes 3.6M low-loss coax to FME female + PL259 adaptor. Long thin style to suit front, side rear windows.

ADHERE TO WINDOW

Gain	4.5dB
Length	3600mm
Type	Window Mount
Base	Sticker
Plug	FME+PL259 adaptor
OEM	477
Brand	Laser
Code	ANT902







# Communications

## UHF ELEVATED-FEED STEEL WHIP 6.5dB 760mm

### 477MHz 760mm 6.5dB

Benelec "Truckie" whip set. Suit mirror/bull mount. Stainless steel whip. Brass & Delrin Base. Elevated feed tube. High tensile strength. Mobile Truckie Antenna. Ground Independent. Suit high speed mount gutter / mirror / boot. Low-Loss coax connected Centre feed cable 5.0M FME female plug + PL259 adaptor. ¼ Wave Vswr 1.5:1 6.5dB 477MHz Bandwidth 13MHz Plug Lead Base.

Gain	6.5dB
Length	760mm
Colour	Steel
Type	477MHz
Base	½"
Benelec	02637
Code	ANT436



## UHF STAINLESS STEEL WHIP 4.5dB

### 5/16" THREADED BASE

17-7PH Grade 2.5mmØ  
Tuned Spring 470-490MHz

Gain	4.5dB	4.5dB
Length	670mm	670mm
Colour	Stainless Steel	Black
Type	477MHz	477MHz
Base	5/16"	5/16"
Benelec	02623I	02623IBK
Code	ANT415	ANT415BK

Suit: Replacement or stand-alone



## UHF STEEL WHIP 6.5dB

### 477MHz 870mm

870mm Stainless 17/7 High Tensile Plated Brass. Ferrule Terminates to SO239. 0.5mmØ Black Delrin. Ground plane independent. Elevated Ferrule. Includes SO239 Base and lead assembly to FME Socket. +PL259 adaptor

Gain	6.5dB
Length	870mm
Colour	Steel
Type	477MHz
Base	SO239
Lead	5Mx RG58
Plug	FME Female+PL259 adaptor
Benelec	02632
Code	ANT433



## UHF STAINLESS STEEL WHIP 4.5dB

### 5/16" THREADED BASE

17-7PH Grade 3.5mmØ  
Tuned Spring 470-490MHz

Gain	4.5dB	4.5dB
Length	600mm	600mm
Colour	Stainless Steel	Black
Type	477MHz	477MHz
Base	5/16"	5/16"
Mobileone	S474	S474B
Code	ANT822	ANT833

Suit: Replacement or stand-alone



## UHF STEEL WHIP 1.3M 9dB

### 477MHz 1300mm

1300mm Stainless 17/7 High Tensile 0.5mmØ Black Delrin Suit 4x4, trucks, etc. Best bull bar mounting. Ground plane independent. Includes elevated base. Require ½" Bracket mount. Includes low loss cable. FME female plug + PL259 adaptor. Benelec 02629

Gain	9dB
Length	1300mm
Colour	Black
Type	477MHz
Base	SO239
OEM	02629
Brand	Benelec
Code	ANT432



## UHF SPRING WHIP 4.5dB

5.4dbi 477MHz Coil Loaded Stainless Steel Whip. No base supplied. Requires CBBL1/2 Aerpro.

Code	CBA4S1
------	--------







## UHF STEEL WHIP 0.9M 6dB

### 477MHz 890mm GAIN-MASTER

Ground plane independent stainless steel collinear 89cm 6.5dB. 200W 477MHz Elevated spring base kit 3.2mmØ Stainless steel. Popular for industrial, mining, heavy transport, because of its durability, impressive steel elevator and long-life construction. Australian made. High grade steel, brass and plastics. Terminates to SO239 socket. Lead required. Direct mount to ½" bracket. Requires lead, plug, etc. 1.5:1 VSWR 15MHz BW Mobile or base station.

Gain	6dB
Length	890mm
Colour	Stainless Steel
Type	477MHz
Base	PL259
OEM	RF470COMBI
Brand	MobileOne
Code	ANT428



## DUAL UHF KIT 0.2/0.7M 3/6dB

Elevated feed base with two antennas. 3dbi 477MHz 15cm Flexible Antenna. 6dbi 477MHz 65cm High-Gain whip. FME female plug + PL259 adaptor. Aerpro



Code  
CBA36F1L



## UHF STUMPY 0.5M 3dB

### RUGGED & SHORT

Compact and rugged. Fibreglass enclosed. Spring base. Removable.

Gain	3dB
Length	500mm
Type	UHF 477MHz
Base	1/2" Spring
Lead	RG58 x5M
Plug	FME PL259
Benelec	026383C 026383CW
Colour	Black White
Code	ANT545BK ANT545WH



## UHF ELEVATED-FEED DUAL WHIP KIT

### ½" Base with Spring COUNTRY / CITY KIT

Elevated feed spring base fibreglass whip 600mm and a stubby 150mm. (Country/City) 5M attached lead. ½" mounting nut. Requires bracket. No ground plane required. Australian Made.

Gain	3dB/6.5dB
Length	450/600mm
Colour	Steel & Black
Type	Elevated-Feed
Base	Spring 1/2"
Lead	5M RG58
Plug	FME+PL259 adaptor
Benelec	02635
Code	ANT420



**BENELEC**

**BENELEC**

## UHF FLEXI-DIPOLE 0.3M 4dB

Ultra rugged, broadband, flexi dipole. Full band operation. 450-520MHz. PL259 Male Plug base

Gain	4dB
Length	330mm
Colour	Black
Type	UHF 477MHz
Base	PL259
Benelec	02634MZ
Code	ANT541

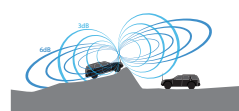


## UHF DUAL WHIP KIT 0.5/1.2M 3/6dB

### CHANGE GAIN / APPLICATION

For a vertically omnidirectional, use the shorter 50cm antenna. eg. In a convoy in rugged terrain. For a higher gain across the horizontal, use the longer 1M. eg. flat open roads. Black Radome fibreglass heavy duty whip. Spring base. 1.5:1 VSWR

Gain	3dB / 6.5dB
Length	50cm / 117cm
Colour	Black
Type	UHF 477MHz
Base	Sprung Detach
Cable	RG58 x5M
Plug	FME / PL259
Code	ANT540BK



**BENELEC**

**BENELEC**





# Communications

## UHF FIBREGLASS 0.6M 4.5dB

477MHz 600mm

Lightweight flexible whip high power transmitter collinear. Low SWR, low angle of radiation PVC coated fibreglass. Made In Australia. 5/16" base required. VSWR 1.5:1 over 14MHz 4.5dB Gain. Mobile One M474.

Gain	4.5dB
Length	600mm
Colour	Black
Type	477MHz
Base	5/16"
OEM	M474
Brand	MobileOne
Code	ANT821



## UHF WHIP PHASE-FOUR 1.5M 6.5dB

477MHz 1.5M 6.5dB 5/16"

Deluxe construction Epoxy coated whip fibreglass black. Requires 5/16" Base FOUR phase tuning for a 6.5dBi gain.

Gain	6.5dB
Length	1500mm
Colour	Black
Type	477MHz
Base	5/16"
OEM	026264
Brand	Benelec
Code	ANT413

**BENELEC**



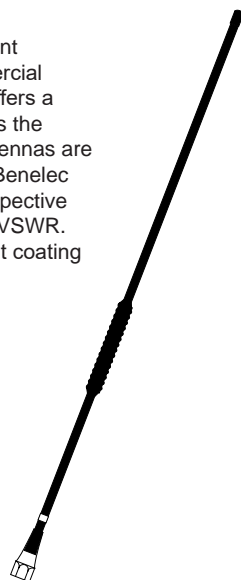
## UHF FIBREGLASS 0.6M 4.5dB

ROOF MOUNT

The Benelec 02623 is 4.5dB gain, roof mount fibreglass antenna covering all UHF commercial Mobile Radio Bands. The 02623 antenna offers a genuine 4.5dB of gain on the horizon across the whole designated band of operation. All antennas are designed for optimum performance on the Benelec 02740 mobile base and cover the entire respective designated bands of operation under 1.5:1 VSWR. Its fibreglass construction with heat shrink fit coating ensures smooth strong and flexible finish.

Gain	4.5dB
Length	650mm
Colour	Black
Type	UHF 477MHz
Base	5/16"
Benelec	02623
Code	ANT534

**BENELEC**



## UHF FIBREGLASS 1.5M 6dB

EXCELLENT PRICING FROM AERPRO

Fibreglass Whip Multiple Loading.

Gain	6dB
Length	1520mm
Colour	Black
Type	UHF 477MHz
Base	5/16"
Brand	Aerpro
Code	CBA5F1

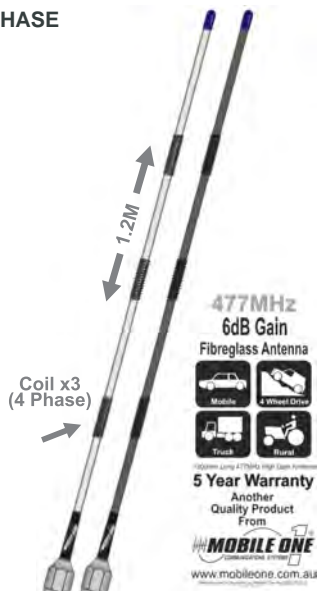


## UHF FIBREGLASS WHIP 1.2M 6dB

MEGA-BLASTER 477Mhz 6dB 4 PHASE

Wide bandwidth 25MHz to 900MHz! Multi-stacked collinear 1.2M fibreglass, polyolefin covered. 6dB gain 450MHz to 520MHz with 1M<sup>2</sup> ground plane, but will also perform well on bull-bars, etc. Suit scanners, UHF, etc. Black. High grade construction with copper and brass. Long-life for base or mobile. Terminated 5/16" for UHF bases. Australian made. Antenna only. Mobile One M476

Gain	6dB
Length	1200mm
Type	477MHz
Base	5/16"
Brand	MobileOne
Colour	Black
OEM	M476
Code	ANT419







## UHF FIBREGLASS 0.75M 4.5dB

### EXCELLENT PRICING FROM AERPRO

Enclosed ABS tube whip Heavy Duty  
Spring Base to 1/2" hole mount.

Gain	4.5dB
Length	750mm
Colour	Black
Type	UHF 477MHz
Base	Spring
Plug	PL259
Lead	5M
Brand	Aerpro
Code	CBA2T1



## UHF 477Mhz 500mm 3dB

### BENELEC REMOVABLE SERIES

Rugged design fibreglass enclosed. Heavy-duty spring with above detachable antenna via SO239 screw connection for removal of whip if required. Base fits 1/2" hole making these suitable for 4WD and marine.

Gain	3dB	3dB
Length	500mm	500mm
Colour	Black	White
Type	UHF 477MHz	UHF 477MHz
Base	PL259	PL259
Benelec	02634C	02634CWT
Code	ANT519BK	ANT519WH



## UHF ELEVATED-FEED 0.7M 6dB

Elevated feed  
Heavy Duty Spring  
6dbi 455MHz  
65cm Whip  
FME female plug + PL259 adaptor.  
Aerpro

Code	CBA3F1L
------	---------



## UHF FIBREGLASS 1M 6.5dB

### HEAVY DUTY SPRING

Supplied complete with a robust Mobile Spring Assembly making it ideally suited to a range of optional mobile mountings complimentary to most vehicle applications. Offers a stable genuine radiation pattern with negligible horizontal pattern tilt.

Gain	6.5dB	6.5dB
Length	1110mm	1110mm
Colour	Black	White
Type	UHF 477MHz	UHF 477MHz
Base	Fixed	Fixed
Plug	FME/PL259	FME/PL259
Lead	5M RG58	5M RG58
Benelec	026385	026385W
Code	ANT531BK	ANT531WH

Available in different lengths,  
detachable whip and in Cellular.  
See Benelec Twin series...



**BENELEC  
TWIN  
SERIES**



## UHF ELEVATED-FEED 6dB 0.8M

### 477MHz 880mm GAIN-MASTER

880mm fibreglass 6.5dB 200W collinear.  
Antenna base kit elevated with centre  
feed. Ground plane independent. DC  
grounded for protection. Suit trucks,  
rural, four wheelers, boats, or as a base  
station, etc. Lead through centre of  
base heavy-duty steel spring 3.6M coax  
to FME female plug + PL259 adaptor.  
Base requires 1/2" bracket Mobile One.

Gain	6dB
Length	810mm
Colour	White
Type	477MHz
Base	Spring Elevated
OEM	RF470FWSS
Brand	Mobileone
Code	ANT824WH



## UHF MINI DESERT STICK 1.1M

### ELEVATED FEED HEAVY DUTY

High gain, high performance.  
Ultra rugged, all S/S  
construction. 3mm thick  
fibreglass removable push/pull  
N plug & socket.

Gain	6.5dB	
Length	1100mm	
Type	UHF 477MHz	
Base	1/2" & Spring	
Plug	FME/PL259	
Lead	RG58 x5M	
Colour	Black	White
Benelec	026382K	026382KW
Code	ANT544BK	ANT544WH







# Communications

## UHF HEAVY DUTY WHIP 1M 4.5dB

### 477MHz WHITE WHIP 950mm

Ground Plane Independent. Heavy duty spring base. Excellent general purpose heavy duty fibreglass whip. Wide tapered strong radome for light weight & strength. High performance. 4dB gain. Terminates to PL259 Plug or SO239 UHF socket. Suit all vehicles on land or marine, bull-bar or mast. Long life design. Low SWR. Made in Australia. Mobile-One. DC Grounded for safety.

Gain	4.5dB	4.5dB
Length	950mm	950mm
Colour	White	Black
Type	477MHz	477MHz
Base	SO239	SO239
Plug	PL259	PL259
OEM	CL474WCOMBI	CL474BCOMBI
Brand	MobileOne	MobileOne
Code	ANT423	ANT828



## UHF RADOME WHIP 1.6M 6dB

### 477MHz 1600mm KIT

1600mm radome fibreglass 6dB Collinear. 200W Max. Ground plane independent. DC grounded for protection. For use as a mobile whip 4x4, trucks, rural, etc. Direct PL259 Plug end. Requires SO239 Base. Requires cable, etc. Mobile One CP476W

Gain	6dB	6dB
Length	1550mm	1550mm
Colour	White	Black
Type	477MHz	477MHz
Base	SO239	SO239
Plug	PL259	PL259
OEM	CP476W	CP476B
Brand	MobileOne	MobileOne
Code	ANT421	ANT830



## UHF RADOME WHIP & SPRING 1.6M 6dB

### 477MHz 1600mm WITH SPRING

1600mm radome fibreglass 6dB 200W Collinear. Spring Base Ground plane independent. DC grounded for protection. Extra Heavy duty sprung for use as a mobile whip 4x4, trucks, rural, etc. Direct PL259 Plug end Requires SO239 Base. Requires cable, etc. Mobile One CP476S

Gain	6dB	6dB
Length	1600mm	1600mm
Colour	White	Black
Type	477MHz	477MHz
Base	SO239	SO239
Plug	PL239	PL239
OEM	CP476SW	CP476SB
Brand	MobileOne	MobileOne
Code	ANT832	ANT831

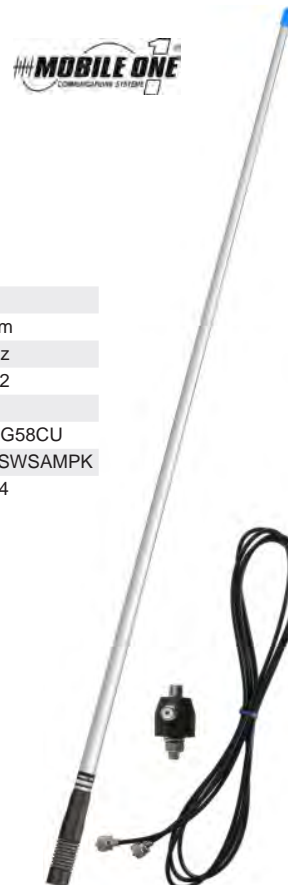


## UHF ELEVATED-FEED & SPRING 1.7M 6dB

### 477MHz 1680mm KIT

Fibreglass 6dB 200W Collinear. Elevated spring Base included. Ground plane independent. Suit trucks, rural, four wheelers, boats, or as a base station, etc. DC grounded for protection. Lead side-entry above spring. 3.6M coax to PL259 Plug Base requires 1/2" bracket.

Colour	Black	White
Gain	6dB	6dB
Length	1680mm	1680mm
Type	477MHz	477MHz
Base	CBB102	CBB102
Plug	PL259	PL259
Lead	3.6M RG58CU	3.6M RG58CU
MobileOne	CP476SBSAMPK	CP476SWSAMPK
Code	ANT829	ANT424







## UHF ULTRA-HEAVY-DUTY 1.9M 8dB

### BENELEC DESERT STICK

High gain performance in a ruggedised package. Polished Stainless Steel mounting section, and a heavy walled Fibreglass Radome. Flylead with a new generation waterproof push-pull connector for easy termination to the feed cable lead, making the antenna fully removable. The antenna radiating section is constructed in high quality semi rigid Teflon dielectric cable, ensuring reliable radiation pattern, and VSWR performance.

Gain	8dB
Length	1900mm
Type	UHF 477MHz
Base	1/2"
Plug	"N"
Lead	10cm
Colour	Black White
Benelec	026386 026386
Code	ANT532BK ANT532WH



**BENELEC**

## UHF BASE STATION 2.4M

### 477MHz 6dB LONG RANGE

2400mm long antenna for High Gain. Co-Linear. Designed for base station applications. Also suitable for boats, etc. "N" Plug terminated base. Heavy Duty tapered hollow fibreglass Radome aluminium and copper made. 160Km/h Wind load. 4.6Kg. 477MHz Bandwidth 3MHz. Vertical beam 16 Deg. Requires mounting hardware, etc. Antenna only.

Gain	6dB
Type	477MHz
Base	"N" Female
Length	2400mm
Benelec	02648
Code	ANT416



**BENELEC**

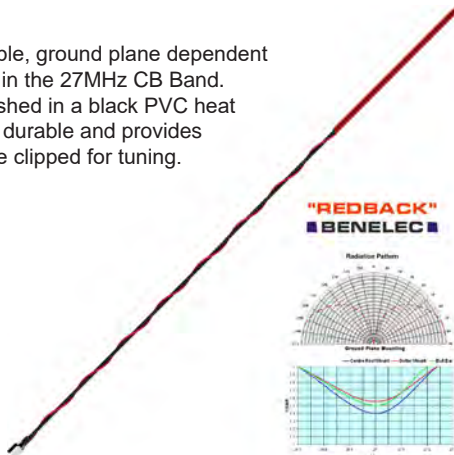
## □ 27MHz

## 27MHz WHIP BENELEC

### 27MHz CB

Helically wound, flexible, ground plane dependent antenna whip for use in the 27MHz CB Band. Copper windings, finished in a black PVC heat shrink coating is very durable and provides waterproofing. Can be clipped for tuning.

Height	3 Ft
Length	915mm
Colour	Red
Type	27MHz
Gain	0dBi
Base	5/16"
Benelec	02152
Code	ANT2742



## 27MHz ROOF MOUNT MOBILE CB ANTENNA

### LOW PROFILE

Low Profile Only 320mm Long  
Low SWR (best on a gutter mount)  
Covered with durable Polyolefin  
Made In Australia

Code	ANT2714
------	---------



## 27MHz WHIP ANTENNA

Solid white 6.25mm thick fibreglass with PVC coating  
This antenna is factory tuned to 27.145MHz and covers the entire 27MHz CB Band  
Length: 1520mm

Length	1520mm
Colour	White
Base	5/16"
Code	DX160CDW



## 27MHz WHIP AERPRO

Fibreglass Whip Antenna 27MHz  
910mm Aerpro

Code	CBA3FX
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**Aerpro**  
First Choice







# Communications

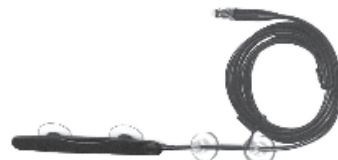
## Cellular

### ON GLASS ANTENNA

Semi-permanent or temporary solution. 2 Metres RG174A/U coax cable to Plug FME Female. 2.5dB 25x125mm

#### SUCTION CUPS

Band	Code
NextG 850 / GSM900 / GSM1800	ANT495
GSM900 / GSM1800 / LTE 4G / 3G2100	ANT496



#### STICK-ON ADHESIVE

Band	Code
NextG 850 / GSM900 / GSM1800	ANT491
GSM900 / GSM1800 / LTE 4G / 3G2100	ANT493



### ON GLASS ANTENNA

#### THROUGH-GLASS CELLULAR

Benelec 02457 glass mount antenna. Suitable for ALL cellular bands NEXT-G 850, GSM900/1800, LTE 4G, 3G-2100. Designed to be mounted on the inside of the vehicles windscreen or a house window pane, etc. 195x35mm. Mobile phone unity gain dual band antenna. 820-960MHz & 1710-2200MHz. 3.0M x LL195 Coax to SMA-Male.

Band	Code
NEXT-G 850 / GSM900 / GSM1800 / LTE 4G / 3G2100	ANT515
Cellular Phone & AVL / GPS	ANT538



### CELLINK THROUGH-GLASS ANTENNAS

#### 4.3M CABLE TO FME-FEMALE PLUG

Double or single tuned coil (closed type) black anodized whip. Adjustable angle base long life, premium grade materials used. Improved performance and true gain models Pre-Crimped FME Female Plug. No tools required. \*High gain.

Type	NEXT-G850/GSM900/ GSM1800/LTE/4G	GSM900-1800/ LTE4G/3G-2100		
Gain	5dB	9dB*	5dB	9dB*
Length	315mm	500mm	300mm	500mm
Base	Thru-Glass	Thru-Glass	Thru-Glass	Thru-Glass
Lead	4M x LL195	4M x LL195	4M x LL195	4M x LL195
Plug	FME female	FME female	FME female	FME female
Code	ANT475	ANT477	ANT485	ANT490



CABLE STAYS & ALCOHOL SWIPES



REPLACEMENT MASTS & STICKY BASES ARE AVAILABLE [SEE BELOW]



#### 5dB THROUGH-GLASS WHIP ONLY

##### SUITS ANT485

Replacement whip and through-glass outside base. Includes adhesive strip.

Gain	Band	Length	Code
5dB	NEXT-G850/GSM900/GSM1800/LTE/4G	400mm	WB6308
7dB	GSM900/1800	500mm	WB6311
	Extra Tape	45mm <sup>2</sup>	ART45







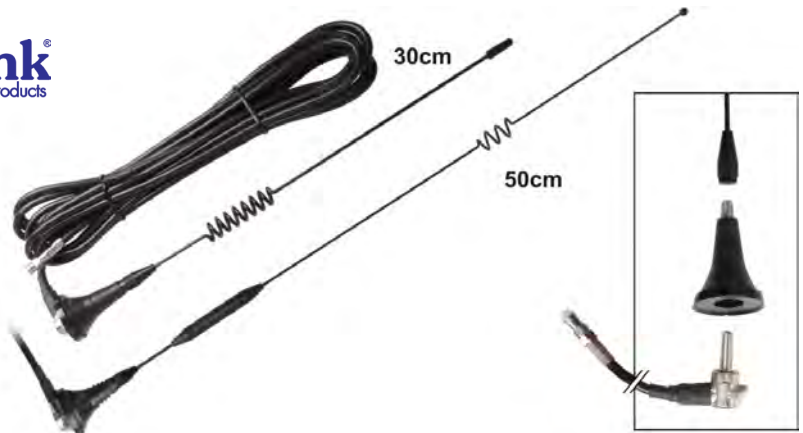
## PANEL MOUNT ANTENNA 1/2"

### GSM-900 & NEXT-G 850

Rubber grommet base seal. Inverted cone base 30mm. Suit permanent install. Requires drilled panel 14mm.

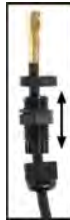
Gain	5dB	7dB
Length	300mm	500mm
Type	NEXT-G 850 / GSM900	
Base	Panel 1/2"	Panel 1/2"
Cable	5M x RG58A/U	4M x LL195
Plug	FME Female	FME Female
Code	ANT406	ANT447

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### WITH FIREWALL GROMMET

Gain	7dB
Length	500mm
Type	NEXT-G 850 / GSM900
Base	Panel 1/2"
Cable	4M x LL195
Plug	SMA Male
Code	ANT448



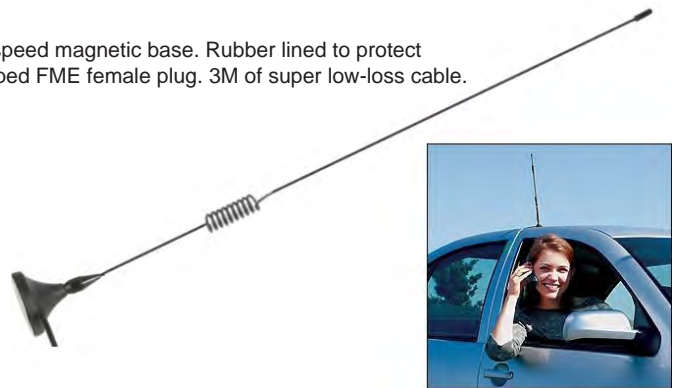
## CELLINK MAGNETIC BASE ANTENNA

### 3M CABLE TO FME-FEMALE PLUG

Open spring type tuning coil. Black anodized low wind noise. High wind speed magnetic base. Rubber lined to protect duco. Excellent robust solution for non-permanent installations. Pre-crimped FME female plug. 3M of super low-loss cable.

Gain	4dB	4dB
Length	300mm	300mm
Type	NEXT-G 850	GSM 900
Base	Magnetic 28mm	Magnetic 28mm
Cable	300mm	3M RG174A/U
Plug	FME female	FME female
Code	ANT363	ANT368

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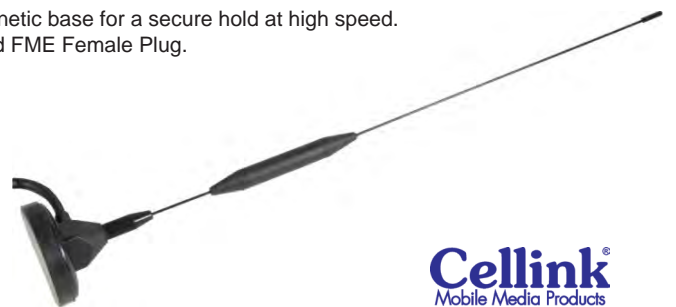


## CELLINK MAGNETIC BASE ANTENNA

### 4M CABLE TO FME-FEMALE PLUG

Closed coil type, black anodized, low wind noise & high wind speed magnetic base for a secure hold at high speed. Rubber lined to protect duco. Compact temp install solution. Pre-Crimped FME Female Plug.

Gain	5dB	5dB	7dB
Length	520mm	400mm	520mm
Type	GSM900-1800 / LTE 4G / 3G-2100	Next-G 850 / GSM900-1800 / LTE 4G	NEXT-G 850 / GSM900-1800 / LTE 4G
Base	Magnetic 50mm	Magnetic 50mm	Magnetic 80mm
Lead	4M x LL195	4M x LL195	4M x LL195
Plug	FME female	FME female	FME female
Code	ANT483	ANT480	ANT481



## EXTERNAL ANTENNAS

### INDOOR PATCH BROADBAND

Flat "patch" antenna. Double sided tape affix. 1M x RG174A/U. Terminates FME female.

Gain	2.5dB	2.0dB
Length	155x55mm	75x33mm
Type	Next-G/GSM/3G	Next-G/GSM/3G
Lead	1M x RG174AU	1M x RG174AU
Plug	FME Female	FME Female
Code	ANT497	ANT498



LAPTOP NOT INCLUDED

## DESK-TOP WIRELESS INTERNET ANTENNA

### 2dB NEXT-G GSM900/1800, LTE, 3G-2100

Indoor self standing or laptop clip. Includes wand and stands with angle adjust for wall mounting, etc. Stands 220mm tall. 825-960MHz, 1710-2200MHz

Band	NEXT-G 850, GSM900/1800, LTE 4G, 3G-2100
Gain	2dB
Size	220mm Tall
Lead	RG174 x2M
Plug	FME Female
Code	ANT444







# Communications

## 7dB 740mm WHIP & SPRING

### NEXT-G 850, GSM900/1800 GPRS 4G LTE 3G-2100

Dual-Band Broad-band antenna. Heavy duty fibreglass whip. Suits Mobile phones and Wireless Internet bands. Ground independent. Bullbar & Car antenna Base station or boat. 825MHz-960MHz 1710-2200MHz 70cm + Spring base Requires ½" Bracket Includes Steel Spring LL195 Low-Loss Cable 5.0M to FME Female.

Gain	7dB	
Length	740mm	
Type	GSM/3G/4G/LTE/NEXT-G	
Base	Spring	
Brand	Cellink	
Colour	Black	White
Code	ANT451	ANT452



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Mobile Media Products

## 6.0dB 900MM WHIP & SPRING

### NEXT-G 850 / GSM900 / GSM1800 / LTE 4G / 3G-2100 [825-960MHz & 1710-2200MHz]

Dual-Band Broad-band antenna. Heavy duty fibreglass whip. Suits Mobile phones and Wireless Internet bands. Next-G 850 & GSM900 = 7dB. GSM1800 & G3-2100 = 3dB. Ground independent. Bullbar, Car, Base station or boat. Length = Antenna + Spring base. Requires ½" Bracket. Includes LL195 Low-Loss Cable 5.0M to FME Female.

Gain	3dB/6dB	3dB/6dB	3dB/6dB	3dB/6dB
Length	890mm	890mm	910mm	910mm
Base	Fixed	Fixed	Detachable	Detachable
Colour	Black	White	Black	White
OEM	024574	024574W	024577	024577W
Code	ANT520BK	ANT520WH	ANT522BK	ANT522WH



DETACHABLE (OPTIONAL)



## 7.5dB 1100MM WHIP & SPRING

### NEXT-G 850 / GSM900 / GSM1800 / LTE 4G / 3G-2100 [825-960MHz & 1710-2200MHz]

Dual-Band Broad-band antenna. Heavy duty fibreglass whip. Suits Mobile phones and Wireless Internet bands. NEXT-G 850 & GSM900 = 7dB. GSM1800 & G3-2100 = 3dB. Ground independent. Bullbar, Car, Base station or boat. Length = Antenna + Spring base. Requires ½" Bracket. Includes LL195 Low-Loss Cable 5.0M to FME Female.

Gain	3dB/7.5dB	3dB/7.5dB	3dB/7.5dB	3dB/7.5dB
Length	1110mm	1110mm	1130mm	1130mm
Base	Fixed	Fixed	Detachable	Detachable
Colour	Black	White	Black	White
OEM	024576	024576W	024578	024578W
Code	ANT524BK	ANT524WH	ANT526BK	ANT526WH

**BENELEC**



DETACHABLE (OPTIONAL)



## 7.5dB 1100MM WHIP & SPRING

### NEXT-G 850, GSM900/1800 GPRS 4G LTE 3G-2100

Dual-Band Broad-band antenna. Heavy duty fibreglass whip. Suits Mobile phones and Wireless Internet bands. 820-960MHz & 1710-2200MHz. Ground independent. Bullbar & Car antenna Base station or boat. Spring base Requires ½" Bracket Includes Steel Spring Low-Loss Cable 5.0M to FME Female.

Gain	3dB/7.5dB	3dB/7.5dB
Length	1110mm	1110mm
Type	Cellular	Cellular
Base	Fixed	Fixed
Lead	5M LL195	5M LL195
Plug	FME Socket	FME Socket
Colour	Black	White
Code	ANT524BK	ANT524WH



**BENELEC**





## 7.5dB 1M BUILDING MOUNT

### NEXT-G 850, GSM900/1800 GPRS 4G LTE 3G-2100

The antenna is light weight and fitted to a stainless steel studs. The ANT529 antenna does away with the need for three separate antennas whilst maintaining high gain across the cellular bands.

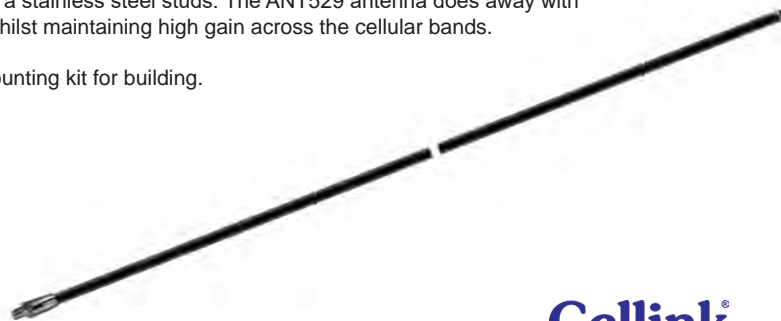
Comes with N socket termination.

Base mount to 1/2" Hole or includes mounting kit for building.

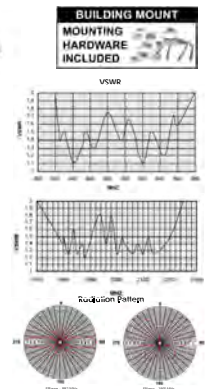
7.5dB 825-960MHz

3.0dB 1710-2200MHz

Gain	7.5dB
Length	1070mm
Base	"N"
Type	NEXT-G 850 GSM900/1800 LTE 4G 3G-2100
Colour	Black White
Code	ANT529BK ANT529WH



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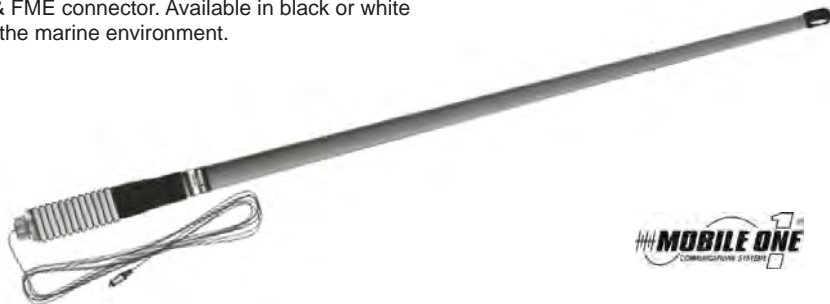


## 6dB 1100MM WHIP & SPRING

### NEXT-G 850 GPRS GSM900-1800 3G-2100

850-960MHz & 2100MHz. Fibreglass antenna with stainless steel heavy duty spring, 3.6M of special low loss cellfoil coax & FME connector. Available in black or white and is suitable for all vehicles and for the marine environment.

Gain	6dB	6dB
Length	1100mm	1100mm
Base	1/2"	1/2"
Plug	FME	FME
Lead	3.6M	3.6M
Colour	Black	White
Mobileone	SS822B	SS822W
Code	ANT537BK	ANT537WH



**MOBILE ONE**  
COMMUNICATIONS SYSTEMS

**Next G +**  
GPRS + 3G + GSM  
6.8dB Gain Cellular Antenna

5 Year Warranty  
Another Quality Product From  
**MOBILE ONE**  
COMMUNICATIONS SYSTEMS

Look alike to: ANT840 UHF

## 9dB GAIN CELLULAR ANTENNA

### NEXT-G 850MHz & 3G 2100MHz

Fibreglass base station Dual band tuned for NEXT-G/3G antenna with 20mm aluminium tube mounting section for elevated feed. Includes 10M of special low-loss cellfoil coax to FME connector. Available in black or white.

Colour	Black	White
Length	1350mm	1350mm
Gain	9dB	9dB
OEM	COL823B	COL823W
Code	ANT530BK	ANT530WH



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COMMUNICATIONS SYSTEMS

**Next G +**  
GPRS + 3G + GSM  
9dB Gain Cellular Antenna

5 Year Warranty  
Another Quality Product From  
**MOBILE ONE**  
COMMUNICATIONS SYSTEMS  
www.mobileone.com.au

## CELLULAR PHONE BOAT WHIP

### 3dB 1800mm 1" Base

Salt water resistant white whip Heavy duty Radome® Fibreglass Chrome plated brass fittings Ground independent Antenna. 1" Threaded base. Side cable entry 5 Metres RG58 coax connected NO PLUG. Requires connection plug.

Type	NEXT-G 850 GSM900 GSM1800 LTE 4G 3G-2100
Code	ANT603



5 Metres RG58  
No-Plug

1" Socket







# Communications

## 9dB 900mm BUILDING MOUNT 3G-2100MHz

### 3G - HEAVY DUTY BASE STATION / MARINE

Heavy duty fibreglass whip suits mobile phones and wireless internet bands 3G (2100MHz). Ground independent, includes bracket. Hardware Mounts onto the side of a building wall, etc. or 2" post mounting. Terminates to "N" socket. Requires connection and lead. Cellink.

Gain	9dB
Length	570mm
Colour	White
Type	3G-2100
Base	"N"
Code	ANT468

**Cellink**  
Mobile Media Products



**BUILDING MOUNT**  
**MOUNTING**  
**HARDWARE**  
**INCLUDED**



## CELLULAR PHONE MINI-MAST

### 19cm 3dB WIDEBAND

Fixed and mobile solutions suited for use in the cellular bands 690-960 MHz & 1710-2700 MHz.

Type	NEXT-G 850, GSM900/1800, LTE 4G, 3G-2100
Length	186mm
Colour	Black
Base	1/2"
Lead	3M x LL195
Plug	SMA Male
Benelec	024584
Code	ANT516

**BENELEC**



## 3dB 275mm WHIP

### Next-G 850 & GSM-900 CELLULAR ANTENNA FOR MAST MOUNT

Unity Gain (3dBi) covering the NEXT-G GSM Mobile Telephone bands 820-960MHz. Ground Independent. N-Type Socket mounting stud. Suited to mounting on marine type 1/2" mounting Brackets.

Gain	3dBi
Length	275mm
Colour	Black
Type	NEXT-G 850 GSM900
Base	"N"
Benelec	02461A
Code	ANT609



**BENELEC**

## DIRECTIONAL ANTENNA WIDE BAND

### LTE / 3G / WLAN / 700-2700MHz / NEXT-G / GSM 900/1800

Directional antenna for LTE/CDMA800/GSM/3G/WLAN/Wimax transmission. Use in wireless communications and data transmission system or repeater. Indoor and outdoor directional coverage. Wide frequency range: 698~2700 MHz.

- 698-800Mhz: 8.5db
- 800-960Mhz: 9.5db
- 1710-2700MHz: 10.5db

Type	4G / 3G / NEXT-G / LTE / GSM
Gain	8.5dBi-10.5dBi
Length	400mm
Colour	White
Base	Pole Kit
Lead	150mm
Plug	N Female
Code	ANT476



## MULTI-BAND PANEL ANTENNA

### NEXT-G 850 / GSM900-1800 / LTE 4G / 3G-2100 & WLAN

Small unobtrusive profile. Wall mountable indoor use. ABS UV protected panel. Base plate is aluminium.

Power	50 Watt
Load	50 Ohm
Size	210x180x44mm
Plug	"N" Type female
7dB	824-960MHz
10dB	1710-2500MHz

Type	NEXT-G 850 / GSM900- 1800 / LTE 4G / 3G-2100 & WLAN
Gain	10dBi
Length	210x180mm
Colour	White
Base	Wall Mount
Lead	150mm
Plug	N Female
Code	ANT472



"N"

## PANEL TYPE ANTENNA WIDE BAND

### LTE / 3G / WLAN / 700-2700MHz / NEXT-G / GSM 900/1800

- 7dBi 698 to 960MHz
- 10dBi 1700 to 2700MHz
- 210x180x44mm White
- UV stable ABS radome
- Indoor coverage 50Wmax
- "N" Female lead 15cm
- Wall mount kit

Type	LTE 3G WLAN NEXT-G GSM
Gain	7dBi-10dBi
Length	210mm
Colour	White
Base	Wall Mount
Lead	150mm
Plug	N Female
Code	ANT473







## YAGI DIRECTIONAL NEXT-G 850MHz

### 15dB NEXT-G 850MHz

825-890MHz Next-G network yagi super directional "N" female terminal. Includes pole mount kit.

#### ALUMINIUM BLACK

#### STAINLESS STEEL

Type	Next-G 850	Type	Next-G 850
Gain	15dB	Gain	15dB
Length	1550mm	Length	1550mm
Base	Pole Mount	Base	Pole Mount
Plug	"N" Female	Plug	"N" Female
Code	ANT465	Code	ANT437

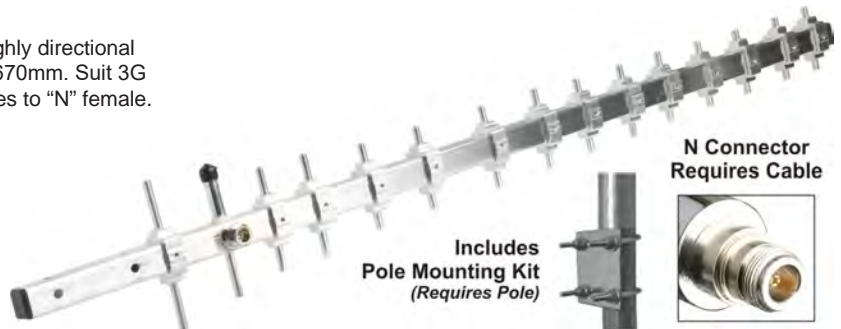


## YAGI DIRECTIONAL - 3G

### 15dB 3G 2.1GHz

2050-2150MHz 30W 670mm strong alloy long life highly directional 15dB yagi antenna. Transmits 30W max. 50Ω 590g 670mm. Suit 3G phone network & 2.1GHz communications. Terminates to "N" female. Includes pole mount kit.

Type	3G-2100
Gain	15dB
Length	670mm
Base	Pole Mount
Plug	"N" Female
Code	ANT467



## YAGI DIRECTIONAL - GSM 900MHz

### 15dB GSM900 ANTENNA

890-960MHz bandwidth strong alloy long life highly directional 15dB aluminium yagi antenna. Transmits 30W max. Impedance 50W input. Suit GSM cell networks. Length 1500mm. Terminates to "N" female. Includes pole mount kit.

Type	GSM900
Gain	15dB
Length	1550mm
Base	Pole Mount
Plug	"N" Female
Code	ANT460



## CELLULAR WIDE BAND LOG PERIODIC ANTENNA GSM/NEXT-G/3G/4G/LTE NETWORKS

### 16dBi - 14dBi HIGH GAIN DIRECTIONAL 824MHz - 2500MHz WIDE BAND SUITS ALL AUSTRALIAN CELLULAR & WIRELESS INTERNET NETWORKS

This alloy antenna has pre-attached cable and FME-Female plug for easy installation and minimal loss. Choose between cable type, length and plug. Aluminium construction made in Australia. Mast U-Bracket included for pole mount. Vertical/Horizontal polarised. Logarithmic Periodic with 50 elements.

Element	50
Gain	16-14dBi
Freq.	824-1000MHz 1700-2170MHz
Ratio	>25dB
Polarised	Horiz. / Vert.
Horz.	48°
Vert.	60°
VSWR	<2.1:1
Power	10W
Length	1100mm
Imp.	50Ω

Cable	RG58CU	LL195	LL195
Length	8M	11M	0.4M
Plug	FME-Female	FME-Female	N-Female
Code	ANT455	ANT456	ANT457







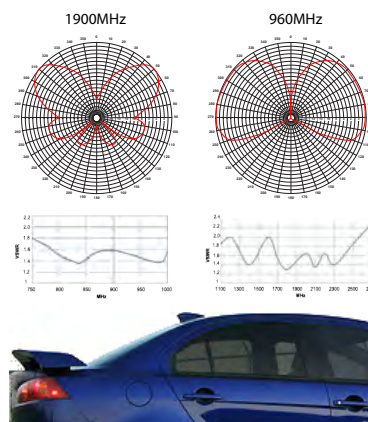
## AVL & GPS

### AVL GPS & CELLULAR SHARK FIN

#### TWO IN ONE HOOD MOUNT

Multi-band antenna operating in the 820-960MHz and 1710-2500MHz bands for all mobile phone coverage plus also incorporates an active GPS antenna. ABS radome is ideally suited to applications where a low profile and rugged construction is required. Exits 2x leads LL195/LL100 5M each to both same plug type. GPS requires phantom power 3-5Vdc. Made in Australia.

Gain	820-960MHz[5dbi]
	1710-2500MHz[6dbi]
	1575.42MHz[28dbi]
Size	44x182x85mm[h]
Plug	SMA x2      Fakra x2
Benelec	0294206    0294206F
Code	ANT528      ANT535



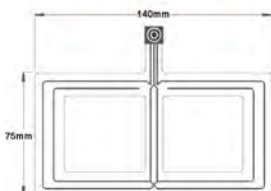
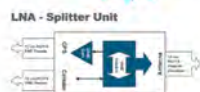
**BENELEC**

### AVL GPS & CELLULAR CLEAR

#### MULTI-BAND WINDOW MOUNT

Transparent window discreet sticker type. Two full wave loops. Antenna gain is 4.5dB. Clear polyester mylar. Mount on a windscreen with "3M-467" Epoxy adhesive. Active GPS Booster for High performance 27dB. Phantom powered 3/5Vdc. Includes 3M RG174 coax. Terminates to FME plug GPS 1575.42MHz  $\pm 2$ MHz. Also includes cellular phone reception with a separate antenna connect GSM1800 GSM900 Next-G 4.5dB. Includes 1M RG58 coax. Terminates to FME plug. 140x75mm clear flexible. Exceptional performance. Innovative design.

Type	Code
GPS + Cellular	ANT921
GPS Only	ANT920



**BENELEC**

### AVL GPS & CELLULAR SURFACE MOUNT

#### TRI-BAND GPS 26dB & GSM

Low profile 20x115mmØ Both GPS and Cellular In one compact unit Cellular GSM900 0dB Cellular GSM1800 0dB Satellite GPS 5dBi Active GPS Booster 27dB Weatherproof Radome White polycarbonate 16mm Hold mount Up to 6mm Thick Grommet sealed Phantom powered 3.3Vdc to 5Vdc 20mA **GPS** lead 4.5M RG174 coax Terminates to SMA plug GPS 1575.42MHz  $\pm 2$ MHz 27dB with 2dB Noise max. **GSM** lead 4.5M RG58 Terminates to TNC Male Compact Size 20x115mmØ Benelec 0294303

Code	ANT507
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**BENELEC**

### AVL GPS & CELLULAR ANTENNA

#### CONCEALED ACTIVE

Unity gain, multi band concealed antenna suited for use in all cellular bands include GSM, GPRS, Next G, WCDMA, UMTS & PCS plus a built-in high performance active GPS antenna. Includes 2.5 metres of low loss cable and SMA male connectors for each feed. Designed to be mounted on the inside of the vehicle in concealed locations, optimised to operate in free space.

Gain	3dB/5dB
Length	198x36mm
Type	AVL GPRS NEXT-G 850 GSM900-1800 LTE 4G 3G-2100
Colour	Black
Lead	2.5Mx LL195 + LL100
Plug	2x SMA
Benelec	0294208
Code	ANT538

**BENELEC**



### AVL GPS & CELLULAR GLASS MOUNT

#### TRI-BAND THROUGH-GLASS ANTENNA

GSM, GPRS, 3G, Next-G, WCDMA, UMTS & PCS. Benelec Unity gain, Multi band Glass Mount Unity gain ALL cellular phone bands. This antenna also incorporates a high performance active GPS antenna. Designed to be mounted on the inside of the vehicle front windscreen. Cellular 820-960MHz 1710-2200MHz 0dB LL195 2.5M SMA-Male GPS 1575.42MHz 5dBi Antenna 28dB amplifier 3-5Vdc Phantom LL100 2.5M SMA-Male 198x36mmØ 100g **GPS & TERRESTRIAL**

Code	ANT514
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#### WITHOUT GPS

Terrestrial bands only

Code	ANT515
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**BENELEC**







## AVL GPS ANTENNA GLASS MOUNT

### DUAL-BAND 27dB

Antenna 5dBi gain active GPS booster high performance 27dB. Designed for internal mounting protection. Low profile through-glass ideal for windscreens. Quality radome cased phantom powered 3.3/5Vdc. Includes 4.5M RG174 coax. Terminates to SMA plug GPS 1575.42MHz  $\pm 2$ MHz 27dB with 2dB Noise max. Compact Size 51x41x22mm Benelec 0294101.

Code  
ANT501



## AVL GPS ANTENNA SURFACE MOUNT

### GPS 1575MHz 26dB

Super compact 2.5"Ø antenna 5dBi gain. Active GPS booster high performance 27dB. Designed for roof mount. Low profile and compact roof, trunk or bulkhead. Weatherproof radome black 5/8" hole mount required. Phantom powered 3.3/5Vdc Includes 4.5M RG174 coax. Terminates to SMA plug GPS 1575.42MHz  $\pm 2$ MHz 27dB with 2dB noise max. Compact Size 20x50mmØ Benelec 0294104.

Code  
ANT503



50mmØ Hole  
20mm High 16mmØ



## AVL GPS ANTENNA MAGNETIC

### MINI-EXTERNAL ACTIVE ANTENNA

1575.42MHz Bandwidth  $\pm 5$ MHz Peak Gain 3dBic (7cm° Ground plane) Coverage Gain -4dBic at  $\pm 90^\circ$  RHCP LNA Gain 28dB Typical (Filtered) VSWR 2.0 with 3 Metres RG174 Terminated to SMA (male) Magnetic base 100% Weather proof ABS 40x35x15mm Benelec 0294105

Plug Code  
SMA ANT504



## AVL GPS ANTENNA BLUETOOTH

### AERPRO ANTENNA

Suit portable applications. Bluetooth wireless. With Inbuilt 27dB booster. Rechargeable battery 16Hr, with car and mains charger. Inbuilt data modules. GGA, GSA, GSV, RMC, VTG. SiRF Star-III L1. 77x43x18mm 55g

Code  
GPS200



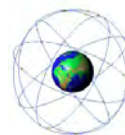
## AVL GPS ANTENNA ACTIVE RECEIVERS

### 1575MHz MAGNETIC BASE

Suit portable applications. RF plug types. With Inbuilt 27dB booster, phantom powered by USB or 12Vdc and have inbuilt data modules.

Chipset	Plug	Code
0294101	SMA	ANT501
024105	SMA	ANT504
SiRF	USB	GPS104
SiRF	Bluetooth	GPS200

DETAILS SEE SECTION 04  
DATA & COMPUTER



## AVL GPS ANTENNA CLEAR

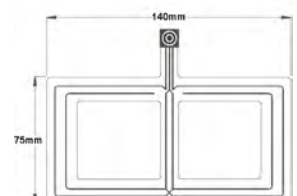
### WINDOW MOUNT 27dB

Transparent window discreet sticker. Two full wave loops. Antenna gain is 4.5dB. Clear polyester mylar. Mount on a windscreen. 3M 467 Epoxy adhesive gets stronger over time. Active GPS booster for high performance 27dB low noise output signal. Phantom powered 3/5Vdc. Includes 4.5M RG174 coax. Terminates to SMA plug GPS 1575.42MHz  $\pm 2$ MHz 140x75mm clear flexible. Exceptional performance. Innovative design.

Code  
ANT920

AVL GPS + CELLULAR  
Above antenna with additional cellular reception. GSM900/1800 & Next-G

Code  
ANT920







## Scanner

### SCANNER HAND-HELD 0.3M

#### 350mm SCANDUCKY

25MHz - 1300MHz  
BNC direct plug hand-held  
scanner broadband antenna  
UHF ¼ Wave and VHF & HF  
helical. Excellent performance  
tuned for Australian services  
specifically Air/Emergency/  
Commercial. Made in Australia.

Gain	Unity	Unity
Length	350mm	350mm
Colour	Black	Black
Type	Scanner	Scanner
Base	BNC	SMA
Mobileone	BNCSKAN	SMASCAN
Code	ANT872	ANT875



### SCANNER WHIP ANTENNA 0.9M

#### 900mm LAND-MOBILE

Wideband Scanner  
21MHz - 900MHz.  
Epoxy. Mobile Antenna.  
Heavy Duty whip.

Gain	21MHz-900MHz Unity
Length	900mm
Colour	White
Type	Scanner
Base	5/16"
OEM	02627
Brand	Benelec
Code	ANT417



**BENELEC**

### SCANNER WHIP ANTENNA SCATX 1.0M

#### 1000mm Mobile One SCATX

25MHz - 1300MHz Broadband Heavy Duty  
Fibreglass Omni whip. True 50Ω Impedance @  
40/72/120/468MHz UHF. Collinear VHF & HF  
Helical Double 5/8th Wave. Heavy Duty whip  
Pre-Tuned 5dB. Made in Australia for Australia  
1000mm plus Base 5/16"

Note. Requires UHF Base. Not to be used with  
accessories like a spring or quick disconnect  
base, etc. Antenna can be mounting under a  
gutter upside down

Gain	35MHz to 55MHz = 2dB 70MHz to 80MHz = 2dB 118MHz To 136MHz = 2dB 460MHz to 480MHz = 4.5dB
Length	1000mm
Colour	Black
Type	Scanner
Base	5/16"
OEM	SCATX
Brand	Mobileone
Code	ANT871

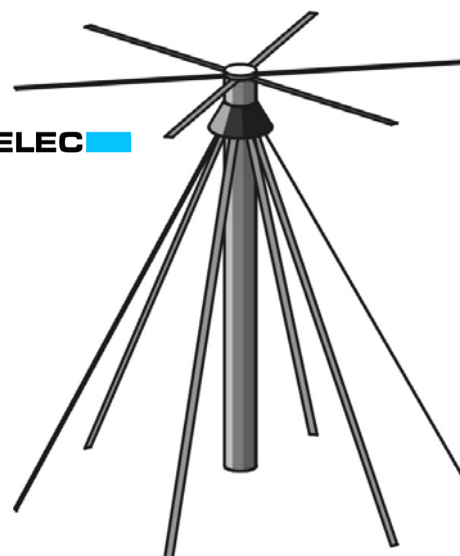


### SCANNER BASE STATION DISCONE

#### DOUBLE SIX ELEMENT 60MHz - 1000MHz

Scanner type Antenna 1000mm in height and 900mm in Diameter.  
1.8dBi Gain Omni. Stainless steel & brass fittings long life Benelec.

Gain	1.8dB
Length	1000mm
Type	Scanner
Base	Pole Mount
OEM	02675
Brand	Benelec
Code	ANT418



**BENELEC**

### SCANNER WHIP ANTENNA SCATX-LOW 1.2M

#### 1200mm QUAD BAND 35MHZ TO 440MHZ

Designed especially for UHF & Low band VHF  
Commercial Bands, Airband, and in some cases can  
also be used as a transmitting antenna on the following  
frequencies 415MHz 4.5dB gain, 124MHz 2.14dB gain,  
73MHz unity gain and 40MHz 1/4 wave, the SCATX  
is resonant at these frequencies with a SWR <1.5:1.  
Note: You should NOT use a spring with this antenna.

Type	Scanner
Gain	35MHz to 55MHz = 2dB 70MHz to 80MHz = 2dB 118MHz To 136MHz = 2dB 400MHz to 440MHz = 4.5dB
Colour	Black
Length	1200mm
Base	5/16"
Mobileone	SCATXLOW
Code	ANT880







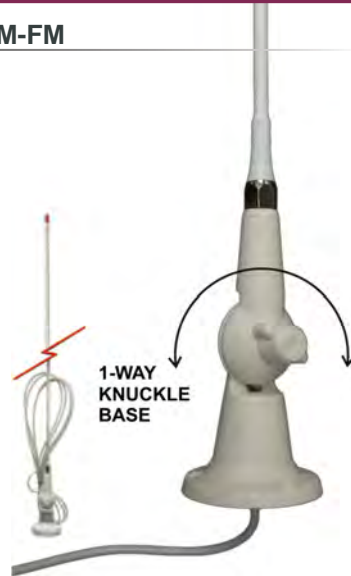
## Marine

### BOAT WHIPS 27MHZ / AM-FM

#### WITH DECK BASE

Flexible Fibreglass Whips.  
Ground independent.  
Includes 12ft Coax. Cable entry is through the base centre. Deck or gunwale mount. Quick tilt & lock base. All parts are off-white Salt water resistant. Chromium steel fittings.

Length	1390mm	1100mm
Colour	White	White
Type	27MHz	AM/FM
Base	Deck Mount	Deck Mount
Lead	4M	4M
Plug	PL259	Car Radio
Code	APM01	APM03



### BOAT WHIPS 1.8M MATCHING RANGE

#### 1" BASE + ELEVATED FEED & 5M COAX

6 Foot 1.8M Salt water resistant  
Heavy duty radome Fibreglass.  
Chrome plated brass fittings.  
Ground independent Antenna.  
All are consistent appearance for multiple antenna mounting.  
1" Threaded base. Side cable entry. Includes 5 metres coax connected. May require a connection plug or adaptor.

**BENELEC**



### BOAT WHIP VHF MARINE BAND

#### 900mm 156MHz to 162MHz

Unity gain 3dB marine band for boat mast mount or cabin mount with 90cm whip. Long-life robust weather proof stainless steel Delrin protected UHF PL259 socket. Requires lead Benelec 02522.

Gain	3dB
Length	900mm
Colour	Steel
Type	Marine
Base	SO239
Benelec	02522
Code	ANT600



**BENELEC**

Type	27MHz	Marine VHF 156-162MHz	NEXT-G 850 GSM900 GSM1800 LTE 4G 3G-2100	AM/FM	UHF
Length	1800mm	1800mm	1800mm	1800mm	1800mm
Gain	2dBi	3dBi	3dBi	3dBi	3dBi
Colour	White	White	White	White	White
Base	1"	1"	1"	1"	1"
Lead	RG58CU x5M	RG58CU x5M	LL195 x5M	RG62A x5M	RG58U
Plug	PL259	No Plug	FME	No Plug	No Plug
Benelec	02129	02523	02462	02362	02662
Code	ANT601	ANT602	ANT603	ANT605	ANT606

### TWO-WAY KNUCKLE

Glass filled white nylon salt water proof. Locking arm. Tilts forward, back and side to side. 1" Stud mount.

Code  
MAB1

**BENELEC**



### RAIL MOUNT KNUCKLE

#### DECK MOUNT 1" STUD

Premium grade polished stainless steel. Locking arm. Tilts forward and back. 1" Stud mount.

Code  
MAB5

**BENELEC**



### TWO-WAY KNUCKLE BRASS CHROME

#### DECK MOUNT 1" STUD

Chrome plated solid brass. Locking arm. Tilts forward, back and side to side. 1" Stud mount.

Code  
MAB4

**BENELEC**



### MOUNTING STRIP TO SUIT

Stainless steel used on boat masts.

Hole	17mm
Size	340mm
Code	MMM1

More strips available.  
See following pages.



### TWO-WAY KNUCKLE STAINLESS STEEL

#### DECK MOUNT 1" STUD

Premium grade polished stainless steel. Locking arm. Tilts forward, back and side to side. 1" Stud mount.

Code  
MAB3

**BENELEC**



### THREADED 1" STUD

Hollow 1" [to 5/8" & Nut]

Code  
CBA275

**BENELEC**







# Communications

## AM/FM

### AM/FM ANTENNA 0.3M

#### FIBREGLASS WHIP

Antenna receiving AM & FM frequencies of AM 525kHz to 1.6MHz and FM 88 to 108 MHz. Available as whip only or with an included base and 1.6M fly lead to standard car antenna plug.

Length	285mm	285mm
Colour	Black	Black
Type	AM/FM	AM/FM
Base	Common	5/16"
Lead	RG62AU x1.6M	Whip Only
Mobileone	M4P	M4W
Code	ANT884	ANT883



### AM/FM ANTENNA 1.5M

#### FIBREGLASS WHIP

Antenna receiving AM & FM frequencies of AM 525kHz to 1.6MHz and FM 88 to 108 MHz providing 2dB Gain on FM.

Length	1550mm
Gain	2dB
Colour	Black
Type	AM/FM
Base	5/16"
Plug	Nil
Lead	Whip Only
Mobileone	M2W
Code	ANT881

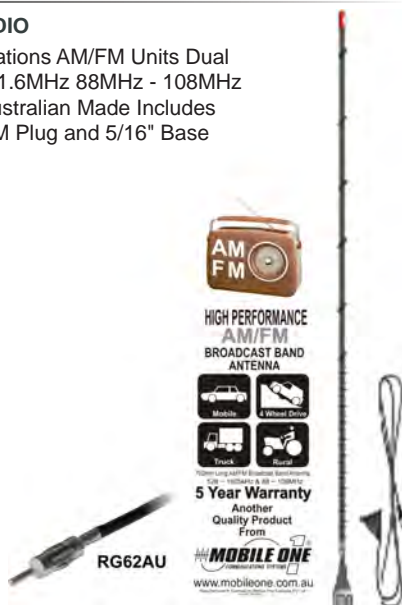


### AM/FM ANTENNA 1.0M

#### 950mm BROADCAST RADIO

Tune into common radio Stations AM/FM Units Dual band tuned whip 526KHz - 1.6MHz 88MHz - 108MHz Flexible weatherproof All Australian Made Includes 1.6M of coax Joined. AM/FM Plug and 5/16" Base MobileOne M3P

Length	950mm
Colour	Black
Type	AM/FM
Base	5/16"
Plug	Car AM/FM
Lead	Whip Only
Mobileone	M3W
Code	ANT810



### AM/FM ANTENNA 1.2M

#### FIBREGLASS WHIP

Antenna receiving AM & FM frequencies of AM 525kHz to 1.6MHz and FM 88 to 108 MHz.

Length	1200mm
Colour	Black
Type	AM/FM
Base	5/16"
Lead	Whip Only
Mobileone	M5W
Code	ANT885



### AM/FM BOAT WHIP

#### 1100mm BROADCAST RADIO

Tune into common radio stations AM/FM. Tilt Base Swivel for deck or gunwale mount, antenna removable. Ground-Independent for Fibreglass or wooden boats. Flexible weatherproof. All Australian Made. Includes 3.6M of coax Joined. AM/FM Plug.

Length	1100mm
Gain	2dB
Colour	White
Type	AM/FM
Base	Deck Mount
Plug	Car Radio
Lead	4M
Code	APM03



### FRACARRO FM ANTENNA

Italian made FM antenna, omnidirectional reception. May also be used in MATV and SMATV installations.

Bandwidth: 87.5 -108 MHz  
Maximum gain: 2.1 dBi  
Return loss: -16dB  
Beamwidth (-3dB): 360°  
Wind load at 120Km/h: 29.43 Kg (N)  
Connector type: F type  
Impedance: 75 Ohm  
Maximum mast Ø: 60 mm  
Dimensions: 96x77 (H x L) cm  
Unit weight: 0.9 kg  
Saddle, screw and bracket are included

Code	ANT1200A
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## □ DAB + DVB (TV)

### DAB+ DIGITAL RADIO ANTENNA - DIGITEK

For maximum DAB+ radio signal and to reduce the interference of other frequencies, then go for the DAB+ folded dipole. This antenna gives more DAB+ response for its size, than many of the Band 3 VHF antennas due to its design; it has been specifically manufactured to perform best at the frequency range for the Australian DAB+ radio signals. (See Table A). The vast majority of sites in Australia (which are within a DAB+ transmission area) will get a perfectly acceptable DAB+ signal from this antenna.

Tight frequency response across the DAB+ channels. (See Sweep Graph A) 360mm boom to prevent interference and reflections from the mast. Sturdy construction, dipole and balun are fixed to boom. Good for high wind locations. Vertically mounted boom. PCB balun with F Type connection.



Code  
ANT-DAB1



### DIGITAL TV & DAB WHIP 3dB 950mm

#### GROUND INDEPENDENT BULL BAR MOUNT

1/2 wave, 3dB gain, ground independent, 75Ω impedance antenna that is designed specially for both Digital TV and Digital Radio. It has stainless steel spring base with a 1/2" mounting bolt. Suitable for mounting almost anywhere on a vehicle. 4 metre fly lead, no connector. 69-220MHz, 510-550MHz.

Length	950mm
Gain	3dB
Colour	White
Type	DAB+ DVB
Base	Spring to 1/2"
Lead	4M RG59
Mobileone	SAN206W
Code	ANT848WH



### DAB+ DIGITAL AUDIO BROADCASTING

#### DIGITAL RADIO CAN USE DIGITAL TV ANTENNAS

Digital radio using the Digital Audio Broadcasting Plus (DAB+) system operate in the VHF Band III. Specifically, services are currently operating on frequencies in the range 202-212 MHz.



### ANTENNA MOUNTING SOLUTIONS

#### SEE SECTION 01 TV/AV/SAT INSTALL



Our range of DVB antennas for Digital TV are also suitable for DAB+ reception. See DVB Antennas...

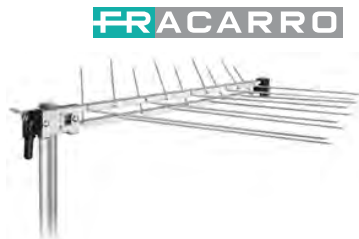




## LPV DIGITAL (III+UHF) 11dB 9 ELEMENT

VHF/UHF Digital & Analogue reception.  
Mounts both horizontally and vertically.  
Bands 3,4 & 5 Channels 6 - 69 AU  
VHF 174-230MHz / UHF 470-862MHz  
Maximum gain 9dBi / 11.5dBi  
Front-to-back ratio 24dB / 32dB  
Return loss -18dB / -18dB  
Beamwidth (-3dB)  $\pm 23^\circ$  /  $\pm 21^\circ$   
Wind load @120km/h 3.9Kg  
75 ohm. U-Bracket Included.  
750(L)x790(W)mm 800g  
Saddle & Screw (S&S)  
Coax or "F" Connection

Plug "F"  
Code LPV345F



## VHF 11DB YAGI - FRACARRO

Excellent gain, ease of installation and transport thanks to the elements folding. Optimised for Australian Digital TV, it is designed to pass all Australian channels from 6 to 12, thus it could deliver reliable TV reception even in difficult reception areas. F connector termination and mast bracket suitable for horizontal or vertical polarity installation with a tilt adjustment. Folding 8mm elements and split boom make it easy to carry and install.

Band VHF-III  
Channel CH6-12  
Gain 11dB  
Back 25dB  
Plug "F"  
Size 1200x860mm  
Code TERZA6HD  
Packaged



## LP DIGITAL (III+UHF) 11dB 16 ELEMENT

Fracarro. Italian made Log-periodic antenna. Highly directional with low return losses. VHF/UHF Digital reception. Mounts both horizontally and vertically. Bands 3,4 & 5 Channels 6 - 69 AU.  
VHF 174-230MHz / UHF 470-862MHz.  
Maximum gain 9dBi / 11dBi.  
Front-to-back ratio 24dB / 32dB.  
Return loss -13dB / -13dB.  
Beamwidth (-3dB)  $\pm 34^\circ$  /  $\pm 31^\circ$ .  
Wind load @120km/h 3.9Kg.  
75 ohm. Saddle & Screw.  
U-Bracket Included.  
1110(L)x860(W)mm 1Kg

Plug "F"  
Code LP345F



## UHF 17DB TRIBEAM - DIGITEK

Engineered and tested for the best possible DVB-T reception with high quality manufacture and very economical. Vertical or Horizontal Polarity capable. UV Stabilised and temperature tolerant plastics with extra strength and durability. Heavy Duty U Bolt and Clamp included.

Band UHF 4 & 5  
Channel CH21 - CH69  
Gain 16.5dB  
Back 30dB  
Plug "F"  
Size 340x340x1040mm  
Code BUTRIF  
Packaged



**DIGITEK**  
Complete Digital Solutions

## LP DIGITAL (UHF) 11dB 14 ELEMENT

Highly reliable materials and construction. "F" Connection is protected with a bayonet clamp. Optimised for all Digital TV stations DVB-T. Heavy-duty clamp resists rotation & slippage. Mounts both horizontally and vertically. UHF Band Channels 21-69 470-862MHz.  
Maximum gain 11.5dBi.  
Front-to-back ratio 36dB.  
Return loss -11.5dB  
Beamwidth (-3dB)  $\pm 25^\circ$ .  
Wind load @120km/h 3.0Kg.  
75 ohm. U-Bracket Included.  
1150(L)x860(W)mm 800g.  
"F" Socket.

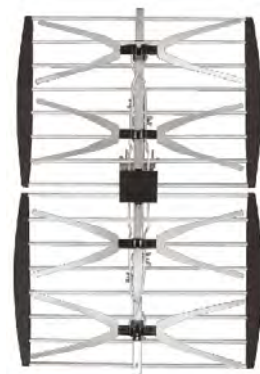
Plug "F"  
Code LP45F



## UHF 14DB PHASED ARRAY - KOOKABURRA

Designed for fringe area reception where a Kookaburra may land on your antenna. Excellent ghost rejection in a high gain antenna for laughing birds.

Band UHF 4 & 5  
Channel CH28 - CH69  
Freq. 550-800MHz  
Gain 10-14dB  
Back 16dB  
Size 800mm  
Code AKPA2  
Packaged

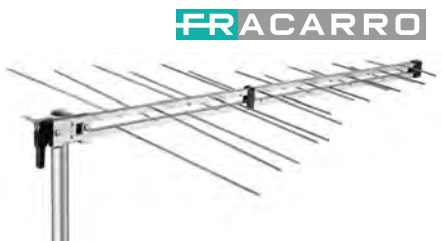


## FRACARRO DIGITAL 15 ELEMENT 9dB

The compact Log Periodics antenna comes with similar performance to the LP345F but in a smaller size. With 8.5dB Gain on VHF, and 9.5dB Gain on UHF, it is ideal for metropolitan areas all around Australia.

Channels: VHF: 6-12 b3, UHF: 28-69 b4&5  
Gain: VHF: 8.5dB, UHF: 9.5dB  
F/B Ratio: VHF: 22dB, UHF: 30dB  
Boom length: 770 mm  
Connector: F Socket

Plug "F"  
Code LP345MF



## DIGILOG DIGITAL & ANALOGUE 8dB 16 ELEMENT

### DIGITAL LOG PERIODIC ANTENNA

Wide bandwidth for reception of VHF/UHF Digital & Analogue TV Pre-assembled and box packaged RoHs compliant. 10 Year warranty. Universal bracket included mounts both horizontally and vertically Bands 3,4 & 5 Channels 6 - 69 AU VHF 174-230MHz / UHF 470-862MHz Maximum gain 7.5dBi / 8.5dBi

Code DIGILOG







## WiFi Antenna Active

### WIFI ACCESS POINT CEILING TP-LINK N600

#### DUAL BAND 2.4GHZ & 5GHZ

4x MIMO, PoE option.  
Gigabit Ethernet Input.  
48x180mmØ Dust Proof

Brand	TP-Link		
Size	48x180mmØ		
Speed	300M	N600	
Gain	2x4dBi	4x4dBi	
Freq.	2.4GHz	2.4GHz 5GHz	
Code	EAP120	EAP220	



### WIFI ACCESS POINT CEILING

#### 300M PoE OMNI - EDIMAX

Multiple modes; Access point, WDS Point to point, WDS Point to multiple points, and repeater. LAN (with/without PnP). Includes power pack for local power. Ceiling mount with indicators.

Brand	Edimax		
Size	46x105mmØ		
Speed	300Mbps		
Freq.	2.4GHz		
Code	EW-7428HCN		



### WIFI ACCESS POINT PoE TP-LINK

#### 2x2 MIMO 9dBi/13dBi DIRECTIONAL

TP-LINK's 5.0GHz or 2.4GHz 300Mbps Outdoor CPE for wireless networking. With its centralized management application, it is ideal for point-to-point, point-to-multipoint and outdoor Wi-Fi coverage applications up to 5Km/15Km. PoE

Brand	TP-Link			
Size	224x79x60mm			
Speed	300M			
Freq.	2.4GHz	2.4GHz	5GHz	5GHz
Gain	9dBi	13dBi	13dBi	16dBi
Tx.	½W 27dBm	1W 30dBm	¼W 23dBm	½W 27dBm
Code	TL-CPE210	TL-CPE220	TL-CPE510	TL-CPE520



### WIFI ACCESS POINT PoE

#### N-TYPE CONNECTOR

PoE Ethernet RJ45 Input.  
IP55 weather resistant.  
IEEE 802.11 b/g/n. 150Mbps.

Speed	150M		
Band	802-11b/g/n		
Freq.	2.4GHz		
Gain	8dBi		
Size	228x64x61mm		
Plug	RJ45		
Brand	Level1		
Code	WAB-6120		



## WiFi Antenna

### WIRELESS ETHERNET WIFI

#### INDOOR & OUTDOOR

2.4GHz - 2.5GHz  
Suits most WiFi channels\*  
to boost coverage and  
strengthen data transfer speed  
and reliability.

5.0GHz  
\*Becoming more popular as  
radio communications expand.

Check your manual to see  
which frequency your device  
requires.



### WIFI INDOOR OMNI 5dB

#### TP-LINK WHIP 5dB

Omni-Directional 2.4-2.5GHz 5dBi SMA Reverse Plug  
1M Cable length VSWR 1.92 max 1W

Band	802.11b/g		
Freq.	2.4GHz		
Plug	SMA-RP		
Lead	1.3M		
Brand	TP-Link		
Size	195mm	201mm	
Gain	5dBi	8dBi	
Code	ANT2405C	ANT2408C	



### WIFI INDOOR OMNI & BASE

High gain antenna with elbow joint Direct SMA-RP connection or  
Desktop mount kit includes base.

Band	802.11b/g		
Freq.	2.4GHz		
Plug	SMA-RP		
Lead	1.5M		
Brand	Cellink		
Gain	13dBi	9dBi	
Size	400mm	330mm	
Code	ANT2552	ANT2551	



### WIFI INDOOR OMNI

High gain antenna upgrades  
with elbow joint for right angle  
Direct SMA-RP connection.  
Suit modems & cards, etc.

Band	802.11b/g			
Freq.	2.4GHz			
Plug	SMA-RP			
Brand	Cellink			
Gain	13dBi	9dBi	7dBi	5dBi
Size	400mm	330mm	280mm	200mm
Code	ANT2556	ANT2555	ANT2554	ANT2553







# Communications

## WIFI INDOOR DESKTOP

### DUAL-BAND

Compact desktop directional for extra distance

Band	802.11b/g/n
Freq.	2.4GHz & 5GHz
Gain	6dBi & 8dBi
Size	100mm
Plug	SMA-RP
Lead	1M
Brand	Level1
Code	WAN1160



## WIFI INDOOR UNI

### TP-LINK PANEL 6dB

150mm tall Directional Desk or wall mount.

Band	802.11b/g
Freq.	2.4GHz
Gain	6dBi
Size	150mm
Plug	SMA-RP
Lead	1M
Brand	TP-Link
Code	ANT2406A



## WIFI ANTENNA OUTDOOR UNI 9dBi

### TP-LINK PANEL 9/14dB

Directional (Yagi) 2.4-2.5GHz 9dBi  
SMA Reverse / "N" 1M Cable length  
VSWR 1.92 max 1W

Band	802.11b/g
Freq.	2.4GHz
Brand	TP-Link
Gain	9dBi
Lead	1M
Plug	SMA-RP N Female
Code	ANT2409A ANT2409B



## WIFI ANTENNA OUTDOOR UNI 8.5dB

### LEVEL-ONE 8.5dB

Indoor / Outdoor panel Uni-  
Directional 70 2.4-2.7GHz 8.5dBi  
120x120x43mm Beige Weather  
resistant. 0.3M Lead inc. "N"  
Range 350M (54Mbps)

Band	802.11 b/g
Freq.	2.4GHz
Gain	8.5dBi
Size	120x120x43mm
Lead	0.3M
Brand	Level1
Code	WAN-2185



## WIFI ANTENNA OUTDOOR UNI 14dBi

### TP-LINK PANEL 9/14dB

Directional (Yagi) 2.4-2.5GHz 14dBi  
SMA Reverse Plug 1M Cable length  
VSWR 1.92 max 1W

Band	802.11b/g
Freq.	2.4GHz
Brand	TP-Link
Gain	14dBi
Lead	1M
Plug	SMA-RP N Female
Code	ANT2414A ANT2414B



## WIFI UNI PANEL 18dBi

Directional Panel Outdoor Antenna provides outdoor WiFi spots, hotspots and RFID reception areas with extended wireless network access to 802.11b, 802.11g and 802.11n wireless local area networks.

Band	802.11b/g/n
Freq.	2.5GHz
Gain	18dBi
Size	365x365mm
Plug	N Female x1
Brand	Level1
Code	WAN-2181



## WIDE BAND ANTENNA INDOOR PANELS

### WIDE-BAND 10dBi

Indoor wall mount flat panel type.  
White 210x180x44mm 50W. Max  
power Gain is 7dBi-10dBi

Freq.	824-960MHz + 1.7-2.5GHz
Gain	10dBi
Size	210x180x44mm
Plug	N Female
Brand	Cellink
Code	ANT472



## WIFI UNI PANEL 5GHz

Outdoor Antenna is made of non-corrosion materials, is weatherproof with lightning surge protection. 5GHz Dual Polarisation (Dual input).

Band	802.11b/g/n	802.11b/g/n
Freq.	5GHz	5GHz
Gain	15dBi	18dBi
Size	165x140mm	256x227mm
Plug	N Female x2	N Female x2
Brand	Level1	Level1
Code	WAN-9150	WAN-9180







## WIFI ANTENNA 5GHZ TP-LINK

### OUTDOOR PANEL

Long distance point-to-point connection, providing stable wireless links.

Band	802.11a/n
Freq.	5GHz
Gain	23dBi
Size	320x320x20mm
Plug	N Female
Brand	TP-Link
Code	ANT5823B



## WIDE BAND BRIDGING ANTENNAS

### DIRECTIONAL OUTDOOR

Outdoor weather proof. Fibreglass radome pole mounting kit. Short fly-lead output.

Freq.	698-960MHz + 1.7-2.7GHz
Gain	8.5dBi-10.5dBi
Size	400x210x64mm
Plug	N Female
Lead	150mm
Brand	Cellink
Code	ANT476



## WIFI ANTENNA OUTDOOR UNI 12dB

### WALL MOUNT

20W Uni-Directional UV ABS Weather resistant. 200g. With window suction cups or screws.

Band	802.11b/g/n
Freq.	2.4GHz
Gain	11dBi
Lead	3M
Plug	SMA-RP
Size	330mm
Brand	Level1
Code	WAN1112



## WIFI OUTDOOR OMNI ANTENNA 12dBi/15dBi

### Wall or Post mount

Band	802.11b/g/n	802.11b/g/n
Freq.	2.4GHz	2.4GHz
Gain	12dBi	15dBi
Plug	N Female	N Female
Size	1200mm	1500mm
Brand	TP-Link	TP-Link
Code	TL-ANT2412D	TL-ANT2415D



## WIFI ANTENNA DUAL TYPE

### LEVEL-ONE 2T2R MIMO

2.4GHz Dual-Polarization to avoid interference. Wall mount. Optional Suction cup. Includes 3M UL-168 Cable SMA.

Band	11b/g/n
Freq.	2.4GHz
Gain	10.5dBi
Size	330x93x22mm
Plug	2x SMA-RP
Lead	3M x2
Brand	Level1
Code	WAN-7100



## WIFI OUTDOOR OMNI ANTENNA 10dB

### HEAVY-DUTY 50 WATT

Lightning Surge Protection.

Band	802.11a
Freq.	5.8GHz
Gain	10dBi
Type	Omni
Size	750mm
Plug	N Female
Brand	Level1
Code	OAN4101



## WIFI PARABOLIC GRID ANTENNA

### DIRECTIONAL BRIDGING

High-gain long-distance outdoor weather-proof directional connection.

Band	802.11b/g/n	802.11a/n
Freq.	2.4GHz	5GHz
Gain	24dBi	30dBi
Type	Uni	Uni
Size	60x100cm	60x90cm
Plug	N Female	N Female
Brand	TP-Link	TP-Link
Code	TL-ANT2424B	ANT5830B



## WIFI OUTDOOR OMNI ANTENNA 15dB

### HEAVY-DUTY 50 WATT

Heavy Duty Omni Rod 2.4-2.5GHz ISM Band radome Fibreglass "N" Female terminal Lead SMA Reverse 3M Clamps U-Bolt base 1860mm x 51mm

Band	802.11b/g/n
Freq.	2.4GHz
Gain	15dBi
Plug	N Female
Size	1860mm
Brand	Level1
Code	OAN2151







# Communications

## Communication Accessories

### ATTENUATOR -20dB

"N" 3GHz

"N" Male-Female Full  
bandwidth 50 Ohm DC-3GHz  
20dB Attenuation  
Benelec 17203N003

Code

RFL103



### ATTENUATOR 5W

50 Ohm dissipates up to 5W  
"N" Plug To "N" Socket  
DC-3GHz  
50x30mmØ

Attenuation Code

-3dB	RFL104
-10dB	RFL106
-20dB	RFL108
-30dB	RFL110



### ATTENUATOR 25W

50 Ohm dissipates up to 25W  
"N" Plug To "N" Socket  
DC-3GHz  
95x60mmØ

Attenuation Code

-3dB	RFL105
-10dB	RFL107
-20dB	RFL109
-30dB	RFL111



### "N" ADAPTORS

Type Code

M-M	N130
F-F	N135
"T"	N140



N130



N135



N140

MORE

### "N" 2 WAY CAVITY WIDE-BAND SPLITTER

This 2 way cavity signal splitter is used to distribute signals in cellular mobile communication and WiFi. It is suitable to be used in the wide band frequency between 800MHz - 2500MHz.

Code

N141



### PL259 DUMMY-LOAD

DC-600MHz 50Ω  
Non-Inductive  
1.15vswr  
30W(AVG)  
100W(PEP)

Code

RFL101



IMAGE MAY CHANGE FROM STOCK

### ANTENNA SWITCH PL259

UHF 600MHz

Premium grade cast-iron Wide  
band coax switch All SO239  
Sockets (x3) Negligible insertion  
loss Low SWR. DC-600MHz 500W  
50 Ohm. Isolation 60dB

Code

RFL120



### LIGHTNING ARRESTER

"N" INLINE WITH BRACKET

Replaceable gas capsules.  
Bulk head for panel mount.  
With earth lug & bracket.  
0.1dB insertion loss.  
Max power 200W  
DC to 2500MHz  
VSWR 1.1 to 1.2.1  
60x45x25mm. N Connectors  
INCLUDES 90V GAS CAPSULE

Code

RFL130



### GAS CAPSULE

Match to correct spark over-voltage to your system.  
Select from Transmitter wattage and system VSWR.  
BW = 0-1GHz (VSWR<1) 0-2.5GHz(VSWR<1.2).  
Keep some spares on site for reduced down time.



Volts	VSWR	1:1	1.2:1	1.5:1	3.0:1	Code
90V	28W	22W	20W	12W		RFL130-90
230V	180W	150W	110W	80W		RFL130-230
350V	500W	430W	320W	250W		RFL130-350

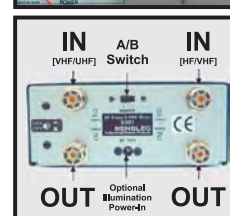
### VSWR & POWER METER

1.8MHz-525MHz 200W - BENELEC 0301

Measures SWR and POWER for optimum antenna tuning, etc. Peak-Envelope-Power SSB or Average. Transmitted & Reflected Power, switched. Operates on 12-15Vdc portable, or add a 240V PowerPack for illuminated operation, excellent for permanent installations. Two pair of PL259 connections for 1.8-180MHz & 140-525MHz. Power 5W 20W 200W 400W Semi-Professional full featured Large scale meter display. 1GL 1Bz 50F 150x65x100mm

Code

VSWR0301







## □ Antenna Bases

### CB BASE & LEAD

RG58U 3.6M Coax With 5/16" base

#### PL259 UHF PLUG

Type	Code
VHF	CBL12
UHF	CBL13



### CB BASE & LEAD

477MHz UHF Base and RG58 lead 5M to PL259 Plug. Aerpro.

Code
CBBL1



### CB BASE & LEAD FME

477MHz UHF Base and RG58 lead 5M. Separate FME to PL259 Plug. Aerpro.

Code
CBBL2



### SO239 BASE & LEAD

SO239 1/2" Base FME Male Plug LL100 0.4M Coax

Type	Code
UHF	CBL16

#### FME M-F

Length	Code
3.0M	CAL30
5.0M	CAL50
10M	CAL100



### SO239 BASE & LEAD

#### UHF CB BASE

SO239 Socket 5.0M RG58 Coax Suit 1/2" Hole Requires bracket Heatshrink sealed Benelec 10109 Plug FME Female

Length	Code
5.0M	CBL15



### STANDARD CB BASE 5/16"

Ground plane antenna base 1/2" Mounting Hole to 5/16"

#### VHF 110MHz

Brand	Code
Benelec	CBB2
MobileOne	BASEA

#### UHF 520MHz

Brand	Code
Benelec	CBB3



### PL259 ANTENNA ADAPTOR

PL259 Female to 5/16" Male Plug an antenna Direct into a SO239 Type Base With Delrin boot Solid brass bolt

Code
CBA272



### PL259 ANTENNA BASE 5/16"

#### GROUNDING SO239

5/16" Antenna to SO239 Socket. Wide bandwidth Suit UHF, etc. Premium grade long-life Delrin weather proof.

Code
CBB6



### SO239 ANTENNA BASE

Solder type for affixing PL259 antennas. Wide band UHF Stainless steel.

Code
CBB5



### HEAVY DUTY CB BASE 1/2"

1/2" Bolt through 15mm mounting hole to PL259 Plug. Suitable for 3 & 6ft heavy duty whips. Ground independent 1/2" through-bolt type. Large Delrin base.

Code
CBB4



### ANTENNA HOLE COVER

#### 20mm CAP

Block a hole where a car antenna was. Protects metalwork Stainless steel cap Rubber grommet no-scratch.

Code
CBA28







# Communications

## □ Antenna Mounting

### THREADED ANTENNA ADAPTOR

½" Female to 5/16" Male

Code  
CBA273



### BENELEC

### 5/16" TO 3/8" STUD ADAPTOR

Code  
CBA274



### BENELEC

### 5/16" TO 1/2" STUD ADAPTOR

Solid Brass

Code  
CBA270



### BENELEC

### 1/2" TO 1/2" STUD ADAPTOR

Stainless Steel

Code  
CBA271



### BENELEC

### HEAVY DUTY GPS BASE 1"

#### THREADED STUD 1" TO 5/8" WITH NUT

Hollow for coax. Suit marine antennas and some GPS antennas.

Code  
CBA275



### BENELEC

### SPRINGS FOR ANTENNA

High tensile steel springs  
Inbuilt shorting straps

#### 5/16" MALE-FEMALE

Width Code  
80mm CBS2

#### 1/2" FEMALE-FEMALE

Width Code  
105mm CBS3

#### 1/2" HEAVY DUTY !

Width Code  
120mm CBS6



### TAIL STRAPS

Anchor units in your vehicle, etc.

#### 170mm Long

Width	Code
19mm	TS17019
25mm	TS17025

#### 340mm Long

Width	Code
19mm	TS34019
25mm	TS34025



### SELF-AMALGAMATING TAPE

#### RUBBER BUTYL 40mm

Highly adhesive synthetic rubber & resin based tape cures to a single mass. Seals & waterproofs. Black 40mm x 5 Metres.

Code  
SAT140



### SELF-AMALGAMATING TAPE

#### RUBBER-RESIN SEALANT

This is a highly adhesive synthetic rubber and resin based tape that once applied cures into a single mass for sealing and weatherproofing Roll 10 Metres.

Size	Code
0.8x18.5mm	SFRT10



### MAGNETIC BASE 140mmØ

Large heavy-duty Benelec 02724.  
Soft Silicon Surface protector.  
Ground Plane Independent (GPI).

Base	SO259
Size	30x140mmØ
Weight	1.16Kg
Length	RG58CU x5M
Plug	PL259
Code	MB6



### SUCTION-CUP MAGNETIC BASE

#### 1520MHz 120mmO/D 15mmI/D

Super strong non-scratch UHF base  
Suction cap & magnet for extra grip.  
Black low-profile. Blank 15mm hole  
Suits CB, UHF, Mobile Phones, etc.  
Requires antenna attachment.

Code  
MB3

### BENELEC







## GUTTER MOUNT DELUXE

This new heavy duty style is now suitable for many types of communication bases (Not Inc.). SSB, CB, LEOS, UHF, VHF, Mobile, etc.... Tilts for garage access, etc.

Code  
GM12



**BENELEC**

## GUTTER MOUNT

Chromium plated Metal. Tough Long-life. Stainless steel Hardware. Grub screws hold gutter. Tilt/Locks adjustment. Suits most mounts.

Code  
CBA36



## GUTTER MOUNT STAINLESS STEEL

Benelec Stainless Steel Metal Tough Long-life Stainless steel Hardware Grub screws hold gutter Tilt/Locks adjustment Suits most mounts.

Code  
GM5



**BENELEC**

## BOOT-LIP MOUNT

### "S" SHAPED BRACKET

Benelec Black Metal designed for gripping the trunk lip of a boot. Grub screws hold. Rubber protected.

Code  
TLM5



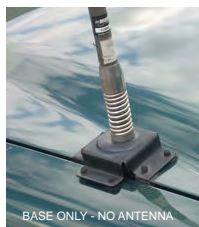
**BENELEC**

## BOOT LIP MOUNT

### STAINLESS STEEL

6 Rubber feet duco protect. 1/2" hole for antenna mounting. Space for cable feed. Stainless steel, clear or black powder coated.

Colour	Code
Stainless Steel	MB5
Black Coated	MB4



## MARINE DECK MOUNT BASE 1"

Deck mount base with 2 way tilt and 1" threaded bolt.

Type	Code
Nylon	MAB1
Brass Chrome Plated	MAB4
Stainless Steel	MAB3



**BENELEC**

## "L" BRACKET SHORT

### STAINLESS STEEL

Vehicle Boot/Bonnet or wall mounting. Fixed installation of GPI antennas. Hole 16mmØ with 5.5mm cable entry. Back plate 45x52mm. 25mm centre to back.

Code  
ZB37

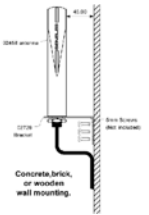


## "L" BRACKET MEDIUM

### STAINLESS STEEL

Wall mounting bracket 16mmØ Hole with 5.5mm cable entry. Back plate 45x52mm. 60mm centre to back

Code  
WB42



## "L" BRACKET

### 1" HOLE - STANDOFF IN mm

#### 135mm Black Benelec

Code  
WB40

#### 160mm Stainless Benelec

Code  
WB41

#### 150mm Black Aerpro

Code  
CBAWB2



## L BRACKET

Steel Wall Bracket 250mm Stand-Off 1/2" Antenna Mount Aerpro

Code  
CBAWB1



## MOUNTING STRAP

Stainless Steel Suitable outdoor like boat masts, etc. Antenna or base mount.

Hole	Size	Code
17mm	340mm	MMM1



**BENELEC**





# Communications

## MAST BRACKET RIGHT ANGLE 20-80MM

### GALVANISED STEEL

Heavy-Duty Right angle bracket.  
Holds poles from 20mmØ-80mmØ.  
Includes M12 bolts and washers.  
Poles shown for illustration (Not inc.)

Code  
BB107



POLES NOT INCLUDED

## MAST BRACKET RIGHT ANGLE - 50/40MM

### PERPENDICULAR 50/40

Stainless steel  
Benelec 02810S  
Mast 1 50mm  
Mast 2 40mm  
Angle 90

Code  
BB101



POLES NOT INCLUDED

## MAST BRACKET PARALLEL - 90/60MM

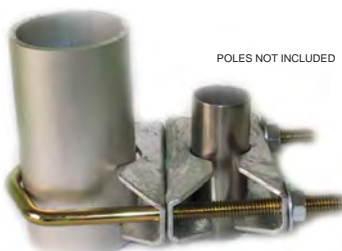
### PARALLEL 90/60

Poles 90mm & 60mm Benelec  
02811(S) Galvanised Steel.

Code  
BB102

### Stainless Steel

Code  
BB103



POLES NOT INCLUDED

## MAST BRACKET UNIVERSAL 32-55MM OR 9-20MM

### UNIVERSAL

Heavy-Duty Bracket. All  
Stainless steel. Benelec  
02815. 2x Poles 32-55mm  
and/or 9-20mm

Code  
BB104



POLES NOT INCLUDED

## POLE BRACKET PARALLEL 20-80MM

### GALVANISED STEEL

Heavy-Duty Parallel hold bracket.  
Holds poles from 20mmØ-80mmØ.  
Includes M12 bolts and washers.  
Poles shown for illustration (Not inc.)

Code  
BB108



POLES NOT INCLUDED

## POLE BRACKET UNIVERSAL

### ALL STAINLESS STEEL

Heavy-Duty Parallel or Right Angle.  
Boom pole from 32mmØ-110mmØ.  
Mast mount from 43mmØ-62mmØ.  
Includes M10 bolts and washers.  
Poles shown for illustration (Not inc.)

Code  
BB109



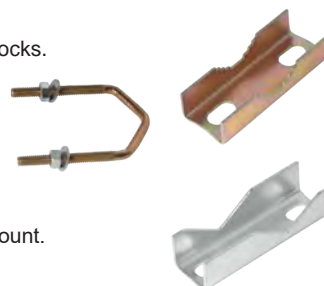
POLES NOT INCLUDED

## BRACKET BOLTS & BLOCKS

### SOLD SEPARATELY

Use the U-Bolt with three V-Blocks.

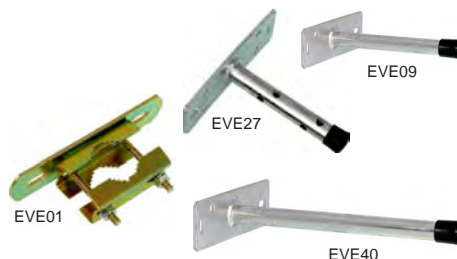
Description	Code
U Bolt & Nuts	UBM01
V Block Straight	VBL01
V Block Off-Set	VBL02



Off-set for 90° Perpendicular mount.

## EAVE & WALL BRACKETS

Length	Code
Flush	EVE01
22cm	EVE09
66cm	EVE27
100cm	EVE40



## MIRROR MOUNT 1"

Suit ~30mm diameter.

### Stainless steel

Code  
MM5

### Zinc Plated

Code  
MM4



POLES NOT INCLUDED

## BULL BAR BRACKET 2"

Suit mounting on 55mm horizontal poles such as bullbars, etc.  
"U" bolts have non-slip teeth. Suit most bases. Aus' made zinc.

Code  
BB35

### Stainless Steel

Code  
BB36



POLES NOT INCLUDED

## BULL BAR BRACKET "LEGAL"

New heavy-duty strap type 316  
Stainless steel made Suit most antenna  
bases 16mm antenna base hole Strap  
for max 2" pole 2 Holes Vert & Horiz.

Code  
BB32



POLES NOT INCLUDED

## BULL BAR BRACKET

Wrap around type

Size	45mmØ	50mmØ
Code	BB37	BB38







## BULLBAR MOUNT STRAP

CB Antenna bracket hose clamp type

Code  
CBBB2



## BULLBAR MOUNT U-BOLT

Horizontal mount bracket with U-Bolts.

Code  
CBBB4



## BULLBAR MOUNT ALLOY

Extruded alloy type. Horizontal or Vertical mount bar bracket. Includes nuts and bolts.

Code  
CBBB3



## BULLBAR MOUNT STEEL

Stainless Steel type. Horizontal or Vertical mount bar bracket. Includes nuts and bolts.

Code  
CBBB1



## BULLBAR BRACKET BLACK

Metal bracket strap for horizontal bullbar. Black anodised. Black screws.

Diam.	Code
45mmØ	CBBB45B
50mmØ	CBBB50B
63mmØ	CBBB63B
76mmØ	CBBB76B



## COMMODORE VE MOUNT

### BONNET PASSENGER SIDE

Code  
MPB1406



### BONNET DRIVERS SIDE

Code  
MPB1407



### BOOT MOUNT

Code  
MPB1408



## HOLDEN COLORADO BONNET

2011+

Code  
MPB1412



## FORD RANGER BONNET

FOR 2010 TO CURRENT MODELS

Code  
MPB1411



## ISUZU D-MAX

2012+

Code  
MPB1420



## JEEP GRAND CHEROKEE

2011+

Code  
MPB1414



## MAZDA BT-50 BRACKET

2011+

Code  
MPB1413



## NISSAN NAVARA D40 BRACKET

2011+

Code  
MPB1416



## TOYOTA HILUX BRACKET

2011+

Code  
MPB1415



## TOYOTA LANDCRUISER

2007+

Code  
MPB1418



## TOYOTA PRADO BRACKET

Code  
MPB1419



## VOLKSWAGEN BRACKET

2010+

Code  
MPB1417



## BONNET BRACKET - BENELEC

Stainless Steel

Code  
ZB36

Zinc Plated

Code  
ZB35



## BONNET BRACKET - AERPRO

Guard mount CB Antenna bracket. Angled universal Stainless Steel.

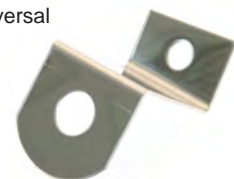
Code  
CBBU2



## UHF BRACKET - AERPRO

Guard mount CB Antenna bracket. Angled universal Stainless Steel.

Code  
CBBU1



## UHF BRACKET - AERPRO

Guard mount CB Antenna bracket. Double bend, angled universal Stainless Steel.

Code  
CBBV1



## UHF BRACKET - AERPRO

Guard mount CB Antenna bracket. Vertical angled universal. Stainless Steel.

Code  
CBBV2







# Communications

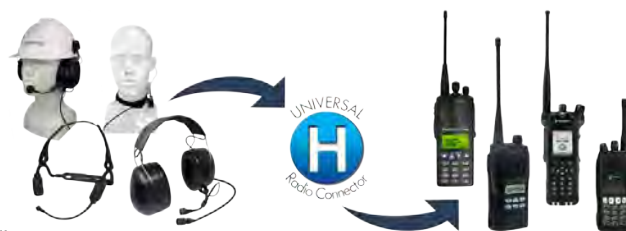
## □ "H" Earpiece Range

### "H" PLUG

#### UNIVERSAL RADIO AUDIO ACCESSORY SYSTEM FROM BENELEC

The H-Termination Adaptor has been designed to provide a range of universal audio accessories that are able to terminate to a wide range of radio brands and models. The H-Termination system provides mechanical strength at the termination to the radio while still providing the ability to quickly and easily change the audio accessory between shifts.

- Allows for a comprehensive range of Benelec high performance audio accessories and radio adaptors suitable for all major brands and models.
- Rapid and secure termination of accessories without affecting radio's audio port.
- Preserves the capital investment of accessories as radio changes can now be made, and new adaptors used.
- Unsecured radio audio connections have a cable tail to provide strain relief.
- The universal interface of H-Termination can now service multi-platform radio fleets.
- Carry less stock and sell customers different radio brands with one accessory.



H-Termination Adaptors Converts the Universal Plug into the following:

Plug	Brand	Models	Code
B2	Benelec	BLP400, Relm KNG	RPA2150B2
E4	Benelec	BL500	RPA2150E4
K1	Kenwood	TK-220/320, 240/340, 240D/340D, TK-208/308, 430/431, 250/350/353, TK-260/270, 260G/360G, 360/370, 270G/370G, 248/348, 2100/3100 Pro-Talk, 3101 FreeTalk XL, 2102/3102 Pro-Power.	RPA2150K1
K2	Kenwood	TK-280/290, 380/390, 480/481	RPA2150K2
M1	Motorola	GP300, CT450, GTX, SP50, P110, P1225, GP68, PRO3150, LTS2000 GP88, GP308, GP2000, P040, P80	RPA2150M1
M3	EF Johnson Motorola	5100, 7700 Series, HT1000, MTX838, MTX1000, JT1000, MT2000, MTS2000, XTS3000/Astro, MTX, XTS3500, XTS5000, MT2000, MTS2000, XTS3000, GP900, MTX1000, XTS2500, MTX8000	RPA2150M3
M4	Benelec Motorola	HT750, HT1250LS, HT1550XLS, MTX850LS, MTX950, MTX8250LS, MTX9250, PRO5150, PRO7150, PRO9150, PRO5350, PRO5450, PRO5550, PRO5750, PRO7350, PRO7450, PRO7550, PRO7750, GP328, GP338, GP329, GP339, PTX700, PTX760, PTX780, GP320, GP140, GP340, GP360, GP640, GP680, GP1280	RPA2150M4
M5	Motorola Simoco	EX500, EX600, GL2000, PRO5150elite, GP328plus, GP338plus, GP344, GP388	RPA2150M5
M7	Motorola	Mototrbo XPR6350/6380/6550/6580, APX4000/6000/7000	RPA2150M7
S1	Icom Maxon Uniden GME	IC-F3, IC-F3s, IC-F4, IC-F4s, IC-H2, IC-H6, IC-J12, IC-M5, IC-U12, IC-U16, SP-120/130/140, UH040, UH042, TX6000, TX7000	RPA2150S1
S2	Icom	IC-F3, IC-F3s, IC-F4, IC-F4s, IC-F21	RPA2150S2
S3	Icom, GME	IC-F3G, F3GS, F4G, F4GS, F11, F22, F31, TX6100	RPA2150S3
S6	Icom	IC-F3G, F3GT, F4G, F4GT, IC-41S	RPA2150S6
S8	Simoco	SRP9120, SRP9130, SRP9130 Plus	RPA2150S8
T2	HYT	TC700	RPA2150T2
Y4	Vertex	VX-160, VX-180	RPA2150Y4
Y5	Vertex	BL-820, BLP-820, VX-820, VXP-820	RPA2150Y5





## "H" SPEAKER MIC

WITH "H" PLUG See Below:

Heavy-duty speaker mic communications radio interface system 07813H. Universal "H" termination requires "H" adaptor below. Excellent sound performance. Water resistant moisture seal.



Plug Code

"H" RPA2100H

## "H" HELMET KIT

### EARPIECE & MICROPHONE

Integrates to Full Face & Open Face Helmets. Push Pull plug/Socket interface for Helmet. Dual Speakers. Strong boom mic clamp, safe and universal. Weather-proof boom microphone and remote. PTT compatible. Loud and robust speaker. Applicable for patrolling officer and motorcycle, motorbike, snow mobile, etc.



Plug Code

"H" RPA2114H

See Plug ID Table

## "H" HEADSET & MICROPHONE

Ideal for Hard Hats & Helmets. Crystal clear skull microphone - Bone Conduction. Adjustable headband length with Velcro®. Easy installation, secure fitting into strap of hard hat.



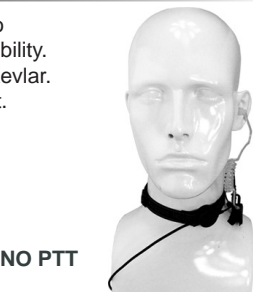
Plug Code

"H" RPA2113H

NO PTT

## "H" THROAT MICROPHONE & EARPIECE

Proprietary bone conduction transducer to ensure excellent audio quality and intelligibility. Environmental PU cable reinforced with Kevlar. Comfortable neck band. Quick disconnect. Includes ear tube listening. Requires PTT solution. Terminates to universal "H" plug. Adaptors & PTT available.



Plug Code

"H" RPA2116H

NO PTT

## "H" PTT

### PUSH TO TALK BUTTON

Inline "H" lead with large PTT Button as required by some Helmet and ear pieces.



Plug Code

"H" RPA2118

## "H" PTT WIRELESS BUTTON

### FIT HANDLEBARS STEERING WHEEL ETC.

"H" Input to Motorola. Wire through PTT switch Plus an extra wireless push button remote. Velcro® brand strap affix.



Plug Code

"H" RPA2119

## "H" EARPIECE & MICROPHONE PTT

### "D" L-MIC EAR W/PTT

Single wire assembly Private conversation Comfortable ear hook Lapel microphone and Separate Push-To-Talk.

Plug Code

"H" RPA2108H

M4 RPA2108M4

M7 RPA2108M7

K1 RPA2108K1



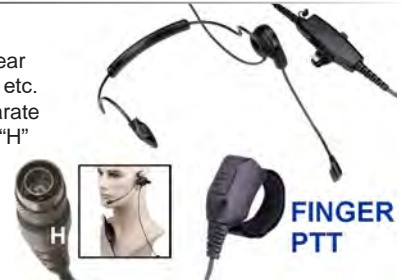
## "H" HEADSET MICROPHONE & PTT

### FINGER STRAP PTT

Single wire assembly Over ear headset suit different users, etc. Lapel microphone and Separate Push-To-Talk Terminates to "H" Plug For universal adaptors

Plug Code

"H" RPA2109H



## "H" EARPIECE & MICROPHONE PTT

### LIGHT WEIGHT EAR HOOK

Soft and skin-friendly ear hook material. PU cable reinforced with Kevlar. PTT & Microphone inline.

Plug Code

"H" RPA2112H

E4 RPA2112E4

M4 RPA2112M4

K1 RPA2112K1



## "H" EARPIECE & PTT MICROPHONE

Single wire assembly. Clear plastic tube to Inner ear piece with Push-To-Talk microphone. Speak into PTT Button.

Plug Code

"H" RPA2101H

M4 RPA2101M4

M7 RPA2101M7

K1 RPA2101K1

S6 RPA2101S6



## "H" EARPIECE & LAPEL MICROPHONE PTT

### LAPEL-MIC EAR W/PTT

Triple wire assembly. Clear plastic tube Inner ear piece with Lapel microphone and separate PTT Button.

Plug Code

"H" RPA2102H

M4 RPA2102M4

M7 RPA2102M7



## ACOUSTIC EAR TUBE PARTS SUITS RPA2101 & RPA2102

Description	Code	
Storage carry pouch to suit	07821P	each
Acoustic Ear Tube Assembly	RPA2107	each
Replacement Earbuds 2 pieces	RPA2103	for 2
Quick disconnect plug end	RPA2106	each
Earbud Ear mould type x6	RPA2104	for 6
Earbud High Noise 2 pieces	RPA2120	for 2







# Communications

## SPEAKER MICROPHONES HEAVY-DUTY

### Benelec 07813

Remote Speaker Microphone, rugged, superior units designed for heavy duty applications. Each microphone features a high-quality condenser-style microphone element that produces excellent transmitted audio clarity, as well as a powerful speaker. It may be secured to the user's lapel or shoulder. Built-in jack for using an external earphone.

- Rugged Heavy Duty Construction
- Rubber Side Comfort Grips
- Extra Heavy Duty, Rotating Clip
- Noise Cancelling Design
- External Earphone Jack
- Weatherproof IP54



### "H" TERMINATOR

Code  
RPA2100H



### VERTEX SINGLE PIN

Code  
RPA2100Y4



### MOTOROLA SOCKET XTS5000

Code  
RPA2100M3J



### ICOM F3/F4

Code  
RPA2100S6



## "H" NECK BAND HEADSET

Plug Code  
"H" RPA2117NH



## "H" HELMET ATTACHMENT

Plug Code  
"H" RPA2117SH

Helmet NOT Included.  
Adaptor plugs available.



## IN-EAR EXTENSION ADD-ON

### Suits RPA2000 Series

Coiled Acoustic In-Ear Piece Inconspicuous clear plastic Electronic transducer speaker Feeds a clear tube the sound. Standard 3.5mm Mono Plug Also suits all of the above RPA microphones



Code  
RPA2006

## ACOUSTIC EAR TUBE PARTS

Description	Code	
Storage carry pouch to suit	07821P	each
Acoustic Ear Tube Assembly	RPA2107	each
Replacement Earbuds 2 pieces	RPA2103	for 2
Quick disconnect plug end	RPA2106	each
Earbud High Noise 2 pieces	RPA2120	for 2



## EAR MOLD KIT

### REQUIRES INNER-EAR TUBE

Replaces the RPA2103 ear bud. Suits all Acoustic ear-bud sets RPA2006 / 2101 / 2102, etc. This six piece Kit includes Three sizes of L & R ears. 6x Ear molds for extra comfort Secure hold, Extended periods.

Code  
RPA2104 for 6



## "H" HEADPHONE & BOOM MIC

High-attenuating shells with optimised acoustic design and excellent space for the ears for the best possible sound quality and comfort. Microphone with effective noise compensation for clear and reliable communication. Quick positioning integrated microphone boom for easy handling. Soft, wide, foam and fluid-filled ear cushions and individually sprung head band wires of stainless sprung steel provide an even and consistent distribution of pressure around the ears for the best possible comfort. PTT button on the shell.

### HIGH NOISE REJECTION

Plug Code  
"H" RPA2117HH







## □ Microphones CB & UHF

### SPEAKER MICROPHONES LIGHT

Remote Speaker Microphone, light weight, superior units designed for light duty applications. Each microphone features a high-quality condenser-style microphone element that produces excellent transmitted audio clarity, as well as a powerful speaker. It may be secured to the user's lapel or shoulder. Built-in jack for using an external earphone.

#### BENELEC



#### KENWOOD 2 PIN

Code  
RPA2001K1



#### MOTOROLA 2 PIN

Code  
RPA2002



#### ICOM 2 PIN STRAIGHT

Code  
RPA2001S1



#### ICOM 2 PIN RIGHT-ANGLE

Code  
RPA2001S2



#### VERTEX 1 PIN 2 SCREWS

Code  
RPA2001Y4



#### BENELEC BL500/520

Code  
RPA2001E4



#### ICOM F3/F4

Code  
RPA2001S6



### SPEAKER MICROPHONES SUBMERSIBLE

#### Benelec 07814

Remote Speaker Microphone, ultra-rugged, superior units designed for all weather applications. Microphone volume controller. Heavy duty industrial grade components and lead. Built for maximum life in maximum circumstances. It may be secured to the user's lapel or shoulder with removable clip.



- Rubber Sealed housing design - Weatherproof IP67
- Ultra Rugged long life design and construction
- 360 degree revolving clip
- Excellent Strain Relief for maximum life in the field
- Heavy Grade Industrial Jacketed Cables
- Excellent transmitted audio clarity
- Volume control on the side

#### BENELEC

#### BENELEC MOTOROLA

#### BL800 & GP328

Code  
RPA2111M4



#### MOTOROLA SIMOCO GP328PLUS & SRP9180

Code  
RPA2111M5



#### MOTOROLA MOTOTRBO

Code  
RPA2111M7

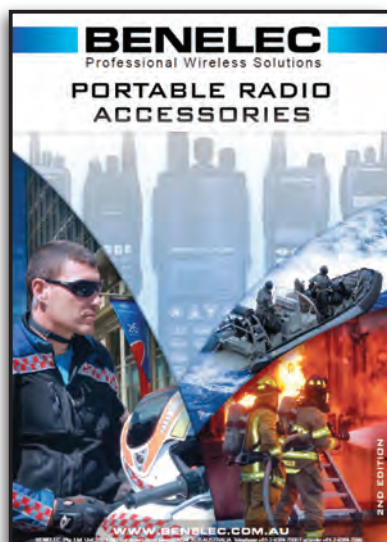


#### BENELEC BL500/520

Code  
RPA2111E4



## BENELEC CATALOGUES







# Communications

## DESK MICROPHONE

### ANNOUNCEMENT

Professional Dynamic Microphone.  
Weighted base 110x160mm  
Metal adjustable goose-neck.  
Toggle switch On / Off / Momentary.  
Mutes output. 1.5M Lead.  
Terminates to 3 pin XLR plug.

Code  
DM1



## CB MICROPHONE

Push to Talk Communications  
Microphone to suit CB Radios  
Requires Plug (See NC514-4)

Code  
DMC508



## DMC508 INSERT

15x26mmØ  
500Ω -74dB

Code  
CDM143



## MICROPHONE PLUGS

Type	Code
2 pin	NC514-2
3 pin	NC514-3
4 pin	NC514-4
5 pin	NC514-5
6 pin	NC514-6
7 pin	NC514-7
8 pin	NC514-8



## MINI DYNAMIC MIC

Helmet intercoms, etc.  
13x19mmØ  
400Ω -62dB

Code  
DM190



## MICROPHONE PLUGS RIGHT ANGLE

Type	Code
2 pin	NC516-2
3 pin	NC516-3
4 pin	NC516-4
5 pin	NC516-5
6 pin	NC516-6
7 pin	NC516-7
8 pin	NC516-8



## MIC HOLDER CHROMIUM

Screw on type With locking clip.  
Suits most mics.

Code  
SMH1



## MICROPHONE INLINE SOCKETS

Type	Code
2 pin	NC518-2
3 pin	NC518-3
4 pin	NC518-4
5 pin	NC518-5
6 pin	NC518-6
7 pin	NC518-7
8 pin	NC518-8



## CB MIC CLIP

Screw on type CB microphone clip.

Code  
CBMC



## MICROPHONE PANEL MOUNT SOCKETS

Type	Code
2 pin	NC515-2
3 pin	NC515-3
4 pin	NC515-4
5 pin	NC515-5
6 pin	NC515-6
7 pin	NC515-7
8 pin	NC515-8



## MIC HOLDER STAINLESS

Stainless Steel. Screw  
on type With locking  
clip. Suits most mics.

Code  
SMH2



## CURLY CORD

CB mic leads, etc.

Description	Length	Code
3 Core	1.8M (6ft EXT)	ML3-6
3 Core	2.75M (9ft EXT)	ML3-9
3 Core	3.65M (12ft EXT)	ML3-12
5 Core	1.8M (6ft EXT)	ML5-6
5 Core	2.75M (9ft EXT)	ML5-9
5 Core	3.65M (12ft EXT)	ML5-12







## □ Communication Speakers

### SPEAKER COMPACT 8Ω

Z	8Ω
Lead	1.8M
Plug	Bare End
Size	100x82x59mm
Power	15 Watt
Code	CBXS



### SPEAKER RECTANGULAR 4Ω

With mounting bracket 5Wnom

Z	4Ω
Lead	4.5M
Plug	3.5mm
Size	110x65x55mm
Power	5Wnom
Code	CS8



### SPEAKER COMPACT 8Ω

Polypropylene speaker

Z	8Ω
Lead	1.8M
Plug	3.5mm
Size	80x65x60mm
Power	3 Watt
Code	SP20



### SPEAKER COMPACT 4Ω

Polypropylene speaker

Z	4Ω
Lead	1.8M
Plug	3.5mm
Size	80x65x60mm
Power	3 Watt
Code	SP21



### SPEAKER SQUARE 8Ω

With mounting bracket

Z	8Ω
Lead	1.8M
Plug	3.5mm
Size	125x125x60mm
Power	20Wmax
Code	CS7



### SPEAKER SQUARE 4Ω

With mounting bracket

Z	4Ω
Lead	1.8M
Plug	3.5mm
Size	125x125x60mm
Power	20Wmax
Code	CS6



### HANDS FREE MICROPHONES

#### MICROSCOPIC INSTALL

Compact 6mmØ Mic head  
Suitable for replacement in Car Kit  
installations 3.5M long cable to plug:

Plug	Code
2.5mm	HFM70
3.5mm	HFM66



### HANDS FREE MICROPHONES

#### VISOR CLIP

Recommended for temporary  
installations, etc. wont damage the  
car 3.5M cable. 15mmØ Mic.

Plug	Code
3.5mm	HFM12



### MARINE SPEAKER 7"

White Salt-water resistant. One  
piece construction. Polypropylene  
driver. 180mm diameter. 75W max  
power. 4Ω. 5M cable included.

Code	MSPK7
------	-------



### PA HORN SPEAKER 4" 8Ω

Plastic Weather resistant.  
Public Address Horn Speaker.  
8Ω 400-6.5KHz

Z	8Ω
Size	135x120mmØ
Power	10Wmax
Code	PAH3180



### MARINE RADIO HOUSING

#### SINGLE DIN SIZED

Weather resistant capsule suits  
standard DIN size Stereo, Radio,  
Com units. Protect from water & dirt.  
Sealed front flip door and rear cable  
entry. Marine white. UV proof.

Code	FP9003
------	--------



CB RADIO NOT INCLUDED

### MARINE RADIO FACIA

#### SINGLE DIN SIZED

Weather resistant face  
suits standard DIN size  
Stereo, Radio, Com units.  
Protect from water & dirt.  
Sealed front flip door.  
Marine white UV proof.

Code	FP9005
------	--------







# Communications

## Connectors Adaptors

### ADAPTORS

Many More Are Available...  
See Section 02  
CABLES &  
CONNECTORS



### SMA/FME

SMA Plug to FME Socket

Code  
AD1103



### FME/SMA

FME Female to SMA Female

Code  
AD1104



### "N"/BNC

"N" male to BNC female

Code  
N155



### SMA/N

SMA Socket to "N" Socket

Code  
AD1073



### FME/N

"N" Socket to FME Socket

Code  
AD1075



### "N"/"N"

"N" male to "N" male

Code  
N130



### SMA/N

SMA Socket to "N" Plug

Code  
AD1071



### MCX/"N"

MCX Male to "N" Male

Code  
AD1141



### "N" / "N" / "N"

"N" T adaptor Male to two females

Code  
N140



### SMA/N

SMA Plug to "N" Plug

Code  
AD1072



### MCX/"N"

MCX Male to "N" Female

Code  
AD1142



### "N"/UHF

"N" male to PL259 female

Code  
N160



### SMA/UHF

SMA Male to SO239 Plug

Code  
AD312



### BNC/"N" FEMALE

BNC Male to "N" Female

Code  
N156



### "N"/SMA-RP

"N" Plug to SMA-RP Plug

Code  
AD1001



### SMA/MCX

SMA Female to MCX Male

Code  
AD1140



### UHF/UHF

PL259 male to PL259 Male

Code  
AD2259



### "N"/SMA-RP

"N" Plug to SMA-RP Socket

Code  
AD1006







## "N"/TNC-RP

"N" Plug to TNC-RP Plug

Code  
AD1042



## Mini UHF R/A

Mini UHF Plug  
To Socket right  
angle

Code  
M259RA



## UHF/UHF

PL259 UHF Plug To 2x SO239 "T" Adaptor

Code  
PL259T



## "N"/TNC-RP

"N" Plug to TNC-RP Socket

Code  
AD1044



## Mini UHF/TNC

Mini UHF male  
to TNC female

Code  
MUF250



## UHF/BNC

PL259 plug to BNC socket

Code  
AD210



## "N"/SMA

"N" Socket to SMA Plug

Code  
AD1074



## Mini UHF/BNC

Mini UHF Male to BNC female

Code  
MUF339



## UHF/BNC

BNC plug to SO239 socket

Code  
AD240



## "N"/SMA-RP

"N" Socket to SMA-RP Socket

Code  
AD1005



## Mini UHF/BNC

Mini UHF Female to BNC male

Code  
MUF439



## TNC ADAPTORS

Many More Are Available...  
See Cables & Connectors Section.



## "N"/SMA-RP

"N" Socket to SMA-RP Plug

Code  
AD1012



## Mini UHF/UHF

Mini UHF male to UHF PL259 female

Code  
MUF379



## FME ADAPTORS

Many More Are Available...  
See Cables & Connectors Section.



## "N"/TNC-RP

"N" Socket to TNC-RP Plug

Code  
AD1041



## UHF/UHF

Female to female SO239 to SO239

Code  
PL258



## FME PLUG TO UHF PLUG PL259

FME Male to PL259 Male

Code  
FME259



## Mini UHF/SMA

Mini UHF to SMA Female

Code  
SMA319



## UHF R/A

Right-Angle PL259 to SO239

Code  
AD259RA



## CROSS-REFERENCE LIST

CABLES &  
CONNECTORS

See Section 02 for a  
quick reference listing  
of all Adaptors in both  
from & to ends for  
convenience.







# Communications

## Connectors Flyleads

### PATCH CABLES



### MCX TO SMA R/P

Plug A	MCX Male
Plug B	SMA R/P Female
Cable	RG174U
Length	0.5M
Code	CAL710



### MS147 R/A TO FME

Plug A	MS-147
Plug B	FME Male
Cable	RG174u
Length	0.5M
Code	CAL2560



### CRC9 R/A TO SMA

Plug A	CRC9 Male R/A
Plug B	SMA Female
Cable	RG316U
Length	0.5M
Code	CAL820



### MCX R/A TO SMA

Plug A	MCX Male
Plug B	SMA Female
Cable	RG174
Length	0.2M
Code	CAL714



### MS147 R/A TO SMA

Plug A	MS-147
Plug B	SMA Female
Cable	RG316u
Length	0.5M
Code	CAL2562



### CRC9 R/A TO FME

Plug A	CRC9 Male R/A
Plug B	FME Male
Cable	RG174U
Length	0.5M
Code	CAL802



### MCX R/A TO 'N'

Plug A	MCX Male R/A
Plug B	N Female
Cable	RG174U
Length	0.2M
Code	CAL715



### MS147 R/A TO FME

Plug A	MS-147 x2
Plug B	FME Male
Cable	RG174u
Length	0.5M
Code	CAL2563



### MC LUCENT R/A TO SMA-RP

Plug A	MC Lucent Male R/A
Plug B	SMA-RP Female
Cable	RG174U
Length	0.5M
Code	CAL711



### MMCX TO FME

Plug A	MMCX Male
Plug B	FME Male
Cable	RG174U
Length	0.5M
Code	CAL812



### MS147 R/A TO FME

Plug A	MS-147 x2
Plug B	SMA Female
Cable	RG174u
Length	0.5M
Code	CAL2564



### MC LUCENT R/A TO SMA

Plug A	MC Lucent Male R/A
Plug B	SMA Female
Cable	RG174U
Length	0.5M
Code	CAL716



### MMCX R/A TO FME

Plug A	MMCX Male R/A
Plug B	FME Male
Cable	RG174U
Length	0.5M
Code	CAL807



### SMB TO SMA

Plug A	SMB Female
Plug B	SMA Female
Cable	RG316U
Length	0.5M
Code	CAL816



### MC LUCENT R/A TO FME

Plug A	MC Lucent Male R/A
Plug B	FME Male
Cable	RG174U
Length	0.5M
Code	CAL712



### MMCX R/A TO SMA

Plug A	MMCX Male R/A
Plug B	SMA Female
Cable	RG174U
Length	0.5M
Code	CAL808



### SMB TO FME

Plug A	SMB Female
Plug B	FME Male
Cable	RG316U
Length	0.5M
Code	CAL815



### EXTERNAL ANTENNA PATCH LEAD

The passive patch cable with phone holder allows signals to be sent from the antenna to the phone or mobile modem without a direct connection to the antenna port. The phone holder can fit any phone with width between 40-50mm.

Lead	450mm
Code	CAL4298



**INDUCTIVE ANTENNA  
PICKUP SOLUTIONS  
AVAILABLE**







## SSMB R/A TO SMA

Plug A SSMB Male R/A  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL819



## SMK TS9 TO FME

Plug A SMK TS-9 Male  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL821



## SMK TS9 TO FME

Plug A FME Male x2  
Plug B SMK TS-9 Male x2  
Cable RG174u  
Length 0.5M  
Code CAL823



## SSMB R/A TO FME

Plug A SSMB Male R/A  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL805



## SMK TS9 TO FME

Plug A SMK TS9 Short  
Plug B FME Male  
Cable RG174u  
Length 0.5M  
Code CAL825



## SMK TS9 R/A TO FME

Plug A SMK TS9 R/A x2  
Plug B FME Male  
Cable RG174u  
Length 0.5M  
Code CAL834



## SSMB TO FME

Plug A SSMB Male  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL809



## SMK TS9 TO SMA

Plug A SMK TS9 Short  
Plug B SMA Female  
Cable RG316u  
Length 0.5M  
Code CAL827



## SMK TS9 R/A TO SMA

Plug A SMK TS9 x2  
Plug B SMA Female x2  
Cable RG316u  
Length 0.5M x2  
Code CAL831



## SMK TS6 TO SMA

Plug A SMK TS-6 Male  
Plug B SMA Female  
Cable RG316U  
Length 0.12M  
Code CAL702



## SMK TS9 TO SMA

Plug A SMA TS9 x2  
Plug B SMA Female  
Cable RG316u  
Length 0.5M  
Code CAL836



## SMK TS9 R/A TO FME

Plug A SMK TS9 R/A x2  
Plug B FME Male x2  
Cable RG174u  
Length 0.5M x2  
Code CAL830



## SMK TS9 R/A TO SMA

Plug A SMK TS-9 Male R/A  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL817



## SMK TS9 TO FME

Plug A SMK TS9 x2  
Plug B FME Male  
Cable RG174u  
Length 0.5M  
Code CAL828



## UFL(IPX) R/A TO RP SMA

Plug A RP-SMA Male  
Plug B UFL Male  
Cable RG316U  
Length 0.3M  
Code CAL848



## SMK TS9 R/A TO FME

Plug A SMK TS-9 Male R/A  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL811



## SMK TS9 TO SMA

Plug A SMK TP9 x2  
Plug B SMA Female x2  
Cable RG316u  
Length 0.5M  
Code CAL835



## ZTE T20 R/A TO FME

Plug A ZTE T20  
Plug B FME Male  
Cable RG174U  
Length 0.5M  
Code CAL8176



## SMK TS9 TO SMA

Plug A SMK TS-9 Male  
Plug B SMA Female  
Cable RG316U  
Length 0.5M  
Code CAL822



## SMK TS9 R/A TO SMA

Plug A SMK TS9 x2  
Plug B SMA Female  
Cable RG316u  
Length 0.5M  
Code CAL838



## TMC R/A TO FME

Plug A TMC Male  
Plug B FME Male  
Length 0.5M  
Cable RG174U  
Code CAL804







# Communications

## Connectors Plugs Sockets

### PL259 UHF

Plug	PL259	PL259
Suit	RG58	RG213
Code	PL259A	PL259R



See Cable & Connectors Section for more...

### PL259 CRIMP

Plug	PL259	PL259
Suit	RG58	RG213
Code	PL259-58	PL259-213



### SMA CRIMP

Plug	SMA Male	SMA Female
Suit	RG58	RG58
Code	SMA58	SMF58



### "N" CRIMP

Plug	"N" Male	"N" Male
Suit	RG58	RG213U
Code	N115	N112



### SMA CRIMP

Plug	SMA Male	SMA Male R/A
Suit	RG174	RG174
Code	SMA174	SMA174R



### "N" CRIMP

Plug	"N" Male	"N" Male
Suit	RG58	RG213U
Code	N120	N110



### SO239 INLINE

Plug	UHF	UHF
Suit	RG58	RG213
Code	IL239-58	IL239-213



### SMB CRIMP

Plug	SMB Male	SMB Female
Suit	RG174	RG174
Code	SMB101	SMB105



### "N" CRIMP

LL400 (10mmØ)

Plug	"N" Male
Suit	LMR400
Code	N113



### SO239 PANEL

Plug	UHF	UHF
Type	Round	Flange
Code	SO239	SPM239



### FME CRIMP

Plug	FME Male	FME Male
Suit	RG58	RG174
Code	FME158	FME8015



### "N" CRIMP

Plug	"N" Female	"N" Female
Suit	RG213	LL400
Code	N127	N128



### SO239 PANEL

Plug	UHF	UHF
Suit	RG58	RG213
Code	SPM239-58	SPM239-213



### FME CRIMP

Plug	FME Female	FME Female
Suit	RG58	RG174
Code	FME100	FME8001



### "N" CRIMP

LL400 (10mmØ)

Plug	"N" Female
Suit	LMR400 & RG8
Code	N129



### MINI-UHF CRIMP

Plug	M259	M259
Suit	RG174	RG58
Code	M259-174	M259-58



### "N" CRIMP

Plug	"N" Male
Suit	RG174
Code	N7301



### "N" PANEL MOUNT

Plug	"N" Female	"N" Female
Type	Flange	Round
Code	N150	N145



### MINI-UHF CRIMP

Plug	S259
Suit	RG58
Code	S259-58



### "N" RIGHT ANGLE

Plug	"N" Male	"N" Male
Suit	RG58	RG213
Code	N125	N7302



### "N" PANEL MOUNT

#### REAR CABLE CRIMP

Plug	Female	Female
Suit	RG58CU	RG213
Code	N152	N154



See Cable & Connectors Section for more...





## TNC CRIMP

Plug	TNC Male	TNC Male
Suit	RG58	RG174
Code	TNC28	TNC7401



## BNC CRIMP

Plug	BNC Male	BNC Male	BNC Male
Suit	RG58u	RG58cu	RG174
Code	P659	P660	BNC7001



## CRIMPING TOOL

### RG58 CRIMP

Crimps 5mmØ Collar  
Many ferrule sizes  
Suit BNC TNC "N" and  
others. See Tools & Test  
Equipment Section...

Code  
HT336A



## TNC CRIMP INLINE

Plug	TNC Female	TNC Female
Suit	RG58	RG174
Code	TNC99	TNC7415



## BNC TWIST

Plug	BNC Male	BNC Male
Suit	RG58	RG213
Code	P664	P603



## CRIMPING TOOL

### RG213 CRIMP And also RG174

Crimps 11mmØ Collar Many  
ferrule sizes Heavy duty  
ratchet. See Tools & Test  
Equipment Section...

Code  
DL801K



## TNC CRIMP SOCKET

Plug	TNC Female	TNC Female
Suit	RG58	Solder
Code	TNC45	TNC232



## BNC LOAD

50 OHM Terminator

Code  
BNT50



## COAX CABLE STRIPPER

Insert cable and twist!  
Blades can be positioned  
for different crimps.

Code  
HT377



## MMCX CRIMP

Micro-Miniature  
Crimp Male RG174

Plug	Male MMCX
Suit	RG174
Code	MMCX101



## BNC INLINE

Plug	BNC Female	BNC Female
Suit	RG58	RG174
Code	P670	BNC7022



## BNC END CAPS

Plug	BNC Male	BNC Female
Code	CP-BNC-M	CP-BNC-F



## MMCX CRIMP

FEMALE Crimps to Coax  
RG174u RG188u RG316u

Code  
MMCX102



## BNC PANEL

Plug	BNC Female	BNC Female
Suit	Solder	RG58
Code	J600	J605



## N PLUG END CAPS

Plug	N Male	N Female
Code	CP-N-M	CP-N-F



## MCX CRIMP

Plug	MCX Male	MCX Male
Suit	RG174	RG58
Code	MCX102	MCX103



## BNC BULLHEAD

Colour	Black	Silver
Code	AC-BNC-JJ-75B	AC-BNC-JJ-75



## UHF END CAPS

Plug	UHF Male	UHF Female
Code	CP-UHF-M	CP-UHF-F



## MCX CRIMP

Plug	MCX Female	MCX Female
Suit	RG58	RG174
Code	MCX112	MCX111



## LUCENT MC-CARD PLUG

### R/A CRIMP RG174

Lucent WiFi Crimp Suits  
MC Cards, etc. LMR100  
RG174 Cable

Code  
LPC101



## SEE CABLE & CONNECTORS

For our entire  
range of adaptors,  
plugs & sockets  
see Cable and  
Connectors  
Section...







## □ RF Cable On The Reel

### 50Ω RG174/U COAX 2.5mm

Multi-strand steel/copper (0.48mm) with braid tinned copper 90% shield. PE Dielectric (1.5mm). PVC Jacket Black (2.55mm). 100pF/M.

Length	Code
50M	RG174U-50
1M*	RG174U-1

\*AVAILABLE CUT TO ANY LENGTH



Lossy. Suit very short runs. Flexible.

### 50Ω LMR100 COAX LOW LOSS

Low loss RF cable, 0.46mm Solid BCCS conductor with 2.11mm tinned copper overall braid. 1.52mm Solid polyethylene dielectric & 1.65mm aluminium tape as outer conductor. .67mm Black PVC standard jacket. Replacement for RG316/RG174 because of low loss. Used in many application like WLL, GPS, LMR, Mobile antennas & many more.

Length	Code
1M*	LMR100-1

SOLD CUT TO ANY LENGTH



### 50Ω RG58AU COAX 5mm

Multi-strand with braided copper shield. Equiv. RG58U

Length	Code
100M	RG58AU
1M*	RG58AU-1

\*AVAILABLE CUT TO ANY LENGTH



### 50Ω RG58CU COAX 5mm

Tinned Multi-Strand High-shielding

Length	Code
100M	RG58CU
1M*	RG58CU-1

\*AVAILABLE CUT TO ANY LENGTH



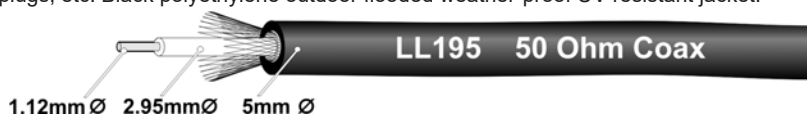
### 50Ω LL195 COAX 5mm

#### LOW-LOSS BROADBAND COMMUNICATIONS CABLE - SOLID CORE

Double shielded with over 93% coverage copper braid + aluminium tape 100%. Gas-Injected Foam Polyethylene 2.79mm insulator. Solid core copper 0.94mm centre suits a majority of crimp plugs, etc. Black polyethylene outdoor flooded weather-proof UV resistant jacket.

AKA	Length	Code
LMR200	100M	LL195
LMR200	1M*	LL195-1

\*AVAILABLE CUT TO ANY LENGTH

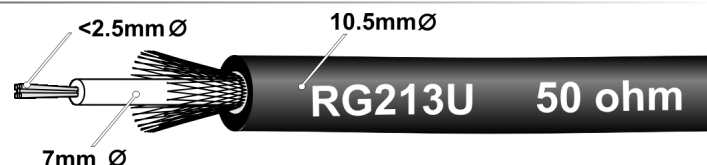


### 50Ω RG213U COAX 10mm

HEAVY DUTY with UV-Resistance Multi-Strand High-shielding.

Length	Code
100M	RG213U
1M*	RG213U-1

\*AVAILABLE CUT TO ANY LENGTH



### 50Ω LL400 COAX 10mm

#### LOW-LOSS BROADBAND COMMUNICATIONS CABLE, 50 Metre roll

Double shielded with over 93% coverage copper braid + aluminium tape 100%

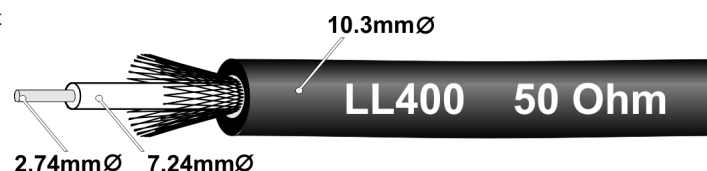
Extra wide bandwidth Gas-Injected Foam Polyethylene 7.25mm insulator

Black polyethylene outdoor flooded weather-proof UV resistant jacket

Solid core copper 2.75mm centre

Length	Code
50M	LL400-50
100M	LL400-100
305M	LL400-305
1M*	LL400-1

\*AVAILABLE CUT TO ANY LENGTH







## □ RF Cable Premade

### SMA TO SMA LEADS

#### LOW-LOSS PATCH

LL195 50Ω Coax  
SMA Male to Male



Length	Coax	Code
1.5M	LL195	CAL5048
3.0M	LL195	CAL5049
5.0M	LL195	CAL5050



### SMA TO SMA PANEL MOUNT LEAD

Double nut for panel mounting the Female SMA

Length	Coax	Code
3.0M	LL195	CAL5099
4.0M	LL195	CAL5103
6.0M	LL195	CAL5098



### SMA-REVERSED LEADS

50Ω Coax SMA-RP Female to Male

Length	Coax	Code
3.0M	RG58CU	CAL5013
3.0M	LL195	CAL5018
5.0M	RG58CU	CAL5014
5.0M	LL195	CAL5019
6.0M	LL195	CAL5019-6
10M	RG58CU	CAL5015
10M	LL195	CAL5020
15M	RG58CU	CAL5016
15M	LL195	CAL5021
20M	RG58CU	CAL5017
20M	LL195	CAL5022



### “N” TO SMA LEADS

#### LOW-LOSS PATCH

LL195 50Ω Coax SMA Male to “N” Male

Length	Coax	Code
1.5M	LL195	CAL5060
3.0M	LL195	CAL5043
5.0M	LL195	CAL5044
5.0M	LL400	CAL5080
10M	LL195	CAL5045
10M	LL400	CAL5081
15M	LL195	CAL5046
15M	LL400	CAL5082
20M	LL195	CAL5047
20M	LL400	CAL5083
25M	LL400	CAL5084



### “N” TO SMA-REVERSED LEADS

50Ω Coax SMA-RP Male to “N” Male

Length	Coax	Code
3.0M	RG58CU	CAL5023
3.0M	LL195	CAL5028
5.0M	RG58CU	CAL5024
5.0M	LL195	CAL5029
10M	RG58CU	CAL5025
10M	LL195	CAL5030
15M	RG58CU	CAL5026
15M	LL195	CAL5031
20M	RG58CU	CAL5027
20M	LL195	CAL5032



### FME MALE TO FEMALE

Length	Coax	Code
1.5M	RG58CU	CAL5063
1.5M	LL195	CAL5064
3.0M	RG58CU	CAL30
3.0M	LL195	CAL31
5.0M	RG58CU	CAL50
5.0M	LL195	CAL51
10M	RG58CU	CAL100
10M	LL195	CAL101
15M	LL195	CAL102
20M	LL195	CAL103



### “N” TO “N” LEADS

50Ω Coax Male to Male

Length	Coax	Code
1.5M	RG58CU	CAL5065
1.5M	LL195	CAL5066
3.0M	RG58CU	CAL5033
3.0M	LL195	CAL5038
5.0M	RG58CU	CAL5034
5.0M	LL195	CAL5039
5.0M	LL400	CAL5070
10M	RG58CU	CAL5035
10M	LL195	CAL5040
10M	LL400	CAL5071
15M	RG58CU	CAL5036
15M	LL195	CAL5041
15M	LL400	CAL5072
20M	RG58CU	CAL5037
20M	LL195	CAL5042
20M	LL400	CAL5073
25M	LL400	CAL5074
30M	LL400	CAL5075



### FME TO “N” LEADS

50Ω Coax FME Female to “N” Male

Length	Coax	Code
1.5M	RG58CU	CAL5061
1.5M	LL195	CAL5062
3.0M	RG58CU	CAL5003
3.0M	LL195	CAL5008
5.0M	RG58CU	CAL5004
5.0M	LL195	CAL5009
5.0M	LL400	CAL5090
10M	RG58CU	CAL5005
10M	LL195	CAL5010
10M	LL400	CAL5091
15M	RG58CU	CAL5006
15M	LL195	CAL5011
15M	LL400	CAL5092
20M	RG58CU	CAL5007
20M	LL195	CAL5012
20M	LL400	CAL5093
25M	LL400	CAL5094
30M	LL400	CAL5095



### BNC TO BNC LEADS

50Ω Coax BNC Male to Male

Length	Coax	Code
2.0 metre	RG58CU	CL102
5.0 metre	RG58CU	CL105
10 metre	RG58CU	CL110







# Communications

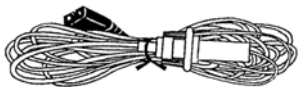
## Connectors Power

### POWER 12V DC LEAD

3AG 2A Fast Blow Fused  
1.2M Black/Red lead

#### 2 PIN

Size	Code
12x6mm	DCL2



2

#### 3 PIN

Size	Code
18x6mm	DCL3



3

### DC LEADS CB RADIO

#### 2 PIN POWER

Inline fuse 2A 2M x  
18AWG lead White plug:  
Square/Round (GME)

Code
DCL510

Arch/Round (Uniden)

Code
DCL505



DCL510

DCL505

### DC LEAD T PLUG

2 Pin "T" DC Secure Plug  
3.0M (4mm<sup>2</sup>) 15 Amp Fused  
Suit Icom & Vertex, etc.

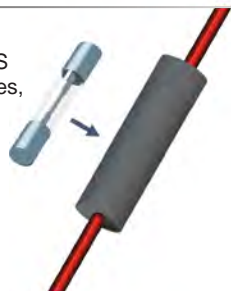
Code
DCL507



### FUSES LAMPS BEZELS

#### TOO MANY TO LIST HERE!

Section ELECTRONIC COMPONENTS  
Glass fuses, Large & Small Plastic fuses,  
etc....



### VOLTAGE NOISE FILTERS

13.8VDC Line suppression  
"Square" Box Noise Filter  
Engine bay Firewall etc.

Value	Code
5A	NS15S
10A	NS20

"Round" Enclosure (5cmØ)

Value	Code
5A	NS15R

NO Enclosure (Bare Choke)

Value	Code
6mH	NS5
3mH	NS10



### IGNITION SUPPRESSOR

Value	Description	Code
0.47µF	Old Condenser type for clamping noise at source.	CNS2
1000µF	Packaged Retail. Polarity protected. With instructions	NS12



### 24V TO 12V CONVERTERS

AUSTRALIAN GSL MADE  
Premium Mobile Quality.  
See Power & Lighting Section for details.



Power	Code
3A	DC24123
5A	DC24125
7A	DC24127
10A	DC241210



### 24V TO 12V HIGH POWER

AUSTRALIAN GSL MADE  
Switchmode efficiency.  
See Power & Lighting Section for details.

Power	Code
20A	DC241220
30A	DC241230

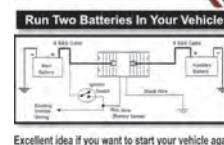


### BATTERY ISOLATOR

Device for connecting two batteries to the one charging circuit. Saves flattening the starter-motor battery.

Type	Code
150A	EBI-150

See Power & Lighting Section for details...



Excellent idea if you want to start your vehicle again

### 13.8VDC POWER SUPPLIES

Fully regulated Heavy Duty!  
Conventional and Switch-Mode available.  
See the Power Section for further details and more power products.  
A=RMS, Cycled add 50%

Power	Code
10A	SEC1212



POWER SUPPLIES  
SEE SECTION 08

### CAR AUDIO ACCESSORIES

SEE AUTOMOTIVE SECTION FOR CAR AUDIO ACCESSORIES

AUTOMOTIVE  
SEE SECTION 09



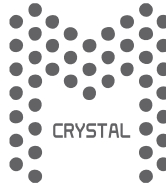
CAR SPEAKERS  
WIRING LOOMS  
CAR ANTENNAS  
MOUNTING PLATES





## □ UHF 477 Crystal CB

### CRYSTAL 80CH UHF CB RADIOS FOR VEHICLES AND HAND-HELD



#### 40CH Wide-Band & 80CH Narrow Band

The ACMA (Australian Communications and Media Authority) restructured the UHF CB band and increase its capacity from 40 up to 80 channels. Older radios that operate on only 40 UHF-CB channels are "Wideband" radios and the newer radios that will operate on the 80 UHF-CB channels are "Narrowband" radios. Both Narrowband radios and Wideband radios can communicate together normally as always on the first 40 channels. Only the new Narrowband radios will have the additional channels up to channel 80.

### CRYSTAL HANDHELD UHF CB RADIO 0.3W

#### SOLD IN PAIRS

Crystal's entry-model handheld CB radios with 80 narrow band channels and back-lit display. Comes in a set of two. With a range of up to 3 km radius on perfect terrain and atmospheric conditions. These radios are suitable for light outdoor use. 3x AAA batteries required each.

- 0.3 Watt Transmission power
- Range up to 3 km (depending on terrain and atmospheric conditions)
- Durable Rugged design with stubby antenna for outdoor pocket use
- Duplex (Range extender)
- 80 Narrow band channels 477MHz UHF
- 38 Interference eliminator codes CTCSS
- Backlit Display
- Channel Scan
- Automatic Squelch control
- Handsfree (VOX) capable. Optional ear-sets available
- Call Tone alter
- Sold as set of 2
- 46x28x113mm including antenna
- Uses 3 x AAA Batteries (not included)

Power	Code
300mW	DBH03 Pair



### CRYSTAL HANDHELD UHF CB RADIO 2W

#### SOLD IN A PAIR - USING STANDARD AAA BATTERIES

Crystal's amateur handheld CB radios have an impressive range with 80 narrow band channels and backlit display, comes in set of two. Units are reachable within 10 km radius on perfect terrain and atmospheric conditions. These radios are suitable for moderate outdoor use. This handheld UHF CB radio has 83 DCS codes (Digital Coded Squelch) with automatic squelch control, duplex range extender with automatic scan, 38 interference eliminator codes to achieve crystal clear sound during transmissions. It also comes with dual channel monitor and handsfree (VOX) capable. Operates on standard 4x AAA Alkaline Batteries (Required).

- 2 Watt Transmission power
- Range up to 10 km (depending on terrain and atmospheric conditions)
- Durable rugged design with rubber drop protection
- Duplex (Range extender)
- 80 Narrow band channels 477MHz UHF (40CH Wide-Band compatible)
- 38 Interference eliminator codes CTCSS
- Backlit Display
- Dual channel monitor, Channel Scan
- 83 DCS codes (Digital Coded Squelch), Automatic Squelch control
- 38 Interference eliminator codes
- Handsfree (VOX) capable. Optional ear-sets available.
- Call Tone alter
- 55x30x181mm including antenna
- Sold as set of 2
- Uses 4 x AAA Batteries (not included)

Power	Code
2W	DBH20 Pair







## CRYSTAL HANDHELD UHF CB RADIO 1W - RECHARGEABLE

### SOLD AS A PAIR WITH DUAL CHARGING STATION

Crystal's rechargeable handheld CB radios with 80 narrow band channels and backlit display, comes in set of two and a charging pod. Units are reachable up to 8 km radius on perfect terrain and atmospheric conditions. This handheld UHF CB radio has 83 DCS codes (Digital Coded Squelch) with automatic squelch control, duplex range extender with automatic scan, 38 interference eliminator codes to achieve crystal clear sound during transmissions. It also comes with dual channel monitor and is hands-free (VOX) capable. Optional DBH2EM ear-set.

- 1 Watt Transmission power for extended signal reliability
- Range up to 8 km (depending on terrain and atmospheric conditions)
- Durable rugged design with camo skin surface
- Duplex (Range extender) functions can extend the range of communication through local repeater stations from surrounding areas
- 80 Narrow band channels 477MHz UHF (40CH Wide-band Compatible)
- 38 Interference eliminator codes
- 83 DCS codes (Digital Coded Squelch), Automatic Squelch control
- Backlit LCD Display
- Dual channel monitor, Channel Scan
- Handsfree (VOX) capable
- Call Tone alter
- 55x33x181mm including antenna
- Rechargeable Batteries and Base charger included
- Sold as set of 2



Power	Code	
1W	DBH09R	Pair

## CRYSTAL HANDHELD UHF CB RADIO 1W - PRO RECHARGEABLE

### SOLD AS A PAIR WITH CHARGING STATION

Crystal's semi-professional handheld CB radios with 80 narrow band channels and backlit display, comes in set of two with rechargeable batteries and a charging pod. Reachable up to 9 km radius on perfect terrain and atmospheric conditions. This handheld UHF CB radio has 83 DCS codes (Digital Coded Squelch) with automatic squelch control, duplex range extender with automatic scan, 38 interference eliminator codes to achieve crystal clear sound during transmissions. It also comes with dual channel monitor and hands free (VOX) capable.

- 1 Watt Transmission power
- Range up to 9km (depending on terrain and atmospheric conditions)
- Professional design with lanyard loop hole
- Duplex (Range extender)
- 80 Narrow band channels 477MHz UHF (40CH Wideband compatible)
- 38 Interference eliminator codes
- 83 DCS codes (Digital Coded Squelch), Automatic Squelch control
- Backlit Display
- Dual channel monitor, Channel Scan
- Hands free (VOX) capable. Optional ear-sets available
- Call Tone alter
- 61x33x188mm including antenna
- Rechargeable Batteries and Base charger included
- Sold as set of 2



Power	Code	
1W	DBH10R	Pair

## CRYSTAL HANDHELD UHF CB RADIO 2W - PRO RECHARGEABLE

### SOLD AS A PAIR WITH CHARGING STATION

Crystal's semi-professional handheld CB radio with an impressive extended range of up to 12 km! 80 narrow band channels and backlit display, comes in set of two, with rechargeable batteries and a charging pod. These radios are suitable for heavy outdoor use. This handheld UHF CB radio has 83 DCS codes (Digital Coded Squelch) with automatic squelch control, duplex range extender with automatic scan, 38 interference eliminator codes to achieve crystal clear sound during transmissions. It also comes with dual channel monitor and handsfree (VOX) capable.

- 2 Watt Transmission power
- Range up to 12km (depending on terrain and atmospheric conditions)
- Professional design with lanyard loop hole
- Duplex (Range extender) functions can extend the range of communication through local repeater stations from surrounding areas
- 80 Narrow band channels 477MHz UHF
- 38 Interference eliminator codes
- 83 DCS codes (Digital Coded Squelch), Automatic Squelch control
- Backlit Display
- Dual channel monitor, Channel Scan
- Hands free (VOX) capable. Optional ear-set available.
- Call Tone alter
- 57x30x185mm including antenna
- Rechargeable Batteries and Base charger included
- Sold as set of 2



Power	Code	
2W	DBH20R	Pair





## CRYSTAL HANDHELD UHF CB RADIO 5W - RECHARGEABLE

### SOLD AS A SINGLE UNIT WITH CHARGING STATION

Crystal's programmable, professional grade, handheld CB radio with 80 narrow band channels. The unit comes with aluminium die cast chassis and inbuilt rechargeable Li-ion battery. Can reach over 12 km radius on perfect terrain and atmospheric conditions. This radio is suitable for rugged outdoor use and professional application.

- 5 Watt Transmission power with long-reach bendable antenna for reliable reception
- High gain antenna, reachable at 12km+ on perfect terrain and atmospheric conditions
- Durable rugged compact design with belt clip.
- Duplex (Range extender) 80 Narrow band channels 477MHz UHF (Max capacity 128)
- 38 Interference eliminator codes CTCSS
- 83 DCS codes (Digital Coded Squelch), Automatic Squelch control
- Backlit LCD Display with Channel and Frequency display
- Dual channel monitor, Channel Scan
- Hands free (VOX) capable ear set
- LED torch light and FM radio
- Call Tone alter
- Rechargeable Li-Ion Batteries (1200mAh)
- 12Hrs usage (5-5-9 work cycle)
- Removable antenna, SMA Connector
- 195x56x30mm 185g
- Base charger included
- Sold as a single unit

Power	Code	
5W	DBH50R	Each

### KIT INCLUDES

One Hand-Held Transceiver  
Charging Dock (240Vac)  
Car Charger Lead (12Vdc)  
Hand Strap and Belt Clip  
Earphone with answer button or VOX



## CRYSTAL HANDHELD UHF CB RADIO 5W - RECHARGEABLE

### WATERPROOF HANDHELD CB RADIO

The DBH50M is a professional grade waterproof 5W handheld UHF CB radio is ideal for professional use and the serious off roader. The DBH50M handheld UHF CB radio is loaded with all the features you would expect to find in our full size in-car UHF radio including 80 channels, 83 DCS codes, duplex range extender, 38 DTCSS codes. The DBH50M also features a sturdy aluminium die cast chassis, it is also IP67 Waterproof and Dustproof. The powerful 5W power output provides a communication radius of up to 15KM and it can be recharge through the charging dock supplied with package.

- IP67 Waterproof and Dustproof Rated
- Aluminium Diecast Chassis
- 5 Watt Power Output
- 80 Narrow Band Channels
- Rechargeable Lithium Ion 1500mAh Battery
- Automatic Squelch Control
- 83 DCS Codes
- 38 CTCSS Codes
- Duplex Range Extension
- Channel Scanning
- Dual Channel Monitor
- Hands-free VOX Capable
- Easy To Read Backlit Display and Buttons
- High Gain Antenna
- FM Radio (requires programming cable to enable)
- VOX Compatible

Code	
DBH50M	each



## CRYSTAL VOX EARSET

### TO SUIT DBH SERIES HANDHELD CB RADIO

A pair (2 pieces) of earphone with microphone for the DBH series CB radios. Hands-free operation using VOX feature.

Code	
DBH2EM	for 2



SUITS CRYSTAL RANGE OF WALKIE-TALKIES



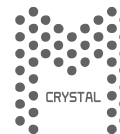




## CRYSTAL 80CH UHF CB RADIO - MIC CONTROLLER

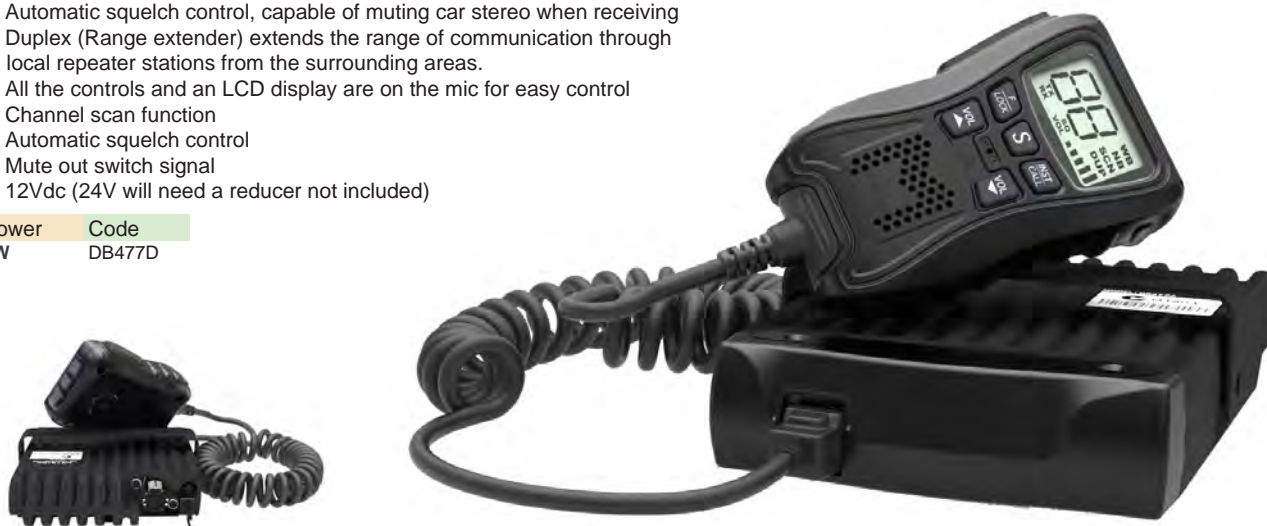
### 477MHZ 12V 5W TRANSCEIVER WITH FULL FUNCTION MIC

UHF CB Radio with 80CH narrow band channels, all buttons have been located on the hand-piece so the main unit can be stored away. This unit features the new 80 channel UHF Narrowband standard. This new UHF standard is backward compatible with the standard 40CH UHF (Wide-band). Extra-compact unit only 155x112x30mm.



- 5 Watt transmission power
- Large multi-colour display (select from 7 colours)
- Full aluminium die cast heat sink chassis
- 80 Narrow band channels 477MHz UHF (40CH Compatible)
- Automatic squelch control, capable of muting car stereo when receiving
- Duplex (Range extender) extends the range of communication through local repeater stations from the surrounding areas.
- All the controls and an LCD display are on the mic for easy control
- Channel scan function
- Automatic squelch control
- Mute out switch signal
- 12Vdc (24V will need a reducer not included)

Power	Code
5W	DB477D



## CRYSTAL 80CH UHF CB RADIO - ULTRA COMPACT

### CRYSTAL BRAND ULTRA COMPACT 12V 5W TRANSCEIVER

Crystal's ultra compact CB radio with 80 narrow band channels can be easily installed in tight spaces. This unit is very compact and simple to use. It features a 7 colour LCD backlit display to show the status and front panel control buttons for configuration. The chassis is heavy duty die cast aluminium for rugged protection and efficient heat dissipation. This CB radio utilises the new 80 channel Narrowband UHF standard and is backward compatible with the standard 40CH UHF (Wide-band). 12Vdc. Ideal for use in cars, 4WDs and caravans.



- 5 Watt transmission power
- Full aluminium die cast chassis
- 80CH Narrow band 477MHz UHF (40CH Wideband Compatible)
- Automatic squelch control with adjustable sensitivity
- 12V output line for muting a compatible car stereo when receiving
- Duplex (Range extender) extends the range of communication through local repeater stations from the surrounding areas
- Backlit display can be changed between 7 different colours
- Dual channel monitor and Channel scan
- 12Vdc (24V will need a reducer not included)
- Compact 98x98x24mm (Depth is + buttons & cables)

Power	Code
5W	DB477E







## CRYSTAL 80CH UHF CB RADIO - WITH KEYPAD MIC

### 477MHZ 12V 5W TRANSCEIVER WITH KEYPAD MIC

The NEW professional UHF CB radio is an advanced and reliable CB. This sophisticated unit can receive the new 80 UHF Narrow-Band channels, and has many other excellent features including frequency display and handy keypad remote type microphone with DTMF.

- 5 Watt transmission power
- Large backlit LCD display with adjustable brightness level.
- Durable full aluminium die cast chassis with integrated heat sink.
- 80 Narrow band channels 477MHz UHF (40CH Compatible)
- Programmable sensitivity automatic squelching control
- CTCSS / DCS / 5Tone / 2Tone / DTMF, etc.
- Multifunction hand-held microphone with keypad & mode controls
- Duplex (Range extender) extends the range of communication through local repeater stations from the surrounding areas.
- 12Vdc (24V will need a reducer not included)

Power Code  
5W DB477C



LCD BACK-LIT  
7 COLOURS



## CRYSTAL 80CH UHF CB RADIO - COMPACT

### 477MHZ 12V 5W TRANSCEIVER

The NEW compact 5 Watt UHF CB radio can be easily installed in tight spaces. 12Vdc. Ideal for use in cars, 4WDs and caravans. This high powered unit features the new 80CH UHF Narrow Band. This new UHF standard is backward compatible with the standard 40CH UHF (Wide-band). This unit is very compact and features a large LCD display with changeable backlighting colour allowing the user to see the display clearly. The CB radio has a heavy duty die cast aluminium chassis for rugged protection and efficient heat dissipation. Among other features, this unit has a 12V line output used for muting compatible stereos when receiving a call from another transmitter. The automatic squelch has adjustable sensitivity control to help filter out annoying back-ground noise. Compact 155x112x55mm. 12Vdc. 5W. 477MHz

- New Narrow band channel compatible transceiver
- 80 Channel UHF CB Compact
- Compatible with standard 40CH UHF
- High power 5 Watt transmission
- Large backlit LCD display (7 adjustable colours)
- Full aluminium die cast chassis with integrated heat sink
- Capable of muting the car stereo when receiving signals
- Automatic squelch control
- Channel scanning
- Duplex Range Extender feature:
- Extends the range of communication through local repeater stations from the surrounding areas.
- 13.8Vdc (24V will need a reducer not included)

Power Code  
5W DB477A







# Communications

□ Car Install & Mounting

□ Cradles & Holders - Smooth Talker

## DASH MOUNT PHONE HOLDER - CHARGER & ANTENNA COUPLER

### EXTERNAL ANTENNA CONNECTION ONLY

Smooth talker cradle can be used with a hands free car kit or after market stereo system. This cradle is designed to be installed into the vehicle that has an existing phone charging solution. Power through socket (Like to like) is on the base.. The optional power source is not provided with the UA series as this cradle instead has a Through Connector to use existing accessories. This cradle has an external antenna connector with an FME male end.

Brand	Models	Code
Apple	iPhone 6, 6S, 7	BTHAL62UA
Apple	iPhone 5/5S	BTHAL52UA
Apple	iPhone 4/4S	BTHAL42UA
Samsung	Galaxy S7	BTHSSG72UA
Samsung	Galaxy S6	BTHSSG62UA
Samsung	Galaxy S5	BTHSSG52UA
Samsung	Galaxy S4	BTHSSG42UA
Samsung	Galaxy S3	BTHSSG32UA



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ANTENNA COUPLER

## DASH MOUNT PHONE CRADLE - CHARGER & ANTENNA COUPLER

### WITH EXTERNAL ANTENNA CONNECTION

Smooth talker cradle is designed to be installed into the vehicle and the power cord is soldered or crimped directly to the vehicle fuse panel wiring or battery accessories line. The cradle mounting has angle adjustments and screws into a panel or metal bracket solution. This holder has an external antenna connector with an FME male end.

Brand	Models	Code
Apple	iPhone 6, 6S, 7	BTHAL62IA
Apple	iPhone 5/5s w/ MFi adaptor	BTHAL52IA
Apple	iPhone 4/4S	BTHAL4IA
Apple	iPhone 3G/3GS	BTHAL3GIA
Samsung	Galaxy S7	BTHSSG7IA
Samsung	Galaxy S6	BTHSSG6IA
Samsung	Galaxy S5	BTHSSG5IA
Samsung	Galaxy S4	BTHSSG4IA
Samsung	Galaxy S3	BTHSSG3IA
Universal	Micro-USB	BTHUN1IA
Universal	Lightning (MFi Adaptor)	BTHUN2IA



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ANTENNA COUPLER  
& POWER CHARGER

## DASH MOUNT PHONE CRADLE - CHARGER & ANTENNA COUPLER

### WITH EXTERNAL ANTENNA CONNECTION

Smooth talker cradle is designed to conveniently plug directly into any car accessories socket power source and allows the convenience of mounting the separate cradle in a convenient location for better viewing. This holder has an external antenna connector with an FME male end.

Brand	Models	Code
Apple	iPhone 6, 6S, 7	BTHAL62CA
Apple	iPhone 5c	BTHUN2UA
Apple	iPhone 5/5s w/ MFi adaptor	BTHAL52CA
Apple	iPhone 4/4S	BTHAL4CA
Apple	iPhone 3G/3GS	BTHAL3GCA
Samsung	Galaxy S7	BTHSSG7CA
Samsung	Galaxy S6	BTHSSG6CA
Samsung	Galaxy S5	BTHSSG5CA
Samsung	Galaxy S4	BTHSSG4CA
Samsung	Galaxy S3	BTHSSG3CA
Universal	Micro-USB	BTHUN1CA
Universal	Lightning (MFi Adaptor)	BTHUN2CA



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ANTENNA COUPLER  
& POWER CHARGER

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## SUCTION MOUNT PHONE CRADLE - CHARGER & ANTENNA COUPLER

### WITH EXTERNAL ANTENNA CONNECTION

Smooth talker cradle is designed to conveniently plug directly into any accessories socket power source and allows the function of mounting in a convenient location away from the power source. This holder includes an on-glass suction mounting bracket that is adjustable in three planes to enable versatile placement and orientation in the vehicle. This holder has an external antenna connector with an FME male end.

Brand	Models	Code
Apple	iPhone 6, 6S, 7	BTHAL62CAS
Apple	iPhone 5/5s w/ MFi adaptor	BTHAL52CAS
Apple	iPhone 4/4S	BTHAL4CAS
Apple	iPhone 3G/3GS	BTHAL3GCAS
Samsung	Galaxy S7	BTHSSG7CAS
Samsung	Galaxy S6	BTHSSG6CAS
Samsung	Galaxy S5	BTHSSG5CAS
Samsung	Galaxy S4	BTHSSG4CAS
Samsung	Galaxy S3	BTHSSG3CAS
BlackBerry	Bold 9000	BTHBD9CAS
BlackBerry	Bold 9700/9780	BTHB97CAS
BlackBerry	Bold 9900/9930	BTHB99CAS
BlackBerry	Pearl 8100/8110/8120/8130	BTHB81CAS
BlackBerry	Q10	BTHBQ10CAS
BlackBerry	Torch 9800	BTHB98CAS
BlackBerry	Torch 9850/9860	BTHB986CAS
BlackBerry	Z10	BTHBZ10CAS
Universal	Micro-USB	BTHUN1CAS
Universal	Lightning (MFi Adaptor)	BTHUN2CAS

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ANTENNA COUPLER  
& POWER CHARGER



## SUCTION MOUNT PHONE HOLDER - CHARGER & ANTENNA COUPLER

### WITH LIGHTNING THROUGH CONNECTOR

Smooth talker cradle can be used with a hands free car kit or after market stereo system which uses an iPhone 5/5S®. This cradle is designed to be installed into the vehicle that has an existing phone charging solution. ie. A power source is NOT provided with this unit. This holder has an external antenna connector with an FME male end. Lightning through connector is a Lightning socket on the base for your accessories connection.

Brand	Models	Code
Apple	iPhone 6, 6S, 7	BTHAL62UAS
Apple	iPhone 5C	BTHUN2UAS
Apple	iPhone 5/5S	BTHAL52UAS

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ANTENNA COUPLER  
& LIGHTNING POWER



## ACCESSORIES PLUG MOUNT PHONE CRADLE - CHARGER & ANTENNA COUPLER

### WITH EXTERNAL ANTENNA CONNECTION

Smooth talker cradle is designed to conveniently plug directly into any car accessories socket power source and held there for positioning. This holder has an external antenna connector with an FME male end.

Brand	Models	Code
Apple	iPhone 6, 6S, 7	BTHAL62PA
Apple	iPhone 5/5S	BTHAL5PANIC
Apple	iPhone 5/5S (MFi Adaptor)	BTHAL52PA
Apple	iPhone 4/4S	BTHAL4PA
Apple	iPhone 3G/3GS	BTHAL3GPA
Samsung	Galaxy S7	BTHSSG7PA
Samsung	Galaxy S6	BTHSSG6PA
Samsung	Galaxy S5	BTHSSG5PA
Samsung	Galaxy S4	BTHSSG4PA
Samsung	Galaxy S3	BTHSSG3PA
Universal	Micro-USB	BTHUN1PA
Universal	Lightning (MFi Adaptor)	BTHUN2PA

**SmoothTalker®**  
ANTENNA COUPLER  
& POWER CHARGER







# Communications

## DASH MOUNT UNIVERSAL PHONE HOLDER

### ANTENNA COUPLER WITH CHARGE OPTION - SEE LJUSB

This smooth talker cradle is designed to conveniently plug directly into any car accessories socket and allows the convenience of mounting the cradle in a better viewing location away from the power source. External antenna connector with an FME male end. Includes charging/data cables (Type). Optional adaptor cables to suit specific phones are available, see LJUSB range for leads to suit your phone or GPS or MP3 player. NEW! Now available with Lightning Plug for Apple®.

Type	Code
Micro-USB	BTHUN1CA
Lightning MFi	BTHUN2CA

**SmoothTalker®**  
ANTENNA COUPLER  
& POWER CHARGER

NOTE: SEE LJUSB CHARGER CABLE  
OPTIONS FOLLOWING THESE PRODUCTS



## DASH MOUNT UNIVERSAL PHONE HOLDER

### ANTENNA COUPLER WITH CHARGE OPTION - SEE LJUSB

Smooth talker cradle is designed to be installed into the vehicle and the power cord is connected to the vehicle wiring or battery. Includes short external antenna connector with an FME male end. Cradle has adjustable clamp and angle pivot. Includes charging/data cables (Type). Optional adaptor cables to suit specific phones are available, see LJUSB range for leads to suit your phone or GPS or MP3 player.

Type	Code
Micro-USB	BTHUN1IA
Lightning MFi	BTHUN2IA

**SmoothTalker®**  
ANTENNA COUPLER  
& POWER CHARGER

NOTE: SEE LJUSB CHARGER CABLE  
OPTIONS FOLLOWING THESE PRODUCTS



## SUCTION MOUNT UNIVERSAL PHONE HOLDER

### ANTENNA COUPLER WITH CHARGE OPTION - SEE LJUSB

This holder includes an on-glass suction mounting bracket that is adjustable in three planes. External antenna connector with an FME male end. Includes charging/data cables (Type). Optional adaptor cables to suit specific phones are available, see LJUSB range for leads to suit your phone or GPS or MP3 player.

Type	Code
Micro-USB	BTHUN1CAS
Lightning MFi	BTHUN2CAS

NOTE: SEE LJUSB CHARGER CABLE OPTIONS  
FOLLOWING THESE PRODUCTS (NOT FOR BTHUN2CAS)

**SmoothTalker®**  
ANTENNA COUPLER  
& POWER CHARGER



## ACCESSORIES PLUG MOUNT UNIVERSAL HOLDER

### ANTENNA COUPLER WITH CHARGE OPTION - SEE LJUSB

Smooth talker cradle is designed to conveniently plug directly into any car accessories socket power source and stay there. External antenna connector with an FME male end. Includes charging/data cables (Type). Optional adaptor cables to suit specific phones are available, see LJUSB range for leads to suit your phone or GPS or MP3 player.

Type	Code
Micro-USB	BTHUN1PA
Lightning MFi	BTHUN2PA

**SmoothTalker®**  
ANTENNA COUPLER  
& POWER CHARGER



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## UNIVERSAL HOLDER WITH DASH MOUNT & CHARGER

### CRADLE & POWER - NO ANTENNA

SmoothTalker cradle is designed to conveniently plug directly into any accessories socket power and allow it to conveniently mount in a separate cradle in a handy position for charging and holding. This cradle has adjustable padded holding arms which allows phones up to 80mm wide to be securely held in the cradle. Holding arms adjustment is activated via a push button on the side of the cradle. Micro USB.

Code  
BTHUN1C

**SmoothTalker®**  
POWER CHARGER



## UNIVERSAL CRADLE WINDSCREEN MOUNT & CHARGER

### CRADLE & POWER - NO ANTENNA

SmoothTalker cradle is designed to be mounted at a convenient location to allow the user to get the best view while the phone is recharging. This holder includes an on-glass suction mounting bracket that is adjustable in three planes. The cradle has adjustable padded holding arms which allows phones up to 80mm wide to be securely held in the cradle. Micro USB.

Code  
BTHUN1CS

**SmoothTalker®**  
POWER CHARGER



## UNIVERSAL CRADLE ACCESSORIES PLUG MOUNT & CHARGER

### CRADLE & POWER - NO ANTENNA

SmoothTalker cradle is designed to conveniently plug directly into any accessories socket power and held there for charging and positioning. The cradle has adjustable padded holding arms which allow phones up to 80mm wide to be securely held in the cradle. Holding arms adjustment is activated via a push button on the side of the cradle. Micro USB.

Code  
BTHUN1P

**SmoothTalker®**  
POWER CHARGER



## DASH MOUNT UNIVERSAL HOLDER WITH WIRED POWER

### CRADLE & POWER - NO ANTENNA

SmoothTalker cradle is designed to be installed and hardwired into the vehicle and the power cord is soldered or crimped directly to the vehicle fuse panel wiring or battery accessories line. The cradle can be mounted in a separate position for holding and charging. The swivel mounting bracket is adjustable in three planes. The cradle has adjustable padded holding arms which allow phones up to 80mm wide to be securely held in the cradle. Holding arms adjustment is activated via a push button on the side of the cradle. Micro USB.

Code  
BTHUN1I

**SmoothTalker®**  
POWER CHARGER



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# Communications

## DASH MOUNT UNIVERSAL PHONE HOLDER

### EXTERNAL ANTENNA CONNECTION ONLY

Smooth talker universal cradle can be used with any phone and includes antenna connection and a swivel bracket. The cradle and bracket permit rotation and swivel on three planes to enable versatile placement and orientation in the vehicle. This holder does NOT have built in charging capability.

Code  
BTHUN1A

**SmoothTalker®**  
ANTENNA COUPLER



## SUCTION MOUNT UNIVERSAL PHONE HOLDER

### EXTERNAL ANTENNA CONNECTION ONLY

Smooth talker universal cradle can be used with any phone and includes antenna connection and a suction bracket for mounting the cradle to glass. The cradle and bracket permit rotation and swivel on three planes to enable versatile placement and orientation in the vehicle. This holder does NOT have built in charging capability.

Code  
BTHUN1AS

**SmoothTalker®**  
ANTENNA COUPLER



## UNIVERSAL HOLDER WITH DASH MOUNT

### CRADLE ONLY - NO POWER & NO ANTENNA

SmoothTalker cradle features a robust full size phone holder with an adjustable swivel dash mount. The swivel mounting bracket is adjustable in three planes. The cradle has adjustable padded holding arms which allows phones up to 80mm wide to be securely held in the cradle. Holding arms adjustment is activated via a push button on the side of the cradle.

Code  
BTHUN1

**SmoothTalker®**



## UNIVERSAL HOLDER WITH SUCTION MOUNT

### CRADLE ONLY - NO POWER & NO ANTENNA

SmoothTalker cradle features a robust full size phone holder with an adjustable on-glass suction mount. The on-glass suction mounting bracket is adjustable in three planes. The cradle has adjustable padded holding arms which allows phones up to 80mm wide to be securely held in the cradle. Holding arms adjustment is activated via a push button on the side of the cradle.

Code  
BTHUN1S

**SmoothTalker®**



## CHARGER CABLES FOR UNIVERSAL CRADLE

### SUITS ANY UNIVERSAL PHONE HOLDERS WITH USB CHARGING FEATURE

SmoothTalker range of Universal Phone Holders ('1') already come with two universal charger cables: Micro-USB (Not Lightning cradles '2'). However, we also have available separate adaptor cables which connect the universal charging cradle to your unique phone charging port. See the following listing for the lead to suit your phone.

Brand	Models	Code
Apple	30 Pin	LJUSB3
Apple	Lightning MFi	LJUSBMF
HTC	11 Pin	LJUSB5
Nokia	2.0mm DC	LJUSB6
Samsung	20 Pin	LJUSB4
Universal	Micro-USB	LJUSB1
Universal	Mini-USB	LJUSB2

**POWER CABLE  
ADAPTOR LEADS**

**SmoothTalker®**



## SPARE PARTS FOR SMOOTHALKER CRADLES

Replacement parts to suit all SmoothTalker phone cradles.

Description	Code
Dash Mount	ST-DMH
Hard Wire Harness	ST-HWH
Car charger with cord	ST-CLA
Suction Cup mount	ST-SCM
Car Lighter mount	ST-CLM
Rotator Assembly	ST-ROT

**SmoothTalker®**



NOTE: SEE LJUSB CHARGER CABLE OPTIONS FOLLOWING THESE PRODUCTS





## □ Aerpro Cradles & Holders

### AERPRO SIMPLE DOCK HOLDER & CHARGER FOR SMARTPHONES WITH MICRO USB PORT

The Aerpro simple dock holder and charger allows users to keep the smartphone secure while charging at your car. The holder supports Android or Windows smart phones with micro USB port and with width between 50-93mm.

Holder for Android or Windows smartphone with a micro USB connector.  
(Fit devices and cases between 50 to 93mm wide).

USB cable for charging the docked device by connecting it to a USB charging port on your car. (may required a USB car charger if no USB charging port is available on the head unit of your car)

It can be mounted to the dashboard or the console using the adhesive tape supplied or screw mounted using the supplied screws.

Flexible adjustable and protective arms to secure your smartphone.

360° Swivel head and angle adjustor for best viewing.

Quick release button.

Suits

Code

Android & Windows Smartphone with micro USB APH490



### AERPRO SIMPLE DOCK HOLDER & CHARGER FOR APPLE IPHONE 5/6

The Aerpro simple dock holder and charger allows users to keep the smartphone secure while charging in your car. The holder can mount your latest iPhone on the dashboard or console of your car.

Guaranteed iPhone Compatibility. Suits iPhone 5, 5s, 5c, 6, 6+

Holder for iPhone with Lightning connector

Suits the Apple iPhone 5, 5S, 5C, 6 and 6+ models.

USB cable for charging the docked device by connecting it to a USB charging port on your car. (may required a USB car charger if no USB charging port is available)

It can be mounted to the dashboard or the console using the adhesive tape supplied.

Flexible adjustable and protective arms to secure your smartphone.

360° Swivel head and angle adjustor for best viewing.

Quick release button.

Suits

Code

Apple iPhone 5, 5S, 5C, 6, 6+ APH480



### AERPRO SMART DOCK WITH SUCTION MOUNT FOR APPLE IPHONE 5/6

The 3 in 1 smart docks offers recharging, handsfree and FM radio functionalities.

Guaranteed iPhone Compatibility. Suits iPhone 5, 5s, 5c, 6, 6+

The holder includes an adjustable dock for iPhones with Lightning connector to suit iPhone 5, 5s, 5c, 6 & 6+.

The ADM2401 features a suction mount base for windscreen mounting.

360° swivel head, and angle adjustor to suit your viewing angle.

FM transmission frequency range 88.1 - 107.9MHz. It has inbuilt auto scan functionality for easy quick set up at best frequency position.

Clear LED display works great in daylight or dark conditions.

An USB 2.4A 12/24V charger is included to charge your docked iPhone.

Flexible adjustable padded arms for secure grip on your smartphone.

Quick release button.

Suits

Code

Apple iPhone 5, 5S, 5C, 6, 6+ ADM2401



### AERPRO SMART DOCK WITH GOOSENECK STEM FOR APPLE IPHONE 5/6

#### 3 IN 1 FM TRANSMITTER HOLDER & CHARGER

The 3 in 1 smart docks offers recharging, handsfree and FM radio functionalities.

Guaranteed iPhone Compatibility. Suits iPhone 5, 5s, 5c, 6, 6+

The holder includes an adjustable dock with Lightning connector

The ADM2400 features a flexible goose neck stalk to mount the holder to the car's accessory port

360° swivel head, and angle adjustor to suit your viewing angle.

FM transmission frequency range 88.1 - 107.9MHz.

It has inbuilt auto scan functionality for easy quick set up at best frequency position.

Clear LED display works great in daylight or dark conditions.

Superior fast 5V 2.4A built-in USB charger with charging cable.

Flexible adjustable padded arms for secure grip on your smartphone.

Quick release button.

Car accessory charger point.

Suits

Code

Apple iPhone 5, 5S, 5C, 6, 6+ ADM2400







# Communications

## □ Cradles & Holders

### WINDSHIELD MOUNT CRADLE - PHONE SPECIFIC

#### CHOOSE TO SUIT YOUR PHONE

Available in vertical and horizontal clips to suit popular models. Windscreen suction cup type. May come with goose neck or adjustable armature.

Image may differ from stock. Some are goosenecks and some articulated, gimble, etc.

**MULTI-BRAND**

Brand	Model.	Type	Code
Apple	iPad	360°	CRA9032
Apple	iPhone 3G	Horizontal	CRA9002
Apple	iPhone 3G/4	360°	CRA9004
Apple	iPhone 4	360°	CRA9020
Apple	iPhone 4	Horizontal	CRA9021
Apple	iPhone 5/5S	360°	CRA9050
Samsung	Galaxy S	Horizontal	CRA6403
Samsung	Galaxy S2	Horizontal	CRA6457

See [www.cellink.com.au](http://www.cellink.com.au) for your model phone.

### WINDSCREEN MOUNT - PHONE OR TABLET

#### HEAVY-DUTY SUCTION CUP

90mm Suction cup grip. Secures to windshield. Arm Angle Adjustment. Ball & Socket head. Heavy-Duty design. Universal cradle 100mm to 45mm.

Size	Code
45mm - 100mm	CRA53



#### WIDE VERSION

Size	Code
100mm - 210mm	CRA60



TABLET NOT INCLUDED

### WINDSCREEN MOUNT - TABLET

#### SUITS TABLETS & iPADS®

Suitable for iPad® and Tablets. Adjustable height and angle. Supports both horizontal & vertical viewing. Easily mounts on glass.

Code
APH362



### WINDSHIELD MOUNT - GOOSENECK 6"

#### 360° ROTATION HEAD

Neat stylish design. Suits any size PDA/Cellular Phone/GPS/Digital Media Player etc. Device holder can be rotated 360 degrees. Firm reliable suction grip. Flexible goose neck stem allows easy positioning to suit your viewing angle. Also comes with vent clip. Smooth clamping action.



Code
APH355



### WINDSHIELD MOUNT - GOOSENECK 8"

#### 8" GOOSENECK

70mm Suction cup grip secures to windshield. 130mm bendable arm twists to all angles and will not sag. Universal cradle 110mm To 45mm fingers.

Code
CRA51



### WINDSHIELD MOUNT - GOOSENECK 10"

#### 10" GOOSENECK

75mm Suction cup grip secures to windshield. 150mm bendable arm twists to all angles and will not sag. Universal cradle 100mm To 45mm fingers.

Code
CRA52



### WINDSCREEN MOUNT - SLATE & TABLET PC

#### UNIVERSAL LOCKING JAWS

Adjustable claws hold various tablets, slates, iPads®, etc. Felt & rubber grips. Position locking. 90mm suction cup. Adjustable grip.

Size	Code
100mm - 210mm	CRA60
200mm - 300mm	CRA57



All product and company names are trademarks™ or registered® trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.





## WINDSHIELD MOUNT - 3x AXIS

### 3x AXIS 6" ARM

70mm Suction cup grip secures to windshield. 150mm stand-off arm. Adjust & Locks in place Rotates, pivots, tilts. Universal cradle 100mm To 45mm fingers.

Code  
CRA50

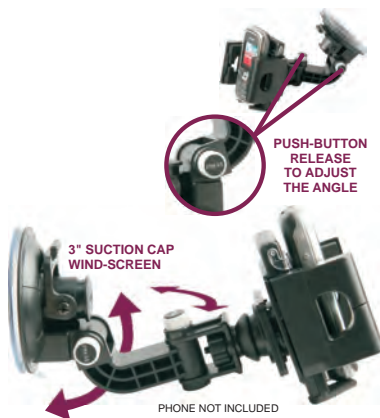


## WINDSHIELD MOUNT - PUSH BUTTON ADJUST

### PUSH-BUTTON ADJUST

90mm Suction cup grip secures to the windscreen. Arm angles are button release & adjust type. Heavy-Duty design universal cradle 105mm To 45mm.

Code  
CRA56



## WINDSCREEN MOUNT - LARGE CRADLE

### GPS TYPE HEAD

90mm Suction cup grip. Secures to windshield. Arm Angle Adjustment. Ball & Socket head. Heavy-Duty design. Universal cradle 70 to 150mm Fingers.

Code  
CRA54



## GELPAD SUCTION PHONE HOLDER

Holder for Smart phones  
Compact suction holder  
Rotates 360 degrees  
Adjustable angle

Washable & reusable sticky mount  
Fits devices and cases up to 50-90mm wide

Code  
APH363



## SUCTION MOUNT HOLDER

### WINDSCREEN MOUNT

Suitable for iPhone® and Smartphone. Adjustable rotation 360 degrees. Adjustable holding height from 100mm to 140mm. Width from 42 to 73mm.

Code  
APH359



## SUCTION CRADLE

### WINDSCREEN MOUNT

Compact suction holder  
Suitable for all smart phones  
Adjustable positions  
Rotate your phone to desired position  
One touch auto grip

Code  
APH320



## UNIVERSAL WINDSHIELD HOLDER

Holder for Smart phones  
Adjustable to hold all types of Phones, PDA, Smartphone, MP3/4 devices  
360 degree rotation plate for desired position, vertical or horizontal  
Easy to operate suction rotary lock/release design  
Flexible adjustable arms for firm grip  
Fits devices and cases up to 55-85mm wide

Code  
APH150



## BIKE MOUNT HOLDER FOR PORTABLE DEVICES

Adjustable to hold all types of mobile phones, Smartphones, GPS & MP3/4 devices. Slim compact design. Rotating bike mount with 360 degree flexible swivel base  
Flexible adjustable padded arms for firm grip  
Adjustable arm for best viewing angle  
Fits devices and cases up to 45-90mm wide  
Quick release button  
Folding base stand

Code  
APH600







# Communications

## ACCESSORIES SOCKET CRADLE WITH USB

Accessories Socket Adaptor / USB with Phone Holder. 360 degree rotation for vertical or horizontal mode. Suitable for all types of mobile phones, smart phones, PDA, GPS & MP3/MP4 devices between 4-11 cm. Turn this collar section to expand or contract the Accessories plug for 20 or 22mm sockets.



Code  
APH350S

## DUAL ACCESSORIES SOCKET CRADLE

Twin Accessories Socket Adaptor with Phone Holder. 360 degree rotation for vertical or horizontal mode. Suitable for all types of mobile phones, smart phones, PDA, GPS & MP3/MP4 devices between 4.5-10.5cm. Turn this collar section to expand or contract the Accessories plug for 20 or 22mm sockets.



Code  
APH300S

## ACCESSORIES SOCKET CRADLE WITH USB

Single Socket Adaptor & Single USB Port with Phone Holder. Powers one 12V and one 5V accessory at the same time. 180 degree rotating function. Turn this collar section to expand or contract the Accessories plug for 20 or 22mm sockets.



Code  
APH250S

## DUAL ACCESSORIES SOCKET CRADLE

Twin Accessories Socket Adaptor with Phone Holder. Powers two 12V accessories at the same time. 180 degree rotating function. Phone holder suitable for all types of mobile phones, smart phones, PDA, GPS & MP3/MP4 devices between 4.5 -9.0cm. Turn this collar section to expand or contract the Accessories plug for 20 or 22mm sockets.



Code  
APH200S



## PHONE HOLDER CHARGER

### ACCESSORIES PLUG TYPE

Suitable for Phone or Portable device. 12V Plug and 5V 1.5A USB Socket. Quick speed and high efficiency charging. Adjustable rotation 360 degrees. Adjustable holding height from 110mm to 140mm. Width from 45 to 75mm.



Code  
APH360

## UNIVERSAL PHONE HOLDER CHARGER

Phone holder to suit Android/Apple® (including iPhone 5®) with dual USB charge and power socket (Max. 3A)

Code  
ADM1300



## HEADREST TABLET MOUNT

### SUITS TABLETS & iPADS

Suitable for iPad® and Tablets. Adjustable height and angle. Supports both horizontal & vertical viewing. Easily mounts on rear of Seat headrest.

Code  
APH361



## HEADREST TABLET STAND

Universal travel mount is a plastic mount for portable DVD and tablet or mini-notebook type units. Designed to be positioned to the back of the front seats of your car. Adjustable arms from 200 to 250mm.

Colour Black  
Code OMB06200







## UNIVERSAL CUP MOUNT HOLDER

Universal Phone holder suitable for Smartphone, PDA, Mini GPS & MP3 Players. Slim compact design One touch release Attaches to Cup mount holder 180 degree rotation for desired position, Vertical or Horizontal.

Code  
APH500



## VENT MOUNT MOBILE PHONE HOLDER

### SUITS MOST PHONES

Easily attaches to the dash air vents to hold your mobile phone. Padded adjustable jaws push-grip for firm hold 35-60mm suits most sized mobiles. Black.

Code  
CRA40



## UNIVERSAL PHONE HOLDER TO BRACKETS

### ADJUSTABLE CRADLE

Padded adjustable jaws spring grip firm hold 40-47mm suits modern sized mobiles. Black. Requires mounting bracket and screws.

Code  
CRA20



## VISOR CLIP SMARTPHONE HOLDER

Attaches to sun visor via clamp 360 degree rotation Flexible adjustable padded arms for firm grip Fits devices and cases up to 55-90mm wide

Code  
APH450



## SMARTPHONE HOLDER WITH VENT CLIP

360 degree rotation for desired position Adjustable angle Rotating spring loaded air vent clip Flexible adjustable padded arms for firm grip. Fits devices and cases up to 55-90mm wide

Code  
APH470



## ADJUSTABLE UNIVERSAL CRADLE

### FINGER HOLD ADJUST

Smartphone mini cradle. Rotates 360 degrees. Adjustable angle. Fits devices and cases up to 50-70mm wide.

Code  
APH357







# Communications

## □ Cradles & Holders - Snap Base

### UNIVERSAL CRADLE & PATCH CABLE

#### MOBILE ANTENNA PATCH

Padded Phone holder adjustable fingers. Inbuilt coupler with FME Male fly lead out for external antenna. Requires mount option & antenna. Two sizes for phones or larger Galaxy Note 3, etc. Compatible with Multi-Band GSM, Next-G, 3G.

Size	Width	Code
100x55mm	40mm to 115mm	CAL9002
150x55mm	50mm to 110mm	CAL6514

These brackets are universal and there is also a range specific to vehicle models for a professional installation.



### SNAP-BASE SUCTION CUP ARM

#### WINDSCREEN SUCTION CUP

65mmØ heavy-duty suction cup 110mm stand-off 30° angled with Ball-in-socket angle adjustment and screw lock Suits CAL9002 & CAL6514 cradle (clips on back of)

Code  
MNT78



### SNAP-BASE ADAPTOR SUIT STANDARD BRACKET

#### SCREW MOUNT SYSTEM

Screw base with angle, tilt and rotate joint. Includes 3M adhesive foam tape for sticking to a flat surface. Screw mounting holes 30x40mm for "Standard Mount". Snap-Base system is adaptable to the metal brackets available from Cellink.

Suits DS1200,  
DS1300, CAL9002.

Code  
MNT1201



### SNAP-BASE VENT CLIPS

#### REQUIRES CRADLE

Clips on to air conditioning vents on the dash of your car. Excellent no-scratch solution for phone holder install.

Suits DS1200, DS1300,  
CAL9002.

Code  
MNT1202



### SNAP-BASE GOOSE NECK

#### SUCTION CUP

Windscreen mount with 70mm suction cup. 250mm long bendable arm.

Suits DS1200,  
DS1300,  
CAL9002.

Code  
MNT76



### SNAP-BASE VENT CLIPS DELUXE

#### BALL-SOCKET JOINT

Adjustable angle.

Suits DS1200,  
DS1300,  
CAL9002,  
CAL6514

Code  
MNT70



### SNAP-BASE DASH STICK ON

#### BALL-IN-SOCKET MOUNT

Adjustable swivel in all directions.

Quality M3 adhesive 30x50mm.

Suits DS1200,  
DS1300,  
CAL9002,  
CAL6514

Code  
MNT72







## □ Brackets

### UNIVERSAL DASH-MOUNT BRACKETS

#### SUITS MOST DASH-MOUNT TYPE CRADLES

The following brackets have multiple mounting holes to suit a majority of dash-mount cradles including SmoothTalker and Aerpro



### UNI-JOINT MOUNTING BRACKET

#### ADHESIVE BACKED

Dual axis 180° x 360°  
Points any direction  
Position lock screws  
45x45mm x 60mm 3M®  
for maximum grip

Code  
MNT50



### CLAM SHELL BRACKET

#### 180° TILT

Metal construction. Thumb-screw locking black enamel paint.  
Includes screws 60x55x20mm.

Code  
CSM10



### “Z” MOUNTING BRACKET

#### 270° DOUBLE TILT

Fully adjustable dual elbow type stand-off bracket.  
Metal construction.  
Screw driver lock  
65x50 face  
30mm to 90mm

Code  
CSM81



### GOOSE NECK

#### 330mm FLEX SPRING

With wire through  
15mm diameter  
neck 45mm  
round base to  
common square.  
45x55mm base  
40x30mm holes.  
Black all metal.

Code  
MPB-GN



### BENT BRACKET LONG 40+240mm

L Shaped bracket  
Suits Lexus, etc.  
Base 240x50mm  
Phone 42x50mm

Code  
MPB1892



### BENT BRACKET LONG 40+240mm

L Shaped bracket  
Base 248x80mm  
Phone 39x80mm

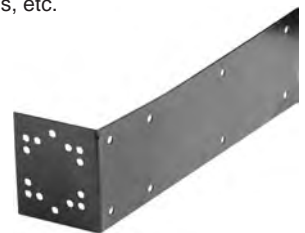
Code  
PB27



### BENT BRACKET LONG 60+240mm

L Shaped bracket MG & Mercedes, etc.  
Base 243x75mm  
Phone 60x75mm

Code  
MPB1222



### DIN BRACKET

DIN size bracket Elbow stand-off 20mm  
Base 190x60mm  
Phone 39x60mm

Code  
PB65



### DIN SIDE BRACKET

General purpose mounting bracket with multiple holes to suit universal applications.  
May fit down the side of a DIN car stereo.

Code  
MPB1405







# Communications

## BENT BRACKET 40+30mm

R/A Pocket mount Suit  
Toyota Camry, etc.  
Base 32x50mm  
Phone 42x50mm

Code  
PB74



## BENT BRACKET 50mm

L Shaped bracket  
Base 36x50mm  
Phone 41x50mm

Code  
MPB1400



## ANGLED BRACKET

45 Base Plate Forward fascia  
Suit Statesman Kingswood, etc.  
Stand-Off 25mm  
Base 18x50mm  
Phone 50x50mm

Code  
MPB1450



## BENT BRACKET 80mm

L Shaped bracket  
Base 70x80mm  
Phone 39x80mm

Code  
PB28



## BENT BRACKET 70mm

L Shaped bracket  
Base 54x70mm  
Phone 68x70mm

Code  
MPB1777



## SHORT PLATE

Use to raise the height of your phone  
bracket or Adapt brackets & Mount  
solutions or behind support for bolts, etc.

Size Code  
88x42mm MPB-BP2



## BACKING PLATE

Adapt brackets Mount  
solutions or behind  
support for bolts, etc.

Size Code  
55x50mm MPB-BP1



## MOBILE PHONE BRACKET

L Shaped bracket  
for mobile phone  
bracket mounting.

Code  
MPB1410



## BENT BRACKET UNIVERSAL

Asymmetrical  
bracket with  
tapered arm and  
multiple angle  
mounting holes.

Code  
MPB1404



## TO SUIT SPECIFIC CAR MODELS

Specifically designed  
brackets to suit specific  
models of vehicles.



## AUDI

Hook & Hold No screws Suits many Audi models  
Base 9x52mm  
Reach 32mm  
Phone 72x52mm

Code  
PB86



## BMW EARLY

U Bracket 3 5 7 Series and Z3, etc.  
Base 49x65mm  
Reach 38mm  
Phone 80x65mm

Code  
PB73



## FORD FALCON AU

Base 52x44mm  
Reach 16mm  
Phone 52x48mm

Code  
PB72



## FORD FALCON AU-II

Base 40x38mm  
Reach 28mm  
Phone 56x50mm

Code  
MPB1444  
PB79



MPB1444 HEAVY-DUTY VERSION

## FORD FALCON BA-BF

Custom suits Ford Falcon BA to BF & Territory.  
RIGHT HAND Reach 48mm, Phone 50x50mm

Code  
MPB1005



## FORD FALCON EF-EL

L Shaped bracket Suits EF-EL Falcon and others.  
Base 72x50mm  
Phone 43x50mm

Code  
PB71



## FORD FALCON G SERIES

Code  
MPB1410



## FORD RANGER & MAZDA BRAVO

Code  
MPB1401







## HOLDEN ASTRA

Custom suits Holden Astra

Base 27x38mm

Reach 30mm

Phone 50x50mm

Code  
MPB1615



## HOLDEN COMMODORE VP-VS

Tilt bracket for Commodore Ashtray area.

Base 24x80mm

Length Code

80mm MPB1319

50mm PB69

MPB1319 HEAVY-DUTY VERSION



## HOLDEN COMMODORE VT-VX

Double bend L Custom fits Commodore Radio area

Base 54x44mm

Reach 14 & 5mm

Phone 55x50mm

Code  
PB66



## HOLDEN COMMODORE VY-VZ

Tri-bend L Custom fits Commodore Radio area

Base 17x62mm

Reach 25mm

Phone 44x50mm

Code  
PB68



## HOLDEN COMMODORE VY-VZ

Custom fits Commodore Above-right Vent area

Does not interfere with drink holders

Reach 75mm

Phone 44x54mm

Code  
PB67



## HOLDEN VECTRA

Double bend L Custom suits Holden Vectra

Base 34x44mm

Reach 18mm

Phone 55x50mm

Code  
MPB1888



## MITSUBISHI 380

Customised bracket Suits Magna using existing bolts and fixtures.

Base 40x17mm

Reach 40mm

Code  
PB77



## MITSUBISHI PAJERO

Customised bracket Suits Pajero using existing bolts and fixtures.

Phone 40x45mm

Code  
PB87



## SUBARU

Angle bracket Air vent area 2 tag base

Base 16x50mm

Reach 25mm

Code  
MPB1555



## TOYOTA AVALON

Double tilt Custom suits Toyota Avalon

Base 24x54mm

Reach 48mm

Phone 44x54mm

Code  
MPB1333



## TOYOTA CAMRY

120 L Shaped bracket Tapered base for dash

Suit Toyota Camry, etc.

Base 68x35mm

Phone 52x50mm

Code  
MPB1500



## TOYOTA HILUX 2005-2011

Custom suits Toyota Hilux

Base 67x25mm

Reach 42mm

Phone 50x55mm

Code  
PB76



## TOYOTA LANDCRUISER 200 SERIES

Code  
MPB1402



## TOYOTA CAMRY 2007+

Code  
MPB1409



## TOYOTA UTE

PRADO HIACE KLUGER TOYOTA V8

Code  
MPB1403



## UNIVERSAL DASH-MOUNT BRACKETS

### SUITS MOST DASH-MOUNT TYPE CRADLES

The following brackets have multiple mounting holes to suit a majority of dash-mount cradles including SmoothTalker and Aerpro







# Communications

## Bluetooth Solutions

### Car Handsfree - Installation Type

#### DRIVESAFE 5000 INSTALLER KIT WITH PHONE BOOK DISPLAY

The DS5000 is a handsfree car kit for manual Installation. It is a feature packed Bluetooth® Car Kit with Phone Book synchronisation. Includes a base CPU for behind dash installation and an on-dash display unit with control buttons. Wires into existing car stereo speaker connections (ISO) or use an optional external speaker (3.5mm).

- DSP Bluetooth® car kit
- Phone book synchronisation
- Support 4 phone books
- Maximum 2000 phone contacts
- Incoming calls through car speaker
- With auto car stereo music mute
- Announce caller telephone no
- Call transfer and Call waiting
- 40 calls memory for recall
- Rotary volume control & menu
- LCD display 128x64 dot matrix



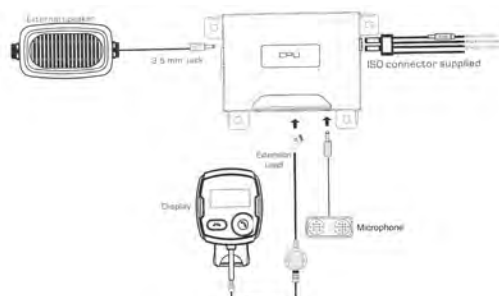
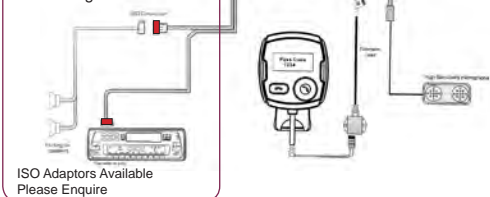
Bluetooth® V2.0  
Pairable for 4 devices  
Profile : Headset and Handsfree  
Frequency : 2.4 G  
Max. Communication Distance 10M



#### CONNECTS TO EXISTING STEREO SPEAKERS

Code  
DS5000

Common ISO Connectors for directly connection to an existing car stereo



#### BLUETOOTH HANDSFREE CAR VISOR - CELLINK

##### DUAL PHONE SLIM VISOR MOUNT

Full duplex with echo cancelling and DSP Noise Reduction.  
Multi-point connection to two phones at the same time.

- Last Number redial
- Call transfer back to phone
- Support voice dialing
- Text to speech modes
- Volume up and down
- Mic mute on/off
- Last number redial

Bluetooth® 2.1 + EDR  
Pairable device: memorised 8 pcs  
Profile: Headset / Handsfree  
Max. operating distance: 10M  
Talk time: Up to 50 hours  
Standby time: 500 hours  
Charge Time: <3 Hours  
Unit size: 120 x 58 x 12.8mm

Code  
DS4500







## □ Car Handsfree - No Installation Type

### BLUETOOTH HANDSFREE WITH FM - COMPACT

#### HANDS FREE THROUGH CAR STEREO

Connects to your phone via Bluetooth®. Connects to any car audio system via the FM Radio via built-in transmitter or via 3.5mm AUX audio. No installation required solution. Inbuilt advanced microphone pickup Noise cancelling and reduced echo, etc. Includes 3.5mm stereo audio output on the unit for directly connecting to an audio amplifier (Car Stereo 3.5mm input) or use as a mini personal Bluetooth receiver with headphone output. Automatically mutes audio and switches to the call. Updates any car audio system to a modern Bluetooth® handsfree compatible unit that plays stereo audio from your phones media player! Extra compact. Rechargeable (charger inc.) with Volume, FF/REW, Play/Pause, Answer/Hang-up button control. Very compact: 33x56x14mm

Code  
ABT300



### BLUETOOTH HANDSFREE KIT - CAR VISOR

#### CAR VISOR MOUNT

Universal Handsfree Bluetooth® Speaker Phone car kit Full duplex. DSP: Noise suppression processor and built-in echo cancellation. Built-in rechargeable battery. Bluetooth® V2.0+EDR, Class II Range up to 10 metres. Charging time approx 2-3 hours. Use time; Up to 4 hours. Standby time: Up to 30 days. Compatible with Bluetooth® enabled mobile phones. Controls for volume and answer/hang-up button. Visor clip & 12V Charger.

Code  
ABT350



### BLUETOOTH HANDSFREE KIT

#### CAR DASH MOUNT

Bluetooth® handsfree car kit with DSP echo cancellation

- Bluetooth® V2.0 CSR BC5
- Bluetooth® profiles: HSP,HFP
- Function range: 10 Metres
- Charging Time: 4 hrs
- Talk time: 10 hrs
- Standby time: 168 hrs
- Dimension: 90x 47x15mm
- Full DSP Echo cancellation
- Call transfer between
- Car kit and Phone

Code  
ABT500



### BLUETOOTH HANDSFREE AUX RECEIVER

The Aerpro ABT510B is a universal Bluetooth handsfree car kit suitable for all vehicles with AUX input and for all mobile devices with Bluetooth. The ABT510B is both easy to use and easy to install, with up to 5hrs talk time, Bluetooth streaming, high capacity built in rechargeable battery, echo and noise cancelling and with a micro USB charging cable the ABT510B is ideal for anyone wanting to make calls or stream music.

Code  
ABT510B







# Communications

## □ Audio Products

### BLUETOOTH STEREO RECEIVER WITH NFC

#### NFC - Near Field Communications

- NFC Quick Link Support for Auto-Pairing.
- Supports pairing with up to 8 devices
- Bluetooth® V3.0+EDR A2DP
- Apt-X Lossless and SBC Codec Support
- Up to 48KHz 16 Bit stereo. 20-20KHz 100dB
- Dual simultaneous outputs: Digital and Analogue:
- S/PDIF Optical output: For pure digital audio connection, ideal for connecting to AV Receivers
- 3.5mm stereo output: For connection to any active speaker system or amplifier, headphones, etc.
- Toslink Optical Output (Requires S/PDIF lead)
- 3.5mm output (M-M & M-RCA lead supplied)
- 5Vdc power pack supplied
- Status/connected LED Indicator
- Compact 75x70x22mm



NFC



#### Code

BTR-1700NFC

### BLUETOOTH MUSIC RECEIVER ANALOGUE

Play music wirelessly through your home stereo or active speakers with this Bluetooth® receiver, no need to bother with cabling problems anymore, put the speakers wherever you want, sit back and listen.

- Compact, portable receiver with 3.5mm stereo line level output
- Connect to your HiFi or portable powered speakers (Requires lead)
- Bluetooth® V2.0 with EDR for superior wireless audio performance
- Transmission distance: up to 10 metres
- Compatible with all A2DP stereo Bluetooth® enabled devices, such as iPhone®, iPod®, Smartphone, cell phone, computers, etc.
- Inbuilt rechargeable battery for true wireless operation
- Plug and play, very easy to pair and use
- Requires USB Source for charging
- Compact size: 60 x 36 x 15mm



#### Code

CBH40



Stereo, speakers, and peripherals not included

### BLUE-HUB STEREO AUDIO AMPLIFIER & BLUETOOTH RECEIVER - STUDIO ACOUSTICS

#### STUDIO-ACOUSTICS 50W STEREO

The Blue-Hub from Studio Acoustics is a compact amplifier that makes it easy to play music on your speakers from any Bluetooth® media device. Modern styling is compact and simple to setup and easy operate. The Blue-Hub can take input from a wireless Bluetooth® device, or from a 3.5mm Aux Input connection. It has an AUX output (RCA) for connection to an external amplifier. Or use its built-in 50 Watt amplifier for a stereo speaker output to connect to your 4-8 ohm speakers.

- Front controls are Power, Volume +/-
- Rear switch for Bluetooth® or AUX in.
- Stereo Power Output: 50W total
- DC Power Input: 24V 2A
- Auxiliary Input: 3.5mm Stereo
- Auxiliary Output: 2 x RCA
- Bluetooth® Version: 3.0+EDR
- Boosted antenna Range: Up to 25M
- Frequency Response: 50Hz-20KHz
- Mount Horizontal or Vertical stand

#### Code

SABH1



### BLUETOOTH STEREO 20W AMPLIFIER RESI-LINX

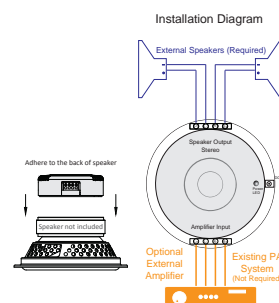
#### ALLOWS SPEAKERS TO PLAY AUDIO FROM BLUETOOTH DEVICES

20 Watt RMS amplifier module with 3.0+EDR Bluetooth® Receiver that connects to any in-ceiling / in-wall speaker. Ideal for any installation.

- 20 Watt RMS Stereo (L+R) Amplifier Class-D
- Built in Bluetooth® 3.0+EDR Stereo Receiver
- Up to 20M Range to Bluetooth® Transmitter
- Optional input from external Amplifier - Bluetooth® works like local input and overrides Amplifier
- Attaches / connects to any pair (x2) of speakers
- Easy to install - Can mount direct to speaker
- Includes 15V Power Supply

#### Code

BTA-1000



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## MINI WIRELESS BLUETOOTH SPEAKER

### PORTABLE & RECHARGEABLE

Compact portable Bluetooth® speaker with stylish design metallic case  
Expanded Bass Xpansion System in a compact 50x60mmØ 230g  
Supports TF card MP3 playback and AUX input 3.5mm  
Built-in microphone included for phone hands free answering  
Requires Micro-USB Charger (USB Lead included)  
Built-In 520mAh rechargeable battery for up to 5 hours use

#### Colour Code

Black	SPK1022BK
Blue	SPK1022BU
Red	SPK1022RD



## PORTABLE BLUETOOTH SPEAKER STUDIO ACOUSTICS

The Studio Acoustics portable Bluetooth® speaker is a compact Bluetooth® speaker that has a built-in rechargeable Li-ion battery, a rubber handle for carrying around and handy and powerful LED lamp. It produces excellent quality sound for its small size. The battery can power the speaker for up to 4 hours of quality audio, and 6 hours of LED light. The speaker can be connected with a audio source through either a 3.5mm audio cable through the built in line input or through a Bluetooth® connection, which is very convenient for many mobile devices such as smartphones, iPod, MP3 players, etc. Mains charger, a micro USB charging cable and a 3.5mm Male to male line cable are included.

- Compact and lightweight, only 640g.
- Built in rechargeable Li-ion battery
- Up to 4 hours of quality audio
- Up to 6 hours of powerful LED light
- LED night light with dimmer function
- Mobile handsfree capability
- IP4X Water resistance level
- Includes a micro USB SAA adaptor + charging cable and a 3.5mm line audio cable
- Size: 190x95x95mm

Code  
SA126BTL



## 2.1 SPEAKER SYSTEM WITH BLUETOOTH

### LISTEN TO MUSIC VIA A WIRED SOURCE OR FROM BLUETOOTH

Subwoofer and amplifier module with 2x external high-range 2-way speakers (2.1). Input via 3.5mm or Wirelessly via Bluetooth®.  
Compact full-audio sound in a modern package

- Input type: Bluetooth® or 3.5mm auxiliary
- Power Output: RMS 8W x 2 + 18W
- Signal to noise ratio: ≥85dBA
- Master volume and bass adjustment dial on subwoofer
- Satellites: 90x158x100mm
- Subwoofer: 164x192x278mm

Code  
SPK1025



## DAYTON HI-FLY MULTI-ROOM WI-FI AUDIO

### MARK2-WF BLUETOOTH / WI-FI SPEAKER

- The most affordable and feature-rich Wi-Fi speaker available today
- No wiring necessary and easily connects to existing Wi-Fi networks
- Fill your space with energetic sound complete with rich tones and deep bass from a full range 5 driver hi-fi audio speaker system
- Combine multiple MARK2 speakers and/or WFA02 adaptors to create an app-controlled multi-room audio system
- Stream music from your phone, Pandora, Spotify, your home network and more, or connect directly via Bluetooth.

Code  
MARK2-WF



#### DAYTON HI-FLY SYSTEM

Use on its own as a Bluetooth receiver or expandable to a house wide Wi-Fi System with other Hi-Fly components.







# Communications

## Bluetooth Headset

### KOSS BT540i BLUETOOTH HEADPHONE

- Full size noise isolating memory foam earpads
- Maximum wireless range of 30 metres
- Rechargeable Lithium battery for up to 8hrs
- Battery charge time from empty to full 2 hours
- Folds flat for portability + Protective carry case
- Deep bass and extended treble response
- Detachable 1.4m audio cable
- 3.5mm Stereo plug & 6.3mm adaptor
- 8 Ohms, Response 10-25,000Hz



Plug	Colour	Code
3.5mm Stereo	Black	BT540I



### BLUETOOTH HEADPHONE

#### ELEGANT DESIGN WITH BUILT-IN MIC & AUDIO LINE-IN

Listen to music wire free from your smartphone, tablet, laptop, and other Bluetooth® enabled audio players with this Bluetooth® wireless headphone. Professionally tuned for superior acoustics with Ver.3.0 Bluetooth®. Up to 20 hrs play time after fully charged. Up to 20M Operation range. Light weight, adjustable headband. With built-in microphone, you can also use it for Skype and gaming. Rechargeable through the micro USB port with the supplied charging cable. Also supports audio line-in with an included 3.5mm headphone lead.

Code
HPB618BK



### BLUETOOTH HEADPHONE - NECK BAND

Foldable neck-band Stereo headphone set. Listen & control music from a multimedia phone or optional transmitter. Volume, FF/Rew, Answer. Hands-free mic inbuilt 240V/USB Charger Inc.

Weight	Size	Code
47g	136x60mm	CBH879



### BLUETOOTH EARSET

Bluetooth® 1.2 and 2.0. Up to 10m. Talk 6 hours. Standby 200 hours. Comfortable to use with an adjustable earloop. Supplied with USB charger cable only.

Weight	Size	Code
6.5g	38x18x10mm	CBH1009



### BLUETOOTH EARMUFFS

Listen to music & Answer the phone!

Ear protection with 3.5mm aux input, built-in AM/FM Stereo Radio & Bluetooth® cordless hands free to answer your phone. Requires 3x "AAA" Batteries.

Code
ABA830



### BLUETOOTH CLIP ON HEADSET WITH MIC

#### BLUETOOTH® 4.0

The high definition Bluetooth® stereo clip on receiver and earphone offers clear quality sound. It can be used with smartphone and other media devices that are compatible with Bluetooth® 4.0 standard. It has 2 components. The receiver is for transferring audio from your Bluetooth® to your earphone wirelessly, you can also answer calls with the built-in mic like a handsfree device. At the back of the receiver, it has a convenience collar clip. The other components is a 3.5mm earphone that plays high quality audio.

Code
CBH035



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## BLUETOOTH EARPHONE WITH MIC - DUAL CONNECTION NFC

### BLUETOOTH® 4.1

The dual connection waterproof stereo Bluetooth® earphone uses the latest Bluetooth® 4.1 technology. It can connect to two Bluetooth® devices at the same time which is convenient if you are carrying two smartphones, or one mobile and a tablet. This earphone has two noise cancelling built-in mic and vibration alert for answering the phone. It also support NFC for easier pairing. The earphone is powered by rechargeable Li-ion battery and can be recharge with the included charging cable.

- Working time: Up to 8 hours
- Standby time: 240 hours
- Output: 0.125W x2
- Microphone:-45dB
- Charging Voltage: DC5V 0.5A
- Charging time: 2 hours

Code  
CBH621



## BLUETOOTH EARPHONE WITH MIC

### BLUETOOTH® 4.0 "SMUSHROOM BY DON SCORPIO"

The premium sporty Bluetooth® stereo earphone is light and portable. The specially designed ear piece has an ergonomic shape and is designed to fit nicely to your ear, and it is comfortable to wear. The earphone is made with sweat-proof material and it is suitable to use while you are exercising. The earphone is compatible with smartphone and devices that use Bluetooth® 4.0, it has a built-in mic for answering calls. It is rechargeable through a micro USB port and a charging cable is included.

- Portable lightweight and sweat-proof design
- Built-in microphone
- Built-in rechargeable Li-ion battery

Code  
CBH037



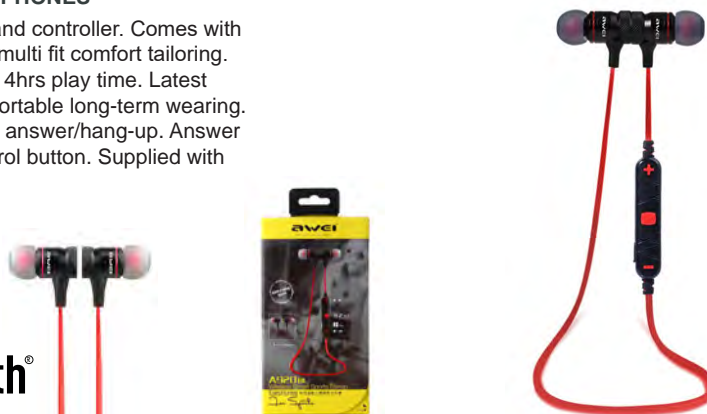
## BLUETOOTH SPORTS EARPHONE - NOODLE

### BLUETOOTH® 4.1 RECHARGEABLE EARPHONES

Sports Bluetooth® earphone with flat cable and controller. Comes with a pair of ear hooks and 3 sets of ear tips for multi fit comfort tailoring. Built-in rechargeable lithium battery for up to 4hrs play time. Latest Bluetooth® 4.1. Light weight design for comfortable long-term wearing. Built-in microphone, volume, play/pause and answer/hang-up. Answer phone calls or play music with the multi-control button. Supplied with USB charging cable.

- Driver Diameter: 9mm for extra bass
- Frequency: 20-20,000Hz
- Sensitivity: 90dB +/- 3dB
- Impedance: 16ohms (+/- 10%)
- Connection: up to 10M

Code  
MHF9007



## BLUETOOTH NECKBAND HEADSET

### BLUETOOTH® 4.0

- 10 hours / 360 hours standby battery time:
- Transmission range: about 10M
- Bluetooth® version: 4.0+EDR
- Running, walking, cycling, sports, and outdoor enthusiasts:
- Put the phone in pocket or backpack, easy to enjoy your music and calls.
- Size: 167mm x 135mm x 17mm

Code  
CBH730



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# Communications

## □ Headsets Wired

### STYLISH BASS HEADPHONE WITH MIC

#### 3.5MM QUAD W/ INLINE MIC

Stylish design with Super Bass audio  
Foldable headband for easy carrying  
Fabric texture for a comfortable fit  
Built inline mic and answer button  
Suitable for phones and iPods®, etc.

- Driver unit: 40mm
- Headphone cups: 65mmØ
- Frequency: 20-20,000Hz
- Sensitivity: 105dB +/- 5dB
- Impedance: 32 ohms
- Plug: 3.5mm Quad
- Cable length: 120cm

Code  
HP1002



### SPORTS EARPHONE

#### SWEAT RESISTANCE EARPHONE WITH SILICON STRIP

Sports neckband earphone (No Mic)  
SHBSS (Super Heavy Bass Sound System)  
Light weight and easy to carry  
Soft silicone cover for comfortable fit

- Frequency: 20-20,000Hz
- Sensitivity: 100dB +/- 3dB
- Impedance: 32ohms (+/- 10%)
- Rated power: 2.5mW
- Cord Length: 1.2M
- 3.5mm Stereo Plug

Code  
HP401



### PREMIUM PERFORMANCE EARBUDS

#### 3.5mm PLUG 4 PIN WITH MICROPHONE FOR HANDS-FREE

Unique ergonomic design  
Inline Microphone control for smart phones  
Deep rich bass sound  
Modern design flat cable  
Built-in microphone included

- Driver unit: 8mm
- Frequency: 20-20,000Hz
- Sensitivity: 100dB +/- 5dB
- Microphone sensitivity: -58dB (+/- 5dB)
- Impedance: 32ohms (+/- 10%)
- Plug: 3.5mm Quad
- Cable length: 120cm (+/- 5%)

Code  
MHF9001



### QUAD HANDSFREE EARBUDS

#### WITH VOLUME CONTROL

3.5mm Quad plug and stereo headphones. Includes tie clasp with answer button and volume control.  
Suits iPhone® and others.

Code  
MHF9003



### QUAD HANDSFREE EARBUDS

#### WITH VOLUME CONTROL

3.5mm Quad plug and stereo headphones. Includes inline microphone and volume control.  
Suits iPhone® and others.

Type	Code
Original	MHF9005
Cellink	MHF9006



### KOSS EARBUDS

#### INLINE MICROPHONE

New range of premium headphones available from Koss.  
See Section 03  
Audio Speakers & PA

 **KOSS®**



### MINI HANDS FREE OEM

#### ORIGINAL EQUIPMENT MANUFACTURED

Many more styles available !  
Originals from manufacturers.



[www.cellink.com.au](http://www.cellink.com.au)

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## Navigation

### Navigation Cases

#### GPS ACCESSORIES

[www.cellink.com.au](http://www.cellink.com.au)

Please visit our website. Continually updated with the latest models and cross-references for a quick and easy solution for finding accessories to suit your GPS, PDA and mobile cell phone,



#### SLIP CASE

Synthetic padded material like scuba skin is tear proof and scratch resistant. Ideal for protecting electronic screens from minor damage. Original Scala pouch available for 3.5" and 4.5" screen GPS devices. Elastic strap belt clip. Dimensions shown are Flat, so change depending on thickness of device.

Suits	Size	Code
3.5"	90x100mm	POU5701



GPS NOT INCLUDED

#### SPORTS CASE

Made from soft neoprene that stretches to fit most GPS shapes and size. Original Scala case with zipper and elastic strap belt clip. Colour detailing.

Suits	Size	Colour	Code
3.5"	20x70x100mm	Blue	POU5703BL
3.5"	20x70x100mm	Yellow	POU5703YL
4.3"	20x70x120mm	Black	POU5704BK
4.3"	20x70x120mm	Blue	POU5704BL
4.3"	20x70x120mm	Red	POU5704RD
4.3"	20x70x120mm	Yellow	POU5704YL



#### CARRY CASE

Carry and protect your valuable GPS device. Secured with a zipper closure and molded from high density EVA to give ultimate in portable GPS Satellite-Navigation protection.

Suits	Size	Code
4.3"	25x90x110mm	CAS5739



GPS NOT INCLUDED

#### TRANSFER CASE

Transfer your GPS device and accessories and protect them when not in use. Secured with a zipper closure and molded from high density EVA to protect securely. Also provides a separate compartment for leads, charger, etc.

Size	Description	Code
25x90x160mm	Flat Profile	CAS5747
50x90x130mm	3.5" Insert	POU5737
50x90x130mm	With Pouch	POU5739



GPS NOT INCLUDED

### GPS Chargers

#### USB MAINS CHARGERS

##### PACKAGED. 1A 5V

Keep your GPS device topped-up and ready for use any time. Light weight design with high charging efficiency. Cellink blister packaging.

Plug	Colour	Amps	Code
USB Male	White	1A	USB902
USB Female	White	1A	USB900
USB Female	Black	1A	USB904
Mini-USB Male	Black	2.4A	CTC1010BK
Micro-USB Male	Black	2.4A	CTC1008-BK



#### USB CAR POWER ADAPTOR - ELI SERIES

##### MINI-USB PLUG

Most GPS units use the common Mini-USB type plugs. 12/24V in, 2A 5V Output. Available in Straight cord and Curly cord to straight plug or L/R type plug.

Type	Amps	Code
Straight Cord	2A	ELI5723
Curly Cord	1A	ELI1026
Curly Cord	2.1A	ELI1018
Right Plug	2A	ELI5725
Left Plug	2A	ELI5726



ELI1026  
ELI1018



### GPS Antennas

#### AVL GPS ANTENNA ACTIVE RECEIVERS

##### 1575MHz MAGNETIC BASE

Suit portable applications. RF plug types. With Inbuilt 27dB booster, phantom powered by USB or 12Vdc and have inbuilt data modules.

OEM	Plug	Code
0294101	SMA	ANT501
024105	SMA	ANT504
SiRF	USB	GPS104
SiRF	Bluetooth	GPS200







# Communications

## □ Batteries & Power Banks

### □ Batteries

#### CELLINK CERTIFIED REPLACEMENT BATTERIES

EXCELLENT LONG-RANGE CELLS  
Only Premium Grade Cells are used.  
Precision plastics for a correct fit.  
Optimised performance for long life.  
As good or even better than original.  
Batteries are supplied blister packaged.

www.cellink.com.au  
To find the battery for your phone please contact us with your model number or do a search for it on our website.

**Cellink**  
Mobile Media Products



#### BAT - ORIGINAL BATTERIES

Genuine original parts are available from Cellink for replacing OEM batteries.  
Batteries are supplied blister packaged.



Samsung

**GALAXY S**

**NOKIA**

**Apple iPad**

**hTC**



**LG**

## □ Power Banks

#### IPHONE 6/6S POWER CASE

##### BUMPER CASE DELUXE

Adds only 7mm additional thickness  
Lithium Ion Polymer Battery. 85g.  
Charging interface is Lightning  
4x LED power level display.

Capacity	3200mAh	3200mAh
Colour	Black	White
Code	BAT9076-122	BAT9076-121



#### IPHONE 5/5S EXTERNAL BATTERY PACK

Colour	White	Black
Capacity	2200mAh	2200mAh
Code	BAT9050-121	BAT9050-122



#### IPHONE 4 POWER CASE

##### WITH BUMPER EDGE

- Highly durable and stylish design
- Apple approved
- 2200mAh of power
- USB chargeable

Capacity	2000mAh
Colour	White
Code	BAT9029WH



#### IPHONE 5/5S POWER CASE

##### WITH BUMPER EDGE

Leather clad case with battery bank.  
Lithium Ion Polymer Battery. 75g.  
Charging interface is Micro-USB.  
Stylish 4x LED power level display.

Capacity	2200mAh
Size	138x63x15mm
Colour	White
Code	BAT9068-121



#### GALAXY S4 BATTERY CASE

##### LEATHER CASE POWER BANK

This elegant leather case and power bank combo is designed for style, mobility and light weight. Extend your mobile's standby time by up to 675 hours and talk time by up to 25 hours.

Capacity	3200mAh
HxWxDmm	147x73x17mm
Colour	Black White
Code	BAT6503BK BAT6503WH



Mobile phone not included.

#### IPHONE 5/5S POWER CASE MFi

##### MFi APPROVED

Apple certified ultra thin, lightweight external battery available for the iPhone 5 / iPhone 5S.

Capacity	2400mAh	2400mAh
Colour	White	Black
Code	BAT9068-141	BAT9068-142



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## KEYRING POWER BANK WITH 8GB

Featuring emergency mobile charger for micro USB devices and 8GB memory storage.  
Battery Cell: Li-polymer;  
Battery Capacity: 800 mAh;  
Input: 5V 500mA Output: 5V 500mA Self-charging Time: 1.5 hours



Connector	Code
Micro USB	APKRMU

## 5000mAh POWER BANK USB

### METAL SKIN COMPACT USB

Compact portable device with Micro-USB and USB sockets for charging and output. Includes a 23cm USB to Micro-USB lead. Output is 2.1A max. 158g. 4x LED Capacity indicator.



Power	5000mAh
Size	125x69x10mm
Colour	White
Code	BAT9011

## 11Ah DUAL OUTPUT POWER BANK USB

11Ah power bank with high quality Samsung Li-polymer battery cell. The power bank has 1x micro USB input and 2x USB outputs. Includes 1M charging lead with dual interface micro USB and Apple lightning connectors.

Input: 5Vdc 1A  
Output: 5Vdc 1A + 5Vdc 2.1A  
Fast charging, high efficiency

Capacity	11000mAh
Size	138x61x22mm
Weight	273g
Code	BAT9032



## 15Ah DUAL-USB SMART POWER BANK

### HIGH CAPACITY POWER PACK WITH BUILT-IN LED LIGHTING

- High capacity portable power bank
- Comes with 9 interchangeable tips for most common mobile devices
- Intelligent protection for short circuit and over charging
- Built-in LED for emergency use

Capacity	15000mAh	15000mAh
Output	5V 2A max.	5V 2A max.
Weight	322g	322g
Dimensions	150x78x20mm	150x78x20mm
Colour	Black	White
Code	BAT9006B	BAT9006W



## Qi CHARGING MAT

This Qi wireless charger works with Qi-enabled phones or phones installed with a Qi-compliant charging receiver. Using inductive electrical power technology, you can charge your phone without direct cable connection. This phone charger has intelligent power control, so it will drop to a hibernation mode while there are no receivers being powered. Requires a USB power source (cable included) or use the original phone charger.



Code
WCT1000

## Qi CHARGING MAT - DUAL

### CHARGE TWO PHONES AT ONCE

Colour	Code
White	WCT1002
Black	WCT1005



## Qi PUCK

Qi Standard Wireless Charging Pad for Samsung / Nokia / HTC and Other Mobile Phones

Code
WCT1003



## Qi STAND

Itian A2-10W Qi Standard Wireless Stand Charger for Samsung Galaxy S7 Edge / S7 / S6 / S6 edge / S6 edge + / Note 5

Code
WCT1004



## Qi RECEIVER UPGRADE

### UPDATE SAMSUNG TO iQ CHARGING

A user can install this receiver under the back of their phone or tablet to enable Qi wireless charging.

Brand	Model	Code
Samsung	Galaxy S4	WCR6500
Samsung	Galaxy S5	WCR6532
Samsung	Note 3	WCR6514
Samsung	Note 4	WCR6552
Apple	Lightning	WCR9100
MicroUSB	External	WCR1001







# Communications

## Chargers

### Car Chargers

#### CAR ACCESSORY SOCKET + USB POWER

3 WAY 12V SOCKET ADAPTOR UNIVERSAL WITH 1X USB ½A

Code  
APL3USB



#### CAR ACCESSORY SOCKET 3 + 2 USB 3.1A

3x 12V SOCKETS / 2x USB CHARGER

Car accessory socket to 3x car accessory sockets + 2x USB ports  
For charging most types of mobile devices (Requires charging cable)  
Suits: 12V/24V  
Total Capacity: USB 3.1A+Sockets 8A

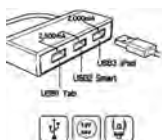
Code  
APL32USB



#### CAR ACCESSORY TO 3 USB POWER 4.5A

3 USB PORT INTELENT CHARGER 4.5A TOTAL

Code  
APL30USB



#### UNIVERSAL USB CAR CHARGER 1A

SUITS CLASSIC PHONE BRANDS

Universal USB power adaptor supplied with 8 different output plugs, Suit Nokia, Motorola, Sony, Samsung, LG & Mini USB, digital cameras, MP3 players & other portable USB devices. 12-24VDC. USB Output Voltage - 5VDC 1A.

Code  
USB300



#### SAMSUNG TABLET CAR CHARGER 2.5A

AERPRO HIGH POWER SAMSUNG TABLET CHARGER

High Current 12v/24v input to 2.5A output.  
With USB Charging Y Lead to Samsung 30 Pin and Micro-USB Connectors. Can be used with other USB charging leads.

Code  
ADM76



#### CAR CHARGER NOKIA

Suits original Nokia  
DC plug type phones.

Code  
ELI4220



#### ELI SERIES IN-CAR-CHARGERS PACKAGED

CELLINK PACKAGED - SEE WEBSITE FOR  
UNITS WITH SPECIFIC BRAND & MODEL PLUGS

Samsung GALAXY   LG 

#### LIGHTNING CAR ADAPTOR APPLE CERTIFIED 2.1A

MFI APPLE APPROVED COMPACT

Lightning Car charger Apple Approved -  
White 1 metre straight cord.

Amps Code  
2.1A ADM65



#### LIGHTNING CAR ADAPTOR APPLE CERTIFIED 2.1A

MFI CHARGER FOR IPHONE 5 & IPOD

2.1A 12V USB charger with  
single USB Port plus a 1M  
Lightning Cable. MFI.

Type Code  
Lightning 2.1A ADM75



#### LIGHTNING CAR CHARGER 1A + 2.1A DUAL

Dual USB with 5Vdc 1A  
and 2.1A intelligent output.  
Supplied with lightning  
data cable. MFI Approved\*

MFI	Amps	Code
No	2.1A + 1A	ELI9052
Yes	2.1A + 1A	ELI9075
Yes	3.1A Total	ELI9078



#### DUAL CHARGERS CAR LIGHTNING DUAL

USB SOCKET & LIGHTNING PLUG

Curly cord. Charge two devices  
simultaneously. 12V-24Vdc. Not MFI.

Amps	Colour	Code
1A	White	ELI9073WH
1A	Black	ELI9073BK
2.1A	White	ELI9076
2.1A	Black	ELI9077
3.1A	White	ELI9074WH
3.1A	Black	ELI9074BK



#### iPOD® CHARGER 30 PIN DOCK CONNECTOR

Amps	Colour	Code
1A	White	ELI9002
1A	Black	ELI9003
2A	White	ELI9004
2A	Black	ELI9005
3.1A	White	ELI9007
3.1A	Black	ELI9006



#### iPOD® + UNIVERSAL MOBILE CHARGER KIT

2.1A Universal Mobile charger with various connectors for charging.  
Apple® certified plus it has connectors specifically for Motorola®,  
Nokia®, Samsung®, and Sony® model mobiles.

APPLE® CERTIFIED

Code  
APL50



#### LIGHTNING + iPOD® CAR CHARGER 2.1A

With micro USB, Apple® 30  
pin and lightning connector.  
Curly cord 0.6 to 1.5M.

Amps 2.1A  
Colour White  
Code ELI1011







## CAR CHARGER MICRO-USB 1A - BULK

Supplied No Packaging.  
12V/24V input. Fully  
regulated, short circuit and  
overload protection.  
1A max output current.

Code  
BCC1001



## CAR CHARGER MICRO USB 1A

MICRO MINI USB car charger.  
Packaged Cellink Blister pack.

Type	Code
Straight Cord 1.0A	ELI1012



## DUAL CHARGERS CAR MICRO-USB + USB

### USB SOCKET AND MICRO-USB PLUG

Colour	Amps	Code
Black	1.0A	ELI1025
Black	2.1A	ELI1020
White	2.1A	ELI1021
Black	3.1A	ELI1008
White	3.1A	ELI1009



## USB CAR CHARGER 2.1A - AERPRO

### WITH MICRO USB CABLE

Current	Code
2.1A	ADM421



## DUAL USB CAR CHARGER - MICRO USB CABLE

### DUAL PORT 2.1A + 1A

Colour	Code
White	ELI1010WH
Black	ELI1010BK



## DUAL CHARGERS CAR MICRO-USB REVERSABLE

### REVERSABLE MICRO-USB PLUG

High power car charger.  
Curly lead to Micro USB.  
USB Socket for dual out.

Colour	Amps	Code
White	2.1A	ELI1023
Black	2.1A	ELI1022



## MINI-USB CAR CHARGER

Type	Amps	Code
Straight Cord	2A	ELI5723
Curly Cord	1A	ELI1026
Curly Cord	2.1A	ELI1018
Right Plug	2A	ELI5725
Left Plug	2A	ELI5726



## USB TYPE 3.0 + USB-C CAR CHARGER

USB A port: Quick Charge 3.0 technology,  
up to 18W: 3.6-6.5V/3.0A, 6.5-9V/2.0A,  
9-12V/1.5A(Max). Type-C port: 5V/3A  
output, reversible design and fit for latest  
Type-C tablets and smartphone devices

Code  
ELI1032



## COMPACT USB A CAR CHARGERS

Single USB low-profile USB Car charger.  
USBM21 Aerpro Packaging

Current	Colour	Code
1A	White	ELI1004
2.1A	Black	USBM21



## USB CAR CHARGER 1A

USB Car Charger. 5V / 1Amp Output.

Code  
API89113



## USB 2x PORT CAR CHARGER 2.1A

Compact design. 2x USB A Sockets.  
5V / 2.1Amp Total output.

Code  
ELI1003



## USB 2x PORT CAR CHARGER 3.1A

Dual USB Socket Car Charger with  
dedicated charging circuits to suit  
iPad® or Samsung Tab®.

Colour	Code
Black	ELI1006
White	USBM22



## USB 2x PORT CAR CHARGER 3.5A

Flush to socket with two USB sockets for power/charge up to 3.5A.

Type	Flush Dual
Amps	3.5A
Code	USBM35



## USB 2x PORT CAR CHARGER 2.1A & 1A

Two outputs, separate 1.0A  
and 2.1A regulated.

Colour	Code
Black	ELI1012BK
White	ELI1012WH



## USB CAR CHARGER - INTELLIGENT

### 2.1A INTELLIGENT

Input	Output	Code
2.1A	1x USB	CAS-7USBI

### DUAL PORT (2x) 2.1A EACH

Input	Output	Code
4.2A	2x USB	CAS-9USBI



## CAR CHARGER HIGH POWER - AERPRO

### DUAL INTELLIGENT

Current	Code
3.6A	APL36

### TRIPLE INTELLIGENT

Current	Code
5.4A	APL54







# Communications

## AC Chargers

### CTC SERIES - TRAVEL CHARGERS RESELLER PACKAGED

The Cellink AC Travel Charger pack is a lightweight & compact, switch-mode, multi-voltage (100-240Vac) travel charger designed to charge all popular battery types. Now available in either an attached "Cord" type or with a USB-Female socket that is then supplied with a USB connection "Lead" to the desired plug type. Fully approved.

**Cellink®**  
Mobile Media Products

Colour	Socket	Lead	Current	Packaging	Code
Black	USB-Female	Nil	2.1A	Blister	CTC1002-BK
White	USB-Female	Nil	2.1A	Blister	CTC1002-WH
Black	USB-Female	Nil	2.4A	Blister	CTC1003-BK
White	USB-Female	Nil	2.4A	Blister	CTC1003-WH
Black	USB-Female	Micro-USB	2.4A	Blister	CTC1004-BK
White	USB-Female	Micro-USB	2.4A	Blister	CTC1004-WH
Black	USB-Female	Micro-USB Reversible	2.4A	Blister	CTC1005-BK
White	USB-Female	Micro-USB Reversible	2.4A	Blister	CTC1005-WH
Black	USB-Female	USB-C	2.4A	Blister	CTC1006-BK
White	USB-Female	USB-C	2.4A	Blister	CTC1006-WH
Black	USB-Female	Mini-USB	2.4A	Blister	CTC1007-BK
Black	Cord	Micro-USB	2.4A	Blister	CTC1008-BK
Black	Cord	Micro-USB Reversible	2.4A	Blister	CTC1009-BK
Black	Cord	Mini-USB Male	2.4A	Blister	CTC1010BK
Black	Cord	Nokia Plug	1A	Blister	CTC4220
White	Cord	30 Pin	1A	Blister	CTC9002
Black	Cord	30 Pin	1A	Blister	CTC9003
Black	Cord	Lightning Non-MFI	1A	Blister	CTC9050
Black	USB-Female	Lightning Non-MFI	2.4A	Blister	CTC9074-BK
White	USB-Female	Lightning Non-MFI	2.4A	Blister	CTC9074-WH
White	USB-Female	Lightning MFI	2.4A	Blister	CTC9072-WH



### BAC SERIES - TRAVEL CHARGERS BULK

The Cellink AC Travel Charger pack is a lightweight & compact, switchmode, multi-voltage (100 - 240V AC) travel charger device to directly replace the original charger for your mobile phone. Fully approved. Compact switch-mode power-packs sold in bulk to save you money if packaging is not required (See CTC Series).

**BULK**

Colour	Socket	Lead	Current	Packaging	Code
Black	USB-Female	Nil	2.1A	Bulk	BAC1002-BK
White	USB-Female	Nil	2.1A	Bulk	BAC1002-WH
Black	USB-Female	Nil	2.4A	Bulk	BAC1003-BK
White	USB-Female	Nil	2.4A	Bulk	BAC1003-WH
Black	USB-Female	Micro-USB	2.4A	Bulk	BAC1004-BK
White	USB-Female	Micro-USB	2.4A	Bulk	BAC1004-WH
Black	USB-Female	Micro-USB Reversible	2.4A	Bulk	BAC1005-BK
White	USB-Female	Micro-USB Reversible	2.4A	Bulk	BAC1005-WH
Black	USB-Female	USB-C	2.4A	Bulk	BAC1006-BK
White	USB-Female	USB-C	2.4A	Bulk	BAC1006-WH
Black	USB-Female	Mini-USB	2.4A	Bulk	BAC1007-BK
Black	Cord	Micro-USB Male	2.4A	Bulk	BAC1008BK
Black	Cord	Micro-USB Reversible	2.4A	Bulk	BAC1009-BK
Black	Cord	Mini-USB	2.4A	Bulk	BAC1010BK
Black	Cord	Nokia	1A	Bulk	BAC4220
White	Cord	30 Pin	1A	Bulk	BAC9002
Black	Cord	30 Pin	1A	Bulk	BAC9003
Black	Cord	Lightning Non-MFI	1A	Bulk	BAC9050
Black	USB-Female	Lightning Non-MFI	2.4A	Bulk	BAC9074-BK
White	USB-Female	Lightning Non-MFI	2.4A	Bulk	BAC9074-WH
White	USB-Female	Lightning MFI	2.4A	Bulk	BAC9072-WH



### USB MAINS CHARGER

Charge and/or Power your devices from USB. 100-240VAC. Efficient switch mode technology. Outputs 5V at 1A. White Colour.

#### MALE USB-A PLUG

Colour	Code
White	USB902

#### FEMALE USB-A SOCKET

Colour	Code
White	USB900
Black	USB904



### LIGHTNING & MICRO-USB MAINS CHARGER MFI

High Current USB Mains Charger With Apple Approved Lightning To Micro USB Adaptor And Micro To USB Cable

Plug	Amps	Code
Micro-USB & Lightning	2.1A	APL1005



### TWO IN ONE MAINS GALAXY CHARGING KIT

High Current 240v USB Charger With USB Charging Y Lead Samsung 30 Pin and Micro USB Connectors.

Code
ADM77A



See the web for a CTC charger to suit older model phones.....



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## □ AC Chargers USB

### 6 PORT INTELLIGENT USB AC CHARGING STATION 51W - PROLINK

#### INTELLIGENT CHARGING CIRCUIT COMPATIBLE WITH ALL DEVICES

Outputs total of 51W (10.2 Amps) with 3x high power charging outlets (2.4A) in iPads® and tablets and 3x charging outlets (1A) for iPhones® and mobiles. Senses the devices power requirements and automatically adjusts the output to power or charge your device at optimal performance and protection. Your device will charge faster than a non-intelligent charger plus battery cycle life is extended.

Code

LS-6U

**prolink**  
Audio, Visual & Data Integration Products



### USB INTELLIGENT CHARGER 10 PORT 120W - HUB

#### 4 PORT POWERED USB 3.0 HUB + 6 EXTRA CHARGE OUTLETS

10 independent USB outputs for fast charging 10 iPads®, tablets, phones at 2.4 Amp each. Ultra-High Power, Intelligent Recognition for Speed Fast Charging with Auto-detecting current control. Equipped with the latest GI3520 USB3.0 chipset, 4 port hub can transfer data at up to 5Gbps. AC input 100-240V with master power switch. Features over current, over voltage, over temperature protection and short circuit protection. 155x105x32mm

Code

LS-10U24F-HUB

**BUILT-IN  
4 PORT  
USB 3 HUB**



### USB INTELLIGENT CHARGER 10 PORT 60W

#### 60W 5x2.4A or 10x1.0A

USB charger with 5x faster USB charging ports and 5x regular USB charging ports. Includes AC power lead. Size: 155x60x40mm

Colour Code

Black LS-10UH-BK  
White LS-10UH-WH



### USB 4 PORT TRAVEL CHARGER 2.1A

Connect and Charge up to 4 USB devices directly to a mains socket. Includes 4 interchangeable plugs for (AUS, US/Japan, Europe, UK) for worldwide use. Automatic multi-voltage 100-240V to 5V 2.1A Total.

Brand	Code
Korgo	USB04
Jackson	PTA7724



### USB INTELLIGENT CHARGER 4 PORT 34W

The compact USB charger features 4 intelligent USB charging ports with up to 34 Watts of power (6.8A). It is capable of charging up to 2 iPads/tablets (at 2.4 Amp) and 2 smartphones (at 1 Amp) simultaneously. 100-240Vac.

Code

LS-4UD

Supplied with a figure 8 power lead. To travel overseas, this lead can be changed to an overseas type lead.



### USB 2 PORT TRAVEL CHARGER 1A + 2.1A

#### SUITABLE FOR UK, HONG KONG, USA, CANADA & MORE

This compact USB charger is perfect for travellers to UK, Hong Kong, USA, Canada and more. Suitable for charging most portable electronic devices, it provides two high power USB outlets for quickly charging your phone, tablet, etc.

Code  
PTA9932



### USB COMPACT MAINS CHARGER

#### POWER UP TO 1A

Type	Code
Compact	PTXUSB
No Lead	

#### POWER UP TO 2.4A

Current	Outlet	Code
2.4A	1x USB	ADM70A

#### POWER UP TO 3.4A

Current	Code
3.4A	ADM72



### USB 2 PORT TRAVEL CHARGER 1A + 2.1A

#### SUITABLE FOR EUROPE, BALI, USA, CANADA & MORE

This compact USB charger is perfect for travellers to Europe, Bali, USA, Canada and more. Suitable for charging most portable electronic devices, it provides two high power USB outlets for quickly charging your phone, tablet, etc.

Code  
PTA9930



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# Communications

## USB MAINS CHARGERS

5V 1Amp Output for charging and powering via USB.

Outlet	Amps	Type	Code
2x USB	1A (Total)	1-Way Inline-Socket	PT1USB
2x USB	3.1A (Total)	1-Way Inline-Socket	PT1USB3A
4x USB	1A (Total)	1-Way Inline-Socket	PT4USB
4x USB	4A (Total)	1-Way Inline-Socket	PT4USB4A



## 4 PORT POWERBOARD SWITCHED WITH USB 4.5A

### 4.5A USB POWER TOTAL

4 way powerboard with individually switched power outlets.  
One extra-spaced outlet to suit larger power adaptor  
10A resettable thermal fuse protection. Surge protection. 525J.  
Heat resistant case, flame retardant for fire safety.  
4x USB outlets with total USB current 4.5 Amps (Total).  
1 Metre power cord with right angle plug.

Code  
PB435



## POWER BOARD WITH USB CHARGER JACKSON

### BUILT-IN USB CHARGE/POWER SOCKETS X2

2x USB Sockets for Powering USB devices and charging, etc. 5Vdc Amps are total. Surge protection. Spaced sockets. 10A Circuit Breaker.

Type	Amps	Code
4 Way	1A (Total)	PT2929SUSB
4 Way	3.1A (Total)	PT2929SUSB3A
6 Way	1A (Total)	PT6969SUSB
6 Way	3.1A (Total)	PT6969SUSB3A



## POWERBOARD WITH USB HUB & POWER

4 surge and overload protected mains outlets.  
4 USB outlets for powering and charging USB devices (1A total).  
In addition, it also features an onboard 4 port USB hub to connect additional USB computer peripheral devices to your computer.

Code  
PT4014HUB



## POWERCUBE EXTENDED USB - 4 OUTLETS / 2 USB

The PowerCube® Extended USB is a uniquely designed power distributor that features a four-outlet cube at the end of a 1.5 or 3.0 metre flexible lead and also two USB sockets for 2.1A charging of accessories. This product includes a docking mount which users can fasten to a desk, or under the desk, or on the wall using the provided screws, or damage-free adhesive strips.

There is also a small plastic collar that slides up and down the cable, with a screw hole so users can tack the cable to the wall or underneath your work surface to keep the cable tidy and out of the way.

Outlet	4				
USB	2				
USB Outlet	5V 2.1A Total				
Colour	Grey	Grey	Red	Green	Blue
Cord	1.5M	3.0M	1.5M	1.5M	1.5M
Code	PB4001GY	PB4002GY	PB4001RD	PB4001GN	PB4001BU



## MORE POWER BOARDS AND POWER PACKS

### SECTION 08 POWER & LIGHTNING

- Switch mode power
- Packs and supplies
- AC Power boards
- Rack power strips
- UPS Power Backup
- Power leads, etc.



## ELSAFE SOFT WIRING POWER INSTALLATION

### OFFICE - HOSPITALITY - EDUCATION - HEALTH CARE

- Above desk mount
- Below desk mount
- In-wall mount
- In-floor mount
- Modular solutions
- Neat and tidy wiring







## □ Data & Accessories

### □ USB 3.1

#### USB 3.1 TYPE-C UP TO 10Gbps

FOR MOBILE DEVICES



#### USB 3.1 TYPE-C M TO USB 3.0 TYPE-A F OTG

SUPPORT OTG FUNCTION

USB 3.1 cable 20cm with new Type C connector. Type C connector has a reversible design, no need to turn the cable around when making the connection. Data transfer rate, up to 10Gbps Support OTG function

Code  
CL1120BK-015



#### USB 3.1 TYPE-C TO USB TYPE-A F DATA CABLE 1M

SUPPORT OTG FUNCTION

USB 3.1 cable 1 metre with new Type C connector. Type C connector has a reversible design, no need to turn the cable around when making the connection. Data transfer rate, up to USB 3.1 10Gbps Support OTG function

Colour Code  
Black CL1120BK-1  
White CL1120WH-1



#### USB 3.1 TYPE-C M TO USB 3.0 TYPE-A M CABLE 1M

UP TO SUPER FAST 10GBPS TRANSFER RATE

USB 3.1 cable 1 metre with new Type C connector. Type C connector has a reversible design, no need to turn the cable around when making the connection. Data transfer rate, up to 10Gbps.

Colour Code  
Black CL1100BK-1  
White CL1100WH-1



#### USB 3.1 TYPE-C TO USB TYPE-B M DATA CABLE

UP TO SUPER FAST 10GBPS TRANSFER RATE

USB 3.1 cable 1 metre with new Type C connector. Type C connector has a reversible design, no need to turn the cable around when making the connection. Data transfer rate, up to USB 3.1 10Gbps

Colour Code  
White CL1130WH-1



#### USB 3.1 TYPE-C M TO M DATA CABLE 1M

UP TO SUPER FAST 10GBPS TRANSFER RATE

USB 3.1 cable 1 metre with new Type C connector. Type C connector has a reversible design, no need to turn the cable around when making the connection. Data transfer rate, up to 10Gbps. Suitable for Tablet & Mobile to Hard Disk Drive.

Colour Code  
Black CL1140BK-1



#### USB 3.1 TYPE-C M TO MICRO-USB F CABLE 0.2M

DATA SYNC AND CHARGING Micro-USB SOCKET

USB 3.1 cable with new Type C connector. Type C connector has a reversible design, no need to turn the cable around when making the connection. Suitable for connecting USB-C enabled devices (e.g. new Macbook) to Micro-USB devices and peripherals (e.g. micro USB flash drives)

Colour Code  
Black CL1150BK-020



#### USB 3.1 TYPE-C M TO MICRO USB M CABLE 1M

DATA SYNC AND CHARGING

USB 3.1 cable with new Type C connector. Type C connector has a reversible design, no need to turn the cable around when making the connection. Suitable for connecting USB-C enabled devices (e.g. new Macbook) to Micro-B devices and peripherals (smartphones, hard drives, etc.)

Colour Code  
White CL1160WH-1  
Black CL1160BK-1



#### USB 3.1 TYPE-C TO A + DUAL CAR CHARGER 3.1A

WITH USB3.1 TYPE-C TO USB3.0 TYPE-A DATA/CHARGE CABLE

Dual USB with 5VDC  
1A & 2.1A output.

Code  
ELI1031



#### USB 3.1 TYPE-C TO A + DUAL CAR CHARGER 3.1A

WITH USB3.1 TYPE-C TO USB2.0 TYPE-A DATA/CHARGE CABLE

Dual USB with 5VDC  
1A & 2.1A output.

Code  
ELI1030







# Communications

## □ Data Cables

### ON THE GO USB HOST - OTG

USB data cables with female a type usb connectors to allow for connection to USB accessories.

Plug	Type	Length	Code
Micro-USB	Lead	120mm	CL6500
Micro-USB	Lead	300mm	MDC1002
Micro-USB	Lead R/A	130mm	CA961
Mini-USB	Lead R/A	130mm	CA960



### SAMSUNG TAB OTG HUB

5+1 in 1 USB OTG Connection Kit for Samsung Galaxy Tab® with 30 pin connector. Supports many SD Cards including Micro-SD. USB socket for flash, mouse, etc.

Code  
MDC6518



### MICRO USB MALE TO MALE OTG CABLE

#### CHARGING AND OR DATA TRANSFER

Micro USB 5 Pin Male to Micro USB 5 Pin Male OTG cable. 20cm, black

Code  
MDC1017



### MICRO USB 3.0 CABLE WITH AUDIO OUT

#### USB TO MICRO-USB-3.0

AUX Cable Car Audio/AUX Speaker Cable for Samsung Galaxy Note III / N9000, Galaxy S5 / G900. Sync and charger at the same time. Length: 0.5M

Colour	Code
Black	MDC1016BK
White	MDC1016WH



### MICRO-USB CABLE RETRACTABLE

Retractable Cable For Most Smart Phone And Other Micro USB Devices. 1 metre long. Premium Prolink packaging.

Code  
MP387R



### MICRO USB TO USB - CLASSIC STYLE

Colour	Type	Length	Code
Black*	Original Style	3.0M	MDC1005BK
White*	Original Style	3.0M	MDC1005WH



### RIGHT ANGLE MICRO USB CABLE

Micro USB cable with 90° right angle plug. For charging and data transfer.

Colour	Length	Code
Black	1M	MDC1021BK
White	1M	MDC1021WH
Black	2M	MDC1022BK
White	2M	MDC1022WH
Black	3M	MDC1023BK
White	3M	MDC1023WH



### MICRO USB TO USB-A 2.0

USB 2.0-A Plug to USB 2.0-Micro B Plug. 1 metre long. Premium Prolink packaging.

Code  
MP387



### MICRO USB TO USB - MOULDED PLUGS

#### AVAILABLE IN COLOUR !

Colour	Length	Code
Black	0.3M	MDC1004
Black	1M	MDC1001
Black	2M	MDC1001-2
Black	3M	MDC1001-3
White	1M	MDC1010WH
Blue	1M	MDC1010BU
Green	1M	MDC1010GN
Hot Pink	1M	MDC1010HP
Orange	1M	MDC1010OR
Pink	1M	MDC1010PK
Purple	1M	MDC1010PU
Red	1M	MDC1010RD
Yellow	1M	MDC1010YL



### MICRO TO USB - NOODLE

#### HIGH-SPEED USB FLAT CABLE STYLE

Colour	Length	Code
Black	1M	MDC1011BK
Blue	1M	MDC1011BU
Green	1M	MDC1011GN
Hot Pink	1M	MDC1011HP
Purple	1M	MDC1011PU
Red	1M	MDC1011RD
White	1M	MDC1011WH
Black	2M	MDC1007BK
Pink	2M	MDC1007PK
White	2M	MDC1007WH
Black	3M	MDC1008BK



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## □ Lightning

### LIGHTNING TO USB - WRISTBAND

#### WEARABLE 170MM IN LENGTH

USB to lightning cable for Apple iPhone 5/5S/6/6 plus® Suitable for data sync or charging from a PC, notebook or a USB power main. Designed in the shape of a wristband, convenient to carry it around comfortably.

Colour	Code
Blue	MDC9075BU
White	MDC9075WH

NOT APPLE® CERTIFIED



### MICRO USB FEMALE TO LIGHTNING ADAPTOR

The micro USB to Apple® lightning adaptor allows the user to charge their Apple® device and transfer data between it and their computer or notebook. Compatible with the latest iPhone 6, and other Apple® devices with lightning connection.

Code
AD9074WH

NOT APPLE® CERTIFIED



### MICRO USB CABLE & LIGHTNING ADAPTOR

#### APPLE APPROVED PRODUCT

Features a micro USB to Apple lightning adaptor with 1 metre Micro-USB to USB cable.

This cable kit allows the user to charge and sync their Android USB-Micro device or Apple Lightning device to a computer, notebook, or connect to a USB charger. Certified to suit iPhone 6 and other Apple lightning devices.

Code
APL106

NOT APPLE® CERTIFIED



### 3 IN 1 USB DATA SYNC/CHARGING CABLE

#### LIGHTNING iDOCK Micro-USB & USB DATA & CHARGE ADAPTOR

This well design multi-tool charging adaptor has the shape of a Swiss army knife, but instead of blades, this easy to carry adaptor includes a micro USB, Apple 30-pin and a Apple lightning connector for plugging into your device, and a USB connector to plug into your computer or a wall charger. Design for use with Apple® and micro USB based Android smartphones and tablets.

Colour	Code
Black	MDC1019BK
White	MDC1019WH

NOT APPLE® CERTIFIED



### LIGHTNING TO USB - ORIGINAL

#### APPROVED ORIGINAL

USB Cable to mobile phone for data transfer and USB Charging up to 2.1A. Genuine Apple, bag packaging.

OEM	Type	Length	Code
Apple	Original	1M	MDC9071



### LIGHTNING TO USB - AERPRO

#### APPLE APPROVED DEVICE

USB Cable to mobile phone for data transfer, backup, and internet access, etc. depending on software. USB Charging up to 2.1A and depending on USB source current.

OEM	Type	Length	Code
Aerpro	Licensed	1M	APL105



### LIGHTNING TO USB - APPLE APPROVED - PROLINK

#### MFfi CERTIFIED

1M long USB to Apple Lightning sync and charging cable. Connect iPhone, iPad and iPod to computer or AC adaptor to charge or sync. MFfi certified. Made For Apple.

Code
MP320



### LIGHTNING TO USB - IN COLOUR

#### COMPATIBLE - CHARGE & DATA

USB Cable to mobile phone for data transfer, backup, and internet access, etc. depending on software. USB Charging up to 2.1A and depending on USB source current.

Length	Colour	Code
1M	White	MDC9051
1M	Blue	MDC9050BU
1M	Green	MDC9050GN
1M	Orange	MDC9050OR
1M	Pink	MDC9050PK
1M	Purple	MDC9050PU
1M	Red	MDC9050RD
1M	Yellow	MDC9050YL

NOT APPLE® CERTIFIED



### LIGHTNING TO USB - NOODLE

#### COMPATIBLE - FLAT CABLE STYLE

USB Cable to mobile phone for data transfer, backup, and internet access,

Length	Colour	Code
1M	White	MDC9055WH
1M	Black	MDC9055BK
1M	Blue	MDC9055BU
1M	Green	MDC9055GN
1M	Hot Pink	MDC9055HP
1M	Orange	MDC9055OR
1M	Pink	MDC9055PK
1M	Purple	MDC9055PU
1M	Red	MDC9055RD
1M	Yellow	MDC9055YL
3M	White	MDC9055WH-3

NOT APPLE® CERTIFIED



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## □ iPhone & iPod

### APPLE™ 30 PIN USB - ORIGINAL APPLE™

Apple Certified Accessory

Code

MDC9002



### APPLE™ 30 PIN TO USB - AERPRO

APPLE® CERTIFIED

Deluxe packaging from Aerpro.  
1.5M White.

Code

APL30



### APPLE™ 30 PIN TO USB

To connect iPod, iPhone, or iPad fitted with 30pin Dock to power adaptor or computer for charging and/or sync. 2 metre long. Premium Prolink packaging.

Length Code

2.0M MP346



### APPLE™ 30 PIN TO USB

USB 2.0 MALE TO 30 PIN MALE

Sync & Charge your iPod, iPhone or iPad®

Length Code

1M MDC9003

2M MDC9010

3M MDC9011

NOT APPLE® CERTIFIED



### APPLE™ 30 PIN TO USB - RETRACTABLE

1 Metre long when extended.

Code

CL1018

NOT APPLE® CERTIFIED



### APPLE™ 30 PIN EXTENSION

Length Code

1M MDC9021

NOT APPLE® CERTIFIED



### APPLE™ 30 PIN TO USB - RETRACTABLE

30 Pin iDock Connector To USB Adaptor Cable. 1 metre long retractable. Premium Prolink packaging.

Code

MP017

NOT APPLE® CERTIFIED



### APPLE™ 30 PIN FEMALE TO LIGHTNING ADAPTOR

This adaptor allows you to use your Apple 30 pin accessories with your new iPhone and iPad, compatible with the latest iPhone 6/6 plus. The adaptor is for data transfer & charge only.

Colour Code

Black AD9070BK

White AD9070WH

NOT APPLE® CERTIFIED



### APPLE™ 30 PIN FEMALE TO LIGHTNING LEAD

This 20cm long cable adaptor lets you connect your Apple devices with a Lightning connector to many of your 30-pin accessories. Support for analog audio output, USB audio, as well as syncing and charging.

Length Code

0.2M MDC9072BK

0.2M MDC9072WH



NOT APPLE® CERTIFIED

### APPLE™ LIGHTNING TO 30 PIN ADAPTOR

WITH 3.5MM AUDIO JACK

Model. Colour Code

5, 5s, 5c Black AD9068BK

5, 5s, 5c White AD9068WH

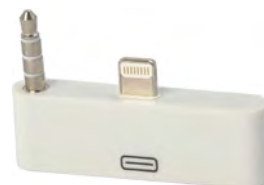
6 Black AD9076BK

6 White AD9076WH

6+ Black AD9078BK

6+ White AD9078WH

NOT APPLE® CERTIFIED



### APPLE™ 30 PIN CAR CHARGER

12V/24V INPUT 1A OUT

Excellent value general purpose power charger by Cellink.

Colour Code

White ELI9002

Black ELI9003

NOT APPLE® CERTIFIED



### APPLE™ 30 PIN MAINS CHARGER

1A MAINS CHARGERS

Colour Code

White CTC9002

Black CTC9003

NOT APPLE® CERTIFIED







## □ iPhone & iPod

### APPLE™ 30 PIN DOCK CONNECTION KIT

#### SYNC WITH EXTERNAL

Connects to iPod, iPad, iPhone via 30 pin Docking plug. Accepts MS DUO, MMC, M2, T-Flash and SD Cards. Also has a USB Socket for Connecting a Digital Camera or USB Keyboard.

#### Code

MDC9007



### 30 PIN AV CABLE & ADAPTOR APPLE CERTIFIED

#### USB & VIDEO CABLES

Composite video output. Stereo audio output. Separated cable and connector system. 1.5 metre cable.

#### Code

APL40



### 30 PIN CARD READER & USB HUB

#### Code

MDC9008



### iDOCK STATION

#### iPAD® 1 / 2 / 3

30 Pin to 30 Pin socket at rear. 3.5mm audio output.

#### Code

DCT9030

NOT APPLE® CERTIFIED

TABLET NOT INCLUDED



## □ Desktop Docking & Stands

### iPOD iPHONE iPAD® DOCKING STATION

#### NOONTEC ITALIAN DESIGN APPLE™ APPROVED 30 PIN

Docking station holds any 30 pin iDock type iPad, iPhone and iPod® with computer USB, 3.5mm Stereo and/or HDTV connection output.

#### Details

Noontec with remote control MDC9031

Noontec with Bluetooth® MDC9035



MDC9031 has Remote control operation with included IR remote control  
MDC9035 has no remote but has Bluetooth® for wireless headphones & control



### iDOCK STATION

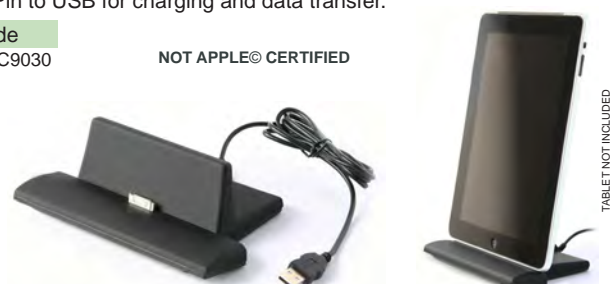
#### iPAD® 1 / 2 / 3

30 Pin to USB for charging and data transfer.

#### Code

MDC9030

NOT APPLE® CERTIFIED







# Communications

## Desktop Docking & Stands

### LIGHTNING STATION 5

#### IPHONE 5 / 5S / 5C

Lightning plug to Lightning Socket at rear  
83x58x9mm.

Colour	Code
Black	DCT9050BK
White	DCT9050WH

NOT APPLE® CERTIFIED



PHONE NOT INCLUDED

### LIGHTNING STATION 6

#### IPHONE 6 & 6 PLUS

Lightning plug to Lightning Socket at rear.  
82x57x13mm

Colour	Code
Black	DCT9078BK
White	DCT9078WH

NOT APPLE® CERTIFIED



PHONE NOT INCLUDED

### XPERIA DOCKING STATION

#### HOLDS SONY

USB Desktop Magnetic Charging Dock for Sony Xperia Z3 / Xperia Z2 / Xperia Z1 / Xperia Z, with 4 Magnetic Stick Covers & Cable

Code
DCT706BK



PHONE NOT INCLUDED

### OMB UNIVERSAL TABLET STAND

#### ADJUSTABLE FOR 7" TO 10"

You can lay the tablet onto the non-slip silicon rubber support, which is suitable for typing. Otherwise, you can place the tablet upright for reading or watching video on your tablet.

Code
OMB04504



TABLET NOT INCLUDED

### OMB UNIVERSAL SMARTPHONE GAMING PAD

#### SUPPORT INTENSE GAMING ON YOUR SMARTPHONE

This gamepad has a comfortable grip to allow gamers to have a finer control without having to worry about dropping your phone or mistakenly pressing other keys on your phone. This allows the user to focus more on playing games. Universal support for all smartphones with minimum width of 50mm to maximum of 82.5mm.

Code
OMB04503



PHONE NOT INCLUDED

## Cables & Leads

### CABLES & CONNECTORS

#### SEE SECTION 02 & 04

For an extensive range of leads, cables and adaptors, see our Cables & Connectors Section 02...

Also, Data type connections:  
See Section 04  
Data & Computer



### HDMI-A TO MHL 2.0 & MICRO USB ADAPTOR S4+

MHL Plug to HDMI socket for Samsung Galaxy S4/S5 & Note 2/3 with Micro USB for power & data. MHL 2.0 is backward compatible to MHL 1.0 High Speed up to 1080p HDTV. 150mm long. Premium Prolink packaging.

Code
MP235



### HDMI-A TO HDMI-D MICRO CABLE

#### DIGITAL AUDIO/VIDEO + ETHERNET

HDMI D Micro Male 2.8x6.4mm

Length	Code
1M	CL5501
1.5M	CL55015
1.8M	CL55018
2M	CL5502
3M	CL5503



### USB DATA CABLES

#### SUITS MANY MODELS

USB Cable to mobile phone for data transfer, backup, and internet access, etc. May require software freely available on the web.

[www.cellink.com.au](http://www.cellink.com.au)



### IrDA INTERFACE

#### INFRARED CORDLESS

IrDa to USB Converter suits any IrDa device USB Input connection Kit includes Bundled software for mobile phone control PhoneBook, RingTones, and managing, etc.

Type	Code
IrDA	MA620



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## Keyboard

### KEYBOARD MOUSE & REMOTE COMBO

Wireless Mini QWERTY Keyboard & Air Mouse on one side and 8 in 1 learning IR remote on the other. Plus audio chat. With USB receiver. Built-in advanced lithium-ion battery, long life energy-efficient.

Code  
KBD93



### BLUETOOTH MULTI-MEDIA REMOTE CONTROL

PORTABLE, ELEGANT & LIFE STYLE CHOICE

- Wireless Bluetooth® connection.
- Smart and portable size.
- 150x60x12.5mm
- Rechargeable
- Working range up to 10M.
- Built-in lecture laser pointer.

Colour Code  
Black KBD92BK  
White KBD92WH



### MINI BLUETOOTH KEYBOARD

Bluetooth® 2.0 Qwerty in a compact portable rechargeable size only 115x61x9mm. Compatible with most Bluetooth® enabled devices, Apple®, Android, Windows®, Sony®, etc.

Code  
MBK9020



### ULTRA THIN BLUETOOTH KEYBOARDS

Bluetooth® 2.0. Operating distance up to 10 metres. Compatible with Mac®, iPad®, iPhone®, Windows®, Android and even Sony® PS game consoles. No drivers need to be installed, can be used directly. 285x120x6.7mm

Code  
MBK9031



### WIRELESS SLIM KEYBOARD AND MOUSE COMBO

SUITABLE FOR DESKTOP AND LAPTOP

Slim 2.4G Wireless Keyboard and Mouse with Nano USB. Ergonomic scrolling wheel. Up to 1600dpi. Water, dust resistance. 3x AAA batteries (Included). 285mm x 120mm x 10mm. Windows® PnP, Android, etc.

Code  
KBD5006



MORE KEYBOARD AND REMOTE CONTROLS

See Section 04 Data & Computer

## Screen Protector

### SCREEN GUARD / PROTECTOR

CLEAR PROTECTION

- Screen Crystal Clear
- Screen Matte Anti-glare
- Screen Mirror
- Screen Tempered Glass

For your model, see: [www.cellink.com.au](http://www.cellink.com.au)

**Cellink®**  
Mobile Media Products



### SCREEN PROTECTOR LCD - TO SIZE

LCD FOR LAPTOPS, TABLETS, TOUCH-SCREENS, etc.

Protects the screen from scratches and reduces screen glare.

Suit	Size	Code
7"	153x92mm	SCGLCD2
12.1"	261x163mm	SCGLCD6
13"	293x166mm	SCGLCD7
13"	271x203mm	SCGLCD8
14"	286x215mm	SCGLCD10
14.1"	304x190mm	SCGLCD11
15"	304x229mm	SCGLCD13
15"	331x207mm	SCGLCD14
17"	363x280mm	SCGLCD15



**Cellink®**  
Mobile Media Products

## Stylus Pens

### STYLUS PEN

SPECIFIC REPLACEMENT

Replace missing pens to suit your model phone and PDA, devices, etc. Fits in the holder. Too many to list here! Check your model at: [www.cellink.com.au](http://www.cellink.com.au)



### CAPACITIVE TOUCH SCREEN STYLUS

Prevent scratches, grease and finger prints on touch screen of your mobile devices. Comes with soft top for interacting with your touch screen device. With built-in ball pen for writing and making note

Colour	Size	Code
Black	123x12x9mm	STY9003
Black	143x13x11mm	STY9004B
White	143x13x11mm	STY9004W
Black	85x9x9mm	STY9005B
White	85x9x9mm	STY9005W



STY9003

STY9005B  
STY9005W



STY9004B  
STY9004W







# Communications

## SIM Card Accessories

### SIM-CARD READER

#### SD / MMC / SIM / TF CARDS

Includes software to backup and to transfer phonebook. Easy & faster than going through the mobile phone. Plugs direct into USB on Windows® PC. Suits most Sim cards.



Code  
USB149

### SIM CARD ADAPTOR KIT

#### MICRO / NANO / NORMAL

Pack of three adaptors. Reusable plastic cards. Nano to Micro. Nano to Normal. Micro to Normal.

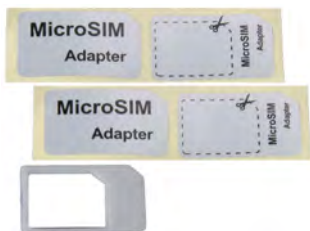


Colour	Code
White	SGP103
Black	SGP9050BK

### MICRO SIM CARD CUT

#### HELPS TRIM SIM CARD

Place sticker on full sized SIM card and then cut along the dotted line. Includes an adaptor to change a Micro-Sim card back to full sized SIM. Includes two stickers.



Code  
SGP101

Style/quantity may change depending on supplier.

### SIM CARD CUT-DOWN TOOL

#### PUNCH OUT MICRO / NANO SIMS

Cut your existing sim card down to fit into nano or micro sim card slots. Includes two sim card adaptor trays for inserting the cut Sim back into phones with the standard sim card.



Types	Code
Micro & Nano	SGP104

### SIM CARD HOLDERS & LOCKS

#### SPARE PARTS

Original Or Compatible Replacment Sim Card Trays, Sim Card Upgrades or Internal Sim Card Reader.



www.cellink.com.au

## Tools

### UNIVERSAL TOOL KIT

#### PHILLIPS BLADE TORX

Universal collection of assorted specific tools for mobile phone repair. Includes 10 unique drivers. Torx, Snake-Eye, blade, etc. Antenna removers too.



Code  
HT880

### TRI-POINT MINI-DRIVER

#### 3mmØ Mini Driver

Suit Nintendo-Wii Nokia and others. Security driver Professional grade Made in Japan tool Sunflag 17-C

Code  
HT888



### MINI DRIVERS TORX

Size	Diam.	Made	Code
T5	1.4mm	Economy	HT4502



Size	Diam.	Made	Code
T5	1.4mm	Japan	HT4503



### SCREW DRIVER TORX

#### HAND DRIVERS T5 & T6

Popular security tips for Nokia, etc.

Size	Diam.	Made	Code
T5	1.4mm	Japan	HT5H
T6	1.8mm	Japan	HT6H
T6	1.8mm	Economy	HT1006



See Tool Section for more

### MINI DRIVERS PENTALOBE

#### IPHONE 4 SCREW DRIVER 5 Point flower type.

Made	Code
Economy	HT9021



Made	Code
Japan	HT9020



### IPOD IPHONE® DISMANTLER KITS

#### SPECIALISED TOOLS TO OPEN

Assorted pry bar tools for opening iPhone, iPad, iPod®, etc. Tools included depends on model.

Suits	Code
iPhone 5 & 6	HT9023
iPhone 3	HT9002
iPhone 4	HT9022
iPad	HT9030



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## □ Spare Parts

### REPLACEMENT PARTS

#### PLUS MANY MORE !!!

We stock a comprehensive range of replacement parts.

**MICROPHONES & BUZZERS  
& SPEAKERS SWITCHES &  
CONTACTS PORTS & SOCKETS  
BUTTONS & FASCIAS**



### HOUSING REPLACEMENT

#### FACIA & BACK HOUSING

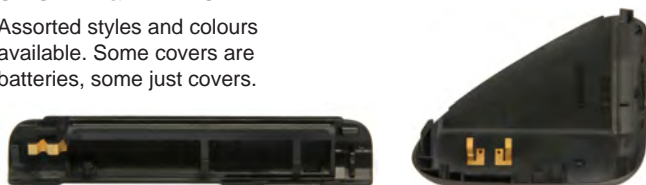
Premium fit housings. Replaces damaged or update colour. See our website or contact us for a housing to suit your model of phone.



### BATTERY COVER

#### ORIGINAL & REPLACEMENT

Assorted styles and colours available. Some covers are batteries, some just covers.



### LCD LENS / TOUCH SCREEN

#### ASSEMBLED OR SEPARATE

Direct replacement Spare parts LCD



### FLEX RIBBON CABLE

### LCD CONTACT STRIP



www.cellink.com.au

### CAMERA MODULES

Replacement parts



### BATTERY TERMINALS

www.cellink.com.au



...and other parts are available, look up the phone model on the website...

### POWER SWITCH & BUTTONS



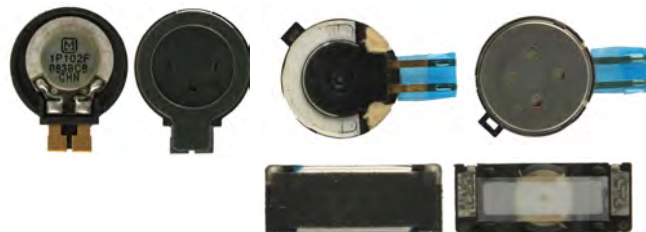
www.cellink.com.au

### CONNECTOR PORTS

Jacks & Sockets.



### SPEAKER - EARPIECE



### RINGER BUZZER



### MICROPHONES



**Cellink®**  
Mobile Media Products

### CAMERA / PHONE WATER RESCUE KIT

#### RAPID DRY-OUT APPLICATOR

Emergency kit for phone phones, MP3 players, cameras, and any other electronic devices that have accidentally been immersed in water. Simply place the device into the sealed bag and follow the instructions until water is absorbed.

Code  
ATRK000MIN

**LOOK!**

**RAPID  
DRY-OUT  
FIX**



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# Communications

## Memory Cards

### Micro-SD

Trans-Flash 11x15mm

Size	Code
2Gb*	TFC2048

\* Not SanDisk



### Micro-SD ULTRA

High-Speed 11x15mm  
30MB/s Class 10

Size	Code
16Gb	TFC16GBU
32Gb	TFC32GBU
64Gb	TFC64GBU
128Gb	TFC128GBU



### Micro-SD EXTREME

Size	Code
16Gb	TFC16GBE
32Gb	TFC32GBE
64Gb	TFC64GBE



### Micro-SD EXTREME PRO

95MB/s Class 10 UHS-I

Size	Code
16Gb	TFC16GBE
32Gb	TFC32GBE
64Gb	TFC64GBE



### SD SANDISK

SDHC: Class 4

Size	Code
16Gb	SD16GB
32Gb	SD32GB

SD: NOT SanDisk Branded

Size	Code
2Gb*	SD2000



### SD ULTRA

30Mb/s Class 10

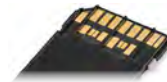
Size	Code
16Gb	USD16GB
32Gb	USD32GB
64Gb	SD64GBU
128Gb	SD128GU



### SD EXTREME PRO-II

280Mbps Class3 UHS-II

Size	Code
16Gb	SD16PRO-II
32Gb	SD32PRO-II
64Gb	SD64PRO-II



### CF ULTRA

50Mbps HIGH SPEED

Size	Code
8Gb	CF8192U
16Gb	CF16GBU



### CF EXTREME

60Mbps

Size	Code
16Gb	CF16GEX
32Gb	CF32GEX
64Gb	CF64GEX
128Gb	CF128GEX



### CF EXTREME PRO

90Mbps PROFESSIONAL

100Mbps for the 128Gb version.

Size	Code
16Gb	CF16PRO
32Gb	CF32PRO
64Gb	CF64PRO
128Gb	CF128PRO



### SONY MEMORY STICK MICRO M2

Size	Code
8Gb	M2M8192



### SONY MEMORY STICK PRO-Duo

Size	Code
4Gb	DUO4096
8Gb	DUO8192
16Gb	DUO16GB



### SONY SD ADAPTOR

MICRO-SD TO PRO-DUO

Use Micro-SD Memory in Sony PRO-Duo devices

Type	Code
Single	SD154



### DUAL-SLOT ADAPTOR

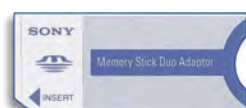
Allows one or two Micro-SD cards to be read in a single Pro-Duo reader. Doubling the memory to a maximum of 16Gb. Memory not included.

Type	Code
Dual	MS206



### PRO-DUO TO DUO

Description	Code
PRO-DUO to DUO	MS200



### XD PICTURE CARD

Olympus®

Size	Code
2GB	XD2048



### XD ADAPTOR FOR MicroSD

Use Micro-SD memory in Olympus®

Code
SD153



### SD SIZE ADAPTORS

CONVERT TO "SD"

Type	Code
Mini-SD	SD150
Micro-SD	SD151

### Micro-SD To Mini-SD

Code
SD152



### USB A FEMALE TO MICRO USB MALE ADAPTOR

This adaptor has a USB 2.0 female A interface and a micro USB male interface and supports high speed data rate up to 480Mbps.

Code
CA1008



Prices may change. Please check.





## □ USB Flash Drives

### USB 2.0 FLASH DRIVE - TITAN

#### SUPPLIED IN BULK

Size	Code
4GB	FDT4GB
8GB	FDT8GB
16GB	FDT16GB
32GB	FDT32GB
64GB	FDT64GB



### TITAN KEY STYLE USB 2.0 FLASH DRIVE

Size	Code
2GB	FDK2GB
4GB	FDK4GB
8GB	FDK8GB
16GB	FDK16GB
32GB	FDK32GB



### USB FLASH DRIVE CRUZER ORBIT

Size	Code
8GB	FBR8GB
32GB	FBR32GB



### USB FLASH DRIVE SANDISK BLADE

#### COMPACT STYLE

Size	Code
16Gb	FDB16GB
32Gb	FDB32GB
64Gb	FDB64GB



### SANDISK ULTRA DUAL USB & MICRO-USB DRIVE

#### DUAL PLUG MEMORY FOR MOBILES AND PC

Micro-USB connector on one side and USB2.0 connector on the other. Allows you to transfer files from a smartphone or tablet to your computer or vice-versa! New Dual Connector Design, no need for adaptors or leads. SanDisk Memory Zone app (Google play store) enables you to organize and back up files so your phone or tablet can be easily synced. Compact 37x20x11mm. Retail packaging.

Capacity	Code
16GB	FDD16GB
32GB	FDD32GB
64GB	FDD64GB
128GB	FDD128GB



Phone Tablet Computer Not Included

### KEYRING 8GB MEMORY & POWER BANK

Featuring emergency mobile charger for micro USB devices and 8GB memory storage.  
Battery Cell: Li-polymer; Battery Capacity: 800 mAh; Input: 5V 500mA Output: 5V 500mA Self-charging Time: 1.5hours

Connector	Code
Micro USB	APKRMU



### USB 3.0 FLASH DRIVE HIGH SPEED - TITAN

Size	Code
8GB	FDH8GB
16GB	FDH16GB
32GB	FDH32GB
64GB	FDH64GB



### USB 3.0 SANDISK ULTRA

#### USB 3.0 - 80MB/s

Size	Code
16Gb	FDU16GB
32Gb	FDU32GB
64Gb	FDU64GB
128GB	FDU128GB
256GB	FDU256GB



### USB 3.0 SANDISK ULTRA FIT

#### 130MB/s SANDISK

Size	Code
16Gb	FDUS16GB
32Gb	FDUS32GB
64Gb	FDUS64GB
128Gb	FDUS128GB



### USB 3.0 SANDISK EXTREME

#### USB 3.0 - 190Mb/s

Size	Code
32Gb	FDEX32GB
64Gb	FDEX64GB
128GB	FDEX128GB



### USB TYPE-C SANDISK

#### USB TYPE-C / USB 3.1 @ 150MB/s

Size	Code
16GB	FDC16GB
32GB	FDC32GB
64GB	FDC64GB
128GB	FDC128GB



### SANDISK ULTRA DUAL DRIVE USB TYPE-C

#### FLIPS USB-3.0 TO USB-3.1

The SanDisk Ultra dual USB drive up to 150MB/s.

Size	Code
16GB	FDC16GBU
32GB	FDC32GBU
64GB	FDC64GBU
128GB	FDC128GBU



### THUNDERDISK™ - USB3.0 & USB3.1 SSD 256GB

#### NEW USB-C - FASTEST MEMORY AVAILABLE

256Gb Thunderdisk USB3.1 mSATA SSD w/USB Type-A Male plug  
This a super-fast external hard drive that has a mSATA SSD (solid state disk) built into it's metal shell.  
Connecting via USB3.1(C) Gen2 10GBps interface, it offers blazing speeds.

Using the original USB1.1/2.0/3.0-compatible Male-A plug, you can use it with any Windows PC and Macs that have traditional Type-A sockets.

Package includes: 10cm USB Type-C to Male-A cable and felt carry bag



Capacity	Size	Code
256GB	72x36x9mm	USB3257

Prices may change. Please check.





## □ iPad & Tablets

### iPAD & TABLETS

www.cellink.com.au has an extensive range of accessories to suit many brands and models of tablets, too many to list here. Please go to our website and look up your model tablet to see the carry with style accessories available.

Below are some examples, many more are available and added each month!



### FLIP LEATHER CASE WITH HOLDER

#### TABLET HOLDER WITH FLIP

Hard case with protective flip to protect screen. Tough leather outer, soft felt inner. Some models open into stand format.



### FLIP LEATHER CASE WITH KEYBOARD

#### BLUETOOTH® SUIT 10.1"

Quality leather protective wallet with inbuilt Bluetooth® keyboard. Suit 10.1" Tablets

Size	Suit	Code
245x176x8mm	Tab 4	MKB6544-102
Adjustable	10.1" tablet	MKB137BK

More Keyboards Available: See the Website...



### UNIVERSAL STANDS - 10" TABLETS & iPAD®

Description	Code
Adjustable Tilt Stand	LAPR104
Portable Stand	STN9030



ASSORTED STYLES  
More available.

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Mobile Media Products





## □ Screen Protector

### SCREEN GUARD / PROTECTOR

#### CLEAR PROTECTION

LCD Screen protector. Invisible clear guard. Protects against pens, marks and scratches. No bubble adhesive. Phone & PDA specific. Comes in Various Types Such As; Clear, Anti-glare, Mirrored, Diamond Sheen, Tempered Glass And More!

- Screen Crystal Clear
- Screen Matte Anti-glare
- Screen Mirror
- Screen Tempered Glass

For your model, see:  
www.cellink.com.au



## □ Misc

### HAND & NECK STRAPS

Hand Strap and Neck Strap supplied as a pair in the one kit. Suit phones with strap hole and some phone cases. Buy One to get a pair (one short, one long).

Code  
HND101



### STYLUS PEN

#### SPECIFIC REPLACEMENT

Replace missing pens to suit your model phone and PDA, devices, etc. Fits in the holder. Too many to list here! Check your model at:



www.cellink.com.au

### SELFIE STICK AERPRO

The telescopic stick extends from 22-100cm and includes a bracket slider that can hold most smartphones between 50mm to 75mm.

#### CORDED REMOTE

The wired model can be used by plugging a 3.5mm plug to your phone.

Code  
APSSW

#### BLUETOOTH WIRELESS

Code  
APSSB



### SELFIE STICK & SEPARATE BLUETOOTH REMOTE

This telescopic selfie stick includes a Bluetooth remote shutter control. Adjustable holder to fit with most smart phones. Can extend from 22 cm up to 109 cm and adjusts to 180 degree angles to allow you to take the pictures from any view. Powered by long life 3V Lithium button cell battery.

Code  
SELF003



### POS DISPLAY

#### 7 LED TURNTABLE

Beautifully enhances any item on display or for enjoying home crystal. Multi-colour LED cycle mirrored rotating base. 3x AA Batteries or Optional power-pack 55x110mmØ

Code  
XLD8687



#### POWER PACK

Code  
SMP1000-5N



### TOUCH PHONE STAND

Suits most phones like iPhone, etc. and PSP, etc.

Colour	Code
Black	STN9020BK



Colour	Code
Black & Blue	STN9021-112
Blue & Silver	STN9021-110
Pink & Blue	STN9021-104
Black & Silver	STN9021-101



### DA-SACK

#### "BUM-BAG"

Wrap around carry Accessories bag for carting your phone mini-hands-free and other personal items. Made from tough nylon No-tear in Dark Blue. Great holder for PDAs Phone MP3 & Accessories Approx. ~75x100x175mm

Code  
DASACK







## □ Carrying & Styling

### PHONE FASHION

www.cellink.com.au has an extensive range of accessories to suit many brands and models of phone, too many to list here. Please go to our website and look up your model phone to see the carry with style accessories available.

Below are some examples, many more are available and added each month!



<http://www.cellink.com.au/Media/cellink-catalogue/>

## □ Sport Cases

### ARM BAND LEATHER POUCH

Enjoy music while working out in the Gym. Light weight and comfortable padded design. Adjustable arm strap to ensure best and secure fitting. Smart Phone Held Securely In Place By The Case.

POU132GY



POU9004-502



POU6500-195



Brand	Model	Size	Colour	Code
Apple	iPohne 4	115x60x14mm	Black	POU9004-502
Apple	iPhone 5	125x65x10mm	Black	POU9050-992
Apple	iPhone 6	138x67x10mm	Blue	POU130BU
Apple	iPhone 6	138x67x10mm	Grey	POU130GY
Apple	iPhone 6+	160x80x10mm	Black	POU131BK
Apple	iPhone 6+	160x80x10mm	Blue	POU131BU
Samsung	Galaxy S3	132x72x10mm	Yellow	POU6478-994
Samsung	Galaxy S3	132x72x10mm	Blue	POU6478-995
Samsung	Galaxy S3	132x72x10mm	Black	POU6478-999
Samsung	Galaxy S4	135x72x10mm	Grey	POU6500-191
Samsung	Galaxy S4	135x72x10mm	Black	POU6500-192
Samsung	Galaxy S4	135x72x10mm	Red	POU6500-193
Samsung	Galaxy S4	135x72x10mm	Blue	POU6500-195
Samsung	Galaxy S5	142x73x10mm	Black	POU129BK
Samsung	Galaxy S5	142x73x10mm	Hot Pink	POU129HP
Samsung	Note 4	152x80x10mm	Grey	POU132GY

### WATERPROOF SLEEVE CASES

Resistive & Capacitive touch screen compatible. Great companion for use on beaches and swimming pool. Resilient and flexible PVC material. Waterproof for up to 10M. Transparent design to see the screen under water. Naturally floats. Available in assorted styles and models. Sizes are outside dimensions.

Suit	Size	Colour	Code
iPads	290x210mm	Yellow	POU9060-993
IPhones	130x90mm	Blue	POU9020-998
IPhones	135x94mm	Black	POU9020-999
Galaxy Note	100x185mm	White	POU6500-991
Galaxy Note	100x185mm	Blue	POU6500-990
many 5 1/2"	170x100x20mm	Black	POU135BK
many 5 1/2"	170x100x20mm	Blue	POU135BU
many 5 1/2"	170x100x20mm	Clear	POU135WH



POU9020-992

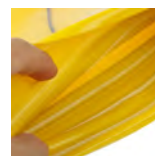
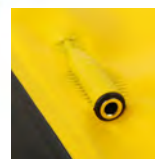


POU9020-999

POU9020-998



POU9020-993



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## □ Hard Cases

### FITTED HARD CASE BPC SERIES

#### BPC PROTECTIVE CASING

Pliant black plastic Mobile Phone Protective Case. Simply clip over your phone. They do not obstruct the use or hide any features access or deter from the phone style. These cases are superb as they fit in seconds, are almost invisible yet will protect your phone from scratches and minor bumps & knocks, etc. Some have belt clips. Protect with style.

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Mobile Media Products



MANY STYLES  
AND MODELS

Please Enquire or see [www.cellink.com.au](http://www.cellink.com.au)

### CLEAR CRYSTAL CASE CPC SERIES

#### CPC PROTECTIVE CASING

New Crystal Clear Plastic Mobile Phone Protective Case Simply clip over your phone. They do not obstruct the use or hide any features access or deter from the phone style. These cases are superb as they fit in seconds and protect your phone from scratches and minor bumps & knocks, etc. Jewel case shell to suit your phone see [www.cellink.com.au](http://www.cellink.com.au)



Please Enquire or see [www.cellink.com.au](http://www.cellink.com.au)

### FITTED HARD CASE CLOTH

#### VISIBLE WEAVE - FELT LINED

Cloth material textured fitted strong and sturdy hard case frame. iPhone slips into the case frame for a secure and firm fitting. Non obtrusive access to iPhone Ports and buttons. Internally lined with soft material to ensure your phone does not get scratched when inserting and removing from case.



### ALC - FITTED HARD CASE WALLET

#### PU LEATHER - MAGNETIC CLASP

Protective Flip/Wallet carry case. Made with Soft feel leather. Strong hold magnetic close flip to protect screen.



### ALC - FITTED HARD CASE FLIP PU LEATHER

#### SLIP IN SURROUND - MAGNETIC CLOSE

Slip in protective vertical flip case. Padded leather hard flip with magnetic holding. Protection to whole phone including screen from any knocks, bumps and scratches with out hindrance to the phones overall use or features.



### ALC - FITTED HARD CASE FLIP PU LEATHER

#### PU LEATHER - FELT LINED - MAGNETIC LATCH

Protective Flip-Style wallet pouch with magnetic Holding flip gives protection to the whole phone including the screen from any knocks, bumps and scratches with out hindrance to the phones overall use or features.



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## □ Fashion Cases

### SCC SILICONE PROTECTIVE CASES

#### iPhone 4, iPad & MORE...

Soft feel silicon cases in assorted styles and colours. Protection against minor bumps and scratches.

**Cellink®**  
Mobile Media Products



### TPU GEL CASES

Made from tough and flexible TPU material.

All ports and buttons with opening's for easy access. High level of protection against bumps and scratches.



### BPC ONE PIECE HARD

One-piece hard plastic shell clips on phone protects from minor bumps and scratches. All ports and buttons with opening's for easy access. Light weight and slim fitting designs will not add bulk to the phone. Available in many styles and prints and colours.



### BPC TWO PIECE HARD

Two-piece rugged hard plastic shell clips onto phone for protection against bumps and scratches. Access to all ports and buttons.

Available in many styles and prints and colours.



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## □ Fashion Cases

### OMO LEATHER POUCH

#### iPHONE 5 OMO

125x60x9mm

Colour	Code
Aqua	POU9050-125
Blue	POU9050-120
Brown	POU9050-133
Green	POU9050-126
Hot Pink	POU9050-129
Orange	POU9050-124
Pink	POU9050-127
Purple	POU9050-128
Red	POU9050-123
Yellow	POU9050-121



## □ Slip-In Cases & Socks

### VELVET POUCH PINK

#### UNIVERSAL SIZES

Velvet feel soft pouch. Protect your phone from minor scratches and light bumps. Designed to suit iPhone, HTC & Samsung touch phones, etc. Size approximate.

Colour	Size	Code
Pink	115x65x12mm	POU9004-307



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Mobile Media Products

### LEATHER POUCH

#### SOFT LINED POUCH

Leather soft feel pouch. Protect your phone from minor scratches and light bumps. Quality accessory designed to suit iPhone 3 & 4, HTC & Samsung touch phones, etc. Size approximate.

Colour	Size	Code
Red	137x70x8mm	POU6500-143
White	137x70x8mm	POU6500-141
Brown	125x55x10mm	POU9050BR
White	125x55x10mm	POU9050WH



**Cellink®**  
Mobile Media Products

### SOCK CASE PHONE

#### SIX PACK OF SIX COLOURS

Keep your phone safe and snug with this fashionable and colourful range of socks. Comes in pack of 6 assorted colours.

Will stretch to suit most types of phones.

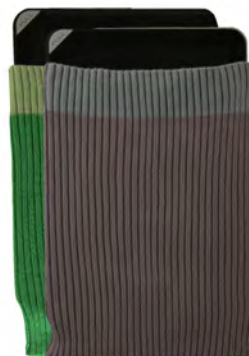
Size	Code
115x65x12mm	SOC1000



### SOCK CASE TABLETS & iPADS

Keep your iPad or Tablet safe and snug with this fashionable and colourful range of socks. Stretches from about 160mm to 240mm max. Height is about 220mm

Colour	Code
Grey	SOC9030GY
Green	SOC9030GN



### VELVET POUCH TABLETS & iPADS

#### DENSE TUFFLED PILE - DOUBLE LINED

Saves your valuable tablet PC from scratches. Pocket closes with bobble catch. Suits iPad/2, Xoom, Sony, LG, etc. Approx. 265x230mm

Colour	Code
Cream	POU9030-131
Black	POU9030-132







# Communications

## □ Leather Cases

### VERTICAL SLIP-IN LEATHER POUCH

#### WITH PULL UP TAB & CARD SLOT

Leather pouch with quick pull-up tab and some with front pocket for credit cards, etc. Soft non-scratch interior lining. Universal size to suit many smart-phones.

Size	Colour	Code
150x80x8mm	Blue	ALC6514-540
150x80x8mm	Hot Pink	ALC6514-549
150x80x8mm	Brown	ALC6514-555
138x70x8mm	Black	POU125
70x10x135mm	Black	POU127BK
125x70x10mm	Black	POU6456-312
125x70x10mm	Deluxe BK	POU6456-352
115x60x10mm	Black	POU9004-112
115x60x10mm	Black	POU9004-332



ALC6514-540



ALC6514-549



ALC6514-555



POU6456-312



POU125



POU127BK



POU6456-352



POU6474-112



POU9004-112



POU9004-332

### MORE STYLES AVAILABLE

Go to our website and look up your model of mobile phone to see an extensive range of Premium Quality Leather Cases Exclusive to Cellink.

**Cellink®**  
Mobile Media Products



Phone Not Included







## HORIZONTAL SIDE CARRY LEATHER POUCH

Premium Quality Leather Side Pouches  
Exclusive to Cellink. Blister packaging.  
Magnetic latch. Pager type belt clip.  
Black, hard durable genuine leather.  
Bottom cut for easy phone removal.  
Side holes for mini-hands-free, etc.

Size	Code
117x70x14mm	POU108
110x50x20mm	POU112
110x46x19mm	POU113
90x45x15mm	POU114
125x67x15mm	POU117
130x65x12mm	POU120
142x73x8mm	POU124
160x80x10mm	POU133
160x80x10mm	POU134
100x45x20mm	POU4070
120x65x5mm	POU6478-152
116X60X15mm	POU9001
115x60x15mm	POU9020



POU112



POU118



POU113



POU114



POU124



POU117



POU120



POU118



POU133



POU134



POU4070



POU9001



POU9020



POU6478-152





## LEATHER CARRY POUCH

Premium Quality Leather Carry Pouches Exclusive to Cellink. Magnetic latch. Treated, hard durable genuine leather.

### Samsung Galaxy S3

Colour	Code
Red	POU6478RD
White	POU6478WH



For other brands and models, see the website....

## SLIP POUCH SOFT

### IPHONE & OTHERS

Slim line design with premium look and feel. High quality finish. Magnetic closing flip to keep phone secure.



## CAS - FITTED CASES LEATHER

### PREMIUM CELLINK

Premium grade genuine leather cases for general purpose phone protection to suit a comprehensive range of mobile phones. Belt clip. Clear facia. Quality zipper.



## DLC - FLIP CASE PU LEATHER

Attractive style in protecting your new valuable technology. Firm, padded, holster type cradle holds the phone secure. Padded Leather flip cover with magnetic catch holds closed. Long wearing PU-Leather. Button-Remove secure belt clip. Phone specific cases with pager-clip, soft leather, access cuts, packaged.



## SLIP POUCH WITH FLIP

### WIDE HOLSTER

Suits smart phones, smaller PDAs, etc. Slightly wider than average sized holsters. PU Synthetic Leather Magnetic clasp lock. Elastic sides expand. Handy pager belt clip. Premium quality Scala.



## SLIP POUCH WITH FLIP

### STURDY PADDED LEATHER - MAGNETIC FLAP

Quality design and construction vertical leather iPhone pouch. Magnetic latch to keep phone secure in pouch. Two in one side carrying solution with loop-through or clip on belt.

**Cellink®**  
Mobile Media Products



## WALLET SIDE POUCH CLASSIC

### SWIRL CLIP

Premium leather iPhone side carry pouch. Rotating belt clip for vertical or horizontal carrying position on belt. Magnetic locking flip.



## FITTED HARD CASE WALLET STITCHED

### COLOUR INSET OPTION

Protective Flip/Wallet carry case. Made with Soft feel PU leather. Strong hold magnetic close flip. Includes two handy business card holders inside the front cover.



## ALC - FITTED HARD CASE FLIP GENUINE LEATHER

### SYNTHETIC - MAGNETIC LATCH

High quality genuine leather case. Protective Flip-Style wallet pouch with magnetic holding flip gives protection to the whole phone including the screen from any knocks, bumps and scratches with out hindrance to the phones overall use or features.



## CROCODILE TEXTURE LEATHER CASES

Premium grade leather cases for general purpose phone protection with stand feature and magnetic latching. Suits to Galaxy, iPhone and others.



All product and company names are registered® trademarks™ of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Phones & Tablets shown are Not Included.



# Tools & Test Equipment



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# Tools and Test Equipment

## □ Hand Tools

### □ Screwdrivers

#### FLAT BLADE SCREWDRIVERS

Chrome Vanadium Hardened. Sold individually with SOFT rubber handle for easy grip. Premium grade professional tool. Japan Sunflag Supplied but brand may differ depending on stock available.

Shaft	Diam.	Code
10cm	4.0mm	HT620
20cm	4.0mm	HT625
10cm	6.0mm	HT680



PLEASE NOTE: VESSEL BRAND MAY BE SUPPLIED DEPENDING ON STOCK

#### PHILLIPS HEAD SCREWDRIVERS

Chrome Vanadium Hardened. Sold individually with SOFT rubber handle for easy grip. Premium grade professional tool. Japan Sunflag Supplied but brand may differ depending on stock available.

Shaft	POINT	Code
10cm	4mm,00	HT600
10cm	4mm,0	HT605
15cm	4mm,1	HT610
7.5cm	6.0mm,1	HT650
10cm	6.5mm,2	HT655



PLEASE NOTE: VESSEL BRAND MAY BE SUPPLIED DEPENDING ON STOCK

#### LONG SCREWDRIVER

Length	Shaft	POINT	Code
295mm	200mm	#2	HT2200



#### SUNFLAG CUSHION GRIP SCREWDRIVER KIT

5 Piece kit in a vinyl pouch. Chrome-vanadium hardened. Comfortable cushion rubber grip for non-slip, greater torque & control with less fatigue. Highest Quality. Made in Japan. Shaft lengths may vary slightly.

Shaft 100mm Phillips #1, 100mm Phillips #2, 150mm Phillips #2, 75mm Slotted 5.5mm Blade, 100mm Slotted 6.0mm Blade

Code
HT5600



#### ELECTRICAL INSULATED SCREWDRIVER CAT-III

##### DVE IEC60900:2004 PREMIUM GRADE PROFESSIONAL SET

High Quality 1000V insulated Phillips / Blade screw driver set Bright CAT-III Red in colour. Insulated shaft protection Ideal for electrical applications. Large easy-grip comfortable rubber double molded handle. Packaged in a hand plastic tool casing for portable storage. Phillips #0 #2 #3  
Blade 3.5 4.0 5.5 6.5mm

Code
HT78017



BLADE	PHILLIPS
Size:	Size:
1.2x6.5x150	PH2x100
1.0.5.5x125	PH1x80
0.8x4x100	PH0x60
0.6x3.5x75	

300x205x55mm

#### INSULATED SCREWDRIVER KIT 1000V

Contains 4 blade type & 3 Phillips type drivers. 1000V fully insulated. Various shaft lengths and tip sizes. Chrome-vanadium steel for extended wear. Also contains a neon 100V - 500V AC tester.

Code
HT550







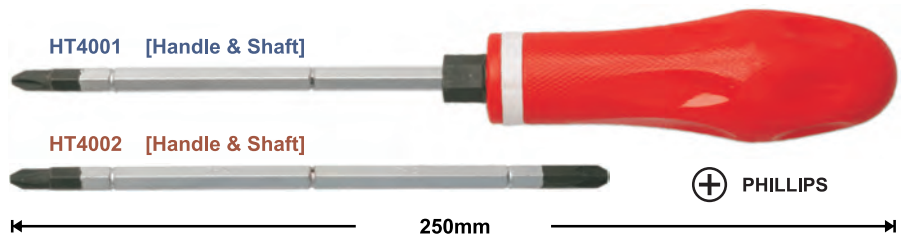
## PHILLIPS REVERSIBLE SCREWDRIVER

### TWO SIZES [DOUBLE] IN-ONE DRIVER

Long-Life Chrome Vanadium Hardened tipped.  
Reverse the 1/4" HEX shaft to change tip size.  
Two common Phillips Cross-Blade available.  
Easy-Grip handle with one flip shaft each.

Length	POINT	Code
25cm	#1 & #2	HT4001
25cm	#2 & #3	HT4002

Order one to receive one handle and one shaft. Compatible with HT1101, etc.



## 20-IN-1 SCREWDRIVER KIT

### HANDLE WITH FLIP-SHAFTS IN A CASE

Supplied with one handle and 10x double ended shafts. Two locking positions for SHORT or LONG SHAFT positions.

Large easy grip double molded handle with comfortable rubberized. Simply choose the shaft with the appropriate vanadium hardened tip, insert into the handle and lock into place at the desired shaft length. Torx / Pozi / Hex / Phillips / Blade screwdriver tips. Packaged in a hand plastic tool casing for portable storage.

Code  
HT1101



## DELUXE MULTI-DRIVER KIT

### 42 PIECE SCREW DRIVER SET

8 Pieces of common sized hand grip screw drivers with comfort grip rubber 7 Pieces of jeweller sized thumb drivers of blade and phillips head tips. 12 Piece (x2) double sided HEX bits with comfort-grip rubber handle driver. Bonus flexible HEX bit extension arm for hard to reach screws, etc. Packaged in a hand plastic tool casing for portable storage. Includes Blade, Phillips, HEX, Pozi and Torx drives Handy, heavy-duty Transport case 400x270x60mm

Code  
GSD306



## ELECTRIC SCREWDRIVER WITH 18 BITS

Torque: 2.5Nm  
Voltage: 4.8V  
Drill time: 40 mins  
Included bits: Pozi (PZ0, PZ1, PZ2, PZ3)  
Phillips (PH0, PH1, PH2, PH3)  
Torx (T10, T15, T20, T25)  
Hex (H3, H4)  
Bit Extender  
Mains charger included  
Dimensions: 270x45x37mm

Code  
CD2497



## SCREWDRIVER SET 7 PIECE

### MEDIUM & FULL SIZED

Chrome vanadium.  
Magnetic Tempered hardened tips.  
Double moulded handles.  
Soft rubber easy-grip.  
Blade 3x75, 5x75, 6x100mm  
Phillips Head PH0/75mm  
PH1/75, PH2/100, PH2/150mm.

Code  
STD7256

MADE IN TAIWAN



## BLADE SCREW DRIVERS WITH SAFETY TEST

Mini general purpose electricians blade screwdrivers with voltage detectors for safely working on terminal strips, etc. Each driver is approximately 6" with ~3mm tip.

Voltage	Type	Code
6V-24Vdc	LED	TL023LED
70V-250Vac	NEON	HT500
0V-10KV	LED	MS18







# Tools and Test Equipment

## Hex Drivers

### APEX 1/4" HEX DRIVER USA

Quality construction by Apex USA from chrome vanadium steel for tough reliable tool action. Non-magnetic tip holder suits all 6mm Hex tips.

Code  
HT1500P  
MADE IN USA



### SOCKET DRIVER

#### DEEP NUT DRIVER 8mm & 10mm

Long throat for nut on thread affixing. Premium grade Japan SUN-FLAG. Rubber Grip.

Size Code  
8.0mm HT808  
10.0mm HT810



### APEX 1/4" HEX DRIVER

Handle is hollow and capped for storing some tips. Quality construction from chrome vanadium steel for tough reliable tool action. Magnetic tip holder for holding screw on head. Suits all 6mm Hex tips.

Code  
HT1025  
MADE IN TAIWAN



### SUN-FLAG RATCHET 1/4" HEX

Standard sized driver with four hardened bits included. Suitable for any 1/4" bits. Ball bearing lock system. Left/right/fixed Ratchet. Quality Japan construction. 220mm. Cavity storage handle.

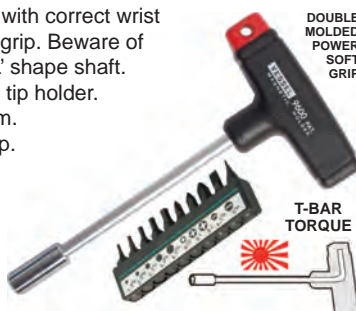
Code  
HT1800  
MADE IN JAPAN



### VESSEL T-BAR DRIVER 1/4"HEX

Can fasten & remove a screw with correct wrist control, giving better torque & grip. Beware of cheap imitations without the 'L' shape shaft. This shaft won't slip! Magnetic tip holder. Soft handle, Chrome Vanadium. 170mm long inc' handle, not tip. Original patent design. Tips supplied 10 pieces.

Code  
HT9600  
MADE IN JAPAN

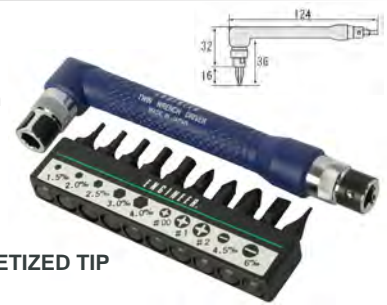


### TWIN WRENCH DRIVER SET

Two bit holders which allows it to be used as a wrench or as a driver. Includes 1.5mm 2.0mm 2.5mm 3.0mm 4.0mm hex bits, #00 #1 #2 Phillips head bits, and 4.5mm, 6mm flat head bits. Knurled Cushioned Grip.

Code  
DR-07

MAGNETIZED TIP



### VESSEL RATCHET DRIVER 1/4" HEX

Flat plate ratchet design for precise controlled torque action to remove any stubborn screws, etc' with the correct action and reduced risk of damage. Comes complete with 10 tips mounted in a belt clip. 125mm long.

Code  
HTD70  
MADE IN JAPAN



### VESSEL T-BAR RATCHET 1/4" HEX

Comfortable grip & action with repeated wrist turns. Left/Right/Fixed ratchet. Reliable multi-purpose hand tool kit with T-grip. Suit 1/4". Supplied with 5 Phillips/ Blade bits. 100mm long.

Code  
HTD80  
MADE IN JAPAN



### SUN-FLAG 1/4" HEX STUBBY DRIVER

Low-profile solution. Suits any 1/4" bits. Includes a double ended blade & cross-head bit. Suits No.1, 2, 3. Premium triple molded. Handy Cup-Screw slot.

Code  
HTD96  
MADE IN JAPAN



### TOMCAT SCREWDRIVER LIGHT

Features 6 Superbright LEDs  
6 Bits included  
Flathead 1/4", 3/32" & 1.5mm  
Phillips #0, #1, #2,  
Batteries included

Dimensions Code  
150x30Ø mm XT038







## MICRO-DRIVERS RATCHET 62 PIECE

### WITH SECURITY TIPS

Heavy-duty ratchet driver Precision tool. Comfort grip. with a collection of 59 tips Including standard driver tips and security tamper-proof bits butterfly, snake-eye, torx®, etc. Magnetic drill adaptor socket.

Code  
ST26092

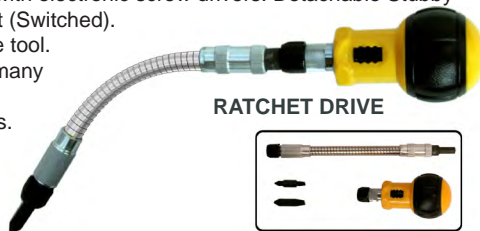


MADE IN TAIWAN

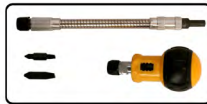
## SUNFLAG 1/4" HEX WITH FLEXIBLE SHAFT

175mm Flexible shaft. Hex to Hex. All-metal Heavy-duty construction can also be used with electronic screw drivers. Detachable Stubby driver with Ratchet (Switched). Professional grade tool. Bend & twist into many awkward places. Includes 2x 1/4" Bits. Product of Japan.

Code  
HT193FB



RATCHET DRIVE



## SCREW DRIVER 32 PIECES BIT SET

### 32-PIECE BIT SET

Made with industrial grade steel for a wide range of applications. 32 piece 1/4" hex bits adaptable for hex-drivers or electric drill & socket wrench. All popular screw-driver bits including security drives, etc. Plus magnetic bit holder, and hex to square adaptor.

### KIT INCLUDES

1 x 1/4" magnetic bit holder  
1 x 1/4" drive male adaptor  
1 x 1/4" drive female adaptor

### BITS

Phillips # 1, 2, 2 & 3  
Square drive # 0, 1, 2 & 3  
Slotted 4, 5, 6, & 7mm  
Hex # 2, 2.5, 3, 4, 5.5, & 6  
Pozi drive # 1, 2, 2 & 3  
Security Torx T10, T15, T20, T25, T27, T30 & T40

Code  
HT11132



## SOCKET PIN HEAD 1/4" HEX TIPS KIT

### 11 PCS 5-POINT SPECIAL BIT SET

Professionals Choice Special automotive kit. Very low wear and tear long lasting material. Pocket size and very Light weight. Kits Includes T10, T15, T20, T25, T27, T30, T40, T45, T50, One 1/4" square drive x 1/4" hex socket adaptor and one 1/4" hex drive , 60 mm long bit holder. Size :114x55x20 mm

Code  
DA9728



## 32 PIECE 1/4" HEX TIP KIT

### INCLUDES SECURITY BITS

Excellent selection of 1/4" HEX Bits for use with Cordless drills, etc.. Economical. Made in China Inc. many security bits Torx, Tri-wing, Pin-Head, etc.

Code  
HT2551



75mm  
1/4"

## MULTI-BIT DRIVER SET 100 PIECE

Ultimate kit of a full assortment of 1/4" hex bits adaptable for hex-drivers or electric drill & socket wrench. All popular screw-driver bits including security drives, etc. Plus magnetic bit holder, socket driver extensions, and hex to square adaptor.

Code  
HT2038



## SCREW DRIVER 76 PIECES BIT SET

### 76 PIECE BIT SET

Made with industrial grade steel for a wide range of applications. 76 piece 1/4" hex bits adaptable for hex-drivers or electric drill & socket wrench. All popular screw-driver bits including security drives, snake eye drives , Tri-wing drive etc. It also includes an aluminium alloy hand driver for a more comfortable hold.

### KIT INCLUDES

1x Aluminium alloy hand driver with 75mm extendable steel shaft.  
1x 1/4" Quick release locking bit holder

### BITS

Phillips # 0, 0, 1, 1, 2, 2, 2, 2, 3, 3, 4, 4  
Square drive # 0, 1, 2, 3 & 4  
Slotted 3, 3.5, 4.5, 5, 5.5, & 6.5  
Pozi drive # 0, 1, 2, 2, 3 & 4  
Torx T5, T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45 & T50  
Spanner(Snake eye) # 4, 6, 8, 10 & 12  
Spline # 4, 5, 6, 8  
Hex # 1.5, 2, 2.5, 3, 4, 5.5, 6, & 7  
Security Torx T10, T15, T20, T25, T27, T30, T40, T45 & T50  
Tri Wing #1, 2, 3, 4 & 5

Code  
HT11176







# Tools and Test Equipment

## □ Eye Protection

### MAGNETIC DRILL BIT ADAPTOR

Allows quick connection of 1/4" Hex bits with drills.  
Magnetized. Tradesman grade. 76mm long.

Code  
HTCM40

DRILL BIT ADAPTOR ONLY  
1/4" TIPS SOLD SEPARATELY



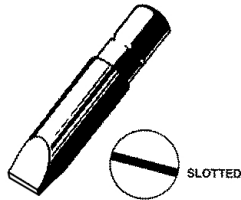
### 1/4" HEX TIPS

PREMIUM GRADE HARDENED STEEL LONG LIFE TIPS  
OFFICIAL PATENTS

### BLADE 1/4" HEX TIPS

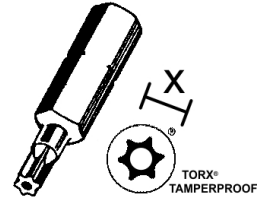
Size	Diam.	Code
4F / 5R	6.2x.85mm	HEX204
8F / 10R	6.2x1mm	HEX208
10F / 12R	6.2x1.3mm	HEX210

PREMIUM GRADE HARDENED STEEL  
LONG LIFE TIPS OFFICIAL PATENTS



### TORX TAMPER PROOF 1/4" HEX TIPS

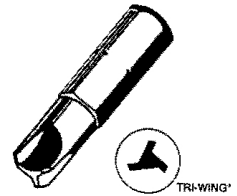
Size	Diam.	Code
#3	0.9mm	HEX803
#4	1.1mm	HEX804
#5	1.3mm	HEX805
#6	1.5mm	HEX806
#7	1.7mm	HEX807
#8	2.0mm	HEX808
#9	2.2mm	HEX809
#10	2.5mm	HEX810
#15	3.0mm	HEX815
#20	3.6mm	HEX820
#25	4.0mm	HEX825
#27	4.3mm	HEX827
#30	4.8mm	HEX830



PREMIUM GRADE  
HARDENED STEEL  
LONG LIFE TIPS  
OFFICIAL PATENTS

### TRI-WING 1/4" HEX TIPS

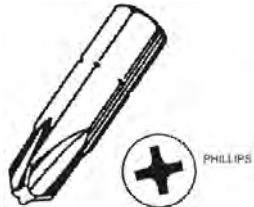
Size	Diam.	Code
W1	4.7mm	HEX301
W2	4.7mm	HEX302
W3	4.7mm	HEX303
W4	6.3mm	HEX304



### PHILLIPS 1/4" HEX TIPS

Size	Code
#2	HEX402
#3	HEX403

PREMIUM GRADE HARDENED STEEL  
LONG LIFE TIPS OFFICIAL PATENTS



### SNAKE EYE 1/4" HEX TIPS

Size	Gap	Code
#4	1.5mm	HEX704
#6	2.0mm	HEX706
#8	2.5mm	HEX708
#10	3.3mm	HEX710
#12	4.0mm	HEX712
#14	4.5mm	HEX714



### POZI-DRIVE 1/4" HEX TIPS

Size	Code
#2	HEX442
#3	HEX443

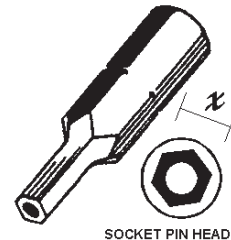
PREMIUM GRADE  
HARDENED STEEL  
LONG LIFE TIPS  
OFFICIAL PATENTS



### SOCKET PIN HEAD 1/4" HEX TIPS (Metric)

Size	Code
2.5mm	HEX625
3mm	HEX630
4mm	HEX640
5mm	HEX650

PREMIUM GRADE  
HARDENED STEEL  
LONG LIFE TIPS  
OFFICIAL PATENTS

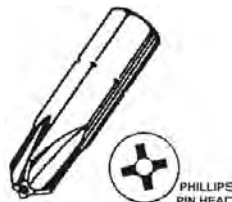


SOCKET PIN HEAD

### PHILLIPS PIN-HEAD 1/4" HEX TIPS

Size	Code
#2	HEX482
#3	HEX483

PREMIUM GRADE  
HARDENED STEEL  
LONG LIFE TIPS  
OFFICIAL PATENTS

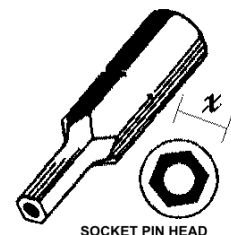


PHILLIPS  
PIN HEAD

### SOCKET PIN HEAD 1/4" HEX TIPS (Imperial)

Size	Code
3/32", 2.3mm	HEX633
1/8", 3.1mm	HEX618
5/32"	HEX653

PREMIUM GRADE  
HARDENED STEEL  
LONG LIFE TIPS  
OFFICIAL PATENTS



SOCKET PIN HEAD





## □ Screwdrivers

### TRI WING SCREWDRIVERS

Chrome Vanadium Hardened tips  
Premium professional grade tool  
Full length driver (shaft)  
Vessel Japan.

Size	Shaft	Diam.	Code
TW3	15cm	4.8mm	HTW3
TW4	15cm	6.4mm	HTW4
TW5	15cm	6.4mm	HTW5



### TORX SCREWDRIVERS

Sold individually. Premium grade quality tool. 10cm long shaft with rubber soft grip handles.

Size	Diam.	Code
T5	1.4mm	HT5H
T6	1.8mm	HT6H
T7	2.0mm	HT7H



### ECONOMY T6 DRIVER

125mm total length. Suit Nokia, etc.

Size	Diam.	Code
T6	1.8mm	HT1006

### TORX TAMPER PROOF SCREWDRIVERS

Sold individually. **10cm** long shaft

Size	Diam.	Code
T8	2.25mm	HT8H
T9	2.50mm	HT9H
T10	2.70mm	HT10H
T15	3.25mm	HT15H
T20	3.80mm	HT20H
T25	4.40mm	HT25H
T27	5.00mm	HT27H
T30	5.50mm	HT30H



### TORX TAMPER PROOF - LONG SHAFT SCREWDRIVERS

Chrome Vanadium Hardened. Sold individually. **20cm** long shaft

Size	Diam.	Code
T8	2.25mm	HT8HLG
T10	2.70mm	HT10HLG
T15	3.25mm	HT15HLG
T20	3.80mm	HT20HLG
T25	4.40mm	HT25HLG
T27	5.00mm	HT27HLG
T30	5.50mm	HT30HLG



### TORX TAMPER PROOF 7 PIECE SCREWDRIVER SET

High Quality Large easy grip double molded handles with comfortable rubberized handle, Chrome-Vanadium with hardened tips for long life. Can be used for special security Torx screws and standard Torx screws Packaged in a hand plastic tool casing for portable storage. Contains sizes: T10, T15, T20, T25, T27, T30, T40

Code  
HT78007B



### TORX / PLUS SCREW DRIVER SET 300mm

300mm long screwdriver set with double ended interchangeable blades. One end Torx® & other Torx Plus®. Sizes T10, T15, T20, T27, T30 & T40.

Code  
HT9342







# Tools and Test Equipment

## □ Screwdrivers Micro

### BLADE JEWELLERS SET

6 piece screwdriver set.  
Plastic Handle. Metal Tips.

Sizes:  
1.0mm,  
1.4mm,  
2.0mm,  
2.4mm,  
3.0mm,  
3.8mm

Code  
HT400



### PHILLIPS HEAD JEWELLERS SET

6 piece Phillips head  
Metal handle and tip.

0-4,  
0-3,  
0-2,  
0,  
1-2,  
1-1

Code  
HT410



### SCREWDRIVER SET

6 piece Swivel tops  
Flat Plastic Handle. Metal Tips.  
Blade: 1.2, 1.8, 2.4, 2.9mm  
Phillips: O, 1

Code  
HT420



### MICRO-DRIVERS SET 6 PIECE

#### BLADE & CROSS-HEAD

Deluxe heavy-duty made  
Soft rubber comfort grip  
Twist thumb swivel back  
105mm long shaft driver  
Heavy-duty storage case  
Cross-Head 00, 0, 1.  
Blade 2.4, 1.8, 1.4mm.

Code  
STD711



### MICRO-DRIVERS SET 6 PIECE

#### STAR DRIVER HEAD

Deluxe heavy-duty made Soft rubber  
comfort grip Twist thumb swivel back  
105mm long shaft driver Heavy-duty  
storage case Star head (Like Torx®)  
T5, T6, T7, T8, T9, T10

Code  
STD712



### MICRO-DRIVERS SET 15 PIECE

#### COMBINES ABOVE KITS+

Deluxe heavy-duty 100mm Kit contains  
15 drivers Cross-Head 00, 0, 1. Blade 2.4,  
1.8, 1.4mm Star head (Like Torx®) T5, T6,  
T7, T8, T9, T10 Hex H1.5, H2.0, H2.5mm.

Code  
STD713



### MICRO-DRIVERS MIN SET 4 PIECE

#### POCKET FIT

Jewellers screw driver  
Changeable tips to suit  
Includes handy case Mini screw  
container Blade 1.5, 2.4, 3,  
3.5mm Cross-Head 0 and 1.

Code  
HT390

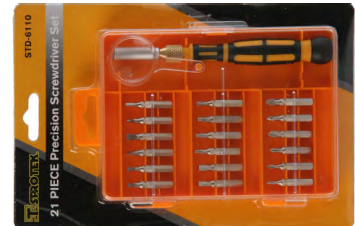


### MICRO-DRIVERS KIT 21 PIECE

#### CHANGEABLE TIPS

Compact case includes  
Deluxe soft grip 100mm  
120mm extension shaft  
Exchangeable tips Inc:  
Blade, cross-head, hex,  
and star-drive (Torx®)  
Bonus Small magnifier.

Code  
STD6110



### MICRO-DRIVERS KIT 33 PIECE

#### CHANGEABLE TIPS

Compact case includes  
Deluxe soft grip 100mm  
120mm extension shaft  
150mm flexible shaft  
Exchangeable tips Inc:  
Blade, cross-head, hex,  
and star-drive (Torx®).

Code  
STD6133



### MICRO-DRIVERS KIT 27 PIECE

#### CHANGEABLE TIPS

Compact case includes  
Deluxe soft grip 120mm  
105mm extension shaft  
and a flexible shaft  
Exchangeable tips Inc:  
Blade, cross-head, hex,  
star-drive and sockets.

Code  
STD5820



### MINI-THUMB-DRIVER SET WITH 28 BITS

Compact, high quality, comfortable, metal  
thumb-driver kit with jeweller driver bits  
Includes some extra security driver bits  
and a carry case.

Phillips #000 #00 #0 #1 #2  
Blade 1.5 1.7 2.0 3.0 4.0mm  
HEX HN3 3.5 4 4.5 5 5.5 6  
Triangle, Tri-Bit, and Torx (x8)

Code  
GTK2130



### MICRO-DRIVERS RATCHET 12 PIECE

#### CHANGEABLE TIPS

Deluxe comfort grip.  
Internal storage of tips.  
Push-button open chamber  
Includes 11 tips total  
Blade, cross and star.  
Ratchet head mechanism  
Compact toolbox solution.  
150mm total length.

Code  
STD6511







## □ Screwdrivers Micro

### 20 PIECE UNIVERSAL TOOL SET

#### ONE-DRIVER MULTI-BIT

Flat (blade) and nut drivers as well as hex keys and open wrenches in a case. Inserts into common handle (twist lock).

Blades: 1.5, 2.5, 3.5 mm

Cross: No.0, 1 & AWI

HEX: 1.5, 2.0, 2.5mm

Nut: 4.0, 4.5, 5.0, 5.5, 6.0 mm

Code

HT440



### NUT DRIVER SET

5 piece nut driver Metric HEX Socket set

Sizes

3.0mm,

3.5mm,

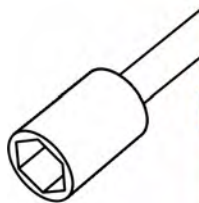
4.0mm,

4.5mm,

5.0mm

Code

HT430



### LONG REACH SCREWDRIVER KIT

Consists of 3 Phillips head & 3 blade type screwdrivers. An extra long shaft allows you to reach difficult screws.

Code

HT535



### JEWELLERS SCREW DRIVER SET

16 piece Phillips, flat head and socket screwdrivers.

Screwdrivers included:

6 Flathead: 1mm to 3.8mm

4 Phillips: 0, 1

3 Allen key: 1.5mm to 2.5mm

3 Hex socket: 3mm to 5mm

Code

HT416



### PEARL CATCHER PARTS PICKER

For removing small screws and other parts from hard to get at places. Spring loaded, all metal construction. Approx. 100mm long.

Code

PU5



### TRI-POINT MINI-DRIVER

3mmØ Mini Driver

Suit Nintendo-Wii Nokia and others.

Security driver Professional grade

Made in Japan tool Sunflag 17-C

Code

HT888



### CERAMIC ALIGNMENT DRIVERS

#### ESD Safe Long-Life tips

Zirconium fine ceramic tips are durable, non-conductive, anti-static and anti-magnetic.

Description	Code
Phillips #0	DA88
0.4x2.4mm TIP	DA82
0.4x1.8mm TIP	HT418
0.4x1.3mm TIP	HT413
0.4x0.9mm TIP	HT409



### TRIMMING ADJUSTMENT SET

#### 10 PIECES

A set of ten piece hand tools 115mm

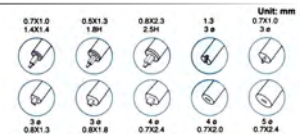
Assorted tips for alignment & adjust

Made from ABS Non-inductive

Made in Taiwan

Code

1PKA001

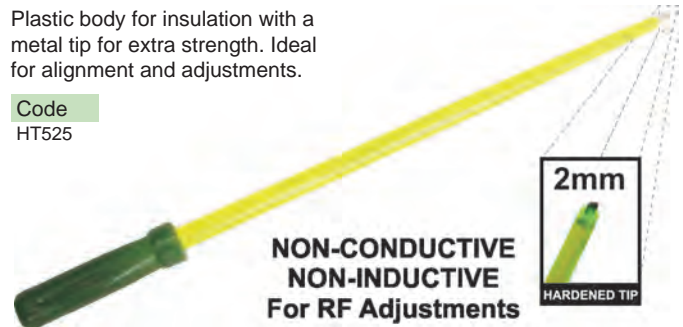


### ALIGNMENT SCREWDRIVER

Plastic body for insulation with a metal tip for extra strength. Ideal for alignment and adjustments.

Code

HT525



NON-CONDUCTIVE  
NON-INDUCTIVE  
For RF Adjustments



### MINI SECURITY DRIVER SET

Actually fabricated specifically for cellular phone servicing. Includes Phillips, Blade, Torx tamper proof drivers, and others for antenna release, etc. 8 drivers +more.

Code

HT880



### PEARL CATCHER PARTS PICKER

For removing small screws and other parts from hard to get at places. Spring loaded, all metal construction. Approx. 100mm long.

Code

PU5



### TRI-POINT MINI-DRIVER

3mmØ Mini Driver

Suit Nintendo-Wii Nokia and others.

Security driver Professional grade

Made in Japan tool Sunflag 17-C

Code

HT888



### TOOL TORCH

#### ATTACHES TO HAND TOOLS

Hands free illumination Small single super bright LED torch on an adjustable magnetic base for attachment to a screw driver, spanner or any metal surface.

Code

TML1







# Tools and Test Equipment

## Tweezers

### TWEEZERS - ANTISTATIC ESD

Poly carbonate non-twisting plastic Precision tweezers suitable for electrostatic electronics too. Chemical and heat resistant (+220C).

#### SHARP NOSE

Code  
HTJ207



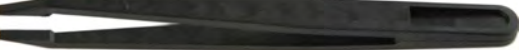
#### ROUND NOSE

Code  
HTJ203



#### 3MM NOSE

Code  
HTJ205



#### 7MM NOSE

Code  
HTJ206



#### 12MM NOSE

Code  
HTJ202



### STAINLESS STEEL TWEEZERS

Selected professional tool. Surgical quality tools, Anti-acid, Anti-Magnetic, Non-Corrosive. Polished. Non-slip. Long Life. Won't distort. HRC40 hardness. Premium grade.

#### 110mm FINE TIP STRAIGHT

Code  
TW-ST10



#### 110mm SUPER FINE TIP STRAIGHT

Code  
TW-ST14



#### 115mm FLAT & ROUND

Code  
TW-ST13



#### 120mm FINE TIP CURVED

Code  
TW-ST15



#### 135mm FINE TIP STRAIGHT

Code  
TW-ST12



#### 140mm FINE TIP STRAIGHT

Code  
TW-ST11



### STAINLESS STEEL TWEEZERS - SWISS

Super fine high precision, High exactitude, Exceed hard, Anti - Magnetic, Anti - Acid, Non - Corrosive. HRC40 hardness. Premium grade. Long service life.

#### 110mm SUPER FINE TIP STRAIGHT

Code  
TW-3CSA



SWISS QUALITY

#### 120mm SUPER FINE TIP STRAIGHT

Code  
TW-3SA



#### 125mm SUPER FINE TIP STRAIGHT

Code  
TW-AASA



#### 135mm SUPER FINE TIP STRAIGHT

Code  
TW-00SA



#### 140mm SUPER FINE TIP STRAIGHT

Code  
TW-SSSA



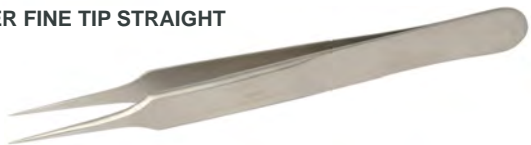
#### 120mm SUPER FINE TIP CURVED

Code  
TW-7SA



#### 110mm SUPER FINE TIP STRAIGHT

Code  
TW-4SA



#### 115mm SUPER FINE TIP STRAIGHT

Code  
TW-5SA



#### 125mm SUPER FINE TIP STRAIGHT

Code  
TW-2SA



#### 120mm FLAT & ROUND

Code  
TW-2ASA



#### 120mm FLAT TIP

Code  
TW-34SA







## Allen Key

### ALLEN KEYS MINI-KIT

#### EXTENDED RANGE 0.7mm

Miniature keys not usually found in standard sized kits. These unique keys are required for guide posts, heads, motor pulleys, etc.

Kit includes 7 pieces  
0.7, 0.9, 1.3, 1.5, 2.0, 2.5, 3.0mm.

Code

HV70



### HEX KEY SET - METRIC

#### 8X ALLEN KEY SET

8x steel allen keys

Metric value HEX

1.5, 2.0, 2.5, 3.0

3.5, 4, 5 and 6mm

Code

HT7542



### HEX KEY SET - METRIC

#### 7X FOLD-UP KIT

Metal handle with

7x steel allen keys

Metric value HEX

1.5, 2.0, 2.5, 3, 4,

5 and 6mm

Code

HT6371



### HEX KEY SET - IMPERIAL

#### 8X ALLEN KEY SET

8x steel allen keys

Imperial value HEX 1/16",

5/64", 1/8", 3/32", 5/32",

3/16", 7/32" and 1/4" Heat

treated long life

Code

HT7540



### HEX KEY SET - IMPERIAL

#### 9X FOLD-UP KIT

Metal handle with 8x steel

allen keys Imperial value

HEX Size 0.05" to 3/16"

Code

HT6292



## Files & Scribes

### HAND ASSIST TOOLS

A collection of assorted hand tools  
Scribes, hooks, blades, brushes, etc.  
designed to assist technicians in repair  
and servicing.

Code

SA10



### MINI NEEDLE FILES SET

#### MINI FILE KIT

Five assorted 140mm different

tip profiles: Round, square, flat.

Insulated handles.

High tensile steel

Suit hobby work

Close & fine detail.

Code

NF140



### MEDIUM NEEDLE FILES SET

#### 6 PIECES 190mm

Excellent selection of

useful sizes & shapes.

Medium hand tool sized

Rubber grip handles

Medium/Fine grit files

Convenient storage case

Handles have hook holes

Code

HT2500



### ENGINEER SCRIBER

#### HIGH-TENSILE STEEL

All metal hand tool for

scribing many surfaces

Sharpened point ends One

straight, other bent 175mm

total length Non-slip grip

Code

HT1824



## VCR Repair

### ALIGNMENT TOOLS

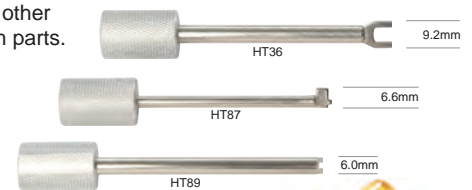
For adjusting VCR audio/control heads,  
tape guide path and other  
transport mechanism parts.

Code

HT36

HT87

HT89



### VIDEO HEAD EXTRACTOR

Adjustable to suit  
many brands.

Code

HT800







# Tools and Test Equipment

## Component Repair

### PLCC IC EXTRACTOR

For those delicate ICs with pins on all sides. This extractor first hooks under the diagonal corners then pulls upward evenly, removing the package without damage.

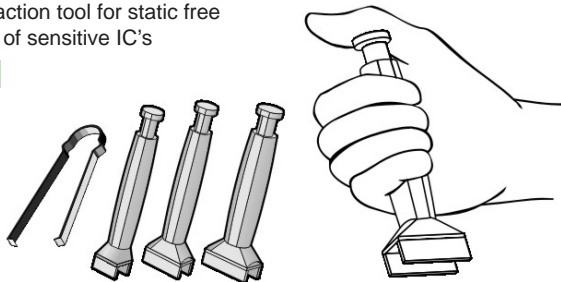


Code  
CY850

### IC TOOL SET ESD

Consists of three insertion tools and one extraction tool for static free handling of sensitive IC's

Code  
ICT4

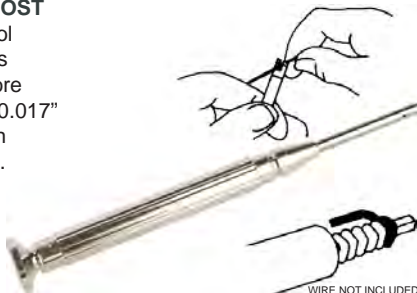


### WIRE-WRAP TOOL

#### WRAP/UNWRAP WIRE POST

Manual wire wrap hand tool  
Old-school type electronics  
Wraps 22-28AWG solid-core  
wire around square posts 0.017"  
Offers a secure connection  
Some prefer. No soldering.  
Twist thumb-screw tool

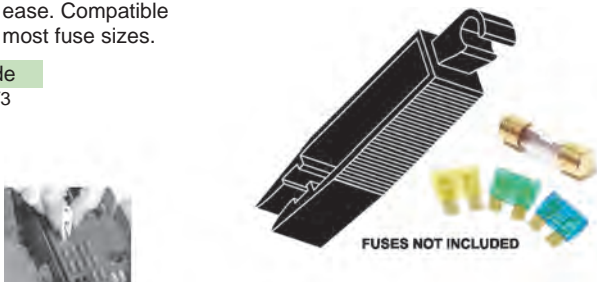
Code  
HTWR1



### FUSE REMOVER

Remove and insert fuses  
with ease. Compatible  
with most fuse sizes.

Code  
FRT3



### FUSE & RELAY REMOVER

#### 10" COMPONENT GRIP

Box joint adjustable  
9mm/35mm (Parallel) Grips  
components for safe and  
controlled extraction of  
items Excellent for tightly  
packed PCBs, etc.

Code  
YF-6254



## Tools Sets

### ELECTRONIC TOOL WALLET

#### 25 PIECE REPAIR KIT

An excellent variety of common electronic repair tools for the technician Soldering/De-Soldering, Screw drivers, Cutters, all manner of handy items. Zip-Case 285x195x50mm

Code  
GTK030B



### ELECTRONIC TOOL WALLET

#### 12 PIECE REPAIR KIT

An excellent variety of common electronic repair tools for the technician Cross, Blade, Nut drivers IC Extractor, tweezers, etc. Great kit for Computer techs' Zip-Up case.

Code  
GTK012



### ELECTRONIC TOOL WALLET

#### 23 PIECE REPAIR KIT

An excellent variety of common electronic repair tools for the technician Multi Tip driver w/ Torx IC Extractor, tweezers, Cutters, needle nose, etc. Handy little Zip-Up case.

Code  
GTK026



### SOCKET & WRENCH SET 29 PIECE

#### HIGH-QUALITY MINI-SET 6" RATCHET

Brushed-finish Chrome-Vanadium steel  
150mm ratchet and 150mm hand driver.  
Tommy-bar, extension bit & uni-elbow 12  
Piece metric socket 4mm to 13mm 12 Piece  
bit set. HEX, Phillips, etc. Packaged in a hand  
plastic tool casing.

Code  
GTK231







## Automotive

### FOLDING RADIO REMOVAL KIT

Clip design protects tools. Easier to grip than plain wires. Suits vehicles with Clarion, Sony, Blaupunkt systems.

Code  
HT8048



### AUTOMOTIVE REFITTING TOOL KIT

This auto refitting toolset consists of 12 pieces well design tool for refitting of car panels for GPS, stereo, radio and DVD installation.

Code  
REM000



### 12V WARNING LAMP

#### AMBER EMERGENCY STROBE

Excellent solution for safety and emergencies. 12Vdc accessories plug Curly cord 1M-2M long Felt padded magnetic base bonnet or hood placement Rotating globe mirror Spare globe included 120mm Base 145mm High Orange (Amber) in colour

Code  
TT1100



### 12V WORK LIGHT

#### 12V FLUORO TUBE 13W

Bright fluorescent double folded lamp with hook for under bonnet, camp sites, etc. 12Vdc. 1A. Includes 3.0M cable to accessories 12V plug. 370mm Long.

Code  
TT1104



### LED WORK LIGHT

#### 12V RECHARGEABLE

26X Super Bright LEDs. Charge from mains or Car 12V. 435mm in length. Includes 12Vdc & 240Vac chargers.

Code  
WL3



### RADIO SERVICE TOOL KIT

#### REMOVAL TOOLS

Unique hand tools required to remove todays car audio items Includes the 5 TORX bits GM Code retriever Chrysler radio remover Ford radio remover clips Antenna multi-wrench packaged in a tool box.

Code  
HTJ5800



### ANTENNA NUT SET

#### 5 PIECE KIT

Vanadium steel sockets Professional solutions Suits most car antenna HEX nut standard socket 20mm Dual/Tri/Quad 25mm and 30mm set.

Code  
AT300A



### ANTENNA WRENCH

#### STAMPED STEEL MULTI

Fits many of todays car antennas for removal. 20mm to 30mm.

Code  
HTJ5700



### FORD RADIO REMOVAL TOOLS

#### TWIN BULLET CLASPS

As required for removing the radio from the dash.

Code  
HTJ7575



### MERCEDES & BMW TOOL SET

#### IGNITION & RADIO

Kit contains:  
Radio removal tools Instrument cluster hooks Ignition lock removal

Code  
HTJ1135







# Tools and Test Equipment

## □ Crimpers

### HEAVY DUTY CRIMPING TOOL

RG178 RG179 RG180 RG187 RG316

Crimps outer and most inner.  
Replaceable jaws.

Code  
HT336T1



### REPLACEMENT JAW

Code  
JAW336T1

### HEAVY DUTY CRIMPING TOOL

F N BNC UHF SMA & ST SC

Popular HEX Crimp ratchet From 1.07mm to 4.52mm HEX  
Suits coax and optic cable also "Belden® 8218" crimp  
Replaceable jaws.

Code  
HT336J



### REPLACEMENT JAW

Code  
JAW336J

### RATCHET CRIMPING TOOL

RG174 SMA/SMB

Special SMA/SMB version Pin and Outer collar  
crimp 0.187 / 0.178 / 0.151 & 0.128" Shallow crimp  
for 0.068 & 0.042" 1.07, 1.72, 3.25, 3.50, 3.85mm  
4.52 and 4.75mm HEX Crimp

Code  
DL801V



### REPLACEMENT JAW

Code  
JAW801V

### HEAVY DUTY CRIMPING TOOL

RG58, 59, 62, 140

Sizes 6.48mm (.255"), 5.41mm (.213"),  
3.50mm (.137"), 2.54mm (.100"),  
1.72mm (.068"), 1.10mm (.043")

Code  
DL801G



Plus fibre-optic crimp tool!

### REPLACEMENT JAW

Code  
JAW801G

### HEAVY DUTY CRIMPING TOOL

RG58, 59, 62, RG8, 11, 213

Heavy duty. Crimps outer only.  
Replaceable jaws.

Code  
HT336D2



### REPLACEMENT JAW

Code  
JAW336D2

### UNIVERSAL CRIMP TOOL FRAME ONLY

8.7" WITH RATCHET

Universal ratchet crimping frame only. High quality made of carbon  
steel and hardened with black oxide finished. Suits to most of  
interchangeable jaws like HT-336 & HT-236 series.

Code  
HT336FM

NOTE:- No jaws supplied.

### PROFESSIONAL CRIMPING TOOL

GENERAL PURPOSE CRIMP TOOL

Heavy Duty ratchet tool. Suits the more  
popular crimp 5.4 & 6.5mm RG58U  
RG59U BNC TNC "F".

Code  
HT336A



### REPLACEMENT JAW

Code  
JAW336A

### HEAVY DUTY CRIMPING TOOL

8.7" RATCHET CRIMPING TOOL

RG59, RG62 and RG174.

Crimp sizes 1.07mm (.042"),  
1.73mm (.068"), 4.52mm (.178"),  
6.48mm (.255"), 7.06mm (.278").

Code  
HT336G4



### REPLACEMENT JAW

Code  
JAW336G4

### HEAVY DUTY CRIMPING TOOL

RG58 RG59 RG62 & RG6

Heavy duty construction tool designed to apply  
the correct amount of pressure so as to obtain  
a perfect result. Replaceable jaws.

Code  
HT336C



### REPLACEMENT JAW

Code  
JAW336C

### HEAVY DUTY CRIMPING TOOL

RG59 and RG6

Heavy duty construction and is designed to apply  
the correct amount of pressure so as to obtain  
a perfect result. Replaceable jaws.

Code  
HT336C2



### REPLACEMENT JAW

Code  
JAW336C2

### HEAVY DUTY CRIMPING TOOL

RG59 & RG6

HEX Crimp with 3 large sizes Heavy duty  
construction tool correct amount of pressure to  
obtain a perfect result 8.90mm / 8.13mm /  
6.48mm, 0.350" / 0.320" / 0.255"

Code  
DL801F



### REPLACEMENT JAW

Code  
JAW801F







## RG213 RATCHET CRIMPING TOOL

### 9" SUPER HEAVY DUTY

Pin and Outer collar crimp  
0.075 / 0.100 / 0.128 / 0.425"  
1.9mm / 2.54 / 3.25 / 10.9mm  
Suit RG8, RG9, RG11,  
RG174, RG316,  
BLDEN9913

Code  
DL801K

### REPLACEMENT JAW

Code  
JAW801K



## HEAVY DUTY CRIMP

### RG59, RG6, etc.

Our parts eg.; F322, F325, P545  
P541, S521, etc. Strong construction  
for these larger cable crimping. Easy  
double-action lever, low fatigue.  
HEX 1 8mm(0.322")  
HEX 2 9mm(0.359")

Code  
HT106H



## CRIMP TOOL EXTRA HEAVY DUTY

### F N BNC TNC UHF SMA etc.

Professional Ratchet type.  
2.54mm & 9.12mm & 12.06mm.  
Suit RG59, RG6, RG11 Cable.  
Adjustable ratchet adjust.  
225mm long. Double lever.

Code  
HTH116M



## MICRO CONNECTOR CRIMPER 1.25-2.5mm

### CURL-CRIMP NON-INSULATED AWG32 TO AWG20

Suits Non-Insulated terminals Curl Crimp 1.25mm  
to 2.5mm pitch connectors & pins. AWG32 to  
AWG20 Cable. Comfortable soft handle oil-  
resistant elastomer (TPR) Coiled spring  
jaws with locking latch. Length  
175mm Made in Japan

Code  
PA09



## MICRO CONNECTOR CRIMPER 2.5 - 5.0mm

### CURL-CRIMP NON-INSULATED AWG28 TO AWG18

Suits Non-Insulated terminals Curl  
Crimp 2.5 to 5mm pitch connectors  
& pins. AWG28 to AWG18 Cable.  
Comfortable soft handle oil-  
resistant elastomer (TPR) Coiled  
spring jaws with locking latch.  
S55C material. 135g compact  
body for fatigue-free work.

Code  
PA-20



## MULTI-PURPOSE CRIMPING TOOL

This combined multi-purpose tool will crimp  
non-solder type insulated terminals.  
Ideal for every tool box.  
Screw cutter, stripper, crimper all-in-one.

Code  
OT400

### TERMINAL KIT

300 Pieces of Plug  
Terminals (No tool)

Code  
TMK300



## MULTI-PURPOSE CRIMPING TOOL

### PROFESSIONAL VERSION

This combined multi-purpose tool will crimp  
non-solder type insulated QD terminals.  
Heavy-duty, non-twist hand tool.  
Screw cutter, stripper, crimper all-in-one.

Code  
HTS502



## MULTI-PURPOSE CRIMPING TOOL

### HEAVY-DUTY RATCHET TYPE

Applies the correct pressure  
for the perfect result

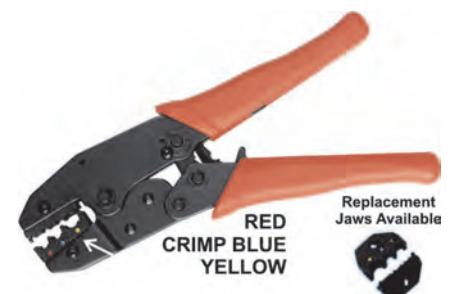
Code  
HT301

### RATCHET EMPTY

Code  
HT236H

### REPLACEMENT JAW

Code  
JAW236H



## INTERLOCKING SOLDERLESS CRIMP

### QUICK DISCONNECT TYPE

Non-insulated terminals  
This tool Curl-Crimps for  
use with Split-Crimp ends  
AWG20-18, AWG16-14,  
AWG12-10

Code  
HT236C

### REPLACEMENT JAW

Code  
JAW236C



## INTERLOCKING SOLDERLESS CRIMP

### QUICK DISCONNECT TYPE

Suitable for Non-insulated terminals.  
AWG 20-18, 16-14, 12-10, 8.  
DIN 1.2, 2.5, 6, 10 mm<sup>2</sup>  
JIS 1.25, 2.0, 5.5, 8 mm<sup>2</sup>

Code  
HT236N







# Tools and Test Equipment

## COMPRESSION CRIMP KIT

### RG6 PLUG TOOL CASE

This kit includes three tools for custom building cables for cable TV, satellite, communication equipment. Heavy duty tools for reliable service. Round cable cutter for coax cable. Universal stripping tool for cutting, and trimming to correct portions. Adjustable for assorted coax cables. Compression plug crimping tool. Kit includes 6 RG6 "F" crimp plugs. Suits RG7, RG11, RG59, RG6 & QUAD

Code  
HT6923



## COMPRESSION CRIMP TOOL "F"

### 20.3mm SUIT "F" ONLY

"F" Types ONLY.  
eg. F333 & F334 plugs. See  
Cables & Connectors Section.  
RG59 & RG6 Cables  
Suit Dual, Triple or Quad  
shielded coax. Compress  
distance 20.3mm +/-0.15mm  
All metal tool Easy action.

Code  
HTH518A



F333/F334 Sold Separate.

## COMPRESSION CRIMP TOOL

### UNIVERSAL F/BNC/RCA

Quick adaptor change for different plugs.  
See Cables & Connectors Section.  
RG59 & RG6 Cables Suit Dual, Triple or  
Quad shielded coax. Compress distance  
is Trim adjustable (locks) All metal hand  
tool Easy action.

Code  
HT509



## COMPRESSION CRIMP TOOL

### PROFESSIONAL UNIVERSAL

Fully adjustable with  
adaptors for crimping  
any of the plugs in our  
range (Section Cable &  
Connectors). Adjustable  
crimp length. Professional  
quality. Tension adjustable.  
Suit Dual, Triple or Quad  
shielded coax.

Code  
HTH510B



F331/F333/F334/F337 Sold Separate.

## CONICAL COMPRESSION TOOL

### WATERPROOF CONICAL 'F' COMPRESSION

Heavy duty construction and is designed to apply the correct amount of pressure so as to obtain a perfect result. Waterproof connection. Maintains originality of coax cable. Professional finished appearance.

Code  
HT507



Only suitable for the conical  
'F' connectors (F507).

### RG6 QUAD "F"

Type	Code
Bulk	F507

BEFORE

AFTER



F507 Sold Separate.

## COMPRESSION TOOL KIT FOXTEL

### FOXTEL PAY TV APPROVED

This premium installation  
kit contains many tools  
designed for easy  
installation. Components  
will suit Foxtel® PC1  
connectors including F507

Code  
TKIT4



## F CONNECTOR INSTALLATION TOOL

### CABLE ASSIST

One end to enlarge space  
between shield and  
insulation for RG59, the  
other RG6. Another end to  
lock "F" connector allows  
hold so as to assemble

Code  
HT224D







## TELEPHONE CRIMPING TOOL

Professional crimping tool.  
All metal construction with stripping blades & spring load lever action.

**4 PIN SMALL 7.5mm**

Code  
OT245

CRIMP PLUGS - SECTION  
CABLE & CONNECTORS



## MODULAR CRIMPING TOOL

Professional crimping tool.  
All metal construction with stripping blades & spring load lever action.

**6 & 4 PIN STANDARD**

Code  
OT250

**8 PIN RJ45**

Code  
OT256

CRIMP PLUGS - SECTION  
CABLE & CONNECTORS



## MODULAR CRIMPING TOOL

**DUAL CHAMBER 6P/8P**

Professional crimping  
Single lever action All metal construction with stripping blades & spring load lever action. RJ45 RJ11 RJ12 6P/8P

Code  
OT258

CRIMP PLUGS - SECTION  
CABLE & CONNECTORS



## MODULAR CRIMPING TOOL ALL-IN-ONE

**PROFESSIONAL DESIGN**

Low fatigue hand grip  
Wire stripper & cutter  
Premium quality tool

Suit  
RJ45 RJ11 RJ12,  
4, 6, 8 pin.

Code  
HT345RA

CRIMP PLUGS - SECTION  
CABLE & CONNECTORS



## MODULAR CRIMPING TOOL ALL-IN-ONE

**HEAVY-DUTY DESIGN**

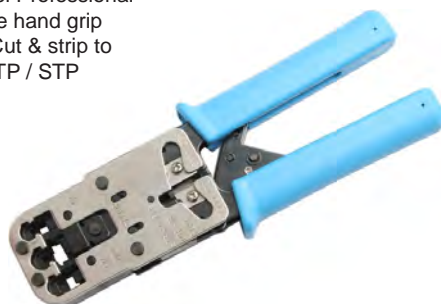
All metal RATCHET tool Professional lever action Low fatigue hand grip  
Single action stripper Cut & strip to length 6mm / 12mm UTP / STP  
Premium quality tool.

**4P/6P/8P/10P**

Code  
DL3460R

**4P/6P/8P**

Code  
DL-3468R



## Wire Strippers

### WIRE STRIPPER DELUXE

**SELF-ADJUSTING**

Heavy duty Crescent brand.  
Used for stripping wire & Crimping Insulated and non-insulated terminals. Cuts & strips in 1 action. Wire 24-10AWG (0.5-6mmØ)

Code  
CWS1



### WIRE STRIPPER

**SINGLE ACTION AUTO**

Several Gauge slots. Insert cable into correct slot and squeeze the handle.

**24-12AWG [0.5-2.0mm]**

Code  
KUS4A

**20-10AWG [1.0-3.2mm]**

Code  
KUS4



### WIRE STRIPPER & CUTTER

**SINGLE ACTION AUTO**

Suit cable 0.5-6.0mm Grips and strips in one hand grip press Adjustable pressure. Adjustable cable stop Suit bell wire, CAT5 Telephone, etc..

Code  
GTA002



### UNIVERSAL CABLE STRIPPER

Patented device for stripping the covers off today's modern cable styles, eg. STP/UTP 4P/6P/8P Speaker, Coax, etc.

Code  
HTS501A



### COAXIAL CABLE STRIPPER HT377

Suits most crimp plugs  
Adjustable blade depth

Suits RG6 (5C2V)  
RG58 (3C2V)  
RG59 (4C2V)

Code  
HT377



### COAXIAL CABLE STRIPPER HT332

Suits most crimp plugs  
Adjustable blade depth

Suit RG6 (5C2V), RG58 (3C2V),  
RG59 (4C2V), RG174

Code  
HT332



### COAXIAL CABLE STRIPPER HT322

Thumb ring action with blade depth trim and positioning.

Suits Code  
RG-58, 59, 6 HT-322  
RG-8, 11, 213 HT-322S







# Tools and Test Equipment

## □ IDC Punch-Down

### IDC TOOL

Disposable type tool for IDC cable insertion. Quick n' easy saves time!

Code  
HT-IDC1



### PUNCH TOOL & WIRE STRIPPER

Krone® type punch-down wire insertion tool with wire stripper handle.

Code  
HT-IDC4



### IDC PUNCH DOWN TOOL - PROFESSIONAL

Crimps and clips in one action. Compatible with the standard "Krone®" type. Quality constructed.

Code  
HT-IDC2



### IMPACT PUNCH DOWN TOOL

Spring-loaded punch down tool for seating wire terminal blocks. Simply push down and the spring-loaded mechanism kicks down for a secure connection. Wire puller and trimmer.

Type	Code
Krone®	HT-364BKR
110/88	HT-364BR



### IDC IMPACT PUNCH DOWN TOOL 110/88

#### FOR 110/88 TYPE TERMINAL BLOCK

Heavy-duty impact tool with adjustable spring loaded tension for seating wire into 110/88 type terminal blocks as used in CAT5/6 installations. 180mm

Code  
HT-314B



## □ Knives

### RETRACTABLE KNIFE MINI BOX CUTTER

#### PLASTIC BODY 140mm

Lockable pocket size With Snap Off Blades

Code  
HT310



### RETRACTABLE KNIFE BOX CUTTER

Zinc alloy Metal body. Retractable blade locks Blade storage in handle Hand comfort 140mm long

Code  
HT8003



### 10 PACK OF BLADES

Code  
HT8066



### GYPROCK SAW

Made in Japan with 2 blades. Each blade has two faces of differing gauge teeth for Metal or Wood. Retractable. Tipped sharp for piercing. Blade one is cut Away (Push) Other blade is Cut Toward (Pull)

Code  
HT300



### REPLACEMENT BLADES

Type	Code
PULL	BLD301
PUSH	BLD302



## □ Saws

### CONDUIT SAW 12"

#### PVC, WOOD & METAL

Suitable for cutting most materials including wood, metals, plastic, laminates and plaster. The handle is easy to hold and adjusts to 9 positions for sawing in confined spaces. The blade is hardened and tempered for long life and is coated in polyester, reducing friction for faster sawing action.

Code  
CSC12



### HACKSAW CLOSE-QUARTER

#### 12" BLADE HANDLE

Metal handle holds a 300mm hacksaw blade for close-quarter work

Code  
HT7963



#### 300mm REPLACEMENT BLADE

24tpi Suit metals, alloys, plastics.

Code  
FH1224

### HACKSAW DELUXE FULL SIZE

#### 12" BLADE SOFT-GRIP

Metal handle locks blade 90° or 45° cutting angle

Code  
HT2103



#### 300mm REPLACEMENT BLADE

24tpi Bi-HSSE-Cobalt Germany\* Suit metals, alloys, plastics.

Code  
FH1224



**RUBBER-GRIP  
LOW-FATIGUE**

\*Supply may vary. Same specifications.

### HACKSAW MINI SIZE

#### 6" BLADE SOFT-GRIP

Professional hand tool Metal handle locks blade 360° at any cutting angle

Code  
H2107



#### 150mm BLADES X10

32tpi High-Carbon Steel for Soft metals, alloys, plastics

Code  
FT0632

\*Supply may vary. Same specifications.

### CONDUIT CUTTER

#### PVC PIPE CUTTER 42mmØ

Double action lever action. Heat treated cutting blade. Cuts cleanly No burring reg. Heavy duty design & made. Cuts plastic hose or pipe up to maximum 42mm

Code  
CCC42







## Cutters

### MICRO NIPPERS 90mm TAIWAN

#### STAINLESS STEEL 8mm BLADE

Extra compact micro-nippers with quality stainless steel blade. Soft handle grip. Spring return. Made in Taiwan. Blister hanger packaged.

General purpose cutting  
Can cut plastic <3.0mmØ  
Cut soft copper <1.2mmØ  
Please don't cut hardened metals

Code  
HT1972



### 115mm FLUSH CUTTING PLIER

#### SK-5 STEEL MATERIAL

SK-5 steel. 50 HRC.  
Excellent edge sharpness.  
Light weight only 50g  
Compact and easy to handle.  
Comfortable grip reduces the fatigue.

Code  
MN-1702



### 115mm FLUSH CUTTING PLIER

#### SK-5 STEEL MATERIAL

50HRC blade hardness.  
Ø0.6mm soft wire &  
Ø1.0mm copper wire cutting  
capability. Excellent edge  
sharpness and Comfortable PVC  
grip reduces the operator's fatigue  
and increases productivity. Compact  
and easy to handle. Light weight only 50g.  
High frequency wave heat treatment for  
blades, No acidification treatment.

Code  
MN-170



### 125mm DIAGONAL CUTTING PLIER

#### CRV MATERIAL

Ø1.8mm soft wire  
and Ø2.6mm copper  
wire cutting capacity.  
Cutting blades are high  
frequency induction heated,  
which ensures good cutting  
ability and longer life. Double  
Cutting Edges Design prevents  
overlapping in cutting.

Code  
XK-125J



### 150mm DIAGONAL CUTTING PLIER

#### HEAVY DUTY

Ø2.0mm  
soft wire and  
Ø3.2mm copper wire  
cutting capacity. Cutting  
blades are high frequency  
induction heated. Double  
Cutting Edges Design prevents  
overlapping in cutting.

Code  
SK-150



### CUTTING NIPPERS 125mm

#### MICRO NIPPER CHINA

Excellent General purpose  
electronics and hobbyist  
cutting nippers. Economy.  
With insulated handles  
and spring return.

Size Code  
125mm HT206



### CUTTING NIPPERS 125mm TAIWAN

#### MICRO NIPPER TAIWAN

Excellent General purpose  
electronics and hobbyist  
cutting nippers. Taiwan.  
With insulated handles  
and spring return.

Size Code  
125mm HT109



### FLUSH CUTTERS 125mm

#### MICRO-SHEAR 170

Superior high quality cutters  
with flush scissor action for  
low fatigue and a close flush  
cut. Spring return. Brand  
supplied may change. Scope,  
Edsyn, Plato, etc.

Size Code  
125mm HT170



### FLUSH CUTTER 150mm SCOPE

#### HEAVY DUTY 2178

Extra-Hardened Machined  
Tempered Steel Cutters Long  
life blades for larger cable work.  
Spring return lever Large cushion  
grip Premium grade tool Long life.  
Sure action.  
Wire 1.5mmØ

Size Code  
150mm HT178



### CUTTER AND PLIER KIT

Premium Grade Xcelite® (USA)  
from Cooper Tools.  
Superior high quality  
hand tools reduce  
fatigue with sharp  
strong action and  
comfortable grip.  
Save by purchasing  
both together!

170M Shear Cutter 125mm  
Tweezer nose Plier 150mm

Code  
HT1300







# Tools and Test Equipment

## Cutters

### MICRO NIPPERS 115mm JAPAN

Extra small cutters  
Premium grade S58C  
Optimum designed for  
electronic applications.  
With insulated handles  
and spring return.  
Copper 1.0mmØ  
Strand 1.6mmØ

#### MICRO NIPPER JAPAN

Size Code  
115mm NS04

ENGINEER®  
MADE IN JAPAN

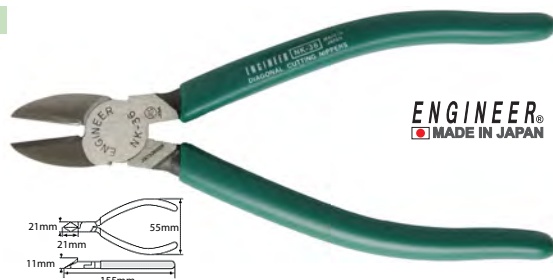


### CUTTING NIPPER 150mm

#### HEAVY DUTY - JAPAN

Diagonal Nippers are a high quality heavy duty cutting tool capable of cutting both steel wire 2mm in diameter and copper wire 3.2mm in diameter. Made in Japan from S58C Steel. 50mm long.

Code  
NK-36



### CUTTING NIPPERS 125mm JAPAN

#### NIPPER JAPAN

Premium grade tools  
Optimum designed for  
electronic applications.  
With insulated handles  
and spring return.

Size Code  
125mm NS03

ENGINEER®  
MADE IN JAPAN



### CUTTING NIPPER 160mm

#### SLANT EDGE - JAPAN

Slant edge cutting Nippers are a high quality heavy duty cutting tool capable of cutting steel wire Ø1.4mm, copper wire Ø2.6mm and Ø2mm of stranded. Made in Japan from S58C Steel. 159mm long.

Code  
NN-56



WITH Ø1.2 & Ø1.6mm  
STRIPPING HOLES

Code  
NN-46



### PRECISION SIDE CUTTER ENGINEER

#### 0.6mm CUTTING CAPACITY

Allows operation in places where components density is very high. Especially suitable for flat ICs with pins in 0.5 mm pitch. Characterised by elongated thin blades, specially shaped arms and less weight. Handles are fitted with dual mold sleeves with soft antislip top layer. Blackened surfaces. Fitted with return spring.

Code  
NZ12

ENGINEER®  
MADE IN JAPAN



### COMBINATION SCISSORS 170mm JAPAN

#### 2-IN-1 CUTTING BLADE

Serious scissors. Stainless Steel material (SUS6A) with a HRC of 54±2. Ability to cut through copper braided wires, Copper wires (Ø1.5mm) Kevlar, Cabtyre cord, Cotton insulated cord, Aluminium sheet(0.5mm) & plastic sheet (1.0mm).

Code  
PH50

ENGINEER®  
MADE IN JAPAN



### PRECISION SIDE CUTTER REVERSE ENGINEER

#### REVERSE BLADE

Allows operation in places where components density is very high. Especially suitable for flat ICs with pins in 0.5 mm pitch. Characterised by elongated thin blades, specially shaped arms and less weight. Handles are fitted with bi-component plastic sleeves with soft antislip top layer. Blackened surfaces. Fitted with return spring.

Code  
NZ13

ENGINEER®  
MADE IN JAPAN



### NUT REMOVER PLIERS

#### REMOVE DAMAGED SCREWS!

This unique plier will grip with its elaborate vertical & horizontal serrated jaw and remove Engineer Japan

Length Code  
150mm PZ55  
175mm PZ56

ENGINEER®  
MADE IN JAPAN



NEW!





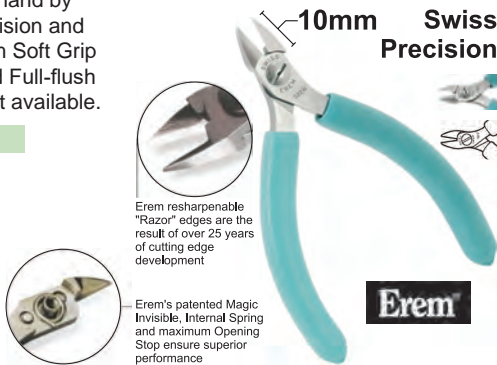
## Cutters

### MICRO NIPPERS 115mm SWISS

#### Professional Cutters

Made in Switzerland by Erem® for Precision and long life. 115mm Soft Grip Small oval head Full-flush action. The Best available.

Size	Code
115mm	HT522N



### FLUSH CUTTER 150mm XURON

#### MAXI-SHEAR HEAVY-DUTY 2175

Tough shear action cutter for general electronic applications like cutting Harnesses & cables, etc. Xuro-rubber grip handles. Low fatigue design for longer working use. Cut 14AWG copper Length 150mm Blade 12mm

Size	Code
150mm	HT2175

**XURON** CORP.



### SAFETY CUTTERS 125mm XURON

#### MICRO-SHEAR 170-II

Premium grade tool cutter with flush scissor action for low fatigue and a close flush cut. Spring return. Safety wire catch. Made in USA

#### WITH CATCHER

Size	Code
125mm	HT1175

**XURON** CORP.



### WIRE CUTTERS 150mm JAPAN

#### CUTTING NIPPER JAPAN

Extra strong cutters Premium grade S55C Extra hardness HRC 58±4 Cuts steel wire to 2mmØ Sharp and durable cutting for precision wiring work

Size	Code
150mm	NK16

**ENGINEER**®  
MADE IN JAPAN



### SAFETY CUTTERS 125mm XURON

#### MICRO-SHEAR 9200

Durable Alloy Steel Super heavy duty Micro-Shear cutters with lead retainer. Low fatigue cutting with ultra-durability. Soft non-slip grip. Cut 14AWG copper Length 125mm Blade 9mm

Size	Code
125mm	HT9200

**XURON** CORP.



### HEAVY DUTY DIAGONAL CUTTERS 200mm

#### CRESCENT USA 10"

Large cutters for heavy cutting of cable, etc. High leverage design. Long 20mm jaws. Hardened/Toughened. Made in the USA by Crescent/Cooper-Tools. Insulated handles.

Size	Code
200mm	HT5428



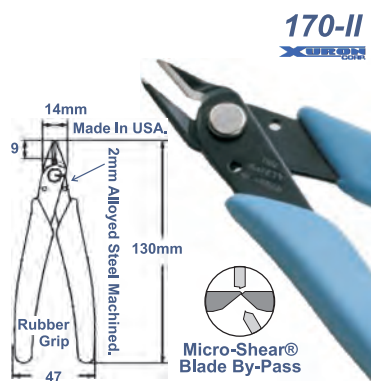
### MICRO-NIPPERS 125mm XURON

#### USA MADE 170-II

Micro-Shear® US Pat 3774301 "Blade by-pass Shear cutting". Xuro-rubber grip. Drop forged and computer cut. Cut 20AWG copper Length 130mm Blade 9mm

Size	Code
125mm	HT1702

**XURON** CORP.



### HEAVY DUTY CABLE CUTTERS 240mm

#### T&E 10"

Large cutters for heavy cutting of cable, etc. High leverage design. Hooked 30mm jaws. Hardened/Toughened. Insulated handles.

Size	Code
240mm	HT338







# Tools and Test Equipment

## □ Pliers

### MICRO-PLIERS STAINLESS STEEL

#### MADE IN TAIWAN

Precision pliers made from stainless steel.  
Spring return. Rubber grip handles. 100mm.

Type	Code
Flat Nose	HT1971
Round Nose	HT1973
Micro Nose	HT1974
Micro Bent	HT1975

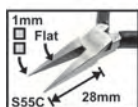


### 115mm TWEEZER NOSE PLIER - JAPAN

Flat 1mm Tip with spring return. Premium tool designed for electronic applications Insulated handle. No serration (flat).

Size	Code
115mm	PS04

**ENGINEER®**  
MADE IN JAPAN



### 125mm LONG NOSE PLIERS

Hobby & electronic use.  
Hardened steel polished.  
Serrated multi-grip teeth tip and nut grab pliers.  
Double mold rugged handles with non-slip soft grips. Wire cutting blades. Excellent value.

Size	Code
125mm	HT202



### 125mm LONG NOSE PLIER

#### S55C MATERIAL

Superior quality high-carbon steel (S55C) material with Ø1.0mm hard wire and Ø1.8mm soft wire cutting capacity. High frequency wave heat treatment. PVC grip for maximum comfort.

Size	Code
125mm	ZJ-125

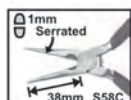


### 125mm NEEDLE NOSE PLIERS - JAPAN

Premium tool designed for electronic applications Insulated handle Non-slip grip Serrated teeth Cutting nipper

Size	Code
125mm	HT305

**ENGINEER®**  
MADE IN JAPAN



### 150mm LONG NOSE PLIER

#### HIGH CARBON STEEL

Superior quality high-carbon steel (S55C) material with Ø1.2mm hard wire and Ø2.0mm soft wire cutting capacity. High frequency wave heat treatment. PVC grip for maximum comfort.

Size	Code
150mm	ZJ-316

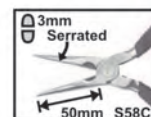


### 150mm LONG NOSE PLIERS - JAPAN

**ENGINEER®**  
MADE IN JAPAN

Premium tool designed for electronic applications Insulated handle Non-slip grip. Serrated teeth Cutting nipper. Heavy duty

Size	Code
150mm	HT306



### 130mm TWEEZER NOSE PLIERS XURON

#### SMOOTH JAW TYPE

Precision, ergonomic, durable hand tool.  
Strong carbon steel extra thin profile.  
Length 129mm  
Nose 20mm

Size	Code
129mm	HT485

**XURON**  
CORP.



### 130mm TWEEZER NOSE PLIERS XURON SERRATED

#### SERRATED JAW TYPE

Precision, ergonomic, durable hand tool.  
Strong carbon steel extra thin profile.  
Length 129mm  
Nose 20mm

Size	Code
129mm	HT486



**XURON**  
CORP.



### 115mm MINI-PLIERS GENERAL PURPOSE

#### MINI BULL NOSE PLIERS

Hobby & electronic use.  
Hardened steel polished  
Serrated multi-grip teeth tip and nut grab pliers.  
Double molded handles.  
Non-slip soft grips.  
Wire cutting blades.  
Spring return.

Size	Code
117mm	HT213



**SUPER GRIP HANDLE**





## Spanners & Hammers

### 160mm PLIERS GENERAL PURPOSE

#### DOUBLE MOLD HEAVY DUTY

Hobby "Bull Nose" Pliers  
Hardened steel polished  
Serrated multi-grip teeth tip  
and nut grab pliers. Double  
molded handles. Non-slip  
soft grips. Wire cutting  
blades. Excellent value



Size Code  
160mm HT215

### 205mm PLIERS GENERAL PURPOSE

#### 8" GRIP/CUT INSULATED

Large "Bull Nose" Pliers  
Drop-forged vanadium steel  
Serrated multi-grip teeth tip  
and nut grab pliers. Double  
molded handles. 1000V  
Insulated. Non-slip soft  
grips. Wire cutting blades.  
Excellent value.



Size Code  
205mm HVEP205B

### ADJUSTABLE WRENCH 6"

#### 20MM SPANNER

High-Carbon Steel Precision tool.  
Doped soft grip. Adjustable to 20mm.  
150mm long compact.



Code  
STP710

### ADJUSTABLE WRENCH 8"

#### STANDARD SIZED 30mm

The jaw is adjustable 30mm  
Drop forged chromium steel  
Rust resistant chrome finish  
Thumb screw for adjustment  
Total length is 205mm (8")  
Comfort "Grip-Well" handle

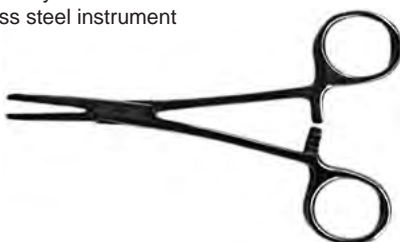


Code  
HT17187

### SCISSOR CLAMP HEMOSTAT

#### MEDICAL GRADE INSTRUMENT

Clamps closed to hold firmly Locks in to  
closed position Stainless steel instrument  
100mm long hand tool



#### SMOOTH JAWS

Code  
HT32H

### NIBBLING TOOL

#### PUNCH CUTTER

Cuts up to 18AWG ~1.2mm  
soft steel and aluminium, etc.  
Drill a 9.5mm hole Insert head  
and squeeze handles  
5mm Square punch.

Code  
HT204



### RATCHET GUN

#### CAULKING GUN

Standard friction type Dripless. All metal. 5:1 thrust ratio.  
Smooth ratchet Suit standard ~8" Caulking cartridges

Code  
HT816



### CLAW HAMMER

#### 14" 20oz

Extra-strengthened.  
Carbon steel head  
drop-forged with  
Poly-fibre mast.  
Rubber grip handle  
345mm total length  
560g (½Kg) weight  
Extra long life

Code  
PAO5000



### CLAW HAMMER STUBBY

#### 6" 10oz

Short handle hammer Solves  
awkward nails Magnetic head  
holds nail initially too! Extra-  
strengthened Carbon steel head  
drop-forged with Rubber grip  
handle 155mm total length 280g  
(¼Kg) weight

Code  
PAO5308



### POP-RIVET GUN

#### 4 RIVET NOZZLES

Kit comprises hand tool  
260mm suit 4 sizes  
and bonus 60 piece kit  
of various sized rivets

Code  
PA26448

#### POP-RIVETS

3.0x9.5mm Rivets  
Receive 100 pieces

Code  
SCPR1







# Tools and Test Equipment

## Gloves

### GLOVES GENERAL PURPOSE COTTON

#### 100% COTTON SOFT

Stretch comfortable. Protect hands and equipment from finger prints, etc. Re-usable, cleanable. One size fits all! Supplied in pairs.

Code  
GLV2



### LEATHER & CLOTH GLOVES

#### LARGE UNIVERSAL SIZE

Large safety gloves made with leather and cloth Grey and yellow in colour Large universal size. Supplied in pairs.

Code  
GLV-GR25



### RIGGER GLOVES COW GRAIN

Leather safety gloves Comfort & protection Front and back glove Grey in colour Large universal size. Supplied in pairs.

Code  
GLV-GR01



### GLOVES ESD REUSABLE NYLON

#### STATIC DISSIPATIVE COATED

Elastic wrist cuffs Palm and finger coated with antistatic urethane for a non-slip grip.

Size	Code
Small	GLV2ESDS
Medium	GLV2ESDM
Large	GLV2ESDL



### GLOVES ESD DISPOSABLE

#### 100% NITRILE "SAFE"

Powder free Nitrile examination gloves. Special formula without allergens, silicone, etc. (1V). BSEN455:2000 ISO9002.EN46002. Hypersensitive feel. 50 pairs supplied in a dispenser box.

Size	QTY	Code
Small	100x	GLV100S
Medium	100x	GLV100M
Large	100x	GLV100L



## Safety Equipment

### SAFETY GLASSES EW-2 SERIES

#### MEDIUM IMPACT POLYCARBONATE 99.9% UV PROTECTION

Anti-Scratch coating on both sides. Ultra Lightweight, wrap around & close fit design with Moulded nose bridge for all day comfort. Made & Certified to AS/NZS 1337.1:2010 Lic 557823 Benchmark.

Code  
EW-2511



### SAFETY GLASSES EW-6 SERIES

#### MEDIUM IMPACT EYE PROTECTION & 99.9% UV PROTECTION

Super Lightweight & Contemporary design for the most comfortable fit. Polycarbonate Lenses with Anti-scratch coating on both sides. Exclusive ventilated half frame design with crystal frame/temple. Soft Co-injected TPR (Thermal Plastic Rubber) Non-Slip arm tip. Extremely soft non-slip PVC nose piece. Made & certified to AS/NZS 1337.1:2010 Lic 25539 SAI Global.

Colour	Code
Clear Frame & Clear Lenses	EW-6511
Smoke Frame & Tinted Lenses	EW-6512
Light Brown Frame & Silver Reflective Lenses	EW-6521
Dark Frame & Silver Tinted Lenses	EW-6522



EW-6511



EW-6521



EW-6512



EW-6522

### SAFETY GLASSES EW-4 SERIES

#### MEDIUM IMPACT EYE PROTECTION & 99.9% UV PROTECTION

Polycarbonate Lenses with Anti-Scratch coating on both sides. Nylon frame/temple/arm tips half frame with adjustable length temple arms. Soft silicone nose piece for all day comfort.

Made & Certified to AS/NZS 1337.1:2010 Lic 557823 benchmark

Colour	Code
Black Frame & Clear Lenses	EW-4511
Smoke Frame & Lenses	EW-4512
Black Frame & Silver Reflective Lenses	EW-4521
Black Frame & Silver/Smoke Reflective Lenses	EW-4522
Black Frame & Blue Reflective Lenses	EW-4523



EW-4511



EW-4521



EW-4512



EW-4522



EW-4523



EW-4522

### VISITOR GOGGLES CLEAR

Light weight. They are worn over prescription glasses or by themselves. Free of distortion. Medium impact anti-scratch Clear lens.

Code  
WWP3000







## □ Safety Equipment

### SAFETY GLASSES EW-31 SERIES

#### GOGGLES 99.9% UV PROTECTION

Anti-Scratch & Anti-Fog on both sides of Polycarbonate lens for use in humid environments. Stylish lightweight PVC frame with a multiple indirect air-flow ventilation system. Flexible extra soft inner structure designed to fit any face type preventing debris and dust. Adjustable wide elastic strap for all day extreme comfort. Made & Certified to AS/NZS 1337.1:2010 Lic 557823 Benchmark.

Code  
EW-31511



### PASSIVE EARMUFFS

#### REAR METAL BAND

Designed to fit comfortably while wearing a safety helmet, the band fits behind the neck. Quality made light-weight Weather resistant long-life Soft cushion full earpads. Bright yellow and black. AS/NZS 1270.2002 SLC80:17:CLASS 2

Code  
ABA101



### MULTIMEDIA EARMUFFS AM/FM

15-20dB Ear protection with inbuilt AM/FM Radio. Listen to your favorite AM/FM stations while you work. Sound Level Conversion (SLC80) Class 1 A/NZ Standard 1270:2002 Noise reduction ear protection. With built in AM/FM Stereo Radio and 3.5mm input connection for listening to iPods®, MP3, etc. Requires 2x "AA" Batteries.

Code  
ABA330S



### BLUETOOTH AM/FM EARMUFFS

#### BT + RADIO WITH LCD DISPLAY

Stereo AM/FM Radio. Built in Bluetooth module. Handsfree, listen to music after pairing to other Bluetooth devices. 3.5mm Auxiliary input jack for connection to other Audio devices. LCD display for clock and frequency display. Built-in microphone. Comfortable ear pads & adjustable headband. Optimised hearing with high amplification. Operated by 3 x "AAA" batteries. Optional rechargeable battery, sold separately, is rechargeable through a micro USB port.

Code  
ABA840



### EAR PLUGS

#### RE-USABLE CORDED

2 Pairs of reusable earplugs Washable & comfortable to use Orange with soft nylon cord. AS/NZS 1270.2002 SLC80:13:CLASS 1

Code  
ABA102



#### FOAM EARPLUGS

Super comfortable malleable foam 3x separate pairs in sealed bags

Code  
ABA106



### MULTIMEDIA EARMUFFS AM/FM/AUX

Block out external noise and listen to your favorite AM/FM radio station, or connect these Earmuffs to your multimedia device (such as an iPhone®, iPod®, etc) via the external 3.5mm aux audio input. Can act as hearing protection equipment: Reduces noise by 15-20dB.

Code  
ABA430



### BLUETOOTH AM/FM & PTL EARMUFFS

#### BLUETOOTH AM/FM & PTL EARMUFFS

Stereo AM/FM Radio. Built in Bluetooth module. Handsfree, listen to music after pairing to other Bluetooth devices. 3.5mm Auxiliary input jack for connection to other Audio devices. LCD display for clock and frequency display. Built-in microphone. Comfortable ear pads & adjustable headband. Optimised hearing with high amplification. Operated by 3 x "AAA" batteries. Optional rechargeable battery, sold separately, is rechargeable through a micro USB port. Push-To-Listen is a button that mutes music, etc. and instead amplifies the microphone so you can listen to someone without removing the earmuffs.

Code  
ABA940







# Tools and Test Equipment

## □ Cable Puller

### TELESCOPING PULLING POLE [CMS]

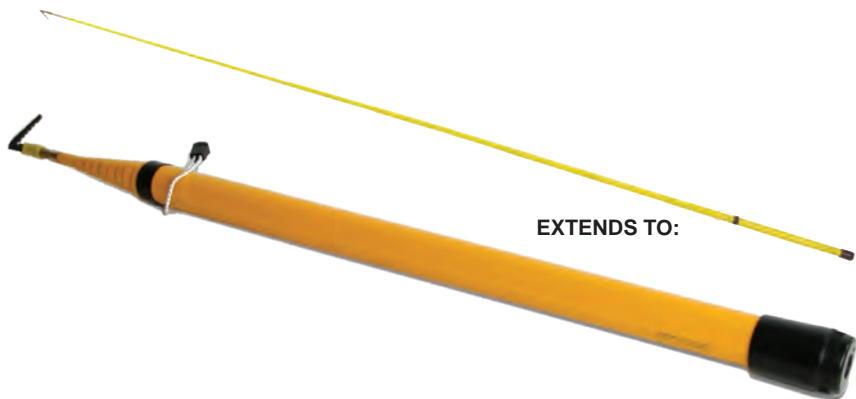
4.8 Metres fully extended but only 0.6 Metre long when collapsed - Includes 1x Hook - More attachments available\*

#### EXTENDS TO 4.8 METRES

For use in long spans and in hard to reach areas in ceilings, under floors and crawl spaces. Ideal for use when running cable across suspended ceilings. Extends from 0.6M out to 4.8M and is fitted with a unique flexible hook end which is suitable for gripping the outer cable sheath securely. Constructed from lightweight non-conductive fibreglass material. Overall weight is just 2Kgs!

Length 4.8 Metres

Code HT-4640



### 10M CABLE PULLER KIT

#### 10 x 1M FIBREGLASS RODS

Easily connected rods offer controlled flexibility of length required for each application.

Kit contains :- 10 (1000mm) rods(Φ5mm). 1 pulling eye(36mm). 1 standard hook (65mm). 1 flexible extension(190mm).

Length 10 Metres

Code PPK13



Note :- Accessories/Rods not available separately.  
This kit is not compatible with other push/pull kits.

### CABLE PULLER

#### 20M COIL TYPE

Professional quality Steel Coil/spring. Allows push & pull. Metal aglet ends. Suit electricians, Installers, etc. Ideal for pulling cables through walls ceilings & roof runs.

Length 20 Metres.

Code PTS20M



### FISH TAPE 30M

#### SINGLE FIBREGLASS

Large reel professional 2/3rd tube storage Non-conductive safety Single 5.6mm diameter Smooth movement cable High 250Kg capacity "Rattle-Snake" leader

Length 30 Metres

Code FTP30



### FISH TAPE REEL

#### 15M FIBREGLASS

Professional grade tool non-scrape Fibreglass cord 280Kg load, 330Kg break. Windup reel saves tangle Non-conductive safety 5.2mmØ Oblong shape easy control smooth coat "Rattle-Snake" leader metal spring aglet. Fluorescent coloured. for easy viewing OPT Taiwan

Case 300mmØ

Length 15 Metres

Code FTP15



### FISH TAPE 50M

#### TRIPLE FIBREGLASS

Large reel professional 2/3rd tube storage 660mmØ Non-conductive safety High visibility orange and black contrasted. Three composite cables forms one super strength 7mm diameter cord with High 500Kg capacity "Rattle-Snake" leader, metal aglets OPT Taiwan quality.

Length 50 Metres

Code FTP50







## □ Cable Puller

### PUSH-PULL RODS [CMS]

Run Cable in Ceilings and Walls Easily with this Fibreglass Rod System. Collapsible for easy portability. Premium quality professional.

- \* Fibreglass rods with thick polypropylene coating attach together by screw thread. Dismantle for easy storage & transportation.
- \* Ideal for running multi-purpose cable behind walls, up through crawl spaces and under floors Perfect for every hard to reach place.
- \* Non metal/non-conductive bright yellow polypropylene coated rods protect delicate wires and to protect user from lethal wires.
- \* Faster and easier than old fashioned electrical fish for running cable, now you can push or pull cable inside or outside of conduit.
- \* Easily connected rods offer controlled flexibility of length required for each application.
- \* Supplied WITHOUT TIPS (Sold Separately) or Purchase as a Kit with Bonus Carry Bag.

These 6mm diameter flexible rods are made of non conductive fibreglass with a polypropylene coating, and are flexible enough to go around corners and up and down walls through small openings, yet are strong enough to withstand virtually any test you may put them to. Each length is fitted with threaded attachments at each end. Connect as few or as many rods together as needed to attain whatever length necessary. CMS Push Pull Rods are sold as a set of 4 x 1.5mtr rods These rods replace the old fashioned electrical fish formerly used for running and retrieving cable. Push Pull Rods are equally useful to push or pull cable inside or outside conduit. Requires hooks listed below...

#### Set of 4 Push-Pull Rods

Code  
PPP6A

#### Push-Pull Rods and Selected Accessories Kit

Includes set of 4 x Push Pull Rods,  
1 x Grabit Hook, 1 x Standard hook  
1 x Magnet Locator (Rare Earth),  
1 x Pulling Eye, and 1 x Convenient Carry Bag.

Code  
PPK8



Set of 4 x 1.5mtr rods. Requires Tips. See below...  
or as a kit. See PPK8 Below...



**PPK8 KIT**  
**ROD + 4 TIPS & BAG**  
Parts Available Separately.

### PUSH-PULL RODS [CMS] ACCESSORIES

#### PPG6 Grabit Hook

The Grabit hook is self-directional with a floating head which seeks out the target wires and pulls them together for easy retrieval. The serrated hook face pursues, grabs and holds inaccessible loose wires.

Code  
PPG6

#### PPM6 Magnet Locator

Very powerful magnet locator, so strong it even picks up tools!

Code  
PPM6

#### PPE6 Pulling Eye

Code  
PPE6

#### PPH6 Standard Hook

Code  
PPH6

#### PPB6 Bullet Tip

Code  
PPB6

#### PPF6 Pulling Eye

with 75mm Flexible Extension

Code  
PPF6

#### PPA6 Hook Wire (All purpose)

The 'Hook Wire' seeks out the target wires and pulls them together for easy retrieval. The serrated hook face & curved nose pursues, grabs and holds inaccessible loose wires.

Code  
PPA6

#### PPU6 Universal Tip

This product is to be used when pulling cables (such as fibre) that you would like to spin or rotate in conduit or ceilings. Rotates 360° so wires can spin while being pulled.

Code  
PPU6

#### PPFM Magnet with 75mm Flexible Extension

Code  
PPFM

#### PPC6 Carry Bag

Strong yellow nylon.

Code  
PPC6

#### PPL LED Light Tip

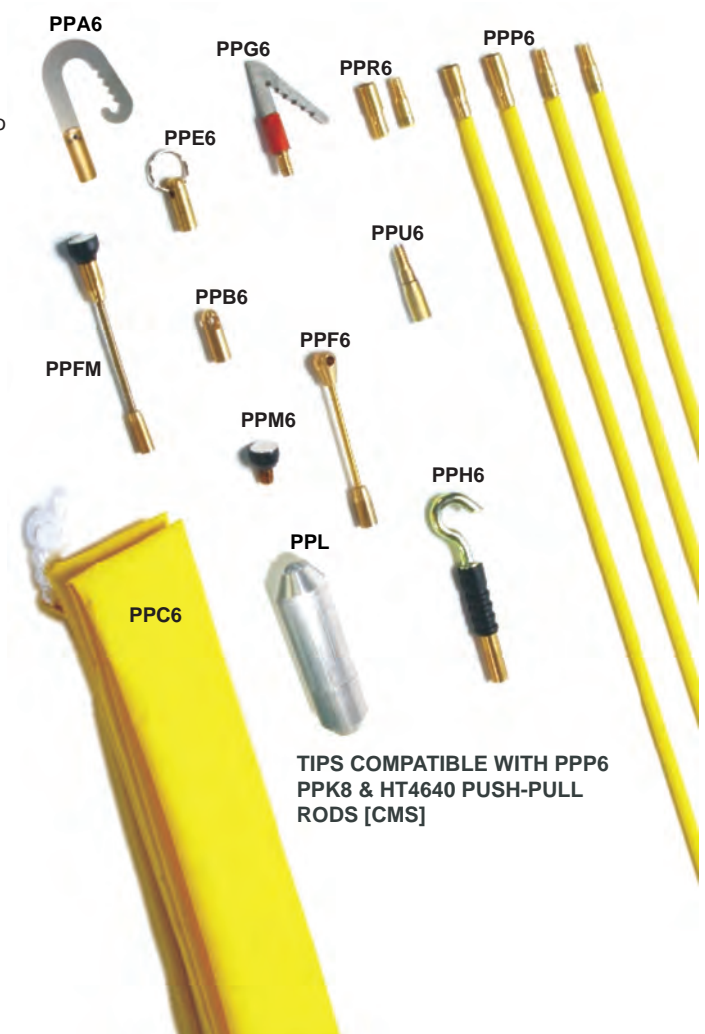
LED Light Tip is a torch that broadcasts a strong light to guide users to the correct position in dark areas. It eliminates the need for glow rods. Supplied with a small replaceable battery, the ½ inch diameter LED lights up when screwed to tip.

Code  
PPL

#### PPR6 Replacement Tip Kit

Spare parts for repairing broken end tips to the fibre-glass rods. Includes 1x male 1x female + glue

Code  
PPR6



**TIPS COMPATIBLE WITH PPP6  
PPK8 & HT4640 PUSH-PULL  
RODS [CMS]**





# Tools and Test Equipment

## Measurement

### TAPE MEASURES

#### LOCKING METAL TAPE

Drop resistant design Belt clip & Hand strap Dampened retraction Left/Right handed Hold buttons and a Locking button



Length	Code
3M	HT6940
5M	HT6941
8M	HT6942

### 12" STEEL RULER

#### 300mm STAINLESS

Premium stainless steel Markings in Imperial & Metric on the flip-side

Code  
HT6991



### MULTI-SQUARE & LEVEL

#### 8" ADJUSTABLE ANGLE

180mm stainless steel rule Rule is Metric & Imperial Adjustable protractor angle head with wing-nut locking and three spirit levels 0°/45°/90°

Code  
MO10



### COMBINATION SQUARE & LEVEL

#### 12" ALL METAL WITH 45°

300mm metal rule with slide Accurate 45° and 90° angles Spirit level built-in Suit metal & wood work Excellent mitre joints, etc. Adjustable slide with lock All metal quality made for long life and accuracy Professional tool Rule is Metric & Imperial.

Code  
MO12

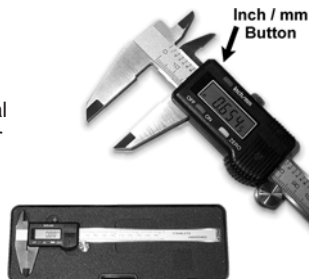


### ELECTRONIC CALIPERS

#### STAINLESS STEEL

Precision electronic Measurement instrument 0.01mm to 155.00mm LED Display shows metric or imperial Thumb guide adjust Tension adjuster Internal / External and Step-Depth. Plastic storage case.

Code  
CLP111



### LASER DISTANCE MEASURING TOOL

The laser distance measuring tool is used for measuring any distance from the unit. It has take continuous measurement, add and subtract any with new measurements. It can also be set to calculate area and volume. It can measure distance in 3 different units (metre, inch and foot). Simple to operate. Available in 50M and 100M models. 2x AAA batteries and carry case included

Distance	Code
Up to 50M	CT8130-50
Up to 100M	CT8130-100



### BULLS EYE SURFACE LEVEL

#### FLAT SPIRIT LEVEL

Temporary or permanent Shows level in 2x planes Base diameter is 45mm

Code  
HT6451



#### ORTOFON SPIRIT LEVEL

Deluxe Turntable Type Base diameter is 25mm As used on plinths, etc.

Code  
PCT230



### LEVEL MEASURING TOOL

Key ring leveller is a great solution for level problems. Very handy, Small size, Unbreakable material and Light weight. Multipurpose more useful due to small size. Size: 40x15x15mm

Code  
TL-KC01



### TRIPLE SPIRIT LEVEL 9"

#### "TORPEDO" MAGNETIC

Made of tough ABS plastic Aluminium long-life edges Bottom edge is magnetic Holds to Iron/Steel surfaces for hands free Pipe groove & top window Three spirit levels for Level, plumb and 45°

Code  
HT90216



### TRIPLE SPIRIT LEVEL 12"

#### I-BEAM ALUMINIUM

Made of tough Aluminium Unbreakable spirit levels Painted industrial yellow Bottom edge polished flat Three spirit levels for Level, plumb and 45° Quality build tool

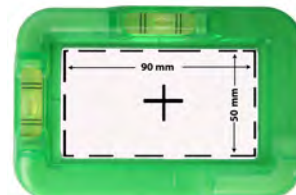
Code  
HT90210



### POWER POINT LEVEL

#### 50x90mm

Code  
PPM643



#### 55x80mm

Code  
PPM460







## Storage Boxes

### TACKLE BOX COMPONENT TRAY

#### 7 COMPARTMENTS

175x145x35mm  
Plastic tray storage  
bin for holding  
small items.

Code  
PSC1003



### TACKLE BOX COMPONENT TRAY

#### 17 COMPARTMENTS

275x180x40mm  
Plastic tray storage  
bin for holding  
small items.

Code  
PSC1005



### TACKLE BOX COMPONENT TRAY

#### 32 COMPARTMENTS

290x220x75mm  
Double sided.  
With removable walls.  
2 Lids. Carry handle.

Code  
PSC1006



### TOOL BOX

#### 19" WITH TRAY

480x230x210mm Plastic.  
lockable. Internal tray

Code  
TC1007



Tools Not Included.

### ATTACHE TOOL CASE

Tough aluminium case.  
Professional type like  
photographers, etc.  
Black with silver knock  
panels & edges.  
Removable dividers.  
Adjustable dividers.  
Suits meters, etc.  
Removable lid pouch  
that suits hand tools.  
458 x 350 x 140mm

Code  
AT458



## WATER RESISTANT RUGGED CASES

Keep all your valuable equipment safe from water, dust and knocks! Easy-cutting customisable foams inside. You can cut out the shape that suits your equipment and protects it from any unexpected drops or bumps. Pressure relief valve allows for gradual pressure equalization.

- Water resistant IPX7 sealed case
- Impact resistant & Crushproof
- Dust proof & corrosion resistance
- Temperature Rating -20° to 80°
- Powerclaw™ latching system
- Soft grip foldable handle
- Supports padlock for extra security
- 100% Stainless steel hardware
- High performance seal gasket
- Automatic pressure release valve
- Molded-in bezel system
- Integrated lid stay
- Stackable
- Meets airline carry-on regulations



PPC-08BK



Rubber Sealed IPX7



Pressure Release Valve

Size	Code
246x175x77mm	PPC-08BK
420x327x186mm	PPC-13BK
430x380x154mm	PPC-16BK
515x415x158mm	PPC-21BK
560x355x290mm	PPTC-26BK
625x420x340mm	PPTC-28BK



PPC-16BK

PPC-21BK



PPTC-26BK





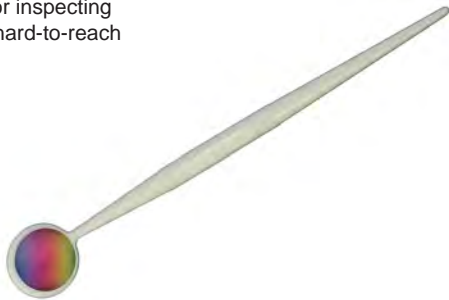
# Tools and Test Equipment

## □ Mirror

### DENTIST MIRROR

"Say Ahh!"  
Excellent assistant for inspecting components, etc. in hard-to-reach places. Plastic. 20mm mirror. 150mm handle. 135° angled.

Code  
HT922



### TELESCOPIC DENTIST MIRROR

#### METAL PROFESSIONAL

32mm Mirror. Extends 140mm to 535mm ! Chromium. Bendable neck. Glass mirror.

Code  
HT8567

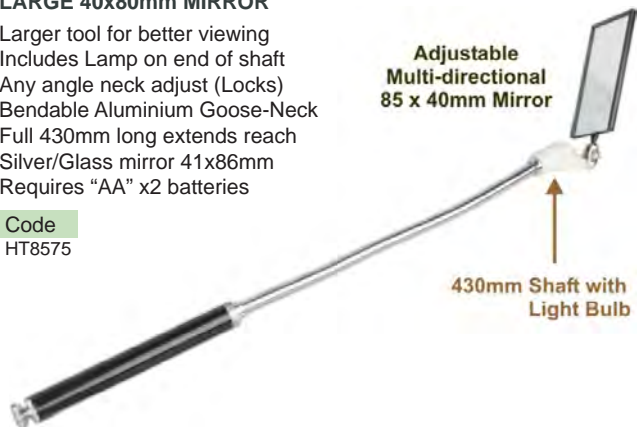


### INSPECTION MIRROR ILLUMINATED

#### LARGE 40x80mm MIRROR

Larger tool for better viewing  
Includes Lamp on end of shaft  
Any angle neck adjust (Locks)  
Bendable Aluminium Goose-Neck  
Full 430mm long extends reach  
Silver/Glass mirror 41x86mm  
Requires "AA" x2 batteries

Code  
HT8575



### GOOSE-NECK LAMP

#### MAGNETIC BASE

Third hand spy lamp High brightness LED Flexible 400mm neck Wrap-around to hold Strong Magnetic base attach to any metal Button cells included. Great assistant White LED

Code  
HT8898



## □ Magnifiers

### 50mm ILLUMINATED MAGNIFIER

Lens is NOT Acrylic but proper coated glass! Illuminated. Ideal for component identification, etc. Requires 2 x 'AA' batteries. Glass Lens 3.5X

Code  
IMG50

#### REPLACEMENT GLOBE

Code  
653-3SB



### 75mm ILLUMINATED MAGNIFIER

Large, easy grip handle. Easy to clean, scratch resistant glass lens. Suitable for reading and component ID, etc. Illuminated. 2 x 'AA' Req'

Code  
IMG75

#### REPLACEMENT GLOBE

Code  
653-3SB



### 110mm HANDS-FREE MAGNIFIER

Hangs around your neck so your hands are free to work. Ideal for intricate work, reading, etc. Quality Construction, large coated glass lens. Easy to clean, Scratch resistant. Clip-on illuminator included for optional assisted viewing. Requires 2 x AA' batteries.

Code  
IMG110



### HANDS-FREE HEADSET MAGNIFIER

Cushioned headband Reduce eye strain Worn with/without your eye-glasses. Light weight, comfortable. 2.0x Medium Magnification lenses included. Interchangeable lens. Flips up out of the way. Acrylic no-scratch lens. Made USA [www.mageyes.com](http://www.mageyes.com)

Code  
IMG384



### MAG-EYES LENS ONLY

Upgrade your magnification. Original USA made MagEyes. Optical quality acrylic. Suit IMG384 MagEyes above.

#### 2.25x MEDIUM STRONG MAG'

Code  
IMG255

#### 2.75 STRONGEST MAG'

Code  
IMG257

#### ADDITIONAL LENS ONLY







## □ Magnifiers

### HANDHELD MAGNIFIER

#### WITH LED LIGHT

Expanding handle for desk top free-standing folding adjustable

Length	200mm
Lens	90mm
Mag.	Main 2.75x Small 6.00x
Code	IMG8090



### BENDABLE MAGNIFIER

#### DESK STAND

Metal goose-neck adjustable with stable weighted stand Built-in LED lighting

Neck	150mm
Lens	110mm
Mag.	Main 2.0x Mini 4.0x
Code	IMG4110-DT



### BENDABLE MAGNIFIER

#### DESK CLAMP

Metal goose-neck adjustable with desk clamp 40mm max. Built-in LED lighting Neck 150mm Lens Diameter 110mm Mag Main .0x Mini 4.0x

Neck	150mm
Lens	110mm
Mag.	Main 2.0x Mini 4.0x
Code	IMG4110-CL



### HELPING HANDS 65MM

Hold tiny objects and magnify them for precision work. 6 Ball Joints for all angles. 65mm 2x Magnifying glass. Heavy cast-iron base. Alligator spring clips. Locks to any angle.

Code	HTA65
------	-------



### HELPING HANDS 90MM

Sturdy Heavy-Duty design Assists with holding objects and magnifies for precision work Fully adjustable angles Heavy cast-iron base with sponge or parts holder tray (60mm) 90mm 2x Magnifying glass 2x Alligator spring clips

Code	HTA90
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### MAGNIFYING LAMP DESK

#### 90MM COMPACT ILLUMINATED FLUORO OR LED

Compact desk-top lamp with magnification as used for meticulous detailed work 95mm magnifying lens with a 5 diopter scratch resistant lens surrounded by a round 12W fluoro tube or 32x Super bright LEDs for excellent illumination. Adjustable angle mast 400mm max Ball-In-Socket head joint. 240Vac. Weighted base.

#### LED ILLUMINATED

32x Super Bright LEDs

Code	IMG2012B-LED
------	--------------

#### FLUORESCENT TUBE

Desk Lamp with 12W Round Tube. Energy efficient electronic ballast.

Code	IMG2012B
------	----------

#### REPLACEMENT GLOBES

Code	LMP2012
------	---------

4 Pin 12W



115mm I/D  
138mm O/D



### MAGNIFYING LAMP PROFESSIONAL

#### 5 DIOPTER



Professional laboratory grade magnifier and lamp assembly. Work bench edge clamp base. Excellent construction and superior adjustability unit with 3 articulation joints. Heavy duty, hidden springs, easy to manoeuvre assistance. Glass lens surrounded by a 28W round fluorescent tube or 56x Super bright LEDs for illumination and vision. Includes clamp base. Optional stands stable for 300mm arm version only.

#### LED ILLUMINATED MAG LAMP

Desk clamp w/ 56x Super LEDs.

Arm	Code
300mm x2	IMG6016LED-12
400mm x2	IMG6016LED-16

#### FLUORESCENT TUBE MAG LAMP

Desk Lamp with 28W Round Tube.

300mm x2	IMG6016-12
400mm x2	IMG6016-16

#### REPLACEMENT GLOBES

Suit	Code
IMG6016	LMP6016

#### DESKTOP BASE ONLY

Weighted base for a non-scratch desk-top. Base only. Requires 6016 Series Lamp. Suitable for shorter 300mm arms only.

Code	IMG01
------	-------

#### TROLLEY STAND ONLY

Four caster-wheel trolley stand 600mm tall. Base only. Requires 6016 Series Lamp. Suitable for shorter 300mm arms only.

Code	IMG04
------	-------







# Tools and Test Equipment

## □ Lighting & Torches

### LED SPOTLIGHT KIT

#### MAGNETIC BASE OR DESK CLAMP

Goose Neck to Focus bright, clear light exactly where it's needed, anywhere it's needed!

With a powerful magnetic base, a clamping metal sub-base and a flexible Gooseneck, this 14 LED-bulb lamp anchors down on power tools, workbenches and more, then bends and flexes its way into perfect position while staying out of your way. Great for delicate cuts, precise drilling, under the bonnet, in the field or whenever you need to brighten up your view.

- **THREE INTERCHANGEABLE LAMPS:** Three lamp options are fully interchangeable with each other.
- **1/ LED LAMP:** Included in the kit is a 35mm diameter Spotlight Head with 14 LEDs for excellent work space illumination.
- **2/ FOCUS BEAM:** A super high brightness single LED bulb with adjustable lens for focusing the light beam to precision viewing.
- **3/ MAGNIFIER LAMP:** Magnifying lens 110mm coated glass surrounded with 18 LEDs. Five times (5x) magnification.
- **DESK CLAMP:** Bracket is great for adding light to operations on wooden tables, drill presses, and benchtops, magnet base clips to this bracket.
- **BATTERY OR MAINS:** Includes power pack for 240Vac mains operation. Includes 3x AAA batteries for portable solution, use of LEDs provide excellent battery life.

Code  
IMG6429



### MINING LAMP

#### HANDS FREE LIGHTING

Adjustable elastic strap for wearing of your head hands-free light pointing Adjustable angle & brightness

Type Code  
12 LEDs SNHD12



### HEAD TORCH 3W

This multi-function head torch with adjustable head band includes a 3 watt white LED and 2 high brightness red LEDs.

- Up to 80 Lumens output
- Requires 3 x AA batteries (not included)
- Dimensions: 60(L) x 45(W) x 35(D)mm

Code  
SNHD3



### LED CAP LIGHT

#### HAT RIM CLIP

Fits to front rim for hands free illumination. Suit hands-free working. Night safety bike-riding. Thin curved style for popular base-ball caps. 5 super-bright LEDs. 12,000mcd brightness. 2x CR2032 batteries. 80x50x10mm.

Code  
TORCHL79



### DROP LIGHTS

#### 12V FLUORO TUBE 13W

Bright fluoro lamp with hook for under bonnet, camp sites, etc. 12Vdc. Includes 3.0M cable to accessories plug. 370mm Long.

Code  
TT1104



### 10W RECHARGEABLE CREE LED HEAD LAMP

#### WITH 240V AC LI-ION BATTERY CHARGING

This high performance head lamp is suitable for working in darkness where you need both hands to be free. It features the incredibly bright and long life CREE XML-T6 LED, which is capable of producing up to 1000 Lumens of cool white light. The LED lamp can be tilted 100°. Marine aluminium construction with glass lens and rubber push-button IP66. Soft elastic straps are adjustable to fit different users, helmets, etc. The LED lamp has 3 different operation modes including full or half brightness, plus strobe. It has a long beam range up to 300M. Replaceable rechargeable Li-Ion batteries 18650 for 3200mAh 3.7V (each x2). Can last 2hrs (Full) 4hrs (half). The head lamp unit can be recharged in 4hrs with the 500mA 4.2V power pack included.

- Featuring the bright and long life CREE XML-T6 LED
- Producing up to 1000 Lumens of cool white light
- Can be tilted by 100°. IP66. Beam range up to 300M.
- Elastic straps are adjustable to fit different users, helmets, etc.
- 3 operation modes including full or half brightness, plus strobe.
- Super High Lumen Output with a beam range up to 300 Metres.
- Included 2x rechargeable Li-Ion batteries 18650 (3200mAh 3.7V).
- Can last about 2hrs (Full) 4hrs (half). The head lamp unit can be recharged in 4hrs with the 500mA 4.2V power pack (included)

Lumens	Colour	Beam length	Code
1000Lm	Cool White	200M-300M	LED471



### LED RECHARGEABLE

60X Super Bright LEDs. Charge from mains or Car 12V. 440mm

Code  
CAT660WL







## □ Blow Torches

### MICRO-JET POCKET FLAME

#### USES A COMMON LIGHTER

Piezo Electronic Ignition system with safety locking switch (MJ-300) or Child Resistant Ignition (MJ-320). Powered by IRODA refillable RC-30 or readily available disposable lighters. Flame temperature up to 1300°C(2400°F) Windproof flame and waterproof ignition make the MICRO-JET™ ideal for camping and outdoor use. Compact size allows the unit to fit easily into any first aid/survival kit or tool kit.

Code MJ-300



#### GAS CARTRIDGE

Looks like a common lighter but is actually a REFILLABLE cartridge Replacement (Included with MJ-330)

Code A7L2



### GAS FLAMELESS HEAT GUN

#### USES A COMMON LIGHTER

Designed to provide flameless heating, not a direct flame, for reducing heatshrink insulation without burning it. Once started, the tip generates instant heat regulated at the correct temp for reducing heatshrink tubing (650C). Powered by a refillable gas cartridge, and with trigger-actuated piezo starter, it makes heatshrinking a breeze! Includes a refillable gas cartridge suitable for 20 minutes operation.

Code MJ600

#### GAS CARTRIDGE

Looks like a common lighter but is actually a REFILLABLE cartridge Replacement (Included with MJ600)

Code A7L2



### 70W GAS SOLDERING IRON

#### IRON ONLY

The advanced IRODA Soldering Iron offers go-anywhere soldering convenience, with an equivalent heat capacity 70 Watts. It features an adjustable heat control (210-450C), cap mounted flint igniter, long life catalyst tip and a 20ml gas reservoir for up to 2 hours use.

Code PRO70



### 70W GAS SOLDERING IRON

#### IRON & KIT

The kit comprises the IRODA Gas Soldering Iron supplied in a handy carry case with a range of tips and accessories including safety stand, cleaning sponge, solder dispenser, blow torch, hot air blower and hot knife cutter.

Code PRO70KIT



### MINI-BLOW TORCH

#### KEY-RING SIZED

"Magna Lite Blow Torch"

Butane refillable  
Applications include  
Heatshrink tubing  
Fusing rope ends  
Unfreezing locks  
Piezo ignition Acute focusing  
Flame adjustable Weller branded

Code WML100



## □ Hot Glue Gun & Glues

### GLUE GUN KIT

#### HIGH POWER 60W

Professional portable Nicholson brand tool Mains powered gun Bonus plastic case and storage for the included glue sticks Trigger action gun 11mm glue sticks (x6)

Code NGG60D



### HEAT GLUE STICKS

#### 10 PIECES

Quality product  
Nicholson brand Suit  
Glue guns dries clear  
Order One to Receive  
ten 11mm x 100mm  
Pack of 10

Code NGGS10







# Tools and Test Equipment

## □ Soldering Irons - Hand Iron

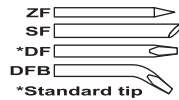
### 25 WATT SCOPE SOLDERING IRON

240 VAC with long life plated tips for electronic soldering at around 380°C Stainless steel barrel. Impact resistant handle.

Size	Code
25W	MH25

#### REPLACEMENT TIPS

Type	Code
TIPS	MH25ZF
TIPS	MH25SF
TIPS	MH25DF
TIPS	MH25DFB



### 40 WATT SCOPE SOLDERING IRON

240 VAC with longer plated tips for sustained heating at around 380°C Stainless steel barrel. Impact resistant.

Size	Code
40W	MH40

#### REPLACEMENT TIPS

Type	Code
TIPS	MH40ZF
TIPS	MH40SF
TIPS	MH40DF
TIPS	MH40DFB



### 25 / 30 / 40 WATT SOLDERING IRONS

#### GENERAL PURPOSE HOBBYIST

Excellent economical solution for general purpose soldering. 240Vac. Cool grip handle. Stainless steel barrel. Select wattage heat:

Watt	Code
25W	PRT-125
30W	PRT-130
40W	PRT-140



#### REPLACEMENT TIPS

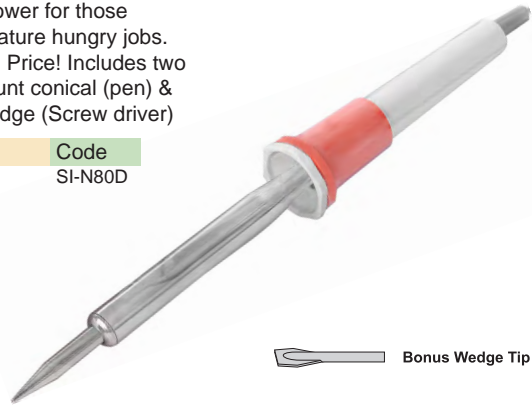
Type	Size	Code
Sharp	0.5mm	TIP-05
Round	1.5mm	TIP-15
Ellipse	3.0mm	TIP-30
Wedge	2.0mm	TIP-20



### 80 WATT COOPER TOOLS SOLDERING IRON

High power for those temperature hungry jobs. Special Price! Includes two tips: Blunt conical (pen) & Flat wedge (Screw driver)

Size	Code
80W	SI-N80D



Bonus Wedge Tip

### 80 WATT SOLDERING IRON

#### DURABLE CONSTRUCTION

80W soldering iron with black plastic handle. Long life tip. Mica heater. 3 pin SAA power plug.

Watt	Code
80W	PRT180



#### SOLDERING IRON TIP

Description	Code
Conical	SIT181
Chisel	SIT182
45° Straight Hoof	SIT183
Conical Sharp	SIT184



### 175 WATT WELLER HEAVY DUTY IRON

#### SUPER HIGH POWER!

16mmØ tip iron plated. 320mm long. 450g +Cord. Australian Made.

Size	Code
175W	SP175D

#### REPLACEMENT TIP

Description	Code
Chisel 16mm	MTG40



### 12V SOLDERING IRON

12 volt DC soldering iron 40 watt with 4.5M cord to Accessories plug. Ideal for in-field work on the car or boat, etc.

Code
SI4

#### REPLACEMENT TIP

Code
SIT40







## □ Soldering Irons - Hand Iron

### 20 WATT HAKKO SOLDERING IRON

High quality Light Weight (40g) Suitable for all general applications Ideal Hobby Iron or spare in the tool box, etc.

Size	Code
20W	HK500

#### REPLACEMENT TIP

Code
500-BB3

### 60 WATT HAKKO SOLDERING IRON

Size	Code
60W	HK503

#### REPLACEMENT TIP

Code
503-BB6



### HAKKO FX600 HAND-HELD IRON

**Super Fast Thermal Recovery!  
Professional Hand Held Soldering Iron**

Adjustable temperature range 200-500°C. Best suited for soldering of IC/LED and PWB. Includes T18-B standard Tip.

Code
FX600

#### REPLACEMENT TIP

Replacement tips selectable from more than 30 types. See manual or website for further details. Original supplied is:

Code
T18-B

#### HAKKO STAND

Hakko stand to suit.

Code
ST633



Tips are available, see manual or please enquire.

## □ Soldering Irons - 12V & Battery

### 12V PORTABLE WELLER IRON

#### 42W WITH BATTERY PACK

Portable hand tool solution Long life operation soldering Carry case with 12V 7.2Ah SLA Recharges from car accessories Premium Weller soldering iron Temperature controlled tip Standard sized light weight Rugged carry case w/ stand Made in Australia

Code
WPSI12V



### HAKKO FX901 BATTERY SOLDERING IRON

Easy-to-carry battery-powered soldering iron powered by AA alkaline batteries. Cordless design makes this iron very handy to use virtually anywhere. Recommended for hobby handicrafts such as stationary models and radio-controlled models.

Code
FX-901

#### REPLACEMENT TIP

Suits FX901

Type	Code
Conical	T11-B
Wedge 4mm	T11-D4



### BATTERY SOLDERING IRON

#### COMPACT SOLDER SOLUTION.

A lightweight and compact 8W battery powered soldering iron for use in areas where mains power is not conveniently available. Operates on 3 "AA" size alkaline batteries (not supplied). Size: 197x37x21mm. Two models are available with wedge tip or with Conical tip. Heats up only in 15 seconds. Cools down in only 30 seconds. Can be used for offices and home. Continuous run time of up to 1 hour with Alkaline batteries.

Type	Code
Wedge Tip	SI8WED
Conical Tip	SI8CON

#### REPLACEMENT TIPS

Type	Code
Wedge Tip	SIT8WED
Conical Tip	SIT8CON







# Tools and Test Equipment

## □ Soldering Irons - Gas

### 125W BUTANE PORTABLE IRON

#### INCLUDES CASE

Professional kit.  
Self igniting ESD safe.  
Safety shut-off. Fuel  
window. Stainless steel.  
Adjustable temp. Solder  
& Blow. 4 Tips included.  
Carry Case holder

#### Code

SP1K



### WELLER WSTA-6 PYRO-PEN POCKET IRON

Dont be caught without an iron again!  
Truly compact, fits in your shirt pocket!  
Quality product that  
Solders & Hot-blows.  
Spare parts available.

#### Code

WSTA6



#### TIPS TO SUIT

Description	Code
Taper 1mm	WPT01
Bevel 2mm	WPT03

### WELLER WPA-2 PYRO-PEN SOLDERING IRON

Runs up to 3Hrs on one fill  
of lighter fluid. Lightweight.  
Comfortable. Metal storage  
box. **Piezo Ignition**. Includes  
Soldering & Hot-Blow tips.  
Spare parts available.

#### Code

WPA2



#### TIPS TO SUIT WPA2

Description	Code
Taper 1mm	WPT1
Chisel 2mm	WPT2
Spade 2mm	WPT3

### WELLER WSTA-3 PYRO-PEN SOLDERING IRON

Professional service tool.  
This iron is identical to the  
WPA2 butane iron with  
solder & hot-blow but with  
a controllable **Flame-torch**  
instead of the piezo ignition.

#### Code

WSTA3



#### TIPS TO SUIT WSTA3

Description	Code
Taper 1mm	WPT1
Chisel 2mm	WPT2
Spade 2mm	WPT3

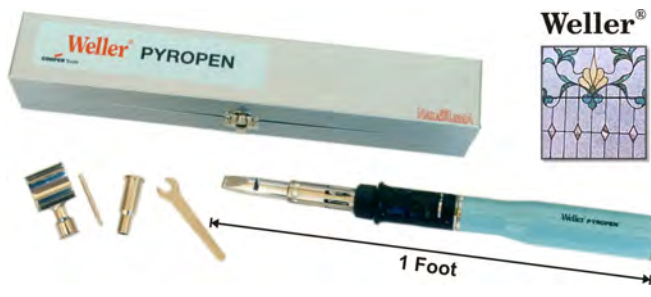
### WELLER WSTA-5 JUMBO PYRO-PEN

#### 1 Ft SELF IGNITING IRON

Large Heavy-Duty Butane.  
300mm long with 10mm tip.  
For high temp applications.  
Temp Range 250°C to 500°C.  
Includes 72-01-02 tip. Hot-blow  
torch nozzle. Heatshrink shield  
cup. Metal storage case. Spare  
parts available. Made in Japan.

#### Code

WSTA5



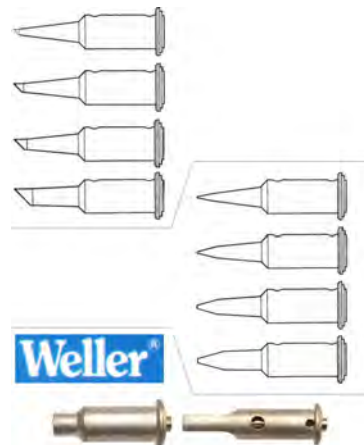
### WELLER PSI-100K TIPS

#### SINGLE FLAT

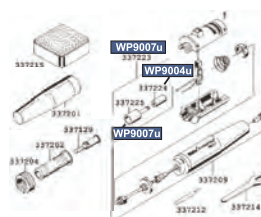
Size	Code
1.0mm	PSI-1
2.4mm	PSI-2
3.2mm	PSI-3
4.8mm	PSI-4

#### DOUBLE FLAT

Size	Code
1.0mm	PSI-5
2.4mm*	PSI-6
3.2mm	PSI-7
4.8mm*	PSI-8
Blower*	PSI-9
Knife*	PSI-10



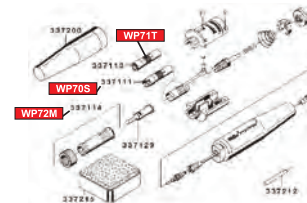
### WELLER WPA-2 PARTS



Description	Code
Ejector	WP9007
Burner Unit	WP9004U
Ejector Unit	WP9007U

Code	Description	Tip Size
WP1-1	Taper	1.0mm
WP1-2	Chisel	2.0mm
WP1-3	Spade	2.0mm
WP1-4	Spade 4mm	4.0mm
WP1-5	Spade 6mm	6.0mm
WP1-6	Spade 8mm	8.0mm
WP1-7	Spade 10mm	10.0mm
WP1-8	Spade 12mm	12.0mm
WP1-9	Spade 14mm	14.0mm
WP1-10	Spade 16mm	16.0mm
WP1-11	Spade 18mm	18.0mm
WP1-12	Spade 20mm	20.0mm
WP1-13	Spade 22mm	22.0mm
WP1-14	Spade 24mm	24.0mm
WP1-15	Spade 26mm	26.0mm
WP1-16	Spade 28mm	28.0mm
WP1-17	Spade 30mm	30.0mm
WP1-18	Spade 32mm	32.0mm
WP1-19	Spade 34mm	34.0mm
WP1-20	Spade 36mm	36.0mm
WP1-21	Spade 38mm	38.0mm
WP1-22	Spade 40mm	40.0mm
WP1-23	Spade 42mm	42.0mm
WP1-24	Spade 44mm	44.0mm
WP1-25	Spade 46mm	46.0mm
WP1-26	Spade 48mm	48.0mm
WP1-27	Spade 50mm	50.0mm
WP1-28	Spade 52mm	52.0mm
WP1-29	Spade 54mm	54.0mm
WP1-30	Spade 56mm	56.0mm
WP1-31	Spade 58mm	58.0mm
WP1-32	Spade 60mm	60.0mm
WP1-33	Spade 62mm	62.0mm
WP1-34	Spade 64mm	64.0mm
WP1-35	Spade 66mm	66.0mm
WP1-36	Spade 68mm	68.0mm
WP1-37	Spade 70mm	70.0mm
WP1-38	Spade 72mm	72.0mm
WP1-39	Spade 74mm	74.0mm
WP1-40	Spade 76mm	76.0mm
WP1-41	Spade 78mm	78.0mm
WP1-42	Spade 80mm	80.0mm
WP1-43	Spade 82mm	82.0mm
WP1-44	Spade 84mm	84.0mm
WP1-45	Spade 86mm	86.0mm
WP1-46	Spade 88mm	88.0mm
WP1-47	Spade 90mm	90.0mm
WP1-48	Spade 92mm	92.0mm
WP1-49	Spade 94mm	94.0mm
WP1-50	Spade 96mm	96.0mm
WP1-51	Spade 98mm	98.0mm
WP1-52	Spade 100mm	100.0mm

### WELLER WSTA-3 PARTS



Description	Code
Torch Ejector	WP71T
Solder Ejector	WP70S
Tip Housing	WP72M

Code	Description	Tip Size
WP1-1	Taper	1.0mm
WP1-2	Chisel	2.0mm
WP1-3	Spade	2.0mm
WP1-4	Spade 4mm	4.0mm
WP1-5	Spade 6mm	6.0mm
WP1-6	Spade 8mm	8.0mm
WP1-7	Spade 10mm	10.0mm
WP1-8	Spade 12mm	12.0mm
WP1-9	Spade 14mm	14.0mm
WP1-10	Spade 16mm	16.0mm
WP1-11	Spade 18mm	18.0mm
WP1-12	Spade 20mm	20.0mm
WP1-13	Spade 22mm	22.0mm
WP1-14	Spade 24mm	24.0mm
WP1-15	Spade 26mm	26.0mm
WP1-16	Spade 28mm	28.0mm
WP1-17	Spade 30mm	30.0mm
WP1-18	Spade 32mm	32.0mm
WP1-19	Spade 34mm	34.0mm
WP1-20	Spade 36mm	36.0mm
WP1-21	Spade 38mm	38.0mm
WP1-22	Spade 40mm	40.0mm
WP1-23	Spade 42mm	42.0mm
WP1-24	Spade 44mm	44.0mm
WP1-25	Spade 46mm	46.0mm
WP1-26	Spade 48mm	48.0mm
WP1-27	Spade 50mm	50.0mm
WP1-28	Spade 52mm	52.0mm
WP1-29	Spade 54mm	54.0mm
WP1-30	Spade 56mm	56.0mm
WP1-31	Spade 58mm	58.0mm
WP1-32	Spade 60mm	60.0mm
WP1-33	Spade 62mm	62.0mm
WP1-34	Spade 64mm	64.0mm
WP1-35	Spade 66mm	66.0mm
WP1-36	Spade 68mm	68.0mm
WP1-37	Spade 70mm	70.0mm
WP1-38	Spade 72mm	72.0mm
WP1-39	Spade 74mm	74.0mm
WP1-40	Spade 76mm	76.0mm
WP1-41	Spade 78mm	78.0mm
WP1-42	Spade 80mm	80.0mm
WP1-43	Spade 82mm	82.0mm
WP1-44	Spade 84mm	84.0mm
WP1-45	Spade 86mm	86.0mm
WP1-46	Spade 88mm	88.0mm
WP1-47	Spade 90mm	90.0mm
WP1-48	Spade 92mm	92.0mm
WP1-49	Spade 94mm	94.0mm
WP1-50	Spade 96mm	96.0mm
WP1-51	Spade 98mm	98.0mm
WP1-52	Spade 100mm	100.0mm

### WSTA5 WELLER TIPS

Description	Code
Conical 3mm	720101AU
Chisel 4mm	720102
Spade 4mm	720103
Conical 2mm	720105
Spade 4mm	720106
Pyramid 2mm	720107AU
Flat 3mm	720113
Hot Blow 4mm	720151
Hot Blow 6mm	720152
Hot Blow 10mm	720153





## □ Soldering Irons - Weller

### WELLER 50W ADJUSTABLE SOLDERING STATION

#### ANALOGUE TEMPERATURE CONTROLLED & ADJUSTABLE

The tip temperature is electronically controlled by thermal circuitry. Adjustable directly from the front panel dial 150°C to 450°C (+/-3%). Basic design affords a professional station at an economical price. Kit includes WES51DPU power unit with separate deluxe iron stand plus the slim comfortable light-weight 50 Watt soldering pencil; PES51. The ET series tips have a quick recovery time and long life. Reduce operator fatigue. Ideal for continuous operator soldering. Temperature lock-out. Auto switch off if left unused. High-end performance station assembled in Australia. Spare parts available. ET series tips (ETA supplied).

Size	Code
50W	WES51D



**Weller®**

### WELLER 50W DIGITAL SOLDERING STATION

#### DIGITAL TEMPERATURE CONTROLLED & ADJUSTABLE

The tip temperature is precision Micro-processor monitored & controlled. Temperature adjustable directly from the front panel dial 150°C to 450°C. Direct iron tip temperature monitored by 3 digit LED readout in °C or °F. The kit includes WESD51DPU digital power unit with a separate iron stand and a PES51 deluxe slim comfortable light-weight 50 Watt soldering pencil. The ET series tips have a quick recovery time and long operational life. Suits soldering of sensitive electronics susceptible to over temperature. Excellent rework station, production, Through-hole SMT boards, Multi-Layer boards, etc. Base has wireless Temperature lock-out and Auto switch off. Assembled in Australia. Spare parts available. ET series tips (ETA supplied).

Size	Code
50W	WESD51D



**Weller®**

### WELLER 80W PROGRAMMABLE SOLDERING STATION

#### MICRO-PROCESSOR TEMPERATURE CONTROLLED & ADJUSTABLE

The higher reserve power vastly improves tip temperature recovery time. The tip temperature is precision Micro-processor monitored & controlled. Temperature adjustable digitally 50°C to 450°C and has 3 direct presets. Programmable stand-by time, Auto-Off, Temp window, Temp offset, Lock-out. Direct iron tip temperature monitored by 3 digit LCD readout in °C or °F. WP80 is a deluxe slim short neck-to-tip light-weight 80 Watt pencil. A new concept in soldering iron design offers low operator fatigue, Greater control, Improved performance, ease of use, a pleasure to use! The small foot print switchmode base unit uses less desktop bench space. LT series of tips available (LTB supplied). Made in Germany. ROHS & WEEE.

Size	Code
80W	WD1000



**Weller®**





# Tools and Test Equipment

## WELLER SOLDERING IRON PARTS

For part listings,  
be sure to keep  
the units manual!

Older parts are available.....

### More are available

If we don't have stock  
we can order them in  
with minimal delay. for  
Hakko or Scope, etc.  
parts are available.



## WELLER STATION

WT-CP,  
WT-CPL,  
WT-CPN,  
WT-CPS,  
WT-CPT,  
WT-CPT-D  
WT-CPZ,  
etc., TC-P1  
& TC-P12.



## WELLER WT-CP PENCIL

Iron Complete

Code  
TC201



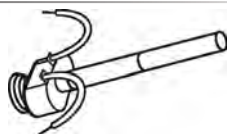
## WELLER HEATER SUIT TC201

Volts	Watt	Code
24V	60W	HE60-24



## WELLER HEATER-SWITCH SUIT TC201

Code  
SW60D



## WELLER BARREL-NUT SUIT TC201

Code  
BA60



## WELLER HANDLE ONLY SUIT TC201

Code  
HO60A



## WELLER CORD SET & HANDLE

Code  
TC203A



## WELLER PLUG & RECEPTACLE

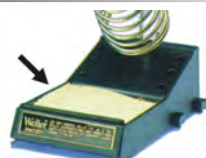
Code  
TC369A



## WELLER SPONGE

Sponge Only  
Suit Weller  
Iron Stand

Code  
TC205



## WELLER WT201 WT-CPT-D

### PTA - WEDGE 1.6

Temp.	Code
371°C	V10-700
427°C	V10-800



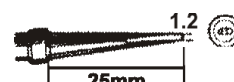
### PTH - WEDGE 0.8

Temp.	Code
371°C	V16-700
427°C	V16-800



### PTK - LONG 1.2

Temp.	Code
371°C	V17-700
427°C	V17-800



### PTP - CONICAL 0.8

Temp.	Code
371°C	V20-700
427°C	V20-800



### PTCC - WEDGE 3.2

Temp.	Code
371°C	V23-700
427°C	V23-800



### PTO - Long Conical 0.8

Temp.	Code
371°C	V26-700
427°C	V26-800



## WELLER TIPS TO SUIT EC STATIONS

Temperature  
Controlled  
Stations EC1000,  
C1001, EC1002,  
EC2000, EC2001,  
DS1003, WEC-P,  
WEC-24, etc.



### ETA - WEDGE 1.6mm

Code  
ETA



### ETK - LONG 1.2mm

Code  
E47



### ETO - SHARP 0.8mm

Code  
ETO



### ETP - CONICAL 0.8mm

Code  
ETP



### TETS - SHARPER 0.4mm

Code  
E57







## SCOPE MINISCOPE SOLDERING IRON

Light weight Pencil iron for push button instant heat with adjustable temp' whilst soldering. 200-500°C. 10-70 Watt. For light to medium duty Precision soldering. Classic press for instant heat soldering.

Requires PSU10

Code  
SI85



## SCOPE POWER SUPPLY

Code  
PSU10



## SCOPE MINISCOPE & SUPERSCOPE SPARE PARTS

Description	Code
10x SuperScope tips, 6.4mm, 1A	SS1A
10x SuperScope tips, 3.2mm, 1B	SS1B
10x SuperScope heater elements.	SS3
3x SuperScope tips, (1A x2, 1B) + 2x Heater elements	05PS
1x SuperScope barrel	SS02
1x Ceramic Bead SuperScope	SS05



Description	Code
10x MiniScope tips, 6.4mm, 1A	MS21A
10x MiniScope tips, 2.5mm, 1B	MS21B
MiniScope Barrel	MS22D
10x MiniScope heater elements.	MS23
1X Ceramic Bead MiniScope	MS25
Kit 2x Elements & Tips 1A, 2x 21	05PM

## SCOPE TIPS TO SUIT OLDER SOLDERING IRONS

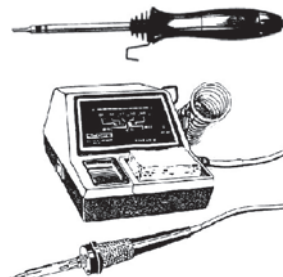
Iron	Type	Code
ETC30W/8	S	ZF0.8/59
ETC30W/2	H	DF1.6/504
ETC30W/2	H	DF2.0/505
ETC60W/8	S	DF0.4/23
ETC60W/8	S	SF0.8/21
ETC60W/8	S	DF1.2/26
ETC60W/8	S	SF1.2/27
ETC60W/8	S	DF1.6/24
ETC60W/8	S	SF2.0/57
ETC60W/8	S	DF3.2/25
ETC60W/9	H	DF0.4/03
ETC60W/9	H	DF0.8/02
ETC60W/9	H	DF1.2/06
ETC60W/9	H	DF1.6/04
ETC60W/9	H	DF3.2/05
ETC60W/9	H	DF5.0/10
PX10	H	DF1.0/B
PX10	H	DF2.0/2D
PX10	H	DF5.0/5K
TC60		DF32
TC60		DF64
TC60		SF16
TC60		SF32
TC60		SF64
PX10	H	SF1.0/BC
PX10	H	SF2.0/2C
PX10	H	SF3.0/3C
PX10	H	SF5.0/11
PH20, MH25		SF2475
PH20, MH25		DF3475
PH20, MH25		SF4475
PH20, MH25		ZF0475

Superseded Soldering Irons still require replacement tips! Here are the tips we have stock of. If you require a tip not listed, please enquire.



Type "H" = Hollow  
Type "S" = Solid

ETC60W/8 is for ETC60W & ETC60W8



## SCOPE PARTS

### SUPER-SCOPE and MINI-SCOPE

For parts to suit older or other Scope products, Please enquire.



## SCOPE SUPERSCOPE SOLDERING IRON

### SUPERSCOPE FAST POWERFUL LOW VOLTAGE

Adjust heat instantly whilst soldering. 200-500°C 20-100 Watt. For medium to heavy duty soldering. Requires PSU10

Code  
SI75



### SCOPE POWER SUPPLY

3.3 volts high current.

Code  
PSU10

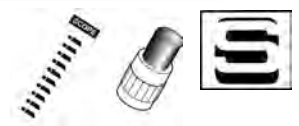


## SUPERSCOPE HEATER ELEMENT

### SUPER-SCOPE

10 pcs

Code  
SS3



### SUPERSCOPE 3.2mm

Conical

10 pcs.

Code  
SS1B



### SUPERSCOPE 6.4mm

Chisel

10 pcs.

Code  
SS1A

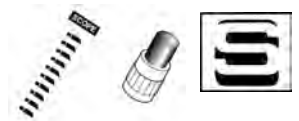


## MINI-SCOPE HEATER ELEMENT

### MINI-SCOPE

10 pcs

Code  
MS23



### MINI-SCOPE 2.5mm

Conical

10 pcs.

Code  
MS21B



### MINI-SCOPE 6.4mm

Chisel

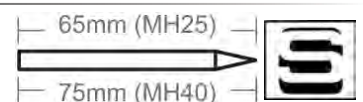
10 pcs

Code  
MS21A



## SCOPE - ZERO FLAT

Size	Code
4mm	MH25ZF
5mm	MH40ZF



## SCOPE - SINGLE FLAT

Size	Code
4mm	MH25SF
5mm	MH40SF



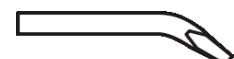
## SCOPE - DOUBLE FLAT

Size	Code
4mm	MH25DF
5mm	MH40DF



## SCOPE - BENT

Size	Code
4mm	MH25DFB
5mm	MH40DFB







# Tools and Test Equipment

## □ Soldering Irons - Hakko

### HAKKO FX888 PARTS & ACCESSORIES



REMEMBER: HOLD ON TO YOUR MANUAL!

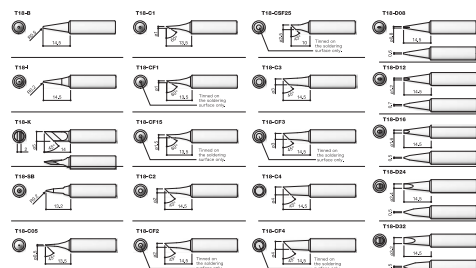
[http://www.hakko.com/english/products/hakko\\_fx888.html](http://www.hakko.com/english/products/hakko_fx888.html)

#### REFER TO MANUAL FOR DETAILS

Description	Code
65W Pencil	FX8801-01
Iron Holder	FH800-01BY
Cleaning Sponge	A1559
Cleaning Wire	A1561
Rubber Cleaner	B3474
Heating element	A1560
Tip Enclosure	B3469
Nut	B1785
Nipple 907	B2022
Screwdriver	B3466

#### Tips

Code	Code
T18-B	T18-CSF25
T18-I	T18-C3
T18-K	T18-CF3
T18-SB	T18-C4
T18-C05	T18-CF4
T18-C1	T18-D08
T18-CF1	T18-D12
T18-CF15	T18-D16
T18-C2	T18-D24
T18-CF2	T18-D32



### HAKKO 936 SOLDERING STATION SPARE PARTS

#### REPLACEMENT IRONS 50W

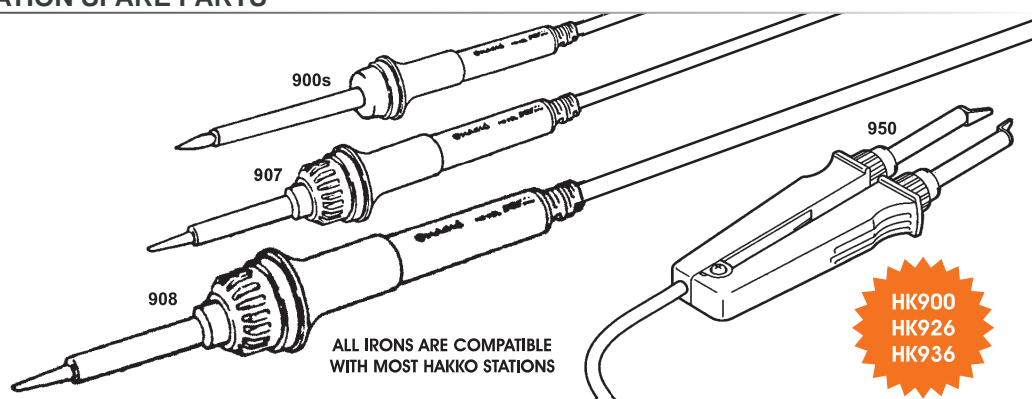
Type	Code
Small	HK900S
Medium	HK900M
Medium	HK907
Large	HK908

#### IRONS TO SUIT 936 STATIONS

Type	Code
Small	HK900S-ESD
Medium	HK900M-ESD
Medium	HK907-ESD
Large	HK908-ESD

#### TWEEZERS

Code
HK950



### HAKKO 936 SOLDERING STATION SPARE PARTS

#### MINI IRON HK900S & ESD

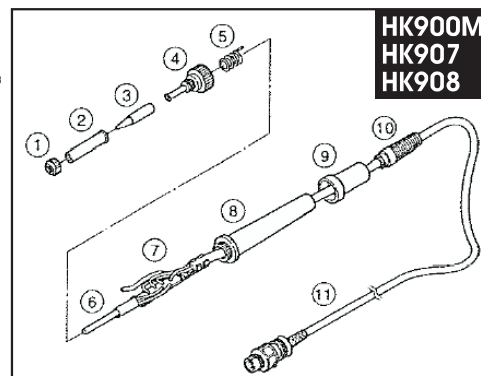
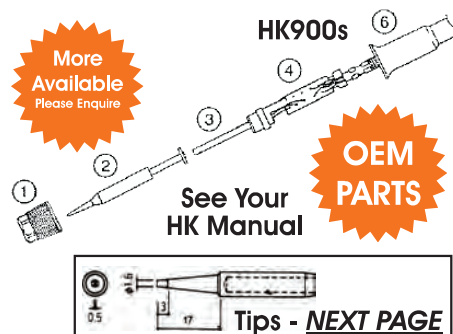
Description	Code
Nut	900S-006
Heater Element	900S-H

#### REPLACEMENT HK900M, HK907 & ESD

Description	Code
Tip Enclosure	B1786
Nut	B1784
Nipple 900M	B1920
Nipple 907	B2022
Heater Element	900M-H

#### LARGE IRON HK908 & ESD

Description	Code
Cleaning Sponge	A1042
Heater Element	900M-H



Tips - **NEXT PAGE**

**ALL PARTS AVAILABLE!** [www.wescomponents.com/datasheets/hakko/](http://www.wescomponents.com/datasheets/hakko/)

### HAKKO 950 SMD HOT TWEEZER ACCESSORIES

#### SPONGE TO SUIT STAND

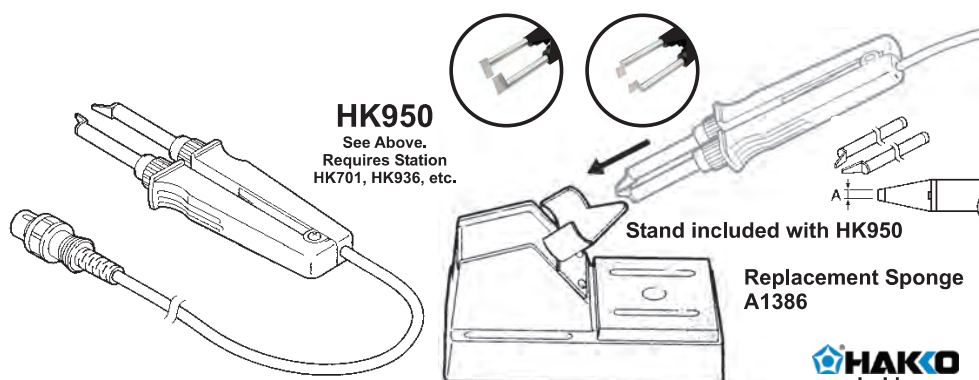
Code
A1386

#### REPLACEMENT TIPS (2 Supplied)

Size	Code
2.0x1.0	A1378
1.0x1.0	A1379
8.0x1.0	A1380
10.0x1.0	A1381
13.0x1.0	A1382
18.0x1.0	A1383
20.0x1.0	A1384
25.0x1.0	A1385

#### REPLACEMENT HEATING ELEMENT

Description	Code
One Supplied	A1377



Replacement Sponge  
A1386

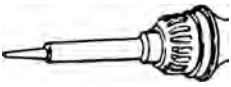
**HAKKO**  
[www.hakko.com](http://www.hakko.com)





## HAKKO ORIGINAL TIPS

Please refer to your instruction manual for more tips available.



## HAKKO TO SUIT

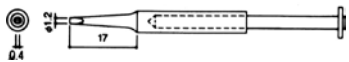
HK900S Mini-Iron  
HK900M eq. HK907  
HK900L eq. HK908

If not listed, Please Enquire



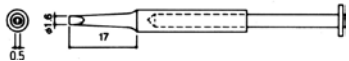
## HAKKO 900S TINY CHISEL

Code  
900S-T-1.2D



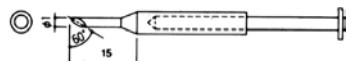
## HAKKO 900S SMALL CHISEL

Code  
900S-T-1.6D



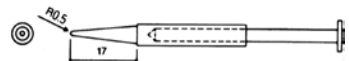
## HAKKO 900S TINY BEVEL

Code  
900S-T-1C



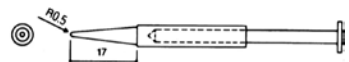
## HAKKO 900S SMALL BEVEL

Code  
900S-T-2C



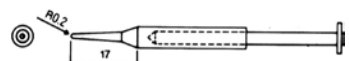
## HAKKO 900S BLUNT CONICAL

Code  
900S-T-B



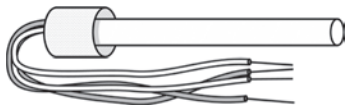
## HAKKO 900S SHARP CONICAL

Code  
900S-T-I



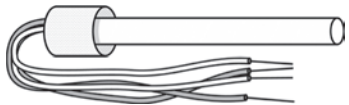
## HAKKO 900S HEATER 50W

Code  
900S-H



## HAKKO 900M HEATER 50W

Code  
900M-H



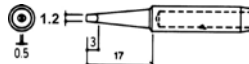
## SPARE PARTS AVAILABLE

Please retain your manual!

Please refer to your original Spare parts diagrams as found in your HAKKO Instruction manual.

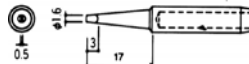
## HAKKO 900M SMALL CHISEL

Code  
900M-T-1.2D



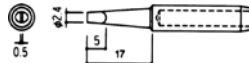
## HAKKO 900M SMALL CHISEL

Code  
900M-T-1.6D



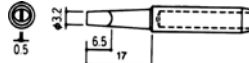
## HAKKO 900M MEDIUM CHISEL

Code  
900M-T-2.4D



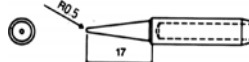
## HAKKO 900M LARGE CHISEL

Code  
900M-T-3.2D



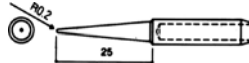
## HAKKO 900M BLUNT CONICAL

Code  
900M-T-B



## HAKKO 900M LONG CONICAL

Code  
900M-T-LB



## HAKKO 900M SHARP CONICAL

Code  
900M-T-I



## HAKKO 900M TINY BEVEL

Code  
900M-T-1C



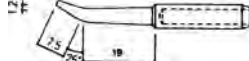
## HAKKO 900M CHISEL SPECIAL

Code  
900M-T-K



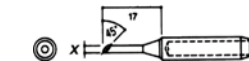
## HAKKO 900M BENT SPECIAL

Code  
900M-T-H



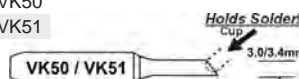
## HAKKO 900M BEVEL (X=Size)

Size	Code
2mm	900M-T-2C
3mm	900M-T-3C
4mm	900M-T-4C



## HAKKO 900M CUP STYLE TIP

Size	Code
3mm	900M-T-VK50
5mm	900M-T-VK51



## HAKKO 900M SMD BARREL

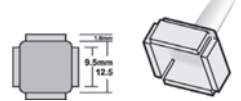
Required for the SMD tips listed below.

Code  
900M-1000



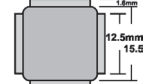
## HAKKO PLCC/MP 9x9mm SMD

Code  
924-T-1002



## HAKKO PLCC/MP 12x12mm

Code  
924-T-1003



Req' 900M-1000

## HAKKO PLCC/MP 13x13mm

Code  
924-T-1004



Req' 900M-1000

## HAKKO PLCC/MP 14x14mm

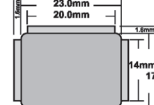
Code  
924-T-1005



Req' 900M-1000

## HAKKO PLCC/MP 20x14

Code  
924-T-1006



Req' 900M-1000

## HAKKO PLCC/MP 17x17

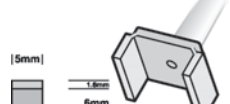
Code  
924-T-1007



Req' 900M-1000

## HAKKO DIP/DIL 6mm SMD

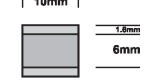
Code  
924-T-1010



Req' 900M-1000

## HAKKO DIP/DIL 6mm

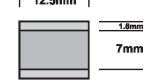
Code  
924-T-1011



Req' 900M-1000

## HAKKO DIP/DIL 7mm

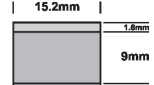
Code  
924-T-1012



Req' 900M-1000

## HAKKO DIP/DIL 9mm

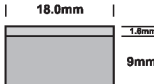
Code  
924-T-1013



Req' 900M-1000

## HAKKO DIP/DIL 9mm

Code  
924-T-1014



Req' 900M-1000





# Tools and Test Equipment

## □ Soldering Irons - Hakko

### HAKKO FX888D SOLDERING STATION

#### ESD LEAD-FREE WITH PRESETS

The Hakko FX888D-23BY is an ESD-safe digital soldering station with selectable preset temperatures and digital calibration.

- ESD-safe
- Compact unit; takes up little space on the workbench
- Soldering iron has a thin grip for easier use
- Ceramic heating element
- Rapid 30 second heat-up
- Fast thermal recovery
- Celsius and Fahrenheit temperature display
- User selectable preset temperatures
- Unit offers password protection
- Low temperature alarm provides process control

Iron power 65W / 26V

Temperature presets: 5

Temperature: 50° - 480°C

Temperature stability: ±1°C

Includes Station power unit & iron

with T18-D16 Chisel solder tip

Iron holder, Cleaning sponge, Wire sponge.

Code  
FX888D



### HAKKO FX950 SOLDERING STATION - ANALOGUE SET

#### Compatible with T12 Series Soldering Tips

Analog type temperature set with Lock key. The excellent thermal recovery allows setting lower preset temperatures. It is also useful for lead-free soldering which requires higher melting temperatures. The composite tip is a ceramic soldering tip with integrated heating element and sensor. Despite its highly compact design, the tip offers superior thermal responsivity and greatly improved thermal recovery. 85 variations of HAKKO tips are available for various types of soldering from IC modifications to soldering of power sections. With Iron holder, Control card, Heat resistant pad and Power cord.

Code  
FX950

#### REQUIRES TIP !

Choose a T12 type below...



### HAKKO FX951 SOLDERING STATION - DIGITAL SET

#### ESD SAFE DIGITAL TEMPERATURE CONTROL & COMPOSITE TIP IRON

Digital soldering station ideally suited to lead free soldering processes. Advanced technology. Vertical bench space saving design. Modern styling. Features programmable functions including power saving sleep settings to greatly extend the irons tip life. The stand detects iron placement and will stop energising the iron after the set sleep period of 1 to 30 min. T12 Series of composite tips are soldering tip, heater & thermal sensor all in the one compact design. This greatly improves thermal recovery Coupled to a powerful 70W source ensures superior performance.

Code  
FX951

**NO TIP SUPPLIED** - See Listing Below...  
[ eg. 0.2B T12-B] or [www.hakko.com](http://www.hakko.com)



### HAKKO FX950 & FX951 TIPS T12

Active tips See manual for details

Description	Code
0.2mmØ Composite Tip	T12-B
0.5mmØ Composite Tip	T12-B2
1.2mmØ Composite Tip	T12-D12







## HAKKO FM-2032 PRECISION MICRO SOLDERING IRON AND STAND

The FM-2032 micro soldering iron extends precision micro soldering capabilities to a variety of HAKKO soldering and rework systems. Ideal for micro-soldering applications, the slender, lightweight hand-piece has a tip-to-grip distance optimized for operator dexterity under microscopes and magnifiers while preserving the control one expects when working with 0201 components and smaller.

The new T30 Series composite micro tips have geometries engineered for optimal heat transfer and the ability to reach into some of the tightest spots on a board.

For use with the Hakko FX-951, FM-203, and FM-206 soldering systems. (Not Included)

- Thin, burn resistant iron cord
- The shape of the iron and tips (sold separately) are optimised for working under a magnifier
- Allows tips to be change quickly
- Cool running grip even when operating at 450°C for extended periods
- Includes iron holder, heat resistant pad and connecting cable
- Compatible with Hakko high end soldering stations;
- FM-203, FM-206 and FX-951.
- ESD Safe by design

Code  
FM-2032



MICRO TIPS FOR FM-2032

LEAD  
FREE

ESD  
SAFE

RoHS

### COMPATIBLE WITH THE FOLLOWING SOLDERING STATIONS:



FM-203

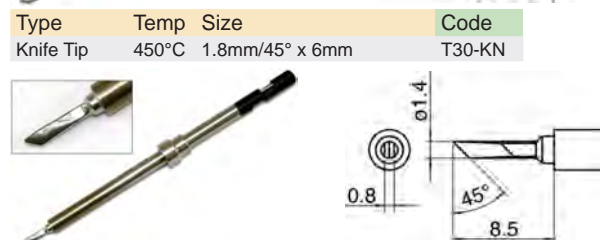
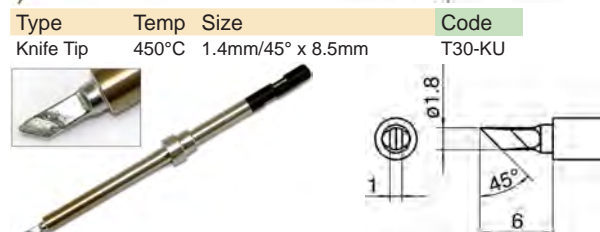
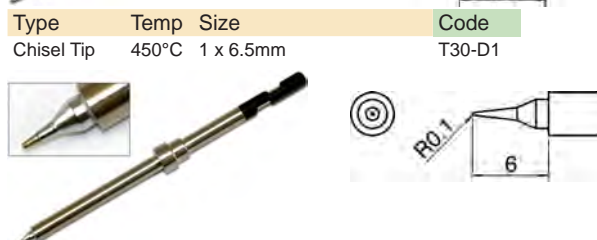
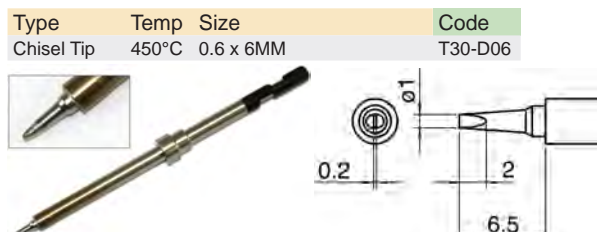
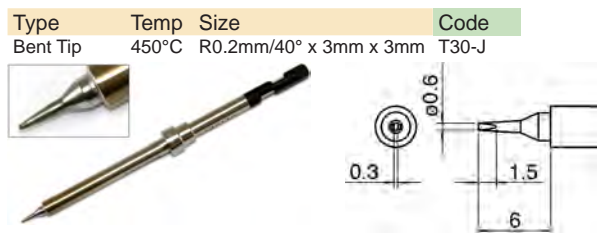


FM-206



FX-951

## REPLACEMENT TIPS FOR TM-2032 MICRO SOLDERING IRON







## HAKKO FR-810 DIGITAL HOT AIR STATION

UP TO 600°C AND 115L/MIN WITH PROGRAMMABLE REFLOW PROFILES

The new, compact and lightweight FR-810 Hot Air Rework Station features a quiet, self-contained turbine air supply, capable of delivering approximately 115L/min (free flowing). The new heating element design improves durability, provides a top end temperature of 600°C and eliminates the quartz glass insulator tube. New N51 Series Quick Change nozzles allows for tool-free installation and removal, and the integrated holder provides automatic safety cool down when the hand-piece is not in use.

Code

FR810

### REPLACEMENT HOT AIR NOZZLE FOR FR-810

Type	Code
2.5mmØ ID	N51-01
4mmØ ID	N51-02
5.5mmØ ID	N51-03
7mmØ ID	N51-04
1.5x 3mm 45° tilted	N51-05



## HAKKO FX301 SOLDERING POT

LEAD-FREE COMPATIBLE

Four heating programs for optimum temperatures to suit most solder types Sn-Pb (Tin/Lead), Sn-Ag-Cu (Tin/Silver/Copper), Sn-Cu (Tin/Copper) Sn (Tin) Microprocessor Temperature controllable with digital temperature display High performance Ceramic heating element with two sized pots available Pot size included 50mm². Additional pots and 75mm² pots are optional extras Suits terminal treatment of wires, removal of electronic components, etc. Convenient programmable timer function helps keep tabs on how long the solder has been in use making it easy to judge when to replace the pot New improved performance tool gives excellent thermal recovery Displays °C or °F. ESD Safe. 400°C to 840°C Max

Code

FX301



## HAKKO FR-300 PORTABLE DESOLDERING TOOL

NOW WITH A NEW IMPROVED PUMP SYSTEM

The Hakko desoldering tool kit features the performance of an industrial grade desoldering tool and wraps it into a compact, lightweight handheld tool. The new pump system generates superior suction flow compared to similar products in the market. The single pump chamber allows the unit to be more balanced in the user's hand and reduces vibration. The closed-loop temperature sensor feedback system provides improved heating recovery and control. Temperature is set on the handle with a range of 350°C - 500°C. The new quick nozzle replacement system allows a user to change the nozzle with just one quick action and return to desoldering.

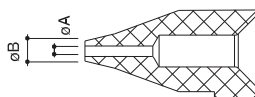
The unit includes an a temperature control dial and a power switch. Kit includes desoldering tool, iron holder, quick-change nozzle tool, aluminium pre-filter, ceramic filter, filter pipe, hand tool cleaning pins, 1.0mm desoldering nozzle (N50-04) and carrying case.

Code

FR-300

### REPLACEMENT TIP FOR FR-300

A	B	Code
0.8mm	2mm	N50-01
1mm	2mm	N50-02
0.8mm	2.5mm	N50-03
1mm	2.5mm	N50-04
1.3mm	3mm	N50-05
1.6mm	3mm	N50-06







## Desoldering Gun

### SC7000Z MOTOR ACTUATED DESOLDERING PISTOL

The SC7000Z. It is a light weight, compact, pistol shaped device incorporating a built-in diaphragm type vacuum pump and 60 watt soldering iron. It is designed for general purpose field and workshop applications. (For heavy duty rework and production, see Hakko Re-work stations.) The combination of suction nozzle and trigger action increases efficiency and productivity. Also very effective on PCB's with through holes due to the direct heat and high suction power. The high power, ceramic heated tip is remote temperature sensed to give fast recovery and exact temperature control to prevent damage to IC, LSI and PCB tracks. Can also be used as a hot blow gun. Hot blow is suitable for removal of SMD components, heat shrink, etc.

Code  
SC7000Z



**Replacement Tips**

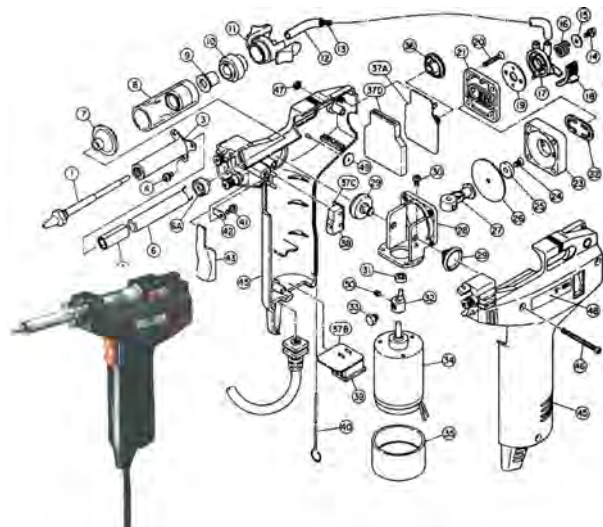
See Manual

CODE NO.	SPEC.	STAMPED	φφ4	φφ1	φφ2	Length
50-01-11	0.8Std	0.8	0.8	2.5	7.0	12.5
50-01-12	0.8SLIM	0.8S	0.8	2.0	6.0	14.0
50-01-13	0.8U SLIM	0.8U	0.8	1.5	5.0	11.5
50-01-14	1.0 Std	1.0	1.0	2.5	7.0	12.5
50-01-15	1.5Std	1.5	1.5	3.0	7.0	12.5
50-01-16	1.0 SLIM	1.0S	1.0	2.0	6.0	14.0
50-01-17	1.5 SLIM	1.5S	1.5	2.2	6.0	14.0



### SC7000Z TIPS, ACCESSORIES & SPARE PARTS

Description	DIAG	Code
Stand to suit	-	ST800
Tip assembly 0.8mm	1	SIT80
Tip assembly 1.0mm	1	SIT100
Tip assembly 1.5mm	1	SIT150
Heater holder	3	70-03-00
Heater Sleeve	5	700500
Heater assembly	6	70-06-50
Heater protector	6A	70-06-10
Pipe setter	7	5000A-7
Filter Cartridge(5pcs)	8	70-08-00
Rear Seal	10	70-10-00
Rear Pipe Setter	11	70-11-00
Diaphragm		70-26-00
Isolation Rubber		70-29-00
Gasket	19	70-19-00
Set Valve	22	70-22-00
MAIN PCB	37a	70-37-50
Power PCB	37b	70-37-51
Cleaning Pin	40	5000-51
Cleaning Pin Set	51	70-51-00



### SC7000Z SURFACE MOUNT DESOLDERING AND REMOVAL KIT



Surface Mount Device Removal Kit. Special Tip and assorted tools to suit SC7000Z.

Code  
DICSMKIT





# Tools and Test Equipment

## □ Soldering Irons - Induction

### THERMALTRONICS SOLDERING STATION - INDUCTION TYPE

#### 13.56 MHz RADIO FREQUENCY INDUCTION CURIE HEAT SOLDERING SYSTEM

A new generation of soldering stations now using induction technology.

The TMT-9000S2 is based on "Curie Heat Technology" which responds to the thermal demands of each solder joint by adjusting the power instantaneously at the tip, not through the barrel as conventional irons do, thereby meeting the exact requirements of the substrate component and solder material. This new technology saves tips by not over heating them, saves components from damage and saves operator fatigue due to efficiency, speed and ease of use. The kit comprises a 13.56 MHz Power Supply with LCD display, a slim soldering handpiece with comfort grip, workstand and an unique tip cartridge. Additionally, two switchable soldering ports are offered with the System for expansion (SHP-1).

ESD safe. Certified in accordance with TUV, CE, GS & NRTL standards.

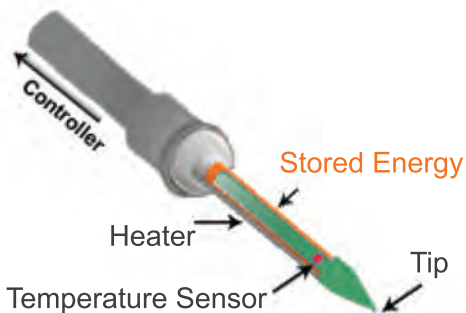
Code  
TMT9000S2



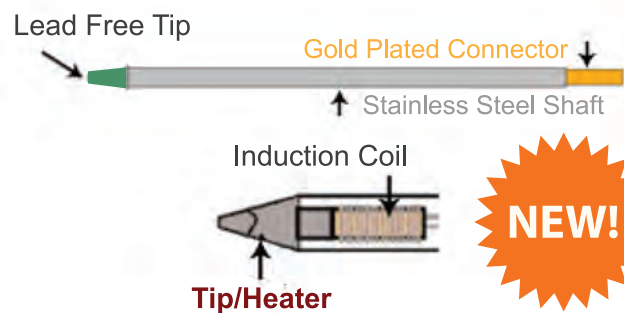
NEW  
TECHNOLOGY

ONE TIP SUPPLIED. MORE AVAILABLE  
[www.thermaltronics.com/tipcartridge.php](http://www.thermaltronics.com/tipcartridge.php)

#### Conventional Ceramic Heater Setup



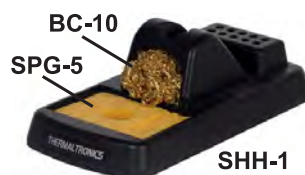
#### Thermaltronics Curie Heat Cartridge Setup



NEW!

#### TMT9000S REPLACEMENT ACCESSORIES

Description	Code
TMT9000S Holder	SHH-1
TMT9000S Handle	SHP-1
TMT9000S Brass Curls	BC-10
TMT9000S Sponge	SPG-5



ESD  
SAFE

#### TMT9000S Tips 350°C - 398°C [www.thermaltronics.com/tipcartridge.php](http://www.thermaltronics.com/tipcartridge.php)

Type	Size	Code
Bent 30°	0.4mm	M7B325
0.4mm	Conical	M7C300
2.5mm	Chisel	M7CH175
Chisel	1.78mm	M7CH176
Chisel	1.5mm	M7CH177
Chisel	1.0mm	M7CH178
Chisel	5.0mm	M7CH250
Wave	3.0mm	M7WV300
Conical	0.4mm	M7CS152
Conical	0.5mm	M7CS155
2.03mm	Knife Tinned	M7K100
Sharp Bent	0.5mm	M7SB276



Other temperatures are available but not listed.  
M6 (325°C - 358°C)  
M8 (420°C - 475°C)  
Tips ordered in on request.  
See website for more...  
[www.thermaltronics.com](http://www.thermaltronics.com)



[www.thermaltronics.com](http://www.thermaltronics.com)





## □ Soldering Irons - Station

### ELECTRONIC TEMPERATURE CONTROLLED SOLDERING STATION ESD

#### ESD SAFE WITH DUAL DIGITAL DISPLAY

ESD Soldering Station with a Dual LCD Digital Display. Is the perfect station in assembly, prototype and service environments where close temperature control is important. Two-line LCD readout simultaneously displays tip temperature and set point in degrees Celsius or Fahrenheit. Set temperature in 1° steps. with quick jump keys for 200°/300°/400°C. LCD icons illustrate "Heat On" when iron is active, and "Wait" status. With iron, holder and sponge. Stand is detachable.

Power supply voltage 220V-240Vac  
Electronic iron Power: 48 watt 24V  
Electro-Static Discharge Safe  
Regulating scope temperature. 150°C - 450°C  
Temperature display 2x LCD display  
Display precision 5%  
Base + Stand: 210x125x135mm

Colour	Code
Black	PRT-237BK
White	PRT-237WH



#### REPLACEMENT IRON

Colour	Code
Black	SI237-BK
White	SI237-WH

#### BARREL

Code
BRL-237



#### HEATER

Code
HTR-237



#### SPONGE

Size	Code
57x37mm	SPG-237

#### REPLACEMENT TIPS

Type	Size	Code
Round*	1.5mm	TIP237-16
Sharp	0.5mm	TIP237-26
Ellipse	2.0mm	TIP237-36
Wedge	3.0mm	TIP237-46



\*Iron supplied with TIP937-16



### HOBBYIST SOLDERING STATION

#### 48W VARIABLE TEMPERATURE CONTROLLED

A high quality compact design soldering station. Adjustable temperature controller, controls a very wide range of temperature (100°C - 450°C). Comes with 1.5mm tip. Many more replacement tips available.

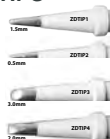
- Features
- Compact base station with cleaner sponge
- Safety guard iron holder built-in stand
- Rotary temperature control setting
- Variety of replacement tips available
- Adjustable temperature soldering station
- On/off switch with power on indicator light
- Integral tip cleaner, with included cleaning sponge
- Variable temperature control range from 100C to 450C.

Code
ZD99

#### ZD99 REPLACEMENT TIPS

Size	Code
1.5mm	ZDTIP1
0.5mm	ZDTIP2
3.0mm	ZDTIP3
2.0mm	ZDTIP4

\*Iron supplied with ZDTIP1







# Tools and Test Equipment

## Accessories

### SOLDERING IRON STAND

Metal Base & Spring.  
Standard Iron Size.

Code  
HTA5

#### HTA5 Sponge

Code  
SPG3455



### SOLDERING IRON STAND

Heavy cast iron base.  
Standard Iron Size.

Code  
HTA10

#### HTA10 Sponge

Code  
SPG5052



### SOLDERING STAND WITH CLEANING BALL

The soldering stand can hold  
your soldering iron perfectly.  
And the brass sponge can  
clean your soldering iron tips  
while keeping it dry.

Code  
HT1509



### IRON TIP CLEANER

Metal bin with a metal alloy  
sponge. Clean tips without  
losing temperature and as  
a result, tips last longer.

Code  
H599B-02

#### REPLACEMENT WIRE

Metal Sponge

Code  
RW599



SOLDERING IRON NOT INCLUDED

### SOLDERING TIP WITH CLEANING BALL

Cleans your soldering iron tips  
with the brass sponge to keep  
it dry and prevent oxidation that  
forms on the tip.

Code  
RW1509



### SOLDER HOLDERS

#### SOLDER STAND + IRON HOLDER

Code  
HT1508

#### SOLDER REEL STAND

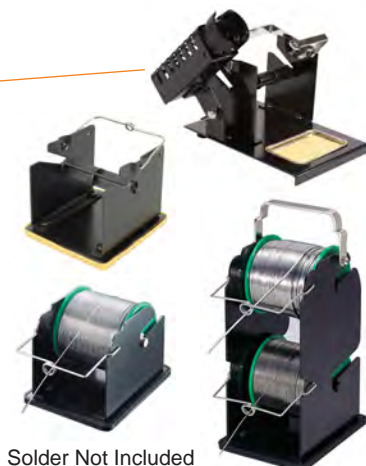
Code  
HT1504

#### HAKKO OEM REEL

Code  
HK611-1

#### HAKKO REEL DOUBLE

Code  
HK611-2



Solder Not Included

### IRON TIP CLEANING SPONGE

Formulated to suit soldering iron tip cleaning.

Size	Suit	Code
34x55mm	HTA5	SPG3455
50x52mm	HTA10	SPG5052
58x58mm	HK900	A1042
65x65mm	HK950	A1386



### MENDA FLUID DISPENSERS

Designed to be used with evaporative or  
dangerous fluids. Simply push down & a  
measured amount is transferred to the top  
to use as required. Made of high density  
polyethylene and is suitable for alcohol,  
ether, acetone, M.E.K, polish remover,  
flux remover, stripper, thinner, etc.,

Description	Code
Standard	MENDA612
Locking	MENDA712



### LIQUID DISPENSER BOTTLE

#### METERED AMOUNT - ESD SAFE

Designed to be used with evaporative or  
dangerous fluids. Simply push down & a  
measured amount is transferred to the top  
to use as required. Made of high density polyethylene  
and is suitable for alcohol, ether, acetone, M.E.K,  
polish remover, flux remover, stripper, thinner, etc.,

Size	Code
120ml	IPA-120
180ml	IPA-180



### SYRINGE BOTTLE - EMPTY

Squeeze to "eye drop". Suitable for non-volatile,  
flux, cleaner fluids, etc. Opaque plastic bottle  
Squeezable to inject Metal tip syringe top  
Supplied empty

Holds	Code
55ml	BOT55E



### FELT-TIP DISPENSER

Just like a felt tip pen! Supplied empty with a  
push-to-release flow tip. Re-usable, cleanable tip.  
Suitable for accurate dispensing of flux, etc.

Size	Code
140x14mm	PEN200

#### FLUX TO SUIT

Size	Code
55ml	BS550



### FLUX PEN

The flux pen features a fibre  
brush tip for accurate and  
reliable application of flux  
fluid for soldering application.  
It is refillable and reusable.  
Flux sold separately.

Code  
PEN201

#### FLUX TO SUIT

Size	Code
55ml	BS550







## Accessories

### FIBRE PCB TRACK CLEANING PEN

#### ABRASIVE ENAMEL PCB CLEANER

Clean PCBs at the track level eliminating micro-fractures and other general repair diagnosis and inspection. Removes enamel covering leaving the bare copper.

Code  
PEN220

#### REPLACEMENT TIPS

Code  
PRF221



### SOLDERING AID HAND TOOLS

Contains 6 double sided hand tools designed to help solder re-work professionally & quickly. Suitable for SMD, etc.

Code  
SA10



### SMD PICKUP TOOL

#### HAKKO ESD HAND TOOL

Helps lift & remove SMD ICs, etc. ESD Handle with Small wire.

Code  
B1438

#### REPLACEMENT WIRE

Type	Code
Small	B1439
Large	B1440



### CIRCUIT BOARD CLAMPING KIT

This handy tool allows you to hold various sizes of PC boards when soldering. Spring tension and screw lock. Fingers extend to a maximum of 200mm. Adjustable base for length and angles. It is light weight, and easy to use.

Code  
ZD-11E



### PANAVISE JR

Workbench assistant Made in the USA Kg Cast Iron base Reinforced fibre plastic fingers Jaws open 120mm Ball joint lock pivots & rotates Base bolts down "A helping hand"

Code  
PV201



### FLUX IN A BOTTLE

#### "NO CLEAN LIQUID FLUX"

Assists with soldering  
For refilling dispensers  
Solvent rosin activated  
Non-corrosive residues  
Non-hygroscopic residues (removes with saponifier)  
Tested MIL-STD-F14256

Size	Code
55ml	BS550



### SOLDERING PASTE [FLUX]

Paste in a metal tin  
Excellent solution for SMD Rework to General Heavy-Duty soldering work. Thick N pasty.

Weight	Code
100g	ZD170



### TIP TINNER

Ammonia free, mild strength, general purpose use tip tinner helps prevent flux build up and oxidation on soldering iron tips. The high strength tip tinner is used when soldering tip plating has oxidised and the whole tip has turned black making the tip unusable. Conveniently packaged in a round metal container with a double sided foam adhesive pad on the underside. Chemtools.

Type	Code
Mild Strength	CTTC1
High Strength	CTTC2



SOLDERING IRON NOT INCLUDED

### FLUX SYRINGE

#### SOLDERING FLUX

Resin paste flux Multi-core 450-01  
Rework SMD with this easy apply 10cc syringe. Contains resin. High grade quality.

Size	Code
10cc	FLX450



### PASTE WITH SOLDER

#### AIM NO-CLEAN SN63 293+

Excellent wetting alloy paste  
Suits airflow solder rework Easy applicator 30g syringe Mildly activated resin based 63% Tin / 37% Lead formula Suits standard air reflow Enhanced printing & stencil use with improved idle times Low residue. Aqueous cleaner. Premium Australian made.

Code  
293SN63







# Tools and Test Equipment

## Accessories

### HAKKO SMOKE ABSORBER

#### PROFESSIONAL GRADE FUME EXTRACTOR

Safe work environment. Remove toxic fumes, etc. Suitable for commercial use. Electrostatic-Safe. Low noise fan. Stands upright or low-profile flat. Replaceable Filter: Urethane foam with refined activated carbon filtering. Removes toxins & particles for a cleaner & safer working environment at 1M<sup>3</sup>/min. Premium grade unit. Quality Made Hakko. 165x215x115mm

Code  
FA400

#### EXTRA CARBON FILTERS

Order one to receive five.  
130mm<sup>2</sup> Carbon Filters.

Code  
A1001



### DUAL OUTLET SOLDER FUME EXTRACTOR

#### HAKKO FAN & FILTER UNIT

Removes 99.97% of Hazardous Fumes. Low Noise Level, Lightweight. Portable with Flexible Ducting. Long Life DC Brushless Motor. 3 Speed Air Flow Selector. 3 Stage Filtering, Pre-filter, Main and Carbon Filter. Led Indication, Pre-Filter and Main Filter Condition. Included: Main Unit, Pre-filter pkt of 10 and Main filter

Code  
FA430

Requires Nozzle:



#### DUCTING KIT RECTANGULAR NOZZLE

Code  
HK1571

#### DUCTING KIT ROUND NOZZLE

Code  
HK1572



### FUMINATOR - FUME EXTRACTOR

10cm Ultra-Quiet Fan with a two filter system. Activated carbon filter plus and a unique second rotating particle filter for a "8 times better filtering than a stationary only". Ultra-quiet in operation. Creates a safe and healthy working environment. Fully adjustable neck. Large 147mm metal base with solder holder. Premium grade made in the USA.

Code  
XF11

#### DUAL CARBON FILTER SYSTEM With Rotating Particle Filter



Made In USA

#### REPLACEMENT FILTERS X5

Ø	Code
88mmØ	XF02
92mmØ	XF03

## Solder

### LEAD-FREE SOLDER

Made from a patented formula alloy that is environmentally friendly and without harmful toxins. Also uses a natural rosin core flux. Use lead-free solder and look after the environment and yourself! Melts 227°C. No performance loss.

Ø	Weight	Code
.3mm	200g	LFS203
.3mm	500g	LFS503
.5mm	200g	LFS205
.5mm	500g	LFS505
.7mm	200g	LFS207
.7mm	500g	LFS507
1mm	200g	LFS210
1mm	500g	LFS510



#### SOLDER PENCIL 17g 17g of 1.0mm solder.

Code  
LFS171



### GENERAL PURPOSE 60/40 SOLDER ROSIN CORE

Cored Solder Wire is specially designed with low residue, chlorine content less than 0.1%, flux content 2.0%+0.5 for Hand/Automatic soldering applications assembly.

Size	Roll	Code
0.5mm	100g	RS105
0.8mm	200g	RS208
0.8mm	500g	RS508
1.0mm	200g	RS210
1.0mm	500g	RS510



#### SOLDER PENCIL 17g Resin cored solder in handy dispenser.

Code  
RS171



### SMD REMOVAL KIT

#### LOW TEMPERATURE SOLDER

Kit includes enough solder for about 8 to 10 removals. Patented formula solder for Low Temperature Soldering offers less stress on delicate devices and due to a longer molten time, makes work easy. Economical solution compared to Air Blow Rework Stations.

Code  
SMD1



### SILVER CONDUCTIVE PAINT

Dries to leave a conductive path. Suit PCB repair & connections to non-solderable materials, repairs rear demisters, etc. Excellent adhesion & conduction properties. Simply paint on!

Size	Code
3g Phial	SCP03B







## Desoldering

### DESOLDERING BRAID CHEM-WIK® LITE

Quality Desoldering Braid Manufactured in USA

Width	Length	ID Colour	Code
1.3	1.5M	Yellow	CHEM5-5L
2.0	1.5M	Green	CHEM7-5L
2.5	1.5M	Blue	CHEM10-5L
1.3	7.6M	Yellow	CHEM5-25L
2.0	7.6M	Green	CHEM7-25L
2.5	7.6M	Blue	CHEM10-25L



### DESOLDERING BRAID SODER-WICK®

Quality Desoldering Braid manufactured in USA

Width	Length	ID Colour	Code
1.5mm	1.5M	Yellow	SOD50-2-5
2mm	1.5M	Green	SOD50-3-5
3mm	1.5M	Blue	SOD50-4-5
1.5mm	7.6M	Yellow	SOD50-2-25
2mm	7.6M	Green	SOD50-3-25
3mm	7.6M	Blue	SOD50-4-25



### DESOLDERING BRAID HAKKO-WICK®

HAKKO® Made in the USA

Width	Length	Code
0.6mm	1.5M	HAK100
0.9mm	1.5M	HAK101
1.5mm	1.5M	HAK102
2.0mm	1.5M	HAK103
2.5mm	1.5M	HAK104
3.0mm	1.5M	HAK105
1.5mm	30M	HAK302
2.0mm	30M	HAK303
2.5mm	30M	HAK304



### DESOLDERING BRAID GOOT-WICK®

Width	Length	Code
1.5mm	1.5M	STW1.5
2.0mm	1.5M	STW2
3.0mm	1.5M	STW3
3.5mm	1.5M	STW3.5



### DISPENSER WICK - GOOT-WICK®

HOT TIP PROTECTED

Windback dispenser. 2M Wick.  
Save fingers. Metal tipped nose.  
Gootwick made in Japan quality

Width	Length	Code
2mm	2.0M	SSB2
3mm	2.0M	SSB3



### COPPER WICK - NO BRAND

Width	Size	Code
2.5mm	1.5M	CW5



### EDSYN SOLDAPULLT ORIGINAL ES SUCKER

Popular original USA, Metal barrel. Lightweight. 250mm.

Code  
SS350



#### REPLACEMENT TIP

Code  
LS363

#### O RING

Code  
OS130

### SOLDER-SUCKER DESOLDERING TOOL

For general PCB desoldering work. 230mm length.

Code  
SS104



#### REPLACEMENT TIP

Code  
SRT104

#### O RING

Code  
ODS100

### EDSYN SOLDAPULLT ORIGINAL ES SUCKER

Heavy duty original USA safety sucker. 330mm Long

Code  
DS017LS



#### REPLACEMENT TIP

Code  
SRT12

#### O RING

Code  
ODS31

#### ANTI-STATIC TIP

Code  
LS197

### ESD DESOLDERING TOOL

Heavy-duty PCB desoldering. 330mm long. Large capacity.  
Teflon tip. Safety plunger. China.

Code  
SS108

#### TIP

Code  
SRT108

#### O RING

Code  
ODS100



### DESOLDERING TOOL "O" RING LUBRICANT

Ensure correct action just like new with  
better suction and reduced solder sticking.

Code  
OL111







# Tools and Test Equipment

## ESD Mats & Kits

### ESD FIELD SERVICE KIT

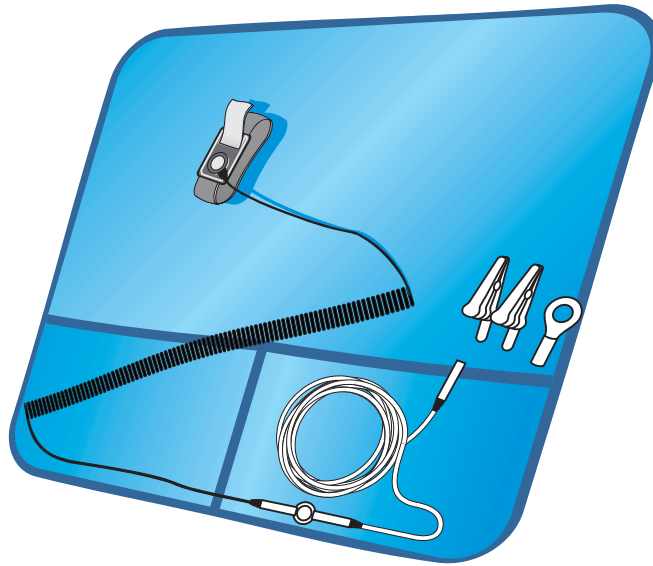
#### PORTABLE SOLUTION FOR REPAIRERS

The tough, long lasting work mat 600 x 600mm with storage pockets and accessories.

Folds easily for transportation.

This field service kit comprises of one mat, a 5 Metre earth lead, and a Wrist band with 2 Metre cord. Durable, non-rip, portable ESD rework station for protecting the operator and equipment during re-work, etc.

Code  
ASK110



### ESD MAT & WRIST STRAP

#### DESKTOP ESD MAT SOLUTION

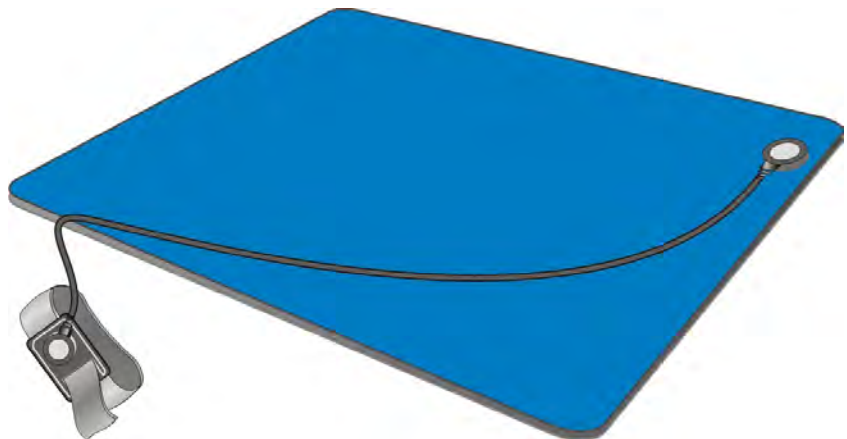
Thick, durable high grade mat. Non slip blue-grey rubber ensures the mat and appliance will not move inadvertently. High quality construction. Chemical & heat resistant. Includes wrist strap.

#### STANDARD 400 x 600mm

Code  
ASK120

#### LARGER 600 x 1000mm

Code  
ASK160



### ESD MAT BULK

#### STATIC DISSIPATIVE MAT 10M

As used in the ASK120 / 160 2 Layer Static Dissipative High grade synthetic rubber. Non-slip, Non-tear, Anti-glare, Chemical, heat and abrasion resistant structured surface. Excellent desktop and bench workshop fit solution. Save. EOS/ESD-#4.1 EIA-625 MIL-HDBK263 STD-1686

Size  
60cm x 10M

Code  
ASM610



Stud Connection Lead  
As Shown is Optional  
Not Included





## ESD Accessories

### ESD ELASTIC WRIST BAND

#### SOFT CLOTH TYPE

Fully adjustable with extra operator comfort. Made up of super conductive fibre. Conductive metal threads provides maximum skin contact. Built in protective 1MΩ resistor and press stud. Includes a 3M coil cord terminates to a banana plug with alligator clip. Connects to ESD mats or chassis, etc



#### Code

ASW115

### ESD GROUNDING SOCKETS

#### ESD CONTROL

ESD grounding socket with easy mounting. Two button fastener and two 4mm banana sockets.

#### Code

ELET-601



### ESD WRIST BAND

Fully adjustable with extra operator comfort. Conductive metal threads provides maximum skin contact. Built in protective 1MΩ resistor and press stud. Includes a 3M coil cord terminates to a banana plug with alligator clip. Connects to ESD mats or chassis, etc



#### Code

ASW117

### ESD GROUNDING CORD

Grounding cord for ESD mats and wrist bands. 10mm moulded metal stud with Easy mount metal claw. 2M cord with banana and alligator clip. Built in 1MΩ provides safe and reliable ground for personnel at work.

#### Code

ELET-606



### ESD HEEL STRAP

Conductive ribbon shoe grounding system to accommodate all sorts of footwear using fully adjustable straps. Connection is made via the tough black conductive rubber under the heel and a comfortable conductive cloth strap that is simply tucked into your sock. 1MΩ resistor is in the loop for safety. Convenience. Requires floor ESD mat



#### Code

ASH120

### ESD MAT GROUNDING

Benchtop ESD mat solution. 10mm female snap for stud with metal claw mount. 2M long. Built-in 1MΩ. Accepts 2x 4mm banana. Ring Lug at the other end for easy attachment to ESD ground

#### Code

ELET-608



### ESD EARTH PLUG

Suitable for eliminating Electro-Static from units during repair, earthing a work bench, etc. Approved. Green.

#### Code

ACP463AS



### ESD MAT GROUNDING

#### MALE STUD & SCREW

10mm snap for ground cord. Screws. No crimp required.

#### Code

ASM10



STUD ONLY  
Mat Not Included

#### COMMON GROUND CORD

Benchtop ESD mat solution. 10mm female snap for stud. 4.5M long. Built-in 1MΩ. Accepts 2x 4mm banana plugs.

#### Code

ASG452



LEAD & CONNECTOR  
Mat Not Included





# Tools and Test Equipment

## □ Test & Measure

## □ Signal & Pattern Generators

### MULTISYSTEM TV PATTERN GENERATOR

- Fourteen test patterns; Circle, 8-step Grey Scale, 16-step Grey Scale, Colour Bar, Multiburst, Colour Difference R-Y, B-Y, Moving white Field, White Pattern, Checkerboard, Crosshatch, Dots, Centre Cross, and Purity Patterns.
- Over 100 test patterns are available through the combination of 14 patterns.
- Multiburst pattern comprises full screen definition pattern of 8 vertical bars
- Frequencies of 0.1-1.8-2.8-3.0-3.4-3.8-4.8 MHz.
- Four speeds for the Moving White Field for testing fast motion picture.
- Multi-system output: NTSC 3.58, 4.43, PAL, PAL M, PAL N, and SECAM.
- Output: Composite video, Y/C Separation, Colour Difference Y, R-Y, B-Y.

Code  
LPM55



### HDMI PATTERN GENERATOR

Tool for evaluation testing of displays/panels. Up to 4095 types of video testing signals. Supports audio testing with built-in sine wave, external analog audio, and external digital audio input through S/PDIF. Control is simple yet comprehensive with on-panel buttons or remote controller to select from the timings, patterns, colour spaces, HDMI 1080p output, DVI output VGA to UXGA 60Hz. Bundled Windows® software application to perform advanced control timing/pattern programming, EDID reading/writing.

- Provides total 39 Timings and 39 Patterns
- Supports HDCP signal verification pattern (P39)
- On-panel LED display and LED indicators
- Remote control and RS-232 control

Output Code  
HDMI V1.2 CPHD-1

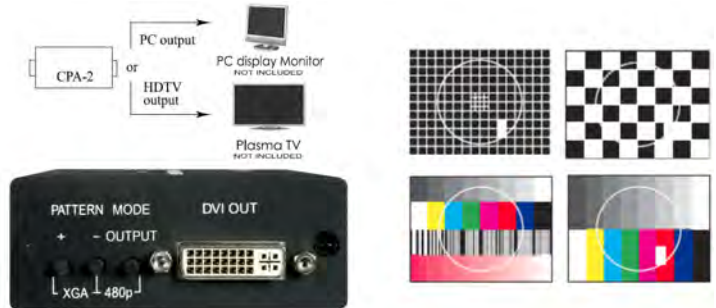


### PC & HDTV DIGITAL & ANALOGUE PATTERN GENERATOR

#### DVI INTEGRATED - DIGITAL & VGA SIGNALS

27 Test patterns selectable by OSD for monitor testing.  
Digital only output DVI-D. Refresh 50, 60, 72, 75, 85Hz.  
VGA to S-XGA 1280x1024 Res HDTV 480p 576p 720p 1080i  
Compact metal cabinet for portability or desktop.  
DVI Connector & Lead inc. Powerpack Inc.  
Suits LCD & Plasma Monitors or projectors.  
Excellent solution for installation & repairs, etc.

Output Code  
DVI-D CPA-2



### VIDEO PATTERN GENERATOR DIGITAL MOTION

#### HDMI WITH MOTION BLOCK

This is a wide variety of PC and HD pattern for stable test signals.  
Use the keypad or remote control to select patterns and timing.

- On-panel LED display and LED indicators and Remote control.
- HDMI v1.2, HDCP1.1 and DVI1.0 compliant 1.65Gbps
- PC Mode: VGA60, SVGA60, XGA60, SXGA60, UXGA60, WUXGA60.
- HD Mode: 576p-50, 480p-60, 720p-50/60, 1080i-50/60, 1080p-50/60.
- Output Signal: DVI / HDMI / Auto Detect.
- 8 Groups with 36 patterns. With Motion block.
- Audio: Internal 1 kHz Sine 48kHz Multiple Ch (up to 8)
- HDCP Verify. EDID support: VESA EDID v1.3 and EIA/CEA 861 V3.

Output Code  
HDMI 1.2 CPA-4



[www.cypress.com.tw](http://www.cypress.com.tw)

#### FOR MORE INFORMATION SEE OUR WEB SITE

We stock an extensive range of Cypress product solutions for Audio and Visual conversion, manipulation and control. See their web site for further details...



**CYP**  
CYPRESS TECHNOLOGY







## HDMI EDID EMULATOR

### TRUE HD 1080p

The CED-1M is designed to allow the adjustment of HDMI/ DVI EDID information that is provided to a source device by a connected display so that it may output the correct video/audio signal. With AV equipment testing, the unit's learning function allows the user to Read and Write the EDID to the system. It also supports EDID Emulation and Bypass modes.

Code  
CED-1M



## HDMI EDID/CEC SELECTOR

### TRUE HD 1080p

The EDID/CEC Selector allows anyone to set up a firm EDID and CEC between a source and display. It's also easy for you to change your settings, simply choose your options like: internal/external power and EDID auto setting.

Code  
CED-S11



## HDMI CABLE TESTER

The compact HDMI cable tester is designed for checking and troubleshooting HDMI cables. Useful for checking for faults with cables or inwall installations. All pins tested base-unit to Base-unit, plus a cable tracer receiver for checking installed cables.

Code  
CT81028



## 3D MINI HDMI ANALYZER

### HDMI SOURCE ANALYZER

The Mini HDMI™ 3D Analyzer is the perfect hand-held tool for checking both source (Blu-ray or DVD players) and display devices (TV or monitors). With touch button controls and built-in OLED display, the unit can report the status and information of both the input and output devices connected to it via HDMI. The Mini Analyzer can be used to analyze the input source device info-frame and output sink device EDID. It also has a built-in pattern generator that can be used to test the capabilities of the display device including 3D and resolution/timing support.

Output Code  
HDMI 3D CH-A1



## AUDIO SIGNAL GENERATOR

### 20Hz to 150KHz <0.3% THD SINE WAVE OR SQUARE OUTPUT

A highly useful pocket sized signal generator for on-site servicing of audio equipment or for service bench use. Generates sine and square waveforms in 46 preset frequencies from 20Hz to 150kHz in two ranges (x1 and x100). Adjustable amplitude up to 8V peak to peak on square wave or 1.2V RMS on sine wave. Output impedance 600Ω for direct driving most audio equipment eg amplifiers, mixers etc. Also features a Sync output for triggering an oscilloscope. Includes test leads. Requires 9V battery (not supplied). A must have piece of test equipment for mobile audio techs, installers or engineers!

- 20Hz to 150kHz in 46 presets
- Sine or square wave output
- Adjustable amplitude
- Oscilloscope sync output
- Compact size
- Includes test leads

Code  
SG1542



## VCR Test Tapes

### VCR TEST TAPES

#### SEE-THROUGH CASSETTE

Dummy tape for VCR

Code  
VID5041



#### GP VHS TEST TAPE

Colour bar.

Code  
VID50



#### PRECISION VHS TAPE

Master copy. Premium Q.

Code  
VID70







# Tools and Test Equipment

## Television and Monitor

### DEGAUSSING WAND

This powerful wand does the job right the first time, every time. Manufactured in Australia and it plugs straight into 240V.

Code  
XT8150



### L.O.P.T. TESTER

This handy instrument will simulate the horizontal output section of a TV to accurately test LOPT's and Diode Split Flyback Transformers. 90 & 110°. By connecting two leads to the primary and monitoring the HV lead output, a reading in Kilovolts is given.

An LED will alert to any problem and a fault code will appear on the display to confirm your diagnosis. A fully professional unit, comes with instructions and the Diemen CD-ROM cross-reference for pin outs, etc.

Code  
STVDST01



### LCD BACK LIGHT TESTER FOR CCFL LAMPS

Make servicing large LCD TV's and monitors easier and faster using the new DIEMEN's CCFL Lamp Analyser. Test the panel-mounted lamp without having to dismantle the entire PANEL and without having to unplug the different connectors that are interacting between the inverter plate and lamps. The Analyser will then indicate whether the Lamp is faulty and needs replacing or if the LAMP is working or other fault in most cases the inverter board will be the cause of the fault and needs to be replaced. Includes 12V DC power supply.

Code  
TL1040

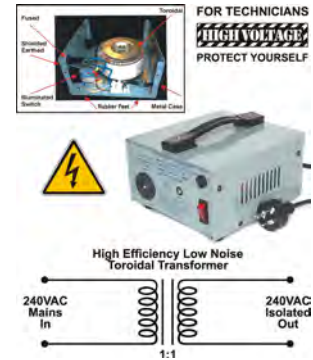


## Isolation Transformers

### POWER MAINS ISOLATOR

Isolation transformer for protecting yourself from the 240Vac mains. Ideal for TV repair of live chassis units. Allows connection of CROs to equipment. Essential for the technicians bay.

Current	Code
1 AMP	TDB240-240
2 AMP	TDB240-500



### VARIAC

#### AUTOTRANSFORMER

Not an isolation type!  
If repairing Live Chassis An isolation transformer should be used for safety. Variable mains transformer. Outputs 0Vac to 260Vac. Maximum power is 500V/A. Toroidal transformer with mechanical wiper that will vary the AC Voltage output. Includes fuse and switch. Includes voltage meter. Input/output mains lead.

Current	Code
2A	MP3080



### HIGH VOLTAGE PROBE

Allows voltages up to 40KV to be measured. Its main purpose is to measure the anode voltage of picture tubes or microwave oven magnetrons, etc. Input impedance 1 GigaOhm (Approx.) Output impedance 1.1 MegaOhm. Meter should be 10M input at least.  
Max V 40KVdc, 40KVac, 28KVrms.  
Accuracy 1KV - 20KVdc  $\pm 1\%$   
20KV - 40KVdc  $\pm 2\%$   
1KV - 15KVrms  $\pm 2\%$   
15KV - 28KVrms  $\pm 3\%$   
1000:1 Ratio.

Code  
HV40



## Computer

### USB VOLTAGE & CURRENT TESTER

This USB voltage and current tester can be used to measure power consumption of the USB interface, mobile phone charger, flash disk and other products. The current and voltage is displayed on an easy to read digital display by cycling through voltage then current drawn.

Code  
USB231



### COMPUTER POWER CHECK

#### PC ATX TESTER LED

20/24 Pin for checking mainboard power and also tests 5/3" 4 pin SATA, AGP sources

Code  
CPSTEST



#### PC ATX TESTER LCD

20/24 Pin for checking mainboard power and also tests 5/3" 4 pin SATA, AGP sources too. Comprehensive display 5V 12V1&2 5VSB 3.3V & P.G. (Power Good ms)

Code  
CPSTLCD







## □ Signal Strength

### SATELLITE FINDER

#### DAICHI

Connects inline with the cable.  
Has 2 x "F" connector sockets.  
Frequency range 900MHz-2.3GHz.  
LNB Gain 52-60dB. DC13-18V

Code  
SAT2100



### DIGITAL SATELLITE SIGNAL FINDER

#### PORTABLE DIGITAL SATELLITE SIGNAL FINDER

Designed to Find any AURORA, VAST or Optus C1 & D3 (button selected). Satellite meter is powered via external power supply or set top box. F connector to connect the signal cable. Audible beeper. LED Display for Signal Strength & Quality.

Code  
SQ702



### DVB-T TERRESTRIAL METER

#### ANALOGUE & DIGITAL

Optimize test and measurement of complete Digital and Analogue television reception systems. Useful in the field or a laboratory, from antenna alignment through MATV systems to broadcast. Includes tools PC Software for exemplary graphical and operational functions.

- Modulation Error Ratio (MER & Noise Margin) total quality quantification
- BIT Error Ratio (BER) after Viterbi corrector
- Damaged packet count, after Reed-Solomon corrector
- Constellation diagram, a powerful relative signal evaluation tool
- Lock signal sync - status indicates service found
- Digital channel signal level in channel power
- Analogue channel video and audio carrier levels
- Vision to audio and carrier to noise ratios
- Li-Ion battery provides up to 3 hours of autonomy
- Data logging and extensive PC functionality

Code  
DAT103

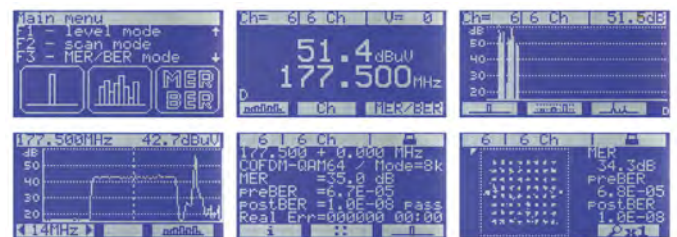


### TV SIGNAL STRENGTH METER

#### TV SIGNAL FINDER

Digital TV signal strength Finder. Powered by 9V batteries (not included) or via set top box. LED display to indicate the strength. F connector to connect the signal cable. Built in amplifier compensates insertion loss. Pocket size and lightweight. Suitable for analogue and digital application.

Code  
AITVF



### VSWR & POWER METER

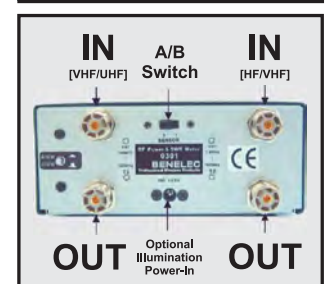
#### 1.8MHz-525MHz 200W max.

Semi-Professional full featured instrument with large scale meter display. Measures SWR and POWER for optimum antenna tuning, etc. Peak-Envelope-Power SSB Mode or Average. Transmitted & Reflected Power, switched. Requires 12Vdc (DC lead inc.) or Optional 240V PowerPack. Two pair of PL259 connections for 1.8MHz - 180MHz & 140MHz - 525MHz. Power 5W 20W 200W Ranges 50W 1GL 1Bz 50F. 150x65x100mm. Benelec 0301

Code  
VSWR0301



### BENELEC







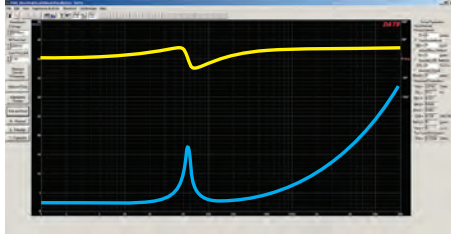
# Tools and Test Equipment

## Audio

### DAYTON AUDIO TEST SYSTEM DATS-V2

#### SPEAKER DRIVER PARAMETER ANALYSIS

The most complete and easy-to-use audio test system toolkit yet! Dayton Audio's DATS-V2 is a powerful, versatile measurement and analysis device—use it and build better loudspeaker systems!



- Compact USB interface with alligator test leads for easy setup and application
- No microphone required. All measurements done across the speaker terminals
- Simple calibration procedure for accurate speaker parameter measurements
- Software signal generator with selectable waveform, frequency, and amplitude
- Sine, square, triangle, saw tooth, impulse, pink noise, and log sweeps
- Oscilloscope with dual traces and adjustable time and amplitude scales
- Data can be printed or saved to create a driver parameter library
- Parameters can be exported to WinSpeakerz and other popular box design programs
- Measures Vas using added mass, test box, SPL method, or calculate from specified Mmd
- Straight forward, easy-to-use measurement software for the DIY speaker builder
- Operates on Windows® 98 to Windows® 10 with a USB 2.0 port. Software included.

Code  
DATS-V2

<http://www.daytonaudio.com/index.php/dats-dayton-audio-test-system.html>  
[http://www.parts-express.com/videos/video.cfm?Video\\_ID=596](http://www.parts-express.com/videos/video.cfm?Video_ID=596)  
<https://www.trueaudio.com/dats/>

**DATS V2**  
Dayton Audio Test System



SPEAKER  
NOT  
INCLUDED



PC & SPEAKER NOT INCLUDED



DATS V2 Dayton Audio Test System

- Measures driver parameters or R, L, and C values in just seconds
- Easy and affordable way to design test and build better loudspeakers

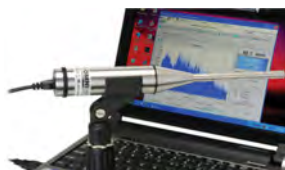
### DAYTON OMNIMIC-V2

#### INCLUDES EXCLUSIVE SOFTWARE

Dayton Audio's OmniMic V2 was developed in collaboration with Liberty Instruments, inventors of the Praxis analysis tool. Powerful, versatile, yet easy to use, the OmniMic V2 will become an indispensable part of your audio toolbox—whether for testing individual speaker components or entire in-place audio systems of every description. The OmniMic V2 provides quick and accurate measurements that will reduce installation time, saving you both labour and money. The OmniMic V2's test signals may be initiated from the host computer, or from any audio CD player. System includes calibrated USB microphone, rubberized mic clip, software and test signal discs, 6 ft. USB 2.0 cable, desktop tripod stand, and carrying case. Compatible with Windows® XP, Vista®, Windows® 7, and Windows® 8.

- Updated software and improved hardware
- Compact, portable, accurate, affordable
- Intuitive software—open the box, start testing in minutes
- Perfect for setting up home theatre systems
- Optimized for use with netbooks and laptops
- Accurate response down to 5 Hz, fully calibrated, includes FRD file
- For professionals and hobbyists—design and tune speaker systems and arrays

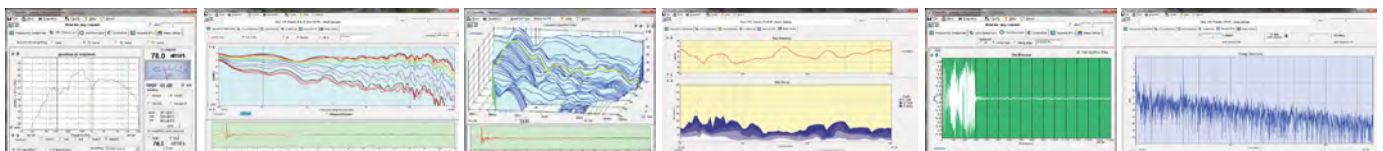
Code  
OMNIMICV2



LAPTOP NOT INCLUDED



**OMNIMIC V2**  
SYSTEM







## DAYTON CALIBRATED MICROPHONE - USB

### CONNECTS TO MAC OR PC

- Precision condenser microphone for critical measurement and recording applications
- Connects to your PC or Mac via USB port
- True omnidirectional pattern and calibrated flat frequency response
- Rugged construction with high-quality components
- Compact design; includes sturdy carrying case with foam insert
- Compatible with most industry-standard measurement software

Code  
UMM6



## DAYTON CALIBRATED MICROPHONE - XLR

### REQUIRES PHANTOM POWER

The Dayton Audio EMM-6 precision electret condenser microphone is designed for measurement and critical recording applications where extremely flat frequency response and a true omni-directional polar pattern is a must for accuracy.

- Perfect for use with room acoustic analyzers and audio measurement systems with analogue XLR input
- Low noise FET input reduces low-frequency distortion
- Gold-plated XLR connector balanced output
- High-quality components and rugged construction
- Includes its own unique calibration response graph
- Includes stand mount, foam windscreen, and case
- Works with phantom power from +15V to +48V

Code  
EMM6

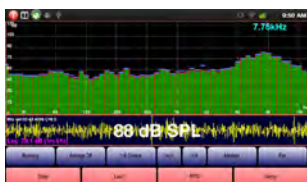


## DAYTON CALIBRATED MICROPHONE - 3.5MM

### FOR IPHONE® IPAD® AND ANDROID TABLETS

- Turn an iPad®, iPhone®, or iPod® touch into a laboratory grade audio measurement device with a calibrated measurement microphone.
- Do a search in your favorite Apps store for compatible software. Excellent solution for room calibration, speaker analysis for installers, PA, roadies, hobbyists.

Code  
IMM6



Software not included. See Android or Apple App stores.

## LUTRON SOUND LEVEL METER

### LUTRON PROFESSIONAL CALIBRATED

This unit is designed to meet IEC 61672 Class 2 testing standards. A premium audio level instrument Precision calibrated (Certified). With A & C Weighting (Filter), Fast/Slow time response with Hold. Camera stand mount socket. Includes a plastic carrying case.

- Frequency & time weighting meet IEC 61672 class 2.
- A and C weighting, fast/slow time weighting
- Max. hold and Data hold
- Reset button for Max. hold.
- 30~80dB, 50~100dB, 80~130dB
- Large 3½ Digit LCD Numeric Display
- 3.5mm audio output to analyzer, etc.
- Size : 250 x 83 x 32 mm.

Code  
SL4011



## PHASE-IT SPEAKER POLARITY TESTER

[www.phase-it.com](http://www.phase-it.com)

- Fast and efficient tool for verifying the polarity of loudspeakers
- Works perfectly with individual drive units and with individual drivers in a multi-way boxed speaker system
- Clear indication of each drivers polarity and function for fast troubleshooting
- Auto power off for long lasting battery time

Code  
PHASE-IT

Made in Denmark.  
Metal hand wand  
160x30x20mm



## BOSCH INDUCTION LOOP TESTER

The Plena inductive loop receiver is a compact, portable device intended to receive the field from an inductive loop for assistive listening device users. It can be used to monitor the field strength and quality of the inductive loop system.

- Monitoring of an inductive loop system
- Quick check of field strength
- Earphones included
- Requires two AAA

Code  
PLN-ILR



HEARING LOOP INSTALLED  
Switch hearing aid to T-coil







# Tools and Test Equipment

## □ Scale Weight

### 600g DIGITAL SCALE

#### AUTO CALIBRATION CAPABILITY

Highly accurate and precision digital scale, the art of measurement with five digit (including annunciator) back light display. Auto calibration capability. Auto power off. Exclusive microprocessor LSI-circuit, high reliability. Durable & portable housing plastic case.

- 600g measuring capacity with 0.1 g resolution.
- High precision Load Cell Transducer.
- LSI-circuit exclusive microprocessor.
- Full capacity tare function capability.
- Net weight, gross weight display.
- With counting scale function.
- Auto calibration capability.
- Gram or pound display.

Code  
GM-600G



### 3KG DIGITAL SCALE

#### EXCLUSIVE LSI-CIRCUIT

Highly accurate and precision digital scale, the art of measurement with five digit (including annunciator) back light display. Auto calibration capability. Auto power off function. Exclusive microprocessor LSI-circuit, high reliability. Durable & portable housing plastic case.

- 3000g measuring capacity with 1g resolution.
- High precision LOAD CELL transducer.
- Use exclusive LSI-circuit microprocessor.
- Full capacity tare function capability.
- Net weight, gross weight display.
- With counting scale function.
- Auto calibration capability.
- Gram or pound display.
- Back light LCD display.

Code  
GM-3KG



### 5KG DIGITAL SCALE

#### 5 DIGIT DISPLAY FOR 1g RESOLUTION

Highly accurate heavy-duty digital scale with five digit. Back light display. Auto calibration at power-on. Auto power off function. Exclusive microprocessor LSI-circuit. High reliability. Durable metal platter. Battery powered or DC 9V adaptor power supply (Not included).

- Microprocessor circuit with high accuracy & better performance.
- High resolution & wide measuring capacity, 5,000 g x 1 g.
- Large LCD display, 18 mm ( 0.7" ) digit size, easy read out.
- Gram or Oz display unit, select by the internal slide switch.
- Built-in self calibration system, high precision.
- Heavy duty ABS housing plastic case.
- Load cell Transducer.

Code  
GM-5001



**LIT** Lutron

### 5KG DIGITAL SCALE RS232

#### RS232 INTERFACE

Highly accurate heavy-duty digital scale with five digit. Back light display. Auto calibration at power-on. Auto power off function. Exclusive microprocessor LSI-circuit. High reliability. Durable metal platter. Battery powered or DC 9V adaptor power supply (Not included).

- Microprocessor circuit with high accuracy & better performance.
- High resolution & wide measuring capacity, 5,000g x 1g.
- Large LCD display, 18 mm ( 0.7" ) digit size, easy read out.
- Gram or Oz display unit, select by the internal slide switch.
- Built-in self calibration system, high precision.
- Heavy duty ABS housing plastic case.
- With computer serial data output.
- Data Bus RS-232 serial output, 9600 baud rate.
- Exclusive Microprocessor LSI circuit.

Code  
GM-5000



**LIT** Lutron





## Miscellaneous

### EMF TESTER

#### ELECTROMAGNETIC FIELD RADIATION TESTER

The EMF tester is a quick, convenient reliable way to determine EMF radiation levels from electrical equipment, power lines, monitors, industrial machines, etc. Measurement ranges 20 $\mu$  200 $\mu$  2000 $\mu$  Tesla, max resolution of 10pT ( 10 milli-Gause ). Also known as EMR (ElectroMagnetic Radiation) For specifics on exposure levels please enquire with the EPA ([www.epa.nsw.gov.au](http://www.epa.nsw.gov.au)) or Radiation Protection Agency ([www.arpana.gov.au](http://www.arpana.gov.au)). AU Recommended "Home 100 $\mu$ T" and "Work 500 $\mu$ T". Two styles of meter available. 9V Bat' Req'.

#### BUILT IN SENSOR

Place the head of the meter on or at the radiation source.

Code  
EMF823



#### EXTERNAL PROBE

Same meter but with a directional probe.

Code  
EMF827

### MICROWAVE LEAKAGE MONITOR

Detect and measure 2450MHz microwave leaks from door seals, etc. 3 Digit 0 to 9.99mW/cm<sup>2</sup> with a 5mW/cm<sup>2</sup> alarm. +/-1dB accuracy. 160x60x42mm hand-held instrument. Max-Hold. Zero set. Back light. Includes protective carry pouch. Requires 9V battery.

Code  
DT2G



### MOISTURE DETECTOR

#### 2 IN 1 MOISTURE DETECTOR (WOOD AND BUILDING MATERIAL)

An Unique product to measure the moisture in Building material.  
Measuring range wood : 5%-50%.  
Measuring Range Building Material : 5%-33%.  
Audible Sound with 8 different Tones level.  
Hold Switch : Freeze/Hold the reading.  
Operating Voltage : 9V DC Alkaline Battery (Not Included).  
Big LCD display.  
Low Battery indicator.  
Reading: 1.5% - 50%.  
Resolution: 0.1%.  
Accuracy:  $\pm$ 3%.

Code  
MS-98J



### LIGHT METER + TYPE K/J THERMOMETER

#### SD CARD, REAL TIME DATA LOGGER

After measuring your data, just take out the SD card from the meter and plug it into the computer, it can down load all the measured values with the time information (year/month/date/hour/minute/second ) to the Excel© file directly, then the user can make further Data or graphic analysis by themselves. Sampling from 1 second to 1 Hour.

- 3 ranges, 2,000/20,000/100,000 LUX.
- LUX & Foot Candle unit selection with default.
- Auto range for light measurement.
- Spectrum of photo sensor meets C.I.E..
- Light measurement with zero adjustment by push button.
- Separate probe, easy for operation
- Type K, Type J thermocouple thermometer.
- RS232/USB PC COMPUTER interface.
- Real time SD memory card Datalogger.
- Manual datalogger is available.
- Requires SD card, capacity recommended 16GB (Not Included).
- LCD with green light backlight
- Data hold, record max. and min.
- LSI Micro processor circuit
- Powered AA x 6 batteries or
- DC 9V adaptor (Not included).

Code  
LX-1128SD



### DIGITAL PANEL METER

#### 18mm LED RED FOUR DIGIT DISPLAY

Mini 4 digit LED display panel meter.  
Small size with quick mounting.  
3 readings per second sampling rate.  
5V DC operating voltage.  
Size: 79 x 42.5 x 25mm.



#### DC VOLTAGE METER

Range	Code
0-50V DC	DPM100
0-100V DC	DPM101

#### DC AMP METER

Range	Code
0-5A	DPM200
0-10A	DPM201







# Tools and Test Equipment

## Temperature

### FOUR CHANNEL THERMOMETER

#### SD CARD, REAL TIME DATA LOGGER

Displays up to four temperatures simultaneously. Real time SD memory card Datalogger, and Calendar, with sampling time setting from 1 second to 1Hr. Computer is not need to setup extra software, after execute datalogger, just take away the SD card from the meter and plug the SD card into the computer, it can down load all the measured values with the time information ( year/month/date/hour/minute/second ) to the Excel® file then the user can make use of the data for graphic analysis by themselves.

- Type K/J/T/E/R/S, Pt 100 ohm, measurement with 4 display.
- Show 4 channels display on the LCD at the same time.
- Offset adjustment for the Type K/J/T/E/R/S measurement.
- Auto temp. compensation for type K/J/T/E/R/S thermometer.
- Real time SD memory card Datalogger.
- RS232/USB PC COMPUTER interface.
- Offset adjustment for the Pt 100 measurement.
- Can default auto power off or manual power off.
- Linear Compensation for the full range.
- Pt 100 ohm : -199.9 to 850.0 °C.
- °C (0.1 degree) / °F (1 degree).
- Type K : -100 to 1300 °C (Optional).
- Type J : -100 to 1200 °C (Optional).

#### Code

TM-947SD

Requires Temperature sensors (up to 4) and SD card (for data logging function).

REQUIRES  
TEMPERATURE  
PROBES



SD CARD NOT INCLUDED



### SINGLE CHANNEL THERMOMETER

Single channel thermocouple digital thermometer offers a wide testable temperature range and high accuracy, and it is suitable for use with the K/J/R/E/T thermocouple probe types. The digital thermometer has the ability to hold temperature, and calculate relative difference between measurements. With an optional RS232 or USB cable, it can export the measurement data to a computer.

- Large and easy to read 51x30mm LCD
- Measure can be displayed in °C and °F
- Temperature range depends on the type of thermocouple sensor (sold separately)
- in general, it is from -50°C to up to 1300°C.
- High accuracy of 0.1° / 1° resolution
- Optional cable and software to transfer measurement records to PC
- Power by a 9V battery (Not included)

#### Code

TM-926

REQUIRES  
TYPE-K  
PROBES

SOFTWARE &  
DATA CABLE  
OPTIONAL EXTRA



### TWO CHANNEL THERMOMETER

This measuring instrument, with the addition of one or two temperature probes, allows the display and recording of temperature as well as the differential temperature between the two connected thermocouple probes. Measured data can be transferred from the unit to a computer using the optional cables and software. Supplied with heavy duty carry case. The thermocouple/s is required to operate.

- Easy to read LCD display (44 x 29mm)
- Three display mode: T1 only , T1 and T2, T1 minus T2 (Differential)
- Compatible with Type-K thermocouples
- Measure temperature in °C or °F
- Temperature Range: -100 to 1300°C
- High accuracy of 0.1° / 1° resolution
- Manual and auto data logging to save measurements
- Optional cable and software to transfer measurement records to PC (Not Included)
- Heavy duty case (included)
- DC 9V battery (Not included)
- or power adaptor (Not included)

#### Code

TM-925

REQUIRES  
TYPE-K  
PROBES

SOFTWARE &  
DATA CABLE  
OPTIONAL EXTRA



#### USB DATA CABLE

This cable connects the 3.5mm output socket on the meter to the USB terminal on your computer in order to transfer data between your meter and the computer.

#### Code

USB-01



#### RS232 DATA CABLE

Connect your meter's output 3.5mm to your computer's COM port (9 pin D connector). This cable is an isolated (photo couple) interface cable.

#### Code

UPCB-02



#### DATA ACQUISITION SOFTWARE

Log, record and transfer data from your meter with this windows® software.

#### Code

SWU801WIN

SOFTWARE &  
DATA CABLE  
OPTIONAL EXTRA







## -40°C TO 250°C TYPE K THERMOCOUPLE SENSOR

Ultra fast response naked-bead thermocouple suitable for general purpose Type-K Temperature readings.

Code  
TP01



## -50°C TO 400°C TYPE K SURFACE PROBE

Highly accurate Type K thermocouple probe for temperature range -50°C to 400°C  $\pm 0.75\%$  (+0.5°C) accuracy.  $\varnothing 15 \times 120 \text{mm}$ .

Code  
TP-04



## -50°C TO 900°C TYPE K THERMOCOUPLE PROBE

Highly accurate & ultra compact, type K thermocouple probe for temperature range -50°C to 900°C with  $\pm 0.75\%$  accuracy. Size  $\varnothing 3.2 \times 100 \text{mm}$ .

Code  
TP-02A



## -50°C TO 1200°C TYPE K THERMOCOUPLE PROBE

Highly accurate & precise, type K thermocouple probe for temperature range -50°C to 1200°C with  $\pm 0.4\%$  accuracy. Probe head size  $\varnothing 8 \times 120 \text{mm}$  with 100mm long handle.

Code  
TP-03



## PROBE THERMOMETER

### HANDHELD DIGITAL THERMOMETER

Type K thermocouple is embedded in the unit ready to use. High accuracy measurement which displays temperature to 0.1°C, IP67 waterproof protection, pocket size, and easy to use. The meter has been calibrated by equipment to ensure high accuracy measurement using the ISO9001 standard. Professional grade. Not for medical purposes. Comes with a tough carry case.

- Type K thermocouple embedded in the probe tip
- Measure temperature in °C or °F
- Temperature Range: 0 to 50°C
- High accuracy of 0.1° / 1° resolution
- IP67 water proof and protection
- Easy to read LCD display (28 x 19mm)
- Data hold mode to freeze the display
- Auto power off save battery life
- 4x AAA battery (Not included)

Code  
PTM816



## INFRARED THERMOMETER

### WITH SAFETY RED LIGHT TARGET GUIDE

Using Infrared wireless technology, this non-contact thermometer can be used to measure the surface area temperature of a target region. The meter has been calibrated to ensure high accuracy to the ISO9001 standard. Supplied with leather case, operational manual, emissivity table. Available with an LED or more accurate Laser spot indicator.

- Range: -30 to 305°C
- Measure in °C or °F
- 0.5° resolution
- Distance factor: D/S
- Trigger with data hold
- Backlight LCD (29 x 33mm)
- Shows temp & emissivity
- LED or Laser target guide
- DC 9V Batt. (Not included)

Type Code  
LED TM-956  
Laser TM-958



## INFRARED THERMOMETER - PRO

### SUITABLE FOR HIGH TEMPERATURE APPLICATIONS

This 2 IN 1 IR thermometer allows user to measure temperature in two ways. It can take measurements using the IR sensor, or the user can attach a Type K thermocouple (sold separately) to the unit to get measurements from it. The dual laser feature gives the user better control for targeting. High 50:1 Distance to Spot ratio. The meter has been calibrated by equipment to ensure high accuracy measurement using the ISO9001 standard. Supplied with a rugged carry case, and 2x AAA batteries, operational manual, emissivity table. An optional thermocouple probe is required if the user wants to use the thermocouple to take temperature measurements.

- Range: -60 to 1000°C (IR), -64 to 1400°C (Type K Sensor)
- Measure °C/°F with Min, Max, Differential, Average mode
- High accuracy of 0.1 / 1° temperature resolution
- Distance factor: D/S: ~ 50:1 (D - Distance, S - Spot)
- Dual laser shows spot size for better targeting
- Easy to operate - Push button, release with data hold.
- Backlight LCD display (31 x 43mm)
- High/Low Temperature alarm
- Powered by 2x AAA battery (included with this package)

Code  
TM-969



The thermocouple probe is optional and sold separately





# Tools and Test Equipment

## Multimeters Lutron

### LUTRON MULTI-METERS



www.lutron-electronic.com

Lutron is an ISO-9001 approved company and was founded in 1976 and has grown to become the leading manufacturer of Test and Measuring Instruments of Taiwan. Various approved and pending patents in Taiwan, Germany, USA, China, etc. make Lutron a World-Class manufacturer. Exportation to more than 65 countries, Lutron's reputation for stable, durable and reliable products is renowned world-wide. A professional instruments manufacturer with a comprehensive product range at a competitive price.

### GENERAL PURPOSE COMPACT METER

DCV: (1M $\Omega$ /2/20/200/600V  $\pm$ 0.8%  
ACV: (450k $\Omega$ )200/600V  $\pm$ 1.2%  
AC/DCI:2m/20m/200m/2A  $\pm$ 1.5%  
OHMS: 200/2k/20k/200k/2M/20M $\Omega$   $\pm$ 1%  
Diode test Full NPN/PNP hFE  
measure 2.5mA power consumption  
Size: 120x72x37mm



#### DEPENDABLY RELIABLE

Although this meter is small and inexpensive, the features, accuracy & durability are that of a quality full sized meter. Includes DC and AC current with 2 Amp range (protected) 20M $\Omega$ , Diode and hFE. Ideal for use as a second meter for the tool box etc. With Test leads, etc. Fits in your pocket. 3½ Digit 12mm Display.

Code  
DM9020



### DIGITAL CAPACITANCE METER

LSI-circuit allows high reliability and durability. Accuracy is provided from a crystal time base and fast sampling. Overall a precision instrument in portable form. 3.5 digit. Optional carry case available. CA03. Rubber holster. DMPH01.

RANGES:  
200pF 0.1pF  $\pm$ 0.5%  
2nF 1pF  $\pm$ 0.5%  
20nF 10pF  $\pm$ 0.5%  
200nF 100pF  $\pm$ 0.5%  
2uF 1000pF  $\pm$ 0.5%  
20uF 0.01uF  $\pm$ 0.5%  
200uF 0.1uF  $\pm$ 0.5%  
2000uF 1uF  $\pm$ 1.0%  
20,000uF 10uF  $\pm$ 2.0%

Code  
DM9023



### RUBBER PROTECTIVE HOLSTER SUIT DM9027T, 9680, 9080, 9090

Code  
DMPH01



### 3.5 DIGIT MULTIMETER

This Multimeter offers everything for today's technician. Including 10M $\Omega$  in, hFE, up to 20 amp AC/DC current, Large 18mm LCD, beep continuity, frequency, capacitance, temperature, V protection & rugged construction. Safety lead system compatible. Yellow in colour. hFE test leads, Temp probe & Rubber holster are optional extras. DCV (+/- 0.8%) 200mV to 600V ACV (+/- 1.0%) 200mV to 600V DCI (+/- 1.0%) 200uA to 10A ACI (+/- 1.2%) 200uA to 10A Resistance 200 $\Omega$  to 20M $\Omega$  Capacitance 2nF to 20uF Frequency 200Hz to 20KHz Temperature -20 to 750°C and 0 to 1400°F (Optional) HFE and DIODE TEST

Code  
DM9090



### TEMPERATURE PROBE

Code  
TP01



### 3.5 DIGIT MULTIMETER

This accurate measuring instrument is modern in design & functions. Many features include 10M input, hFE, up to 20 amp AC/DC current, diode test, large 18mm LCD Display, over V protection and rugged compact construction makes this multimeter a valuable instrument. Safety lead system compatible. Yellow colour. Carry case, hFE test lead & rubber holster optional. RANGES; DCV (+/- 0.8%) 200mV to 1000V ACV (+/- 1.0%) 200mV to 750V DCI (+/- 1.0%) 200uA to 10A ACI (+/- 1.2%) 200uA to 10A Resistance 200 to 20M HFE and DIODE TEST

Code  
DM9080



### TRUE RMS 4½ DIGIT MULTIMETER

28 Range with a large display. Bench-top-meter performance. Housed in a tough yellow casing. 15mm LCD  $\pm$ 19999 display. 10M $\Omega$  Sample time 0.4~sec. DCV:0.2/2/20/200/1000  $\pm$ 0.1% ACV:0.2/2/20/200/750  $\pm$ 0.8% Current:0.2/2/20/200mA (Fused) +10A  $\pm$ 0.5-2% (True RMS AC Tested at 50Hz)  $\Omega$ :200/2k/20k/2M/20M $\Omega$   $\pm$ 0.5-0.8% Diode check (100uV res.) Continuity buzzer (<250 $\Omega$ ) Transistor NPN/PNP 0-1000 hFE Data hold Switch. Self test & zero.

Code  
DM9027T







## Multimeters Lutron

### DIGITAL LCR MULTIMETER - LUTRON

#### INDUCTANCE, CAPACITANCE, AND RESISTANCE

Intelligent microprocessor circuit, professional instrument.  
19999 and 1999 counts dual LCD display + bargraph.  
Auto LCR smart check and measurement.  
L : 200.00 uH to 2000.0 H (1.0-1.5%)  
C : 2000.0 pF to 2.000 mF (1.0-2.0%)  
R : 20.000 ohm to 200.0M ohm (0.8-1.5%)  
Series/Parallel modes are selectable.  
Five test frequencies are available :  
100/120/1K/10K/100KHz  
Ls/Lp/Cs/Cp with D/Q/ESR Parameter.  
LCD Display with backlight.  
Alligator test leads included.  
DC 9V battery required.

Code  
LCR9183



#### HIGH-SPEC MODEL

L : 200.00 uH to 2000.0 H (0.5-1.0%)  
C : 2000.0 pF to 2.000 mF (0.5-1.0%)  
R : 20.000 ohm to 200.0M ohm (0.5-1.0%)

Code  
LCR-9184



#### ACCESSORIES

Description	Code
SMD Probe	SMDC21
SMD Clips	SMDA-22
RS232 Data Cable	UPCB-02
USB Data Cable	USB-01
Windows Software	SWU801WIN
Rubber Holster	DMPH03
Carry Case	CA03



### RS232 MULTIMETER

#### WITH PC SOFTWARE

Looks and operates like a normal multi-meter, but is actually a computer to technician interface!

The included CD-Rom (Windows®) gives you the power of expensive data-logging equipment. Data is sampled (System Sample Rate 2s to 3600s) and stored in a popular database format for easy external application uses. Viewable on screen in digital, analogue and time graph formats. Excellent for intermittent faults, research, development, remote monitoring, or just as a general purpose meter. Includes attache' Case, software, D9 com lead, etc.

Code  
DM9680



### AUTO RANGE BAR GRAPH MULTIMETER

#### 3200 DISPLAY COUNT 4 DIGIT

32 Segment Bar-Graph  
Fast change display  
housed in a tough yellow casing with safety test leads & auto power off.  
Sample time 0.5 sec for the digits AND Sample time 0.1 sec bar graph display. Ultra low power consumption (0.6mA) Range hold and Data hold buttons. Size 170x80x30mm DCV, ACV, DCA, ACA,  $\Omega$ , hFE, Diode/Continuity ranges.  
Auto or Manual ranges:  
320 $\mu$ A-320mA +10A  
320mV-750VAC/1000VDC  
320 $\Omega$ -32M $\Omega$

Code  
DM9092



## Multimeters Other

### UNI-T DIGITAL MULTIMETER

#### INDUSTRIAL GRADE $\pm 0.5\%$

32 Range Auto-Off  
Highly accurate Typically  $\pm 0.5\%$   
Voltage 1KVdc 750Vac  
Iac/dc 20A (1 $\mu$ A)  
Resistance 200M $\Omega$  (0.1 $\Omega$ )  
Capacitance 20 $\mu$ F (2pF)  
Frequency 20KHz (1Hz)  
HFE Diode Continuity  
Over sized LCD 27mm  
Large Extra rugged  
Rubber boot surround  
190 x 88 x 34mm  
Safety probes Inc.

Code  
UT54







# Tools and Test Equipment

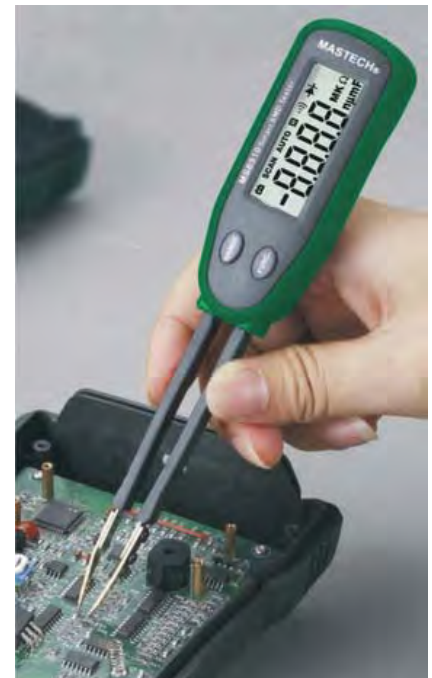
## □ Multimeters Mastech

### MASTECH SMART SMD TESTER

#### TWEEZER RESISTANCE, CAPACITANCE & DIODE MEASUREMENT

The Smart SMD tester is used to measure SMD chip type components including resistors, capacitors and semiconductors (diodes and transistors). The tester can also check continuity. The Auto-Scan-Function detects the type of device automatically and auto ranges to give you a measurement. Includes 2 spare gold-plated test pins, battery, manual and a storage case.

- Auto Scanning Mode with Auto Range
- 3000 counts large LCD Display
- Overload protection
- Data hold function
- Low battery indicator
- Auto Power Off
- Resistance measurement range:  
300Ω/ 3KΩ/ 30KΩ/ 300KΩ/ 3MΩ/ 30MΩ  
(Accuracy:  $\pm 1\%$  rdg +2,  $\pm 1.2\%$  rdg +2 for 30MΩ)
- Capacitance measurement range:  
3nF/30nF/300nF/3uF/30uF (Accuracy:  $\pm 2.5\%$  rdg +3),  
300uF, 3mF, 30mF (Accuracy:  $\pm 3\%$  rdg +3)
- Diode test: 2.7V
- Continuity buzzer ( $< 30\Omega$ )
- Power supply: 1x 3V CR2032 battery (included)
- 175mm long. No voltage or current measurement.



Code  
MS8910

**MASTECH®**

### MASTECH AC VOLT & METAL DETECTOR

The non-contact AC voltage and metal detector senses AC voltage in sockets, walls, etc. Also traces electric wires and metal embedded in the wall. The detector is designed to international safety standards. Sound and light indications. Battery and manual included. Pocket sized.

- AC voltage range 20V to 600V AC 50 to 500Hz.
- Designed to international safety standards.
- Conform with: EN61010-1 / 600V CAT III / 1000V CAT II
- Green LED: Metal detection (distance  $< 30\text{mm}$ )
- Red LED: Voltage Detection (adjustable sensitivity)
- Low battery indication. Auto power off.
- Pocket Size: 20x160mm
- 1x A23S alkaline battery included



Code  
MS8902B

**MASTECH®**

### MASTECH AUTO-RANGING DIGITAL PEN MULTIMETER

#### EXCELLENT IN-FIELD ON-HAND SOLUTION

This compact multimeter is a portable professional measuring instrument with an easy to read LCD and a simple to use mode switch controlling the operation to take measurements. The meter measures AC/DC voltage, resistance, diode test, continuity test, and it has Non-Contact Voltage detection, overload protection, auto power off, data hold, max hold and low battery indicator.

This meter is ideal for use in-field, workshop, school and home applications. The package includes a carry case, 2x 1.5V AAA batteries, a test probe with protective cap plus another 4mm lead with detachable alligator clip.

- Pen-type design with twist-end to Retract Tip
- Built-in non contact voltage detector with sensitivity adjustment
- Auto-range and manual range AC/DC voltage and Resistance
- Diode check and audible continuity test
- With data hold and max hold features.
- 2000 counts 20mm LCD Display.
- DC Voltage 200mV/2V/20V/200V/600V (Accuracy:  $\pm 0.7\%$  rdg +2)
- AC Voltage 200mV/2V/20V/200V (Accuracy:  $\pm 0.8\%$  rdg +3),
- AC Voltage 600V (Accuracy:  $\pm 1\%$  rdg +3)
- Resistance 200Ω - 20MΩ (Accuracy:  $\pm 1\%$ )
- Diode test: 2.7V. Continuity buzzer  $< 50\Omega$
- Safety probe plus 4mm lead with alligator clip attachment
- 2x1.5 AAA battery, carry case and instructions included.
- Compact 208x38x29mm.



Code  
MS8211

**MASTECH®**





## MASTECH POCKET SIZE DIGITAL MULTIMETER

This handheld digital multimeter allows the user to test voltage, current, resistance, temperature. The meter also features data hold, continuity buzzer, battery tester and transistor hfe. It is RoHS compliant; CAT III 600V approved. This package includes a 9V battery, test probes with protective cap and a hFE adaptor.

- Display: 2000 counts (updates 2-3/sec)
- Manual Range
- Auto Power Off
- Data hold
- Diode: 2.8V
- Continuity Buzzer: <50Ω
- Low Battery Display
- Transistor hFE: 0~1000

Code  
MS8321A



## MASTECH POCKET SIZE DIGITAL MULTIMETER

### MANUAL RANGE WITH FREQUENCY AND TEMPERATURE

This pocket size digital multimeter allows the user to test voltage, current, resistance, temperature and continuity. The meter also features non-contact voltage detection, data hold and back light to assist with the measurement. It is RoHS compliant; CE ETL CAT II 600V approved. 9V battery, test probes with protective cap and a K-type thermocouple are included. Soft plastic boot protects from drops and bumps.

- Pocket size only 140x67x30mm 112g
- Test AC/DC voltage and resistance
- Test DC current up to 10 amps
- Non contact voltage detection LED indicator <30mm
- Diode check 2.7V and continuity test <50 Ohm
- With data hold and back light buttons
- 2000 counts LCD Display.
- DC Voltage 200mV/2V/20V/200V (Accuracy:  $\pm 0.5\%$  rdg +3), 600V (Accuracy:  $\pm 0.8\%$  rdg +5)
- AC Voltage 200V/600V (Accuracy:  $\pm 1.2\%$  rdg +10)
- DC Current 200μA/2mA/20mA/200mA (Accuracy:  $\pm 1\%$  rdg +3), 10A (Accuracy:  $\pm 3\%$  rdg +5)
- Resistance 200Ω - 20MΩ ( $\pm 0.8\%$  rdg +4)
- K Thermocouple -20°C to 1000°C ( $\pm 2\%$  rdg +2) °C/°F

Code  
MS8233C

**MASTECH**®



## MASTECH DIGITAL MULTIMETER

### PLUS TEMPERATURE CAPACITANCE & TRANSISTOR

This full-featured multimeter allows the user to test voltage, DC & AC current, resistance, frequency, capacitance, temperature, transistor gain, diode and continuity. The meter also features overload protection, data hold, auto power off, low battery display. It is RoHS compliant; CE ETL CAT II 600V approved. Includes 9V battery, component adaptor, a K-type thermocouple and safety test probes. The case is protected by an outer bump skin that has an in-built stand and can hold or store the probes.

- Test AC/DC voltage and resistance
- Test AC/DC current up to 10 Amps
- Test capacitance, frequency and temperature
- Diode check and continuity test with audible buzzer
- hFE transistor gain measurement with component adaptor included
- Capacitance: 2nF/20nF/200nF/2μF (Accuracy:  $\pm 4\%$  rdg +3), 100μF (Accuracy:  $\pm 6\%$  rdg +10)
- Temperature: -20°C to 1000°C (Accuracy:  $\pm 2\%$  rdg +2)
- Frequency: 10Hz - 20kHz (Accuracy:  $\pm 2\%$  rdg +5)
- Transistor hFE Gain measurement

Code  
MY74CE10

**MASTECH**®







# Tools and Test Equipment

## Multimeters Meterman

### METERMAN - AMPROBE - TEST EQUIPMENT

The Wavetek USA Meterman product line has now merged with Amprobe.

Amprobe, a well-known name in test equipment, offers all the products you used to know as Meterman plus its own full line of test equipment.

We stock a range of meters for their outstanding quality, reliability and accuracy, for the technician who demands total confidence from a measurement device.

All meters include "Safety" leads. Each multimeter has full function voltage, current and resistance, but also offer additional functions important to trouble shooting the electronics you work with.

[www.amprobe.com](http://www.amprobe.com)



### LARGE DURABLE MULTI-METER CASE

#### PROFESSIONAL GRADE

Heavy-duty construction. Tough nylon material. Tear proof protection. Double lined and padded. Adjustable hand strap. Meter Leads compartment. Meter & Leads not included. Easily holds 100x40x200mm for Small medium or Large meters.

Size	Code
200x100x40mm	CA05A



#### OTHER METER CASES

Size	Code
135x65x25mm	CA04
190x90x50mm	CA03

### AMPROBE POCKET DIGITAL MULTIMETER

Large 0.7" 3.5 digit display  
Meterman XP Series combine features and accuracy CAT-III safety rating  
2000 Count auto-ranging  
Magne-Grip holster  
Built-In Non-Contact Voltage detection!  
Input warning beeper  
Safety test leads  
Continuity beeper  
17 ranges inc. Diode test.  
DCV(+/-0.8%) 200mV to 1000V  
ACV(+/-1.2%) up to 500V  
DCI(+/-1.2%) 200uA to 2A  
And Resistance 200Ω to 2MΩ  
155x72x32mm

Code  
DM5XP



### TRU-RMS PROFESSIONAL DMM - LCR

10,000 count 4 digit backlit display with analogue bar graph. Includes rubber holster, hanging strap, safety leads, etc. Full manual/auto-range. Peak hold, min max avg. Excellent component & logic test instrument. Field, factory or workshop. Relative and dBm ranges for easy CCT analysis. CMOS/TTL Logic test. DCV (±0.25%) 1000V ACV True-RMS 750V ACI/DCI 10A Ω (+/- 0.5%) 1KΩ-40MΩ Frequency 10MHz Capacitance 40nF - 400μF Inductance 4mH - 40H Continuity & Diode test. Pro Grade from Meterman CAT-III, CAT-IV rated.

Code  
DM37XR



### AMPROBE WITH LOGIC & ACI RANGES

Large 0.7" 3.5 digit display  
Warning & continuity beeper Meterman XP Series combine features and accuracy CAT-III safety rating 2000 Count auto-ranging Magne-Grip holster  
**Built-In Non-Contact Voltage detection!**  
Safety test leads. logic probe, Diode test, AC/DC Current 29 ranges inc. DCV(+/-0.5%) 200mV to 1000V ACV(+/-1.0%) 200mV to 750V AC/DCI(+/-1.2%) 200uA to 2A Resistance 200Ω to 2000MΩ  
155x72x32mm

Code  
DM15XP



### TRU-RMS INDUSTRIAL DMM - RS232

10,000 count 4 digit backlit display with analogue bar graph. Inc. rubber holster, hanging strap, etc. A truly professional meter. Full manual/auto-range. Peak hold, min max avg. DCV (±0.25%) 1000V ACV True-RMS 750V ACI/DCI 10A 4-20mA Loop-I with % Temp' -20°C-1300°C (+/-0.5%) 1KΩ - 40MΩ Frequency 10MHz Capacitance 400μF Continuity & Diode test. CAT-III, CAT-IV rated.

Code  
DM38XR

**OPTIONAL RS232 INTERFACE**  
PC Interface with software.

Code  
38SW







## Amprobe Meterman Tools

### METERMAN MINI-MULTIMETER

#### INDUSTRIAL GRADE 4 DIGIT 6000 COUNT

CAT-III rated Pocket compact  
10mm thick mini-meter from the best.  
4 Digit Auto-Range full featured.  
6000 Count updates 5 times a second.  
One button function control.  
AutoTect: Fully automatic. Protected.  
VolTect: Non-contact high voltage detector for added personal safety.  
Supplied with protective silicone boot & carry case. Leads attached.  
The most advanced convenience in metering available today.

Measures:

AC/DC Volts (600V)  
AC/DC current (2A)  
Capacitance 2000 $\mu$ F  
Frequency 30KHz  
Resist. Diode. Buzz.

Code  
PM55



## Other Multimeters

### MEGA-OHM INSULATION TESTER

Made by Kyoritsu.  
Analogue insulation & continuity tester. Dust & splash proof knock resistant case. Three test ranges: 250V / 100M ohm 500V / 200M ohm 1000V / 400M ohm. Continuity test 3 ohm & 500 ohm. Audible live circuit indication. Overload protected. Meets all regulatory requirements. (CE, IEE, IEC, VDE, etc.) Compact, convenient, competent instrument. 106 x 160 x 72mm Includes leads.

Code  
ICT3132



### ANALOGUE MULTIMETER

Traditional meter with total protection and a patented design perfectly fit for use in the work shop, DIY at home, education, amateur or hobbies.

- 80x60mm Large scale analogue meter
- Reflective parallax strip
- Stand Rack Attached For Reading Easily
- Taut Band Movement with unique feature to absorb vibration and non-friction to avoid the distortion of accuracy and a long-term life time.

Code  
DEM960



### PEN DIGITAL MULTIMETER

#### PROFESSIONAL GRADE TOOL BY KYORITSU

Compact in Size, Light in Weight, Simple in Use and Full Featured!  
Double molding provides comfortable with good feeling in your hand.  
Built-In LED Penlight illuminates brightly the point to be measured.  
Backlight LCD display is highly visible, switchable for power save.  
Economical design & Auto power-off function saves the battery life.  
Unique wrapping mechanism for test lead in the rear side compartment.  
Unique retractable probe for tip protection mechanism and safety.  
EVERY range is fully protected against overload voltage of 600V.  
Conforms to International safety standards IEC61010-1:2001 CAT-III.  
4000 Count For digit display shows a maximum reading of 3999.  
Autorange with manual select over-ride. Data hold for away reading.  
Includes Voltage (600Vac/dc) Ohms, Diode, Continuity buzzer, Capacitance (50n-100 $\mu$ F), Frequency (5Hz-200KHz), Duty Cycle (0.1%-99.9%), Battery status indicator, 190x40x30mm 100g (Inc Bat.)

Code  
KEW1030







# Tools and Test Equipment

## Multimeters AC Clamp

### 300A ACA CLAMP METER ANALOGUE

#### KEW SNAP - KYORITSU

Easy to use and dependable, this instrument is designed to incorporate as many safety priorities as possible. Features a clamp meter that measures AC current 3A to 300A. Includes Safety leads for measuring ACV (Up to 600V), DCV (60V) and Resistance. Tear drop shaped jaws for use in crowded cable areas. Easy to read analogue display with locking feature to freeze needle for no-parallax reading. Very sturdy plastic case with a heavy-duty hard protective pouch. 20cm overall length. Requires 1x AA battery. Fuse protected. High quality for years of reliable service.

Code

CM2608



**KYORITSU**



### 600A ACA CLAMP METER DIGITAL

#### KEW SNAP - KYORITSU

Easy to use and dependable, this instrument is designed to be safe and practical. This professional clamp meter. AC Current 0.1A to 600A. 40 to 1000Hz with high accuracy. Includes Safety leads for measuring ACV (Up to 600V), Continuity and Resistance. Tear drop shaped jaws for use in crowded cable areas. Easy to read 3.5 digit display with Data Hold feature to freeze the display for easy reading. Sturdy plastic case with a protective pouch. 22cm overall length. Fuse protected. High quality for years of reliable service.

Code

CM2017



**KYORITSU**



### 1000A DCA/ACA CLAMP METER

#### FULLY AUTO AC/DC, RESISTANCE WITH Hz & CAPACITANCE

Lutron CM-6146 Clamp On "Smart" Ammeter 1000 Amp AC or DC - "Smart" measurements automatically detects AC or DC Values when measuring Current or Voltage.

- "Smart" measurement up to 1000 Amps AC/DC
- 32mm Jaw Opening (Tip)
- "Smart" measurement of 1000 Volts AC/DC
- Cat III 1000V CAT IV 600V
- Resistance, Continuity, Frequency, Capacitance
- Data Hold
- Backlit Display

Code

CM-6146



### 600A DCA/ACA MINI CLAMP METER

- High power 600Aac and 400Adc with extra ranges for an excellent all-purpose meter.
- Wide ranges clamp on current measurement both for ACA & DCA. Data hold button.
- Measurement for ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Continuity beeper.
- Design meet IEC 1010 CATIII 600V safety requirement.
- Overload protection circuit is provided for all ranges.
- LSI circuit provides high reliability and durability.
- Pocket & slim housing case, easy carryout.
- 4000 counts, Auto range & multi-functions.
- Compact & heavy duty ABS housing .
- Water resistance for the front panel.

Code

CM9940



### 2000A DCA/ACA CLAMP+DMM

#### EXTRA HIGH POWER PROFESSIONAL TRUE RMS

- 2 in 1 Deluxe unit with clamp meter + Digital multimeter.
- Meet IEC 1010 CATIII 1000V safety requirement.
- True rms reading for ACV & ACA measurement.
- 4000 counts, Auto range, multi-functions for ACA, DCA, ACV, DCV, Ohms, Capacitance.
- Hz, Diode, Duty cycle and continuity check.
- LSI circuit provides high reliability and durability.
- 2KAac and 400Adc clamp on current ranges
- 4 ranges (400 uA, 4000 uA, 40 mA, 400 mA )
- Direct current input measurement both for ACA & DCA.
- Overload protection circuit is provided for all ranges.
- Data hold, Relative key, Back light.

Code

CM9930







## □ Meter Accessories

### RESISTANCE DECADE BOX

**1 ohm step in slide switches.**  
**1 ohm to 11,111,110 ohm.(11MΩ)**  
 Professional, easy to use,  
 convenient desktop case. Suit  
 experimenters, testing and  
 repair. 4mm binding posts.  
 Simply add/subtract to value.  
 Size 147x117x51mm Yellow ABS.  
 Resistors are 1% 300mW +0.3Ω.

Code  
 RBOX408



### DIGITAL MULTIMETER CARRY CASE

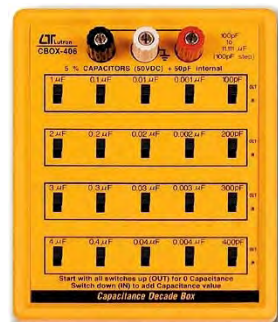
Size	Code
135x65x25mm	CA04
190x90x50mm	CA03



### CAPACITANCE DECADE BOX

**100pF to 11,111μF**  
**100pF per step.**  
 Professional, easy to use,  
 convenient desktop case.  
 Education, maintenance, and  
 repair. 4mm binding posts.  
 Simply add/subtract to value.  
 Size 147x117x51mm Yellow ABS.  
 Capacitors are 5% 50Vdc +50pF.

Code  
 CBOX406



### DIGITAL MULTIMETER PROTECTIVE HOLDER

Manufactured specifically for our Lutron Meter  
 range but will also suit similar.  
 Multimeter size Approximately  
 180x85x35mm with rounded edges.

DM9023  
 DM9027T  
 DM9073  
 DM9080  
 DM9090  
 DM9680

Code  
 DMPH01



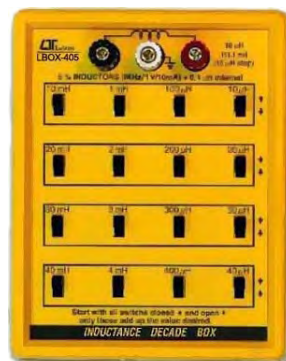
**SUITS LUTRON LCR9183/4**  
 193x88x41mm.

Code  
 DMPH03

### INDUCTANCE DECADE BOX

**10μH step**  
**10μH to 111.1mH**  
 Professional, easy to use,  
 convenient desktop case.  
 Production line, research,  
 laboratory. 4mm binding posts.  
 Simply add/subtract to value.  
 Size 147x117x51mm Yellow ABS.  
 Values are ±5% at 1KHz/1V/10mA.

Code  
 LBOX405



### LARGE DURABLE WAVETEK CASE

#### PROFESSIONAL GRADE

Heavy-duty construction  
 Tough nylon material Tear  
 proof protection Double  
 lined and padded

Adjustable hand strap  
 Meter Leads compartment  
 Meter & Leads not included

Easily holds 100x40x200mm  
 Small medium or Large meter

Code  
 CA05A



Meter Not Included.





# Tools and Test Equipment

## Appliance AC Mains Test

### PORTABLE APPLIANCE TESTER KYORITSU

As part of the OHS laws in Australia (that may vary between states) it is required to regularly check power cables, power boards and appliances such as electric power tools, microwave ovens, plug-in air conditioners, toasters, vacuum cleaners, computers, etc. to ensure that the equipment is electrically safe. The Kyoritsu 6201A is hand-held portable appliance tester that ensures the Safety of Class I and Class II appliances and power leads for Leakage Current. A large LCD displays the mains voltage, plus other functions. 4 LED indicators and buzzer sound identifies if each test has passed or failed. Fuse protected. Includes Mains cord, Test lead with safety alligator clip / probe attachments & Extension lead test cable. Pass / Fail Stickers Not Included. See Below.

Code  
AT6201



#### PASS / FAIL STICKERS

On completion of each test of the appliance / cable it is required to be labelled with a PASS or FAIL sticker that is filled in with identification details. Buy 1 to receive 250.

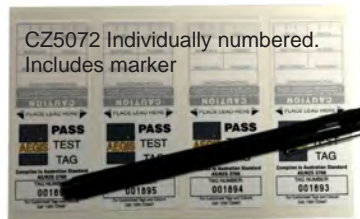
Description	QTY	Code
Aegis Fail Tags	50	CZ5073
Aegis Pass Tags	100	CZ5072
Generic Pass	250	PASS-TAGS
Coloured Pass	96	TAG96

#### PASS TAGS

Description	QTY	Code
Aegis Pass Tags	100	CZ5072
Generic Pass	250	PASS-TAGS



Generic Pass Tags



#### TEST TAGS COLOUR ID

##### NEXT TEST COLOUR CODED

Description	QTY	Code
Coloured Pass	96	TAG96



#### FAIL TAGS

##### DO NOT USE !! DANGER !!

For those rare occasions that an appliance actually fails the test, you will require these FAIL TAGS!

Description	QTY	Code
Aegis Fail Tags	50	CZ5073



#### AGIS LOG BOOK

Code  
CZ5074





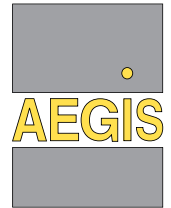


## PORTABLE APPLIANCE TESTER KIT - AEGIS

### Class 1 & 2 Approved

Earth bond and insulation tester. Australian designed and manufactured for testing electrical appliances to power electrical safety Standards of AS/NZS 3760. Single button testing. Compact, portable, drop & Weather Proof IP67. Two in one kit includes famous Patrol battery powered portable appliance tester features with an earth leakage tester. Includes Leads, etc. Mains or battery operated. 235x190x135mm. 6x "AA" inc.

Code  
CZ5001



**KIT WITH  
EARTH  
LEAKAGE  
TESTER**

## PORTABLE APPLIANCE TESTER AEGIS

### Class 1 & 2 Approved

Earth bond and insulation tester. Australian designed and manufactured for testing electrical appliances to power electrical safety Standards of AS/NZS 3760. Compact, portable, drop & Weather Proof. Includes Leads, etc. Battery operated portable. 235x190x110mm. 6x "AA" inc.

Code  
CZ5000



- Does your business comply with the Australian and New Zealand Standard **AS/NZS 3760** Electrical Safety?
- Are your electrical appliances tested and tagged on a regular basis?
- Fully Portable Battery Operated
- Drop Proof
- Weather Proof (IP67)
- Compact with all Leads and accessories, including a set of Test Tags, housed in the instrument case.

### OPTIONAL LOG BOOK

Code  
CZ5074

### EXTRA TEST TAGS

Code  
CZ5072

### FAIL STICKERS

Code  
CZ5073



## RCD TESTER UNI-T

RCDs (Residual Current Devices) are designed and specified to protect people and equipment from the danger of electrical faults. Due to their inherent 'safety' nature, RCDs need to be tested on a regular basis to ensure their correct operation. The CZ20053 is a fully featured digital RCD tester that provides electricians with all the features required to test and ensure correct functionality of RCDs. Multiple trip current ranges, 0° & 180° phase testing, and high accuracy ensure testing is complete. The tests performed are all that is required for determining compliance to AS/NZS3760:2010 for PAT testing requirements. Includes Test Lead & Carry Case. 160x100x71mm

- Operational Voltage (Freq) 195VAC - 253VAC (50Hz)
- Test Current 10mA, 20mA, 30mA, 100mA, 300mA, 500mA ± (2% +8 dig)
- Current Multipliers x 1/2, x 1, x 5
- Trip Time Ranges 40 - 3000ms (varies with Current/Multiplier) ± (0.6% +4 dig)
- Trip Time Resolution 1ms
- Auto Ramp 10mA/30mA/100mA/300mA/500mA ± (2% +8 dig)
- Data Hold
- Weight 400g
- Dimensions 160 x 100 x 71 mm
- Accessories Test Lead & Carry Case

Code  
CZ20053







# Tools and Test Equipment

## RCD & INSULATION TESTER UNI-T

### FULL FUNCTION OF TESTS FOR PROFESSIONAL ELECTRICIANS

The CZ20073 is a newly designed digital multi-functional testing meter using large-scale integrated analog/digital circuit and Micro-processing chip. It is highly accurate, reliable, and user-friendly. It mainly measures RCD parameters including Test current and Trip Time. Meter also includes, low-resistance Earth continuity, insulation resistance measurement (250.500/1000V), 440V DC & AC Voltages, etc. The versatile functionality, high accurate features and ease of use make it widely used and an ideal tool to keep around for maintenance, inspection and testing RCD, etc. The CZ20073 complies with the CAT III 600V over voltage standard. The package includes test lead, battery, alligator clips and carrying bag. 160x100x71mm

Code  
CZ20073



## INSULATION RESISTANCE TESTER

### HIGH VOLTAGE TEST FOR CABLE LEAKAGE

This durable and easy to use digital insulation tester is made for everyday use for professional electricians. The tester is rugged and compact, and is made to withstand the harsh environments encountered by electricians on a daily basis on the worksite. This tester can be used on all kinds of electronic equipment and insulation materials.

- Output Voltage Measurement ranged from 1 - 750VAC
- Resistance measurement ranged from 0.1 - 1999MΩ.
- The output testing voltage can be selected in 250V/500V/1000V for differential measurement.
- Comes with test leads, carry case and batteries.
- Complies with IEC61010: Cat II 1000V, Cat III 600V.

Code  
CZ20058



## MULTIFUNCTION INSTALLATION TESTER

### FULL FUNCTION METER WITH TESTS FOR ELECTRICAL INSTALLATIONS

All round multifunction electrical tester for professional electricians and installers. Packed with features with all the main functionalities you need for any electrical installation. This unit can be used for the following tests:

- Insulation Resistance Testing
- Continuity Testing
- Line/Loop Testing
- Non-trip Loop Testing
- RCD Testing
- Phase Rotation Testing
- Voltage Testing

Code  
CZ20050



## MULTIMETER WITH PHASE ROTATION

### LCD METER & LED VOLTAGE DISPLAY FOR AC/DC VOLTAGE & CONTINUITY

This handheld electrical tester allows the user to test the voltage, continuity, polarity and the phase rotation of electrical equipment. With IP65 water and dust protection in a rugged design, it is suitable for use in harsh conditions such as at a worksite. These testers have been designed with the knowledge and experience of a test equipment company that has provided tools for the electrical trades for many years.

- Voltage: 12 - 690 V AC/DC
- Continuity: Audible & visual indication
- Phase Rotation: 3 phase detection
- Polarity: Positive & negative
- Rugged: IP65 preventing water and dust ingress
- Torch: Inbuilt for working in dark locations
- IEC61010: Cat IV 600V
- GS38: Fully compliant

Code  
CZ20060







## Voltage Detectors

### AC VOLTAGE DETECTOR

An Unique & Versatile Adjustable Non - Contact AC Voltage Detector. Which combines latest Digital Technology to detect AC Voltage from as low as 5 V AC. Sound and light feedback. Non-Contact AC Voltage Test from 5-1,000 V AC range (Adjustable Sensitive). Continuity check to identify 'Good Or Bad' like Bulb, Fuse etc. Power full long lasting white LED light flashing torch. Battery- 1.5V x 4 pcs. (LR44, AG13, L1154 etc.) [included]

Code  
MS47NS3



### MULTI VOLTAGE TESTER

#### MULTI PURPOSE TESTER (5 IN 1)

Easy, Safe, Quick and Accurate.  
AC voltage test: Contact test from 70 V AC to 250 V AC.  
AC voltage test: Non-contact from 70 V AC to 600 V AC.  
DC voltage test: 0-250 V DC.  
Polarity test: 1.5 V DC to 36 V DC.  
Continuity check: 0 - 80 M ohms.  
Checks operating condition of ionizer.  
Detects microwave leakage:  $\geq 5$  mw/cm<sup>2</sup>.  
Safe Test - Water resistant.

Code  
MS18



### NEON TEST SCREWDRIVER

#### INSULATED SHAFT BLADE

Steel Blade Tip 5mm Mini Screw driver 145mm with a clear handle and inbuilt neon lamp that will indicate the presence of AC voltages 125-250Vac Ideal for tag strips, etc. as it will indicate if the screw is live! Safety 1st.

Code  
HT500



### 6V~24V DC LED TEST LIGHT

Portable LED Battery tester. Suitable for 6~24 VDC. Very useful tool for auto industry and many more. 2M extension cable with banana plug & crocodile clip. 2 bright red LED power indicators.

Code  
TL023LED



## Stud Finder

### DIGITAL STUD FINDER (3 IN 1)

**DISTANCE READOUT & BARGRAPH**  
Locate studs, find metal objects and detect AC voltage. Displays Large 2 digits numeric 99 counts for accurate reading of test result and 9 bar display indicate high sensitively sensing level.  
Detection of - Stud up to 38mm thick Gyprock with 2x4 inches stud, ACV minimum 30mm and Metal minimum 50 mm when pipe is  $\Phi 20$  mm.  
Measuring accuracy -  $\pm 5$ mm  
Audible multitone.  
2x AAA Batteries required.

Code  
MS-68-11



### STUD FINDER (5 IN 1)

#### MULTI-FUNCTION D.I.Y DETECTOR (5 IN 1)

Wooden Stud Detection up to 15mm thickness of gyprock. Buzzer sounds with red LED blinks slow, Fast or steady. Detect  $\Phi 20$  mm metal pipe depth 30mm. AC Voltage depth 50mm single sheath wire. Bonus Continuity check for fuse, bulbs, etc. Built-in Polarity check (3V-24V DC). Auto power off  
Low battery warning  
1x AAA Battery [not included].

Code  
MS-68-10



### STUD-FINDER

#### BAR-GRAPH DISPLAY & BEEPER

Locates wooden studs, joists, electrical wires and metal pipes in plasterboard or plywood walls. 20mm deep

#### REQUIRES 9V BATTERY

Code  
SF10285



## Battery Tester

### 12V BATTERY & ALTERNATOR TESTER

Compact size tester. LED battery tester for 12V battery, progressive light bar for showing battery capacity plus an alternator check. Suitable for all range of 12V lead acid batteries. Test battery with ignition off. Ignition on: Charger over-voltage indicates Bad. Charger under voltage no indication Charging indicates good.

Code  
BT012RB







# Tools and Test Equipment

## Logic Probes

### LOGIC PULSER

#### INJECTOR PROBE

Assists in logic circuit analysis and diagnostics. Outputs a square wave compatible with most logic families due to using the circuit's own power source as reference. 2 speeds switched 0.5pps and 400pps Indicator LEDs.

Code  
LP540H



### LOGIC PROBE

#### WITH BURST MEMORY

Logic level detector with single-shot & short-pulse detection and hold. Multi Logic Standards compatible with most; TTL / CMOS / NMOS, etc. Over voltage protected. Indicates logic High, Low, intermediate and High-Z (Open Circuit)

Code  
LP2800



## Cable Testers

### CABLE PAIR IDENTIFIER - TONE PROBE

#### ELECTRICIAN TELECOM DATACOM TECHNICIANS

The CZ1000 is a modern Cable Pair Identifier used for finding conductors in multi-pair cables, distribution boxes and tag strips. Includes an Oscillator (Transmitter) and Search Probe (Receiver). Connected to the cable to be traced, it provides a signal which the probe can detect. The probe will emit a warble tone when the tip of the probe is over or near the wanted pair. The transmitter is designed to easily fit into confined spaces of connecting pillars, whilst the receiver is ergonomically shaped to alleviate hand strain and easy use. Professional grade from AEGIS Australia. Includes Heavy-Duty protective Case. Requires 1x "9V" and 2x "AA" Batteries.

Code  
CZ1000



### WIRE TRACER

#### WIRE TRACER / TONE GENERATOR (AUDIBLE & VISIBLE)

Includes transmitter & receiver unit. Ideal for Telephone Line test, Wire identification, Continuity check, Continuous audio sound and visible LED while checking continuity, Compact and pen size receiver. Comes with alligator clip and RJ11 plug, Radio type battery 9V (1Pc), AAA(2 Pcs) and carry pouch.

Code  
MS-7847



### COAXIAL CABLE TESTER

#### 2-PART SEND / RECEIVE TRACER

Quick-connect "F" plug for testing RF Coax with a DC voltage. LED Indicator shows a short circuit. Unplug the receiver from the pen and connect to the other end of the cable for an audible confirmation of a connection. All metal, pocket sized. Includes GP23 battery and Female-Female "F" adaptor.

Code  
CT16







## □ Cable Testers

### NETWORK CABLE TESTER

#### RJ45/CAT5 ETHERNET

Send-Receive tester Inject at one end and indicates at the other via LEDs.

Tests 100/10base-T CAT5e.

Plugs suit RJ-11 (6P6C) or RG-45 (8P8C).

Includes carry case.

Requires 9V battery.



#### Code

LANCTEST

### LAN & USB TESTER

#### RJ45 RJ11 USB COAX

Short/Open/Crossover, etc.

BNC (Base10) & USB (A-B)

RJ11 Modem/Phone cable RJ45

CAT5 Network UTP/STP each

wire (8+) is tested individually

& conclusively. Includes pouch.

145x85x25mm



#### Code

FT68BU

Requires 9V Battery

### NETWORK CABLE TESTER

#### LCD CABLE TESTER WITH 8 LOCATION DONGLES

Network cable tester is a powerful tool to solve cable installation problems. The tester has a number of tests such as cable connection sequence, cable length reading, user-jumper identified and cable connection for continuity and determine any open circuit, short or cross-talk interference. Check wiring error in coax, CAT5e, CAT6e and telephone lines (adaptors req.). Includes 8 dongles, numbered and each with buzzer to identify cable tested for locating ease.

- Length measurement of twin twisted cable:
- Scope: 1350M.
- Calibration accuracy: 3% [+/- 0.5m]
- Locating cable identify function
- 8 pieces far-end passive test jacks [ID 1 to ID 8]
- Tester port: RJ45 meter port and RJ45 Loopback port
- 8 pieces far-end recogniser RJ45 port
- 2 pieces adaptors to BNC for coax Base10 testing
- Display: 4 x 16 character dot-matrix LCD reading
- Carry pouch for meter and adaptors, etc.
- Requires: 4x 1.5V AA batteries (not included)

#### Code

CT8108

### TELEPHONE/LAN CABLE TRACKER

#### RJ45/RJ11 CABLE TESTER

Scanning mode allows users to plug a cable into the tester and the receiver will sound an alert for tracing your connections. The test mode (LAN only) is for short and cross testing by injecting at one end of the cable and indicating at the receiver with 9 LEDs.

Includes carry case, 1x 12cm RJ11 cable, 1x 12cm RJ45 cable, 1x RJ11 to crocodile clamps cable, 2x 9V batteries, earphone.

#### Code

CT81024



### TELEPHONE/LAN CABLE TRACKER

#### INCLUDES RJ45 TO BNC FOR TESTING COAXIAL CABLE

Scanning mode allows users to plug a cable into the tester and the receiver will sound an alert for tracing your connections. The test mode (LAN only) is for short and cross testing by injecting at one end of the cable and indicating at the receiver with 9 LEDs.

Includes a carry case, 1x 12cm RJ45 to coax cable, 1x 12cm RJ45 cable, 2x 9V batteries and earphone.

#### Code

CT81025



## □ Communication

### BUTTINKSI TELEPHONE

#### TECHNICIANS TEST PHONE

Safe and protected

Linemans handset

Drop-proof rugged design

Tone (DTMF) dialling.

Pulse (decadic) dialing.

Last number re-dial.

Monitoring (high Z).

Ringer with switch.

Metal Belt hook.

2 x RJ12 sockets for line connection



#### Code

TS9000

#### CORD TO SUIT

1 x Double Socket Extension.

1 x 1.0M RJ12-RJ12 lead.

1 x 0.3M RJ12-RJ12 lead.

1 x 0.3M RJ12- Two Pole Krone style plug.

#### Code

TS9003







# Tools and Test Equipment

## Accessories

### OSCILLOSCOPE PROBES

Professionally manufactured for long reliable service.  
All probes sold individually with accessories included.  
1:1 or 10:1 (1MΩ or 10MΩ) Cable length is 1.4M.  
0V nul reference selectable on probe.

#### DC-100MHz

Code  
HP9100

#### DC-250MHz

Code  
HP9250



CRO Not Included

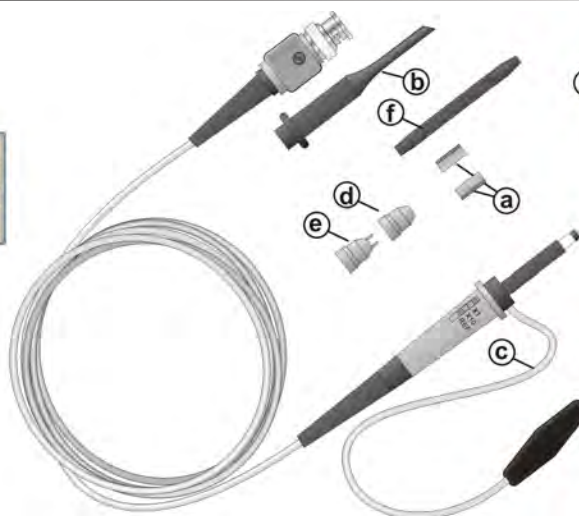
#### REPLACEMENT TIP

Code  
PA102

#### ACCESSORIES KIT

Code  
HP9000

Accessories Kit Includes:  
TIP PA102 x 1  
A CHANNEL ID CLIPS x 2  
B SPRUNG HOOK  
C GROUND LEAD  
D INSULATING TIP  
E IC ADAPTOR  
F ADJUSTING TOOL  
G BNC ADAPTOR\*



**KITS SOLD COMPLETE**

\*with HP9250, HP9000 Only

BNC Adaptor

PA102

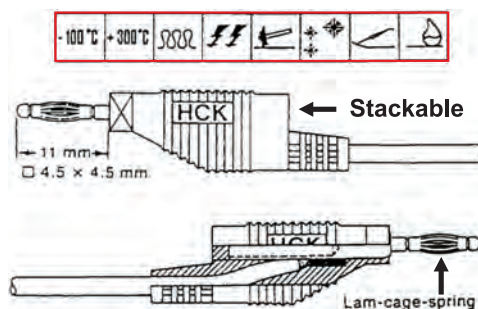


**60MHz  
100MHz  
250MHz**

### STACKABLE 4mm SILICONE CONNECTION LEADS

A well proven connection with the advantage of being stackable. Very strong, highly flexible and soldering iron resistant, these jumper leads are virtually indestructible for total dependability on a reliable connection. There are three lengths available, 0.5, 1.0 and 1.5 metres in six colours for quick I.D. HCK Silicone test leads with Polyamide plugs, silver plated steel lam cage contacts. Highly flexible & impervious. Low Voltage 16A.

Colour	Length	Code
BLACK	0.5M	HCK05BK
RED	0.5M	HCK05R
BLUE	0.5M	HCK05BL
YELLOW	0.5M	HCK05Y
GREEN	0.5M	HCK05G
VIOLET	0.5M	HCK05V
BLACK	1.0M	HCK10BK
RED	1.0M	HCK10R
BLUE	1.0M	HCK10BL
YELLOW	1.0M	HCK10Y
GREEN	1.0M	HCK10G
VIOLET	1.0M	HCK10V
BLACK	1.5M	HCK15BK
RED	1.5M	HCK15R
BLUE	1.5M	HCK15BL
YELLOW	1.5M	HCK15Y
GREEN	1.5M	HCK15G
VIOLET	1.5M	HCK15V



Stackable Plugs 4mm

Silver Plated  
Lam Cage Springs

**HEAT** [300°C]  
**Chemical  
& Crush  
Resistant**



### hFE TEST LEAD

Suit many meters.

Code  
PL03



### IC CLIPS

Very handy to have in the workshop.  
Requires wire soldering for attachment.

Colour Code  
Red ICC2R  
Black ICC2B



### BNC ADAPTOR

Use standard test probes  
with your CRO, etc.

Code  
BP60

BNC Adaptors See  
Connectors Section



### ALLIGATOR CLIP PLUG-ON

#### 4mm Socket

Collar Code  
RED P714R  
BLACK P714B



#### 2mm Suit Meter Probes

Colour Code  
Red AC12R  
Black AC12B

### ALLIGATOR CLIP SET

Plugs onto 4mm tips.  
Sold as a red and black  
alligator clip set.

Code  
AL05



### 4mm PLUG-ON ALLIGATOR TEST CLIP

Sharp toothed, fully  
insulated rated at 2A.  
Will open 12mm wide.  
Steel spring.

Colour Code  
RED HCK9209R  
BLACK HCK9209BK







## Accessories

### SAFETY TEST LEADS

Safety plugs highly insulated 1VK CAT-III 15A long life. High quality 1M flexible cable. Detachable screw-on alligator clips.

Type	Code
Straight	TL60
Right/Angle	TL62



### SAFETY TEST LEADS

Compatible with all meters & any 4mm banana socket. The long reach plugs have a spring safety return that covers the plug on release, restricting the possibility of accidental shorting of contacts. Optimum quality, high voltage, ultra-flexible cable/connections/probes. Terminated with heavy duty alligator claws (8mm wide). Sold in pairs (Red+Black)

Code
TL50



### RIGHT ANGLE TEST LEAD SET

Description	Code
Banana plug	TL15
Pin plug	TL25



### TEST LEAD SET

Description	Code
Pin plug	TL20



### SMD TEST TWEEZERS

#### SINGLE HANDED

For testing components of the tiny SMD variety. Direct to PCB tweezers. 90cm flexible lead to Safety Plugs.

Code
TLSM15



### SAFETY TEST LEAD SET CAT-III

Right angle 4mm test lead set with safety plugs. Highly insulated CAT-III 1000V standard. 1M flexible cable to 4mm tips with sharp point. Red & Black pair.

Type	Code
Right Angle	TL-339



### SAFETY TEST LEADS

Compatible with all meters & any 4mm banana socket. The long reach plugs have a spring safety return that covers the plug on release, restricting the possibility of accidental shorting of contacts. Optimum quality, high voltage, ultra-flexible cable/connections/probes. Includes detachable screw-on alligator clips. Sold in pairs (Red+Black)

Code
TL40



### RIGHT ANGLE TEST LEADS

Right angle 4mm banana plugs. High quality, high voltage, flexible cable, connections and probes. Includes detachable screw-on alligator clips. Sold in pairs (Red+Black) 1M leads.

Code
TL45



### TEST LEAD SET - CURLY CORD

Description	Code
Pin plug	TL22



### JUMPER LEAD SET

Each 450mm long with alligator clips 10 assorted colours.

Code
JLK10







# Tools and Test Equipment

## □ HCK Silicone Test Leads

### HCK SILICONE TEST LEADS

In the workshop it is necessary to have total confidence in your test equipment. Safety is also a major priority. The HCK range of plugs and sockets have rigid plastic sleeves, thereby making physical contact and shorts between leads impossible. To use these leads it is necessary to own equipment or meters that use the 'Safety' system, otherwise an adaptor (HCK9122) is required. The HCK safety test accessories are built to be used with up to 1000 volts. Probe tips are nickel-plated solid brass with a free rotating barrel spring strong positive contact with minimum resistance. All plastics are Polypropylene or polyamide material for strong durability and insulation. Silicone synthetic rubber is used for lead construction. This boasts extremely good qualities, such as tear and notch resistant and high insulating properties. They can be bent, twisted or flexed thousands of times subjected to extreme temperature (such as soldering iron tips), vibration, chemicals, with negligible cosmetic effect and will still maintain high current capacity for a long life. Enormous lead flexibility, range of attachments, safety standard and durability of these test leads make them a must for the serious, and safe, technician. All safety leads & attachments are sold separately and available in black or red. Please, when ordering, indicate colour.

#### 4mm SAFETY TEST LEAD

Pre-assembled, highly flexible lead in a one metre length. Terminated at both ends with an axial 4mm safety plug. The attachments below are to be used with these leads.

Colour	Code
Black	HCK9014BK
Red	HCK9014R



#### 4mm SAFETY TEST LEAD

Pre-assembled, highly flexible lead in a one metre length. One end is right angle, the other axial 4mm safety plug. The attachments below are to be used with these leads.

Colour	Code
Black	HCK9016BK
Red	HCK9016R



#### 4mm SAFETY TEST PROBE

115mm in length. Highly insulated body with protection collar. The tip is equipped with a 4mm Plug for accessories.

Colour	Code
RED	HCK9112R
BLACK	HCK9112BK



#### 4mm SAFETY TEST PROBE

150mm in length with high collar for added safety when measuring High Voltages or hard to reach test points. Sharp tip for piercing insulation.

Colour	Code
RED	HCK9113R
BLACK	HCK9113BK



#### 4mm SAFETY HOOK GRIP

A popular grip for IC connections. Wires & pins of up to 1.5mm thickness are held securely by the push to release spring pressure. Length 125mm.

Colour	Code
RED	HCK9116R
BLACK	HCK9116BK



#### 4mm SAFETY CLAMP GRIP

Two wire hooks open and spread to encircle the test point. 100mm long flexible tip for rigid contact of hard to reach contact points.

Colour	Code
RED	HCK9117R
BLACK	HCK9117BK







## □ HCK Silicone Test Leads

### 4mm SAFETY PROBE TEST LEAD

Ready assembled one piece probe with one metre silicone lead. Axial 4mm safety plug. The probe is 150mm long with a sharp steel tip and a 4mm plug for optional add-on accessories.



#### Colour Code

RED HCK9024R

BLACK HCK9024BK

### 4mm SAFETY PROBE TEST LEAD

Ready assembled one piece probe with one metre silicone lead. Right angle 4mm safety plug. The probe is 150mm long with a sharp steel tip and a 4mm plug for optional add-on accessories.



#### Colour Code

RED HCK9026R

BLACK HCK9026BK

### 4mm SAFETY JAW GRIP

Heavy duty jaws open up to 20mm for a high current, strong rigid connection of motor terminals, fuse connections etc. Max 20A 130mm in length



#### Colour Code

RED HCK9119R

BLACK HCK9119BK

### 4mm PLUG-ON TEST PROBE

Designed for attachment on standard 4mm system. 130mm in length with sharp steel tip for piercing insulation and oxide layers



#### Colour Code

RED HCK9205R

BLACK HCK9205BK

### 4mm PLUG-ON ALLIGATOR TEST CLIP

Sharp toothed, fully insulated rated at 2A. Will open 12mm wide. Steel spring.

#### Colour Code

RED HCK9209R

BLACK HCK9209BK



### 4mm SAFETY ALLIGATOR CLIP

For a sure strong connection of up to 20mm diameter. Will carry currents of up to 34A. 80mm in length. High tension metal spring.

#### Colour Code

RED HCK9755R

BLACK HCK9755BK



### CHANGE OVER ADAPTOR

To make connection of safety plugs to standard 4mm system.

#### Colour Code

RED HCK9122R

BLACK HCK9122BK



### COUPLING CONNECTION

Female to female adaptor for safety lead extension etc. Will also accept standard 4mm.

#### Colour Code

RED HCK9123R

BLACK HCK9123BK



### ADAPTOR 2mm TO 4mm

Standard 2mm system to the above 4mm.

#### Colour Code

RED HCK9226R

BLACK HCK9226BK



### ADAPTOR 4mm TO 2mm

Standard 4mm system to the rare 2mm.

#### Colour Code

RED HCK9227R

BLACK HCK9227BK







# Tools and Test Equipment

## □ Service Aids

## □ Tape

### DESK TAPE DISPENSER

#### LARGE & WEIGHTED

Accepts 1" & 3" Tapes  
(25mm or 75mm)  
80x90x205mm  
No-scratch Felt under  
Requires tape

#### Code

DTD8977



### PACKING TAPE DISPENSER

#### BOX SEALING PISTOL 3"

Light weight pistol grip  
Roll-On 2" wide Suit 3"Ø  
tapes. Adjustable brake  
for tight consistent seal.  
Max tape roll OD is 5"Ø

#### Code

H11CP



### STICKY TAPE

#### COMMON CLEAR STICKY

Individually seal packed for maximum  
freshness. Clear. Will not tear  
Width x 66 Metres long.

#### Size Code

12mm ST4724

18mm ST4725



### PACKAGING TAPE

#### 2" WIDE BOX TAPE

48mm x 75 Metres professional  
grade Box sealing tape. Will not tear.

#### Colour Code

Brown PT1035

Clear PT1090



### MASKING TAPE

#### PAPER BACKED 50M

Easy-to-tear backing. No  
residue adhesive. As used in  
painting Mask-Off areas, etc.  
Beige 50 Metre rolls.

#### Size Code

24mm MSK2002

48mm MSK2004



### INSULATION TAPE

#### FIRE RETARDANT 0.19x19mm x 20M

High Quality 0.19mm PVC Tape

#### Colour Code

Red FRT20RD

Green FRT20GN

Blue FRT20BU

White FRT20WH

Yellow FRT20YL

Black FRT20BK

Yellow & Green IT20YG



### GAFFER CLOTH TAPE

#### NASHUA 357 48mm x 40 Metres

Classic. Best available. Cloth reinforced vinyl.  
Durable & Added strength. Torn to length  
without tools. Aggressive adhesive waterproof

#### Colour Code

Black GAF357BK

Silver GAF357SL

White GAF357WH



### GAFFER CLOTH TAPE

#### BLACK 399 48mm x 25 Metres

Industrial grade cloth coated. Very  
aggressive hi-tack stick Rubber adhesive.  
Waterproof Cotton reinforced. Tear by hand  
3" Reel. 25 Metres long.

#### Code

GAF399



### GAFFER TAPE WARNING!

#### BLACK & YELLOW CLOTH

48mm x 25 Metres roll  
Cloth imbedded nylon  
tape. Alarmingly coloured !  
Kick / walk areas, etc.  
Tape down cables, etc.

#### Code

HCT3220



### DUCT TAPE

#### PVC 2" IN 30M ROLLS

Clear-Adhesive backed Strong  
durable PVC tape. Poly Vinyl Chloride  
(PVC) Malleable & Weather proof.  
Popular builders tape.

#### Colour Length Code

Silver 30M DT4420

Black 30M DT4410



### HEAT-SHRINK TAPE

#### SHRINKS TO SEAL

Thin Irradiated Polyolefin tape. Shrinks  
and amalgamates forming a rigid seal  
on even complex items. Make Y shapes.  
Simply wrap & heat to shrink. Black.  
20mm x 50M.

#### Code

HST20



### SELF-AMALGAMATING TAPE

#### RUBBER BUTYL 20mm

Highly adhesive synthetic Rubber & resin  
based tape. Cures to a single mass. Seals  
& water-proofs 0.8mm x 19mm x 10 Metres.

#### Code

SFRT10



### SELF-AMALGAMATING TAPE

#### RUBBER BUTYL 40mm

Highly adhesive synthetic Rubber &  
resin based tape. Cures to a single  
mass. Seals & water-proofs. Black.  
40mm x 5 Metres.

#### Code

SAT140







## 3M DOUBLE SIDED ADHESIVE STICKY TAPE 50M

### FOR MOBILE PHONE TOUCH SCREEN REPAIR

3M Brand double sided adhesive tape for touch screen repair of iPhone and other smartphones.

Width x Length	Code
10mm x 50M	ADH100



## DOUBLE-SIDED TISSUE

### TISSUE ACRYLIC TAPE

Very thin tissue paper Premium grade Stylus 740. Aggressive hi-tack acrylic PH neutral for photos, etc. Double sided 33 Metres.

Size	Code
12mm	DST5238
24mm	DST5242



## DOUBLE-SIDED CLOTH

### GAFFER HEAVY-DUTY DUAL

Premium grade Stylus 720. Hand tear cloth. Aggressive natural rubber solvent adhesive both sides. 25M. Suit carpet, substrates, etc

Size	Code
24mm	DST4506
48mm	DST4510



## DOUBLE-SIDED FOAM 0.8MM

### POLYETHYLENE 5589 BLACK

High density closed cell foam for outdoor mounting. Suit light weight fixing plastic, etc. Permanent bond Both sides. 0.8mm Black. 5/10M

Width x Length	Code
12mm x 10M	DST4884



### GENERIC - INDOOR USE

Width x Length	Code
18mm x 5M	IT50

## DOUBLE-SIDED FOAM 1MM

### POLYETHYLENE 2010 WHITE

Double sided EVA foam tape. Aggressive acrylic adhesive. Light to medium weight fixing. Permanent bond internal mount 1.0mm thick white large reels

Width x Length	Code
12mm x 50M	DST4945
18mm x 50M	DST4946



## FOAM TAPE SINGLE SIDED 2MM

### 2mm POLYETHYLENE 7100

Soft density open cell foam. Aggressive acrylic adhesive.

Width x Length	Code
18mm x 2M	APT2182



## FOAM TAPE SINGLE SIDED 3MM

### 3mm POLYETHYLENE 7100

Soft density open cell foam. Aggressive acrylic adhesive Sponge type for draft seal.

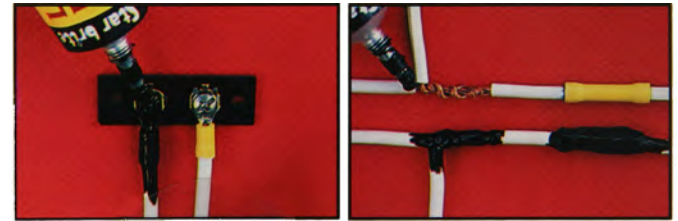
Width x Length	Code
9mm x 1M	GT7100
9mm x 2M	APT3092
9mm x 25M	APT6351
12mm x 2M	APT3122
12mm x 25M	APT6352
18mm x 2M	APT3182
18mm x 25M	APT6353



## LIQUID ELECTRICAL TAPE

### DIELECTRIC COATING

Liquid electrical tape forms a protective dielectric coating on electrical connections to seal out moisture and prevent corrosion. Adheres to all metals, Plastic, Vinyl, Rubber and composite surfaces, fast drying, safe and easy to use. Suitable for many applications like Boats, Cars, Trucks, Pool electrical, Pumps, outdoor exposed wiring, Lighting fixtures, underground wiring and many more.



- UV resistant.
- Great flexibility.
- Stays neat & clean.
- Super Dielectric strength.
- Totally Waterproof connections
- Temperature range -34°C to 123°C.
- Can Be Applied to irregular shapes.
- Multicolours allow easy colour coding.

Weight	Colour	Code
28g	Black	LET18BK
28g	Red	LET18RD



### 118ml WITH BRUSH APPLICATOR

Weight	Colour	Code
118ml	Black	LET118BK
118ml	Red	LET118RD



## Miscellaneous

## SOUND DEADENING MATERIAL

### SPEAKERS & AUTOMOTIVE

Butyl based sound deadening material with adhesive backing.

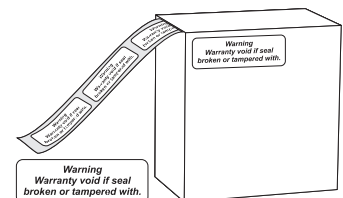
Type	Thick	Size	Code
Butyl	1.5mm	330x900mm	MAT302
Foam & Butyl	4.5mm	300x675mm	MAT675



## SECURITY LABELS

Tamper-proof seal sticker. Place over screw holes and unit seals to stop tampering. Suit repairs with warranty, etc. Roll of 500 stickers.

Code
WL500



## GLUE GUN 60W

Bonus plastic case includes glue sticks Trigger action gun 11mm glue sticks (x6)

Code
NGG60D

## HEAT GLUE STICKS

Order One to Receive ten 11mm x 100mm Pack of 10

Code
NGGS10







# Tools and Test Equipment

## Glues

### LOCTITE ULTRA FAST

The Best Instant Adhesive  
Cyanoacrylic Ester. For bonding metals  
most plastics, etc. Large 25ml bottle.  
Ultra-fast drying

Code  
LOC401



### LOCTITE 454 GEL

Surface insensitive for  
porous materials inc'  
wood, ceramics, felt, cork,  
etc. More suited than  
LOC401 for gluing pulleys  
onto capstan motors, etc.

Code  
LOC454



### INSTANT ADHESIVE GLUE

Cyanoacrylate  
2 gram tube.  
Bonds instantly.

Code  
ISG2



### PLASTICS GLUE

#### WITH PRIMER PEN

Bonds ALL Plastics, including  
Polyethylene (PE) and Polypropylene (PP)  
Easy to Apply, Dries clear for clean, neat  
results, Fast Bond: 2-30 seconds.  
Also bonds plastic to other surfaces:  
Metal, timber, china, rubber, leather.

Size Code  
3ml SEL02



### TARZANS GRIP

#### SELLEYS GENERAL PURPOSE GLUE

Dries clear. Ideal for ceramics,  
wood, metal, leather, vinyl,  
canvas and many plastics etc.

Size Code  
30ml SEL01



### CONSTRUCTION ADHESIVE

#### PRO-SPEC STRONG-FIX

Solvent based construction adhesive with a non-runny  
consistency. It is brown in colour as applied and  
is suitable for bonding wood panelling,  
plywood, plasterboard, fibre cement,  
wooden flooring applications,  
ceramic tiles as well as  
general wood repair.

Size Code  
320g SEL04



### ADJUSTMENT LOCKING SEAL

Don't use my good Nail polish dear!  
Purpose made for locking adjustments,  
screws, etc. Tamper Evident Seal 15ml.

Colour Code  
Red EBLR15  
Green EBLV15



## Heat Transfer

### HEAT TRANSFER COMPOUND

#### SILICONE BASE TUBES

Size	Code
10g	SIL10
150g	SIL150

#### SILICONE BASE SYRINGE

Size	Code
25ml / 50g	SIL50

#### NON-SILICONE SYRINGES

Size	Code
10ml	RF44
35ml / 70g	HTC35SL



### SILICONE HEATSINK COMPOUND

#### THERMAL ADHESIVE

"OEM" Specified Made in Japan.  
Sets hard. Improves thermal  
conductivity to the max! 150g.

Code  
TSE3843W



## Silastic and Sealant

### DOW CORNING SILASTIC

Original silicone elastomer  
for high voltage insulating.  
Non corrosive. Clear.  
Cures tough, rubbery solid.

Size Code  
90ml Tube SIL738



### DOW CORNING HEAT RESISTANT SEALANT

**SILICONE RUBBER RED Colour**  
260°C Rated version of 738

Size	Code
90ml Tube	SIL736-90
300ml Cartridge	SIL736



## Oils

### OIL PEN

'Sewing Machine Oil'  
Highest Quality in a  
convenient application  
pen. Press to release.

Size Code  
5ml EML05P



### UNIVERSAL LUBRICATING OIL

Professional quality machine oil.  
Suitable for lubrication of sewing  
machine, Zippers, Locks, Roller Bearing  
and other moving metal parts.

Size Code  
100ml OL100







## □ Electronics Repair

### CONDUCTIVE SILVER GREASE

CHEMTRONICS CIRCUIT WORKS  
Pure silver & advanced silicone lubricants for premium electrical and thermal conductivity. Chemically inert, fully tested & suitable for metal rubber & plastic. Ideal for switch contacts, etc.

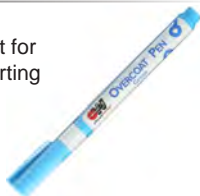
Weight	Code
6.5g	CW7100



### OVER COAT PEN

Protective conformal overcoat paint in an easy applicator pen. 5g (0.16oz) Applies a tough coat for insulating and protecting against corrosion, shorting and high voltage arcing.

Weight	Colour	Code
5g	Green	CW3300G
5g	Clear	CW3300C



### RUBBER ROLLER RESTORER

#### 250ml PUMP SPRAY

Specially developed to restore texture to rubber grip rollers by removing hardened deposits. It can be applied by either spraying directly onto the rubber roller then wiped off with a clean cloth or by spraying the restorer onto a cloth and wiping the roller with a dampened cloth. Ideal for use on printers, fax machines and photocopiers.

Size	Code
250ml/195g	RRR250



### SILVER CONDUCTIVE PAINT

Dries to leave a conductive path. Suit PCB repair & connections to non-solderable materials, repairs rear demisters, etc. Excellent adhesion & conduction properties. Simply paint on. 3g Phial.

Code
SCP03B



### RUBBER KEYPAD REPAIR KIT

Repair rubber push-button key pads on remote controls. Restores conductivity to worn carbon key contacts.

Two part formula solution. Repairs good for 500,000 keystrokes. Mix & repair. Carbon/silver solution. Chemtronics CircuitWorks

#### 50 Applications

Code
CW2605



## □ Grease Lubricants

### BEARING GREASE YELLOW

#### GERMAN

For roller bearings, friction bearings and toothed wheels.

Size	Code
35g	GR5143



### MOLYKOTE DX PASTE

White Grease 50g Tube.  
Dow Corning German Lubricant Heavy load Surfaces & bearings Molybdenum disulphide grease Weather resistant. 50g Tube. Anti-corrosive. Not hazardous.

Size	Code
50g	MK6195



### MOLYKOTE BR 2 PLUS

#### MoS2 LANGZIET FETT

Dow Corning High Performance Grease. -30 to 130°C Lithium Soap.

Size	Code
100g	LM47



### SUPER-LUBE IN A TUBE

Synthetic grease with Syncon (Teflon) PTFE has high temperature tolerance 230°C. Highly lubricious, clear and non-toxic. Excellent dielectric properties. Impervious to salt water. USA made.

Size	Code
85g	SL21030



More Super-Lube Options - Next page...

### SILICONE GREASE COMPOUND

Highest quality electrical insulator, moisture repeller. Eliminate HV tracking. Lubricate joints, etc. Non-toxic MIL-1-8660B. eg. Car ignition switches, HV pix tube connections, etc.

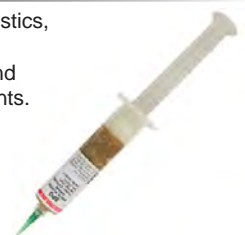
Size	Code
35ml	SCO35SL



### SPECIAL PLASTICS COMPATIBLE GREASE

Synthetic mechanical lubricant for thermoplastics, Polycarbonates, ABS, etc. Also known as Montage grease. Ideal for switch contacts and Plastic to Plastic, Plastic to Metal friction points. eg. Photocopiers, timers, etc... Light-brown colour. Non-melting.

Size	Code
35ml	SPG35SL



### CONTACT TREATMENT GREASE

An extra high quality non-melting grease for the most critical applications where long term performance and reliability are essential. High tenacity for vertical surfaces, sliding contacts. Anti-static, safe on most plastics, paint and rubber.

Size	Code
35ml/35g	SGB35SL



### BEARING GREASE

This mineral oil based thickened grease is well suited to a wide range of industrial and automotive applications. This general purpose grease has excellent water resistance and rust inhibiting properties. It also has excellent mechanical and thermal stability within its wide operating temperature range of: -30 to 120°C.

Weight	Code
200g	LGMT2







# Tools and Test Equipment

## Super-Lube

### SUPER-LUBE SYNTHETIC LUBRICANTS

Super Lube is a patented, multi-purpose, synthetic, exceptionally pure lubricant containing SYNCOLON® (PTFE) particles held in suspension. Super Lube lasts longer and out performs conventional petroleum based greases and oils because there are no impurities or sediments left behind by a crude oil refinement process. It will not oxidize, form gummy carbon deposits or solidify. Temperature tolerance is extended (-43°C to 230°C continuous). Super-Lube also offers improved resistance to water, salt water, acids, alkalies, detergents, conduction and repels dirt, grit, grime, rust, corrosion, etc. It is odourless and non-toxic. Made by Synco in the USA. This new range of lubricant is suitable for the home, workshop or industry and is available in several convenient applicators; As a grease in tubes or slightly more malleable lubricant in a can or syringe. PTFE = Polytetrafluoroethylene (Teflon) [www.super-lube.com](http://www.super-lube.com)



#### SUPER-LUBE IN A CAN 170g

Lubricates, protects, clear, will not stain, bio-degradable, impervious to salt water, etc. Perfect for outdoor equipment, fishing, tools, tracks, etc.

Code  
SL31040



#### SUPER-LUBE IN A PEN 7ml

Synthetic lubricant in a convenient syringe applicator. Penetrates, lubricates and extends the life of machinery and equipment. Bearings, chains, hinges, zippers, locks, toys, etc.

Code  
SL51010



#### SUPER-LUBE IN A TUBE 85g

Synthetic grease. Highly lubricious, clear and non-toxic. Excellent dielectric. Impervious to salt water.

Code  
SL21030



#### SUPER-LUBE IN A TUBE 12g

Lubricates, protects, clear, will not stain, bio-degradable, impervious to salt water, etc. Perfect for outdoor equipment, fishing, tools, tracks, etc.

Code  
SL21010



## Silicone

### HELMAR SILICONE SPRAY

Industry leader Lubricates & Protects Non-staining. Suitable for home, sporting, automotive, industrial.

Size Code  
300g H4000



## Cleaning Swabs and Applicators

### CONTACT CLEANING STRIPS

ELECTROLUBE cleaning, lubricating and protecting treatment. For relay and non-wiping contacts like edge connectors, etc. 20 pcs. 75mm strips.

Code  
CCS020



## Freezer

### FREEZER

-55°C for fault finding, etc. Low residue. Spray cans.

Brand	Size	Code
CRC	300g	CRC2039
Electrolube	400ml	FRE400H
RF	400ml	RF59



## Aerosols

### SMOKE DETECTOR TESTER

#### LIFE SAVER SMOKE DETECTOR TESTER

Designed for testing Ionisation and Photoelectric type. Smoke alarms and detectors. Up to 200 sprays (100g net). CFC Free. Note :- Road transport Only.

Code  
LIFLT711



### DUST-BLOWER

#### AIR BRUSH CANS Inert gas

Brand	Size	Code
RF Australia	250g	RF67
Electrolube	400ml / 580g	EAD400D



### CONTACT CLEANER

#### NON-SILICONE BASE (protective film residue)

Description	Size	Code
150g Popular contact cleaner lubricant 2-26	150g	CRC2004
450g Popular contact cleaner lubricant 2-26	450g	CRC2005
Contact Cleaner Lubricant	250ml/175g	RF64
Displace moisture penetrate lubricate. Protek®	250ml/175g	RF68
Electrolube Contact Cleaner Lubricant	200ml/140g	EML200F
Dry-Glide Dry film lubricator - Teflon Dupont	150g	CRC3040

#### SILICONE BASED (Si)

Description	Size	Code
Helmar Silicone Lubricant	300g	H4000
CRC Silicone. Lubricates, waterproofs & leaves a clear film for continued protection.	300g	CRC2094

#### NON-RESIDUE TYPES

Description	Size	Code
CO contact cleaner - evaporates completely	350g	CRC2016
Cleaning Solvent Isopropanol	400ml 325g	IPA400H
Ultraclean Spray Can	400ml 325g	ULS400D

### SELLEYS RP7

Multi-purpose lubricating and penetrating spray which displaces water and inhibits corrosion. Plastics rubber safe.

Size Code  
300g SEL03







Beware! The propellants used in some aerosol products may be flammable. Do Not spray at a Naked Flame!  
Government regulations classify aerosols as "dangerous goods". As a result we can not send aerosols by air freight or mail.  
Therefore please allow extra time for deliveries containing these products as they can only be transported by road.



## CRC® RANGE OF SERVICE AIDS

A long established company who has been manufacturing service aids for many years.  
Australian made. Complies with all CFC regulations. See Warning

Description	Size	Code
150g Popular contact cleaner lubricant 2-26	150g	CRC2004
450g Popular contact cleaner lubricant 2-26	450g	CRC2005
CO contact cleaner - evaporates completely	350g	CRC2016
Lectra clean. Heavy duty cleaner and degreaser	400g	CRC2018
CRC Freeze spray. Inert coolant	300g	CRC2039
Plasticote 70. Dry flexible film on most surfaces	300g	CRC2043
Red urethane seal. Insulating and protective varnish	300g	CRC2044
Clear urethane seal. Insulating & protective varnish	300g	CRC2049
GLASS Antistatic cleaner for TUBE type displays	200g	CRC3070
Zinc It. Forms a tough & flexible anti-rust coating	350g	CRC2085
CRC Silicone. Lubricates, waterproofs & leaves a clear film for continued protection.	300g	CRC2094
Dry-Glide Dry film lubricator - Teflon Dupont	150g	CRC3040
Silicone 808 Multi-purpose Enhancer lube' protect	330g	CRC3055



## RF® SERVICE AIDS

Made in Australia, the RF range of service aids is COMPLETELY OZONE SAFE.

Description	Size	Code
Heat Sink Compound Syringe. Non-Silicone	10ml	RF44
Electronic Cleaning Solvent No1. Safe on plastics	250ml/175g	RF58
Video Head Cleaner	250ml/175g	RF60
Circuit Board Lacquer. Forms a flexible coating	250ml/175g	RF61
Contact Cleaner Lubricant	250ml/175g	RF64
Circuit Board Cleaner. For heavy duty cleaning..	250ml/175g	RF65
Air Duster. For removal of dust and dirt	250g	RF67
Displace moisture penetrate lubricate. Protek®	250ml/175g	RF68



## ELECTROLUBE® MAINTENANCE PRODUCTS

ELECTROLUBE products are market leaders and are of the highest import quality. All products comply to Australian government CFC regulations and are ozone friendly. Please read the warning above.

Description	Size	Code
Anti-Static Foam Cleanser Aerosol	400ml	AFC400H
Anti-Static Squeegee - Vinyl Cleaner	250ml	ASA250
Contact Cleaning Strips	20 strips	CCS020
Clear Protective Lacquer Aerosol	200ml/100g	CPL200H
Conformal Coating Aerosol	200ml/160g	DCA200H
Dry Film Lubricant Aerosol	200ml/160g	DFL200D
Air Duster. For removal of dust and dirt	400ml / 580g	EAD400D
Electronic Cleaning Solvent Aerosol	200ml/135g	ECS200M
Electronic Cleaning Solvent Residue Free	400ml	ECSP400
Oil in an Application Pencil	5ml	EML05P
Electrolube Contact Cleaner Lubricant	200ml/140g	EML200F
Electrolube Freezer with low GWP	400ml	FRE400H
Flux Remover	400ml/325g	FLU400D
Heat Transfer Compound Syringe	35ml / 70g	HTC35SL
Cleaning Solvent Isopropanol	400ml 325g	IPA400H
Label remover (lifts sticky goo)	200ml/165g	LRM200D
Developer Positive Photo Resist Bottle	250ml/300g	PRD250ML
Poly-Urethane Coating DEF STAN 59-47	400ml/275g	PUC400
Rubber Roller Restorer	250ml/195g	RRR250
Silicone Grease Compound Spray Can	200ml/145g	SCO200D
Syringe Clear Silicone Grease Compound	35ml	SCO35SL
Silver Conductive Paint Bottle	3g Phial	SCP03B
Contact Treatment Grease Syringe	35ml/35g	SGB35SL
Rework Solder Flux non-corrosive free flux	200ml/170g	SMFL200D
Special Plastic Grease Syringe	35ml	SPG35SL
PCB Cleaner Foam with brush	400ml/390g	SWA400H
Ultrasonic Spray Can	400ml 325g	ULS400D
Electrolube range catalogue for product details	Catalogue	ELECAT







# Tools and Test Equipment

## Wipes Cleaners

### KIM-WIPES®

#### NO-TEAR TISSUE BOX

Delicate Task Wiper is a light duty wiper that can handle a variety of delicate tasks. Easily wipes up liquid and dust. Anti-static dispensing reduces lint and electrostatic discharge, controls usage and portability reduces waste. 280 wipes, 110x210mm

Code  
KIMW4120



### ADVANCED CLEANING CLOTH

#### LENS QUALITY WIPE

Special material cloth for cleaning opticals like camera and laser lenses, even glasses. No lint. No residue. Like silk. 6" Square. Made in Japan.

Size Code  
150x150mm CLN1515



### FINE DENIER YARN POLY CLOTH

#### TOUGH & DURABLE CLEANING WIPE

Made from recycled PET bottles 66% & Very fine knitted polyester 34% Non-scratching dust-free cloth Ultra-pure clean-room product Made in Japan. 220x220x0.8mm

QTY Code  
x10 ECQ2310



### DUSTGO MICROFIBRE CLOTHS

FOR SENSITIVE SURFACES Bill Microfibre Technology Co. Switzerland SGS Authorised Quality Assured System. The formula of each cloth is adapted to suit the application precisely for maximum effect & assured long-term safety. Made from a proportion between PET Segment and PA Matrix. High performance product for long life, re-use, dust cloths. Use wet or dry. Will not scratch. Machine washable. Each cloth is 160x180mm. One cloth supplied per pack.



#### PLASMA & LCD SCREENS

GOLD MICROFIBRE  
65% PET 35% PA Matrix

Code  
BMT-D5017

#### NOTEBOOK SCREENS

BLUE MICROFIBRE  
70% PET 30% PA Matrix

Code  
BMT-D5208

#### LCD MONITORS

SILVER MICROFIBRE  
70% PET 30% PA Matrix

Code  
BMT-D5024

OFFICE EQUIPMENT  
WHITE MICROFIBRE  
80% PET 20% PA Matrix

Code  
BMT-D5109



### ISOCLENE WIPES

#### BACTERICIDAL WIPES

Ready to use anti-bacterial wipes for disinfecting most hard surfaces. Kills 99.9% of bacteria found on office equipment like Keyboards, Plastic surfaces, Calculators & Mouse. Not for use on computer screens. For best results pre-clean the surface.

Code  
AISW100



### OFFICE WET WIPES

#### Kimberly-Clark Product

70x Pre-Moistened Multi-Surface Non-Scratch disposable cloths in a handy dispenser bottle. Commercial grade disinfectant. For cleaning office equipment, etc. Australian made by Kimberly-Clark. Premium grade wet wipes.

Code  
KIM4100



### SCREEN-CLENE WET WIPES

#### LCD & PLASMA SCREEN CLEANER

100 Sachets of non-smearing anti-static wet wipes for cleaning monitor screens. Box full of individual packs. Always find them ready moist. premium quality product.

Size QTY Code  
125x190mm ea. 100x SCS100



### SCREEN-CLENE IN A CAN

#### LCD & PLASMA SCREEN CLEANER

Pump action cleaner spray for clear glass & plastic surfaces like TV Screens, Photo copiers, Gameboy, Laptop, monitor screens. Anti-static. No alcohol. Non flammable.

Size Code  
250ml SCS250



### SCREEN-CLENE SAFECLOTHS

#### LINT-FREE CLEANING

Non-woven super absorbent anti-static cleaning cloths 50 pieces in a resealable bag 330x330mm soft perforated Suit general cleaning uses.

QTY Code  
50x SCH050



### AF CARD-CLENE

#### CARD SWIPE CLEANER

Swipe Machine Cleaners Sachet-packed plain cards impregnated with Isopropanol. Made to ISO specifications. Suggested for both card entry readers and swipe (Eftpos) readers 20 Sachets.

QTY Code  
20x CCP020







## AF GEL SCREEN CLEANER

### CLOTH & SPRAY

New Anti-Static Screen Cleaning Innovative and highly effective screen cleaning gel for use on any type of screen from glass to TFT, LCD & Plasma. Includes 125ml Pump Bottle 10 Pieces non-woven cloths

Size	Code
125ml	ASCG000



## SCREEN CLEANING KIT FOAM

### WITH BRUSH & CLOTH

200ml Squeegee bottle. Water based cleaning. Foaming formula for Screens, lens, disk. No-drips or smears. Micro-fibre cloth 20cm<sup>2</sup>. Retractable dust brush.

Code
HN-4128



## AF FLAT PACK SCREEN CLENE WIPES

•A handy flat pack of 25 screen cleaning pre-saturated wipes, non-flammable and alcohol free. Suitable on TFT and LCD screens. They remain moist over extended periods.

QTY	Code
x25	SCR025P



## SCREEN CLEANING KIT GEL

### WITH BRUSH & CLOTH

100ml Squeegee bottle. Specially formulated water based cleaning. Non-drip gel mist for Screens, lens, disk. Micro-fibre cloth 20cm<sup>2</sup>. Retractable dust brush.

Code
HN-4133



## PLASMA/LCD/CRT SCREEN CLEAN

Non-Scratch Micro fibre cloth for flat screens. Will remove dust, dirt, greasy finger prints, etc. easily and quickly. Includes a Specially developed IPA / alcohol free safe water based cleaning fluid with spray pump bottle. Ensures cleaning compatibility on all types of screens.

Code
AM85146



30ml FLUID ONLY  
2x Squeegee bottles

Size	Code
30ml	AM85149



### REPLACEMENT SPONGE

Code
AM85150



## Camera & Phone Rescue

## CAMERA / PHONE WATER RESCUE KIT

### RAPID DRY-OUT APPLICATOR

Emergency kit for phone phones, MP3 players, cameras, and any other electronic devices that have accidentally been immersed in water. Simply place the device into the sealed bag and follow the instructions until water is absorbed.

Code
ATRK000MIN



PHONE NOT INCLUDED

## SCREEN CLEANING KIT

### WITH BRUSH & CLOTH

200ml Squeegee bottle Specially formulated water based cleaning Clear liquid mist for Screens, lens, disk. Micro-fibre cloth 20cm<sup>2</sup>. Retractable dust brush.

Code
HN-4131



## SCREEN CLEANING KIT

### WITH BRUSH & CLOTH

100ml Squeegee bottle Specially formulated water based cleaning liquid mist spray for Screens, lens, disk. Super-fine micro fibre cleaning cloth 10cm<sup>2</sup>

Code
HN-4129







# Tools and Test Equipment

## RECORD WASH - ANTISTATIC

### VINYL CLEANING SPRAY & CLOTH

Risk free wash for removing grit & grime from grooves and reduce static build up. Non abrasive for gentle and effective vinyl cleaning. Standard bottle or squeegee bottle. Includes lint-free cloth.

Code  
RC-1



### REPLACEMENT CLOTH

Code  
DC-103

## ANTISTATIC RECORD CLEANING

### ANTI-STATIC SPRAY & CLOTH

Efficiently removes dust, dirt and static build up. Includes a non-abrasive cloth for gentle and effective vinyl cleaning.

Code  
RC-2



### REPLACEMENT CLOTH

Code  
DC-103

\*Fluid is flammable, Must be transported by road.

## LP RECORD CLEANING KIT

### VINYL COLLECTION MAINTENANCE

Keep your valuable music collection new & clean. Professional Vinyl Record cleaning kit.

- Kit includes:
- Carbon Fibre Anti-static Record cleaning Brush.
- Anti-static Record Cleaning Fluid 20ml.
- Anti-static Record Cleaning Cloth.
- Stylus Cleaner Fluid 20ml.

Code  
MHFC-9



\*Fluid is flammable, Must be transported by road.

## LP & CD CLEANING KIT

### RECORD & CD MAINTENANCE

Give a new life to your music records & CD's. Super cleaning kit.

- Kit contains:
- Anti-static Record Cleaning Cloth with 20ml Cleaning Fluid.
- Carbon Fibre Anti-static Record Brush.
- Stylus Cleaner with 20ml Cleaning Fluid.
- CD Cleaner with 20ml Cleaning Fluid.

Code  
MHFC-2



\*Fluid is flammable, Must be transported by road.

## CARBON FIBRE RECORD CLEANER

### ANTI-STATIC MICRO-FIBRE BRUSH

A gentle brush with the microniser prior to record playing enables a million tiny filaments to discharge the harmful deposit from the grooves and bring a new dimension to record care.

Code  
DC-05P



## STYLUS NEEDLE CLEANER

### BRUSH N' LIQUID

Cleaning solution with bottle brush in lid. Professional grade. Remove grit & grime from stylus needle.

Size Code  
20ml SC-1

Flammable liquid.







## TRACK & FOCUS OFFSET/GAIN ADJUST

### GERMAN DDD DAMAGED

78 min, 45 tracks, of 1KHz 0dB  
With intentional physical errors  
to test and align error tracking  
& laser gain.

Error Area in Information Layer  
0.2mm to 3mm in 0.1mm  
steps as read to track number.  
Save time and effort in CD  
assessment and adjustment.  
Instruction booklet.

Code  
LASERCD



## CD & DVD DISC SURFACE REPAIRER

### DISK CLEAN MACHINE

Insert scratched disc, Apply the  
special fluid Close and turn the  
handle! Repairs general light  
duty scratches that may hinder  
correct playing of both DVDs,  
CDs and software too. Two  
types of cylinder rollers one for  
surface repair and another for  
general cleaning.

Code  
PC-7091



## LIQUID HEAD CLEANING SOLUTION

Isopropyl Alcohol.  
VCR/Audio solvent

### BOTTLE 20ml

Code  
CS500



## CD & DVD LENS CLEANER

Will clean a CD laser lens without having to dismantle the player.  
This unique disc has narration and music. Simply insert the  
disc, press play and a voice will guide you through the process!  
Although primarily a CD, this will clean DVD players (single laser).

Code  
HN3103



## TAPE HEAD CLEANER

### RF CHEMICAL TECHNOLOGY

Fast drying solvent for use on  
magnetic tape heads to maintain peak  
performance. Clean sharp images.  
Clear sound reproduction.

Size Code  
250ml/175g RF60



Highly flammable. Send by road transport only.

## LENSCENE CD & DVD LENS CLEANER

### CD & DVD & BLUERAY PLAYERS

An optical lens-cleaning disk which  
is fitted with two micro-brushes for  
safe and effective dust removal.

Code  
ABDC000



## ADVANCED CLEANING CLOTH

### NO-SCRATCH CLOTH

Special material cloth for  
cleaning opticals like camera  
and laser lenses, glasses,  
etc. Non-abrasive cleaning  
of plastics like CDs, DVDs,  
Screens, etc. No lint. No  
residue. Made in Japan.

Size Code  
150x150mm CLN1515

### ISOPROPYL ALCOHOL

Type Code  
Bottle 20ml CS500



CD Not Included







# Tools and Test Equipment

## □ Cleaning Swabs and Applicators

### CHEMTRONICS® SWABS AND APPLICATORS

Professional products designed for servicing consumer electronics with a complete line of ultra-pure swabs and wipes engineered to be highly absorbent and precise. Supplied sealed packaged



### COTTONTIPS™

Pharmaceutical grade extremely soft, absorbent, rigid shaft. Pieces 100

QTY	Code
100x	CT100



### COTTONTIPS™ LOW LINT

Pharmaceutical grade, tightly wound absorbent, general purpose. Pieces 1000

QTY	Code
1000x	CT5000



### COTTONTIPS™ 2 HEAD

Pharmaceutical grade extremely soft, absorbent, both ends. Pieces 100

QTY	Code
100x	CT2000



### CHAMOIS TIPS™

Ultra-Clean flat swab for Video Heads & Optical pick-ups. Pieces 50

QTY	Code
50x	CC50



### MICROTIPS™ MEDIUM

Non-abrasive fibre pinpoint for solvent & adhesive applications. Pieces 50

QTY	Code
50x	CM502.



### FOAMTIPS™ #100

Lint-free non-abrasive cellular urethane cleaning swabs. Pieces 50

QTY	Code
50x	CF50



### FOAMTIPS™ #140

Small Circular Head. For tight hard to reach applications. Pieces 50

QTY	Code
50x	CF4050



### DAICHI 75mm CHAMOIS SWAB

#### 75mm 10 PIECES

High quality synthetic chamois tipped with 45° angled shaft. Gives easy reach, non-abrasive cleaning for video heads, etc. Packaged in bags of TEN. Approx. 75mm length

QTY	Code
x10	VCS10



### DAICHI FOAM TIP

#### 150mm 20 PIECES

Ridged wooden shaft Tipped with a sponge Foam applicator, etc.

QTY	Code
x20	VCS20



### DAICHI COTTON BUDS

#### 150mm 100 PIECES

Ridged wooden shaft white cotton tipped

QTY	Code
x100	ACS100



## □ Gloves

### GLOVES GENERAL PURPOSE COTTON

#### 100% COTTON SOFT

Stretch comfortable. Protect hands and equipment from finger prints, etc. Re-usable, cleanable. One size fits all! Supplied in pairs.

Code
GLV2



### GLOVES ESD REUSABLE NYLON

#### STATIC DISSIPATIVE COATED

Elastic wrist cuffs Palm and finger coated with antistatic urethane for a non-slip grip.

Size	Code
Small	GLV2ESDS
Medium	GLV2ESDM
Large	GLV2ESDL



Items Not Included

### GLOVES ESD DISPOSABLE

#### 100% NITRILE "SAFE"

Powder free Nitrile examination gloves. Special formula without allergens, silicone, etc. (1V). BSEN455:2000 ISO9002.EN46002. Hypersensitive feel. 50 pairs supplied in a dispenser box.

Size	QTY	Code
Small	100x	GLV100S
Medium	100x	GLV100M
Large	100x	GLV100L







## Brushes

### ANTISTATIC BRUSHES

#### CONDUCTIVE FIBRE

Synthetic bristles and conductive black fibres. Dissipative polypropylene black handles are able to remove charges to ground. Brushes minimize static charge generation and dissipate ESD charges to ground when held by grounded personnel. Remove dirt from PCB's or other sensitive components, and discharge static electricity. Heat Resistance up to 80°C. Mild Chemical and Acid Resistance. Handle surface resistivity 1MΩ-1GΩ (PP). Bristle surface resistivity 10MΩ-10GΩ (Nylon). Anti-static Nylon bristle with Ø 0.12mm.

#### 17mm ESD BRUSH

Long (29mm) Thick Bristles (Hard)

Size	Code
17mm	ESD-B05



#### 18mm ESD BRUSH

Short (18mm) Thin Bristles (Soft)

Size	Code
18mm	ESD-B04



#### 32mm ESD BRUSH

10mm width with triple bristle rows

Size	Code
10x32mm	ESD-B01



#### 32mm ESD BRUSH

Single bristle row

Size	Code
32mm	ESD-B07



#### 55mm ESD BRUSH

Single bristle row

Size	Code
55mm	ESD-B09



#### 60mm ESD BRUSH

12mm width with Triple bristle rows

Size	Code
12x60mm	ESD-B02



#### 65mm ESD BRUSH

32mm wide with five bristle rows

Size	Code
32x65mm	ESD-B06



### BRUSH ESD DUSTER 10mm

#### HORSE HAIR BRUSH

Zinc plated steel handle.  
1cm Tuft oval brush for general ESD safe dusting  
Quality instrument.  
Low loss of fibres.  
Long life Horse hairs.  
120mm length handle.

Code
HT2033



### BRUSH ESD SCRUBBER 10mm

#### HOG BRISTLE DOUBLE ENDED

Zinc plated steel handle.  
1cm Tuft oval brush for general ESD safe scrubbing  
2nd Chiselled brush end for tight corners, etc.  
Long life Hog bristles.  
120mm length handle.

Code
HT2032



### BRUSH ESD SCRUBBER SMALL

#### ESD BRISTLE 4" SCRUBBER

Static neutral plywood  
3 row hog bristle brush  
Conductive plastic ESD safe bristles on reinforced plywood. Handle 120mm  
Bristle 12mm

Code
HT2021



### BRUSH DUSTER SCRUBBER MINI

#### HOG BRISTLE 4" CLEANER

Static neutral plywood  
single row hog bristle flat, wide head design Compact quality tool Long life hog bristle Length 110mm Head 30mm Wide

Code
HT2027



### BRUSH HEAVY-DUTY LARGE

#### HORSE HAIR 10" SCRUBBER

Static neutral plywood 4 row horse hair brush General utility scrubbing 12mm trim length. Firm, long-life Horse hair. Handle 265mm Bristle 12mm

Code
HT2022



### PAINT BRUSHES

#### POLY-BRISTLE

Classic paint brush  
Wooden handle Quality Nylon bristle clamped wont loose stray hairs  
Four popular sizes...

Size	Code
1"	HT9025
2"	HT9050
3"	HT9075
4"	HT9100







# Tools and Test Equipment

## Hardware

## Power Tools

### ELECTRIC SCREWDRIVER WITH 18 BITS

A handy electric screwdriver for all those around the house jobs. Features a comfortable moulded grip, reverse and forward modes, an LED for those hard to see spots, and carry pouch. The drill has three adjustable configurations from the traditional gun style to a cylindrical shape for applying extra pressure on stubborn screws or bolts. Also comes with phillips, flat, torx and hex bits suitable for most applications.

Code  
CD2497



Torque: 2.5Nm  
Voltage: 4.8V  
Drill time: 40 mins  
Included bits: Pozzi (PZ0, PZ1, PZ2, PZ3)  
Phillips (PH0, PH1, PH2, PH3)  
Torx (T10, T15, T20, T25)  
Hex (H3, H4)  
Bit Extender  
Mains charger included  
270x45x37mm

### GLUE GUN 60W

Bonus plastic case includes glue sticks  
Trigger action gun 11mm glue sticks (x6)

Code  
NGG60D



### HEAT GLUE STICKS

Order One to Receive ten  
11mm x 100mm Pack of 10

Code  
NGGS10



## Drill Bits

### TITANIUM COATED HSS DRILL BITS

#### INDIVIDUAL DRILL BITS

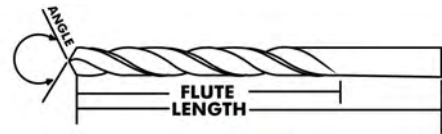
Excellent replacement solution for your popular drill bits. Re-fill missing bits from your expensive drill-bit kit box. These professional grade drill bits are made from durable HSS Steel with Titanium Nitrate coating. This technology coating acts as a surface lubricant that reduces friction at the cutting surface and thus heat, this effectively increases the life of the cutting face. Sharpness is maintained longer for a better value drill life. Suitable for drilling most surfaces including metals & alloys.

#### METRIC SIZES

Diam.	Flute	Length	Angle	Code
1.5mm	18mm	40mm	118°	HSS15
2.0mm	24mm	49mm	118°	HSS20
2.5mm	30mm	57mm	118°	HSS25
3.0mm	33mm	61mm	135°	HSS30
3.5mm	39mm	70mm	135°	HSS35
4.0mm	43mm	75mm	135°	HSS40
4.5mm	47mm	80mm	135°	HSS45
5.0mm	52mm	86mm	135°	HSS50
5.5mm	57mm	93mm	135°	HSS55
6.0mm	57mm	93mm	135°	HSS60
6.5mm	63mm	101mm	135°	HSS65
7.0mm	69mm	109mm	135°	HSS70
7.5mm	69mm	109mm	135°	HSS75
8.0mm	75mm	117mm	135°	HSS80
8.5mm	75mm	117mm	135°	HSS85
9.0mm	81mm	125mm	135°	HSS90
9.5mm	81mm	125mm	135°	HSS95
10.0mm	87mm	135mm	135°	HSS100

#### IMPERIAL SIZES

Diam.	Metric	Flute	Length	Angle	Code
1/8"	3.12mm	36mm	65mm	135°	HSS18
1/8"	3.12mm	36mm	65mm	135°	HSS18PK







## □ Drill Bits

### DRILL BIT SET + HEX BITS

**POWER TITANIUM DRILL KIT**  
11 Pieces drills Titanium coated  
Hardened steel Metric sizes  
1.5mm to 10mm PLUS !  
12 Assorted Hex Bits. Phillips,  
Torx, etc.. HEX Extension piece.  
Handy storage box.

Code  
A8764



### 19 PIECE METRIC DRILL BIT SET

#### PREMIUM GRADE BITS

Titanium Nitride Coated. Extra long life and extra High speed drill set. Quality and professional. Packaged in a metal box. 19 Metric sizes for drilling wood, metal and plastic, etc. 1.00mm to 10.00mm (0.5mm increments)  
Pieces 19x

Code  
DB13845



## □ Drill Chucks

### 1/4" CHUCK ADAPTOR

#### EASY CHUCK

Accepts up to 4mm  
Twist to tighten  
Quick-fit into standard  
1/4" socket Use with  
drills and hand tools  
Made in Taiwan

Code  
HT2010



### REPLACEMENT DRILL CHUCK

#### THREE-JAW KEYLESS CHUCK

Hammer drills, or battery, or  
Pneumatic powered tools.  
Tighten or loosen by hand  
Nylon sleeve. Steel body.  
Mount 3/8" x 24 UNF

Size	Code
0.8-10mm	KC31073
2.0-13mm	KC30818



### 3 PIECE STEP DRILL SET

#### PANEL HOLE CUTTERS

Titanium Nitride Coated  
Hardened tungsten steel.  
Dual Flute cutting head.  
Equivalent to 23 pieces.  
Ideal for panel drilling.  
Auto de-burrs the holes.  
Quick-change 1/4" HEX bits.  
Popular sizes 3mm to 20mm  
in three different bits.

Code  
HT13847



### HOLE SAW KIT 16MM - 64MM

#### EIGHT PIECES

Comprises two mandrel bits  
A Pilot bit for the larger Steel  
circle cutters x8

Sizes:  
19mm, 22mm, 30mm, 32mm,  
38mm, 44mm, 54mm, 64mm.

Code  
HT22095



### CEILING CUTTER

#### ADJUSTABLE 40mm TO 300mm

Dual, replaceable blades. Pilot hole centring for cutting from both  
sides giving a maximum of 50mm thickness. Spring loaded clear  
cawling holds place. Suitable for  
plaster board & other soft wall  
& ceiling materials. Suits any  
standard power or cordless drills.

Code  
PAX265



#### BLADES TO SUIT

Replacement Blades (x2)

Code  
PAB266

## □ Pop Rivet

### POP RIVET TOOL

#### HAND TOOL GRIPWELL

25mm long Aluminium diecast  
With changeable nosepieces  
Suits 3/32, 1/8, 5/32, 3/16"  
2.5mm 3.2mm 4mm 5mm  
(x15 ea.) Kit includes 60x  
Rivets & box.

Code  
PA26448



### SHORT BLIND RIVETS

#### Head 3.2mm x 6mm

Aluminium rivets Steel pins (40mm)  
Bag of 100 pieces

Code  
BRVT326

#### Head 4mm x 10mm

Code  
SCPR1



X100





# Tools and Test Equipment

## □ Screws

### SCREW GAUGE CONVERSION

Metric to Imperial Gauge guide Note, Screw pitch may also differ.

Gauge Diameter	Clearance Hole	Pilot Hole Wood	Pilot Hole Metal
6G	3.5mm	3.6mm	1.6mm
7G	3.9mm	4.0mm	1.6mm
8G	4.2mm	4.4mm	2.0mm
10G	5.0mm	5.2mm	2.0mm

### HEX WASHER HEAD SELF TAP

#### BAG OF 100 PCS

Black zinc plating case hardened  
Carbon steel 1022a Pack of 100 pcs.

Size	Code
3.9x13mm	STH3913
3.9x16mm	STH3916
3.9x22mm	STH3922



### HEX WASHER HEAD SELF-DRILL SCREWS

#### BAG OF 100 PCS

Gold zinc plating case hardened  
Carbon steel 1022a Pack of 100 pcs.

Size	Code
3.9x13mm	SDH3913
3.9x16mm	SDH3916
3.9x22mm	SDH3922



### WIDE PAN HEAD SELF-DRILL SCREWS

#### BAG OF 100 PCS

Gold zinc plating case hardened  
Carbon steel 1022a Pack of 100 pcs.

Size	Code
3.9x13mm	SDP3913
3.9x16mm	SDP3916
4.2x32mm	FRBHS832



### METAL SELF-DRILL SCREWS

#### BAG OF 100 SCREWS

Wafer Head Self-Drill  
Metal work screws Fine  
Threaded Zinc yellow

Size	Code
10G x 22mm	SWTS1022
10G x 30mm	SWTS1030



### WIDE PAN HEAD SELF TAP

#### ZINC

Wide Phillips head for Gyprock  
Drywall self tapper wood screw

Size	Code
8G x 15mm	SBTN815
8G x 25mm	SBTN825
8G x 32mm	SBTN832



### NYLON PLASTERBOARD ANCHOR

#### 7 GAUGE

QTY	Code
x100	SCR1021



### FLAT HEAD NYLON NAIL

Size	Code
5mm x 25mm	NNF5025
5mm x 40mm	NNF5040
5mm x 50mm	NNF5050
6.5mm x 25mm	NNF6525
6.5mm x 40mm	NNF6540
6.5mm x 50mm	NNF6550



100 pieces per pack

### SCREW WALL PLUGS

NOTE:- Order one to receive a bag of 100 pcs.

Length	Drill	Screw	Code
25mm	5mm	4-5-6	WP25W
25mm	6.5mm	10-12	WP25G
25mm	6mm	8-9	WP25R



### PAN HEAD SCREWS

#### BAG OF 100x SCREWS

Pan-head Needle Point.

Size	Code
6G x 20mm	SPNP620
6G x 30mm	SPNP630
6G x 50mm	SPNP650



### HEX HEAD SCREWS

#### BAG OF 20x HEX HEAD SCREWS

Hex-head 1/4" (6.35mm) Phillips head  
Suit medium and MDF/HDF  
Black anodised finish.  
Supplied 20 per packet.

Size	Code
8G x 20mm	STS7B
10G x 25mm	STS8B



### ALLEN KEY DRESS SCREWS

Metric head 3mm I/D  
Round Outer 7mm O/D  
Self-Tap around 4mm  
20mm in depth/length  
Supplied bag of 20x  
Black in colour

Size	Code
4mm	AS420-20



### COUNTER-SUNK SELF TAP

Case hardened carbon steel zinc plated  
Suit MDF/HDF Chipboard 1022a 100pcs

Size	Code
4.0x13mm	STC4013
4.0x19mm	STC4019



### BUGLE HEAD SCREWS

Size	Code
7G x 20mm	SBHP720
7G x 25mm	SBHP725
7G x 30mm	SBHP730
7G x 35mm	SBHP735
7G x 45mm	FRBH745
7G x 50mm	SBHP750
8G x 50mm	SBHP850
8G x 63mm	SBHP863



### ZINC ALLOY PLASTERBOARD ANCHOR

#### 7 GAUGE

QTY	Code
100	SCR1002



### MUSHROOM HEAD NYLON NAIL

Size	Code
5mm x 25mm	NNM5025
5mm x 40mm	NNM5040
5mm x 50mm	NNM5050
6.5mm x 25mm	NNM6525
6.5mm x 40mm	NNM6540
6.5mm x 50mm	NNM6550



100 pieces per pack





## □ Screws

### HEX HEAD BOLTS 8MM

5mm Bolt & 0.8mm Thread  
HEX HEAD BOLT (ONLY)

Size	Code
M5x26mm	HB0826
M5x40mm	HB0840

### HEX NUT & WASHER

Metal with Inbuilt nylon locking collar

Size	Code
M5(8mm)	HNW508



### HEX HEAD BOLTS 10MM

7mm Bolt & 1.0mm Thread  
HEX HEAD BOLT (ONLY)

Size	Code
M6x12mm	HB1012
M6x26mm	HB1026
M6x40mm	HB1040

### HEX NUT & WASHER

Metal with Inbuilt nylon locking collar

Size	Code
M6(10mm)	HNW610



### HEX HEAD BOLTS 13MM

9mm Bolt & 1.25mm Thread  
HEX HEAD BOLT (ONLY)

Size	Code
M8x12mm	HB1312
M8x26mm	HB1326
M8x40mm	HB1340

### HEX NUT & WASHER

Metal with Inbuilt nylon locking collar

Size	Code
M8(13mm)	HNW813



## NUT & BOLT KITS

### BAGS OF NUTS/BOLTS/WASHERS

Pan head Posi Bolt x50  
Nut x50 & Washer x50

#### M3 [3mm Hole]

Size	Code
M3	M350KB

#### M4 [4mm Hole]

Size	Code
M4	M450KB



## NUTS & BOLTS

### M3 NUTS

Size	Code
M3	YC85

### M3 METAL SCREWS

Size	Code
M3 x 10mm	YC81

### M3 SPRING WASHERS

Size	Code
M3	YC84



## SCREW KIT 950 PIECE

### SCREW KIT 950 PIECE

Tackle box with popular self drilling wood & metal self-tap screws. Bugle, Button, Pan and Washer Head type screws. 950 pieces.

Code
SCR950



## □ Storage Boxes

### TACKLE BOX COMPONENT TRAY

#### 7 COMPARTMENTS

175x145x35mm  
Plastic tray storage bin for holding small items.

Code
PSC1003



### TACKLE BOX COMPONENT TRAY

#### 17 COMPARTMENTS

275x180x40mm  
Plastic tray storage bin for holding small items.

Code
PSC1005



### TACKLE BOX COMPONENT TRAY

#### 32 COMPARTMENTS

290x220x75mm Double sided.  
With removable walls. 2 Lids.  
Carry handle.

Code
PSC1006



## TOOL BOX

### 19" WITH TRAY

480x230x210mm  
Plastic. lockable.  
Internal tray

Code
TC1007



TOOLS NOT INCLUDED

## WATER RESISTANT RUGGED CASES

### POLYPROPYLENE RUBBER SEALED IPX7

Keep all your valuable equipment safe from water, dust and knocks! Easy-cutting customisable foams inside. You can cut out the shape that suits your equipment and protects it from any unexpected drops or bumps. Pressure relief valve allows for gradual pressure equalization.

Size	Code
246x175x77mm	PPC-08BK
420x327x186mm	PPC-13BK
430x380x154mm	PPC-16BK
515x415x158mm	PPC-21BK
560x355x290mm	PPTC-26BK
625x420x340mm	PPTC-28BK







# Tools and Test Equipment

## □ Inspection Cameras

### SNAKE INSPECTION CAMERA USB & OTG

#### REQUIRES LAPTOP OR ANDROID®

Flexible 3 foot metal goose-neck.  
Poly coated ingress protected Metal tip  
White illuminated LEDs.  
Windows® 8/10 USB2 (2M lead inc.)  
Android with OTG (2M lead Inc.).  
Includes software CD.  
VGA CMOS 648x488px  
Field Of View 54°  
Focus 60mm to Infinite  
Neck 930 x 6.5mmØ  
End 55x 8mmØ  
Total 1150mm



Code  
USB206OT



### SNAKE INSPECTION CAMERA 2.3"

- 2.3" TFTLCD screen
- 8mm waterproof camera head with LED light
- 1m flexible extended tube
- Waterproof capacity IP67
- Minimum illumination 0 (LED ON)
- Video system PAL/NTSC
- Includes 4 useful accessories hooks, mirror and magnet
- Power supply 4 x AA batteries (not included)
- Packed in deluxe plastic hard case

Code  
G6100



### SNAKE INSPECTION CAMERA WIFI

#### USE A SMART PHONE AS THE VIEWING SCREEN

- WIFI transmission, supports iPhone®, iPad® and Android devices
- Mini 9mm water-proof Camera with 1 metre flexible extended tube.
- Video recording and photo capture capability 3x Zoom capability
- Adjustable brightness on lens mounted LED light
- Hook, Mirror, Magnet included
- Requires 4x AA Batteries
- IP67 Waterproof
- Includes travel case

Code  
G6900



### EXTENSION CABLE GATOR

#### 1 METRE GOOSENECK

Suits G6100, G6900, G8100, G9500HC

Code  
EC1



### SNAKE INSPECTION CAMERA WITH WIFI

#### ANDROID & iOS®: iBOREScope OR iSNAKESCOPE

The camera has a gooseneck length of 0.88m, and 2 bright white LEDs at the tip of the camera to provide lighting. The unit uses WiFi with a free App (iBorescope) allows video streaming, but also allows the capture of screenshots and video to your mobile device. Supported Platform: iOS perform (iPhone 3G/ iPhone 4/iPhone 4S/ iPhone 5/iPad/iPad2/ iPad3, Android v2.2+

Code  
WIC3003



### SNAKE INSPECTION CAMERA 2.4" RECORD

#### WITH BUILT-IN RECORDING

Code  
G8100



- 2.4" TFTLCD screen
- 640x480 resolution video recording
- 8mm camera head
- Waterproof camera IP67
- Video system PAL
- Minimum illumination 0 Lux
- Requires 4x AA batteries (not included)
- Supports up to 32GB Micro SD card (not included)



### SNAKE INSPECTION CAMERA 3.5" WIRELESS

#### RECORDING & ZOOM WITH CARRY CASE

1 Metre long metal gooseneck 7mmØ  
9mmØ CMOS Camera FOV 36°  
LED Illuminated brightness adjust  
IP67 Submersible head & neck  
195x165x55mm pistol casing  
Detachable wireless monitor  
3.5" LCD 640x480px  
Hook, mag, mirror tips  
Pistol Requires 4x "AA"  
Monitor inbuilt rechargeable  
Mains charger included  
Recorder function to MicroSD Card required.  
Video output to RCA  
USB for file transfer  
Digital zoom. OSD.  
Includes carry case.

Code  
G9500HC



SCREEN DETACHES



### CAMERA HEAD UPGRADE

#### 5.8mm DIAMETER HEAD 1M LONG

Extra flexible camera head solution.  
IP65. 640x480px CMOS CCD

Code  
CH58





# Power & Lighting



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# Power & Lighting

## Batteries Primary

### Titan Ultra-Alkaline

#### TITAN ULTRA-ALKALINE

Ultra Alkaline is especially designed for the most popular portable electronic devices. These high performance batteries have a superb operating time to maximise your value for dollar.

Exclusive to WES. Titan Ultra-Alkaline is a new generation of chemistry that offers higher energy density to maximise battery performance and extend product shelf life.

- New Alkaline Formula
- Long 7 Year Shelf Life
- Higher Power density



#### 'AAA' 1050mAh TITAN ALKALINE BLISTER PACK

Exclusive to WES. These Ultra-Alkaline batteries give superior power for your dollar. Supplied in a hanger display card.

- Long 7 Year Shelf Life
- High Power 1050mAh
- Hanger card 4 pieces

Pack of	Code
4	TN-LR03BP4



#### 'AA' 2550mAh TITAN ALKALINE BLISTER PACK

Exclusive to WES. Ultra-Alkaline offers higher energy density to maximise battery life in an economical package. Supplied in hanger cards of four pieces.

- Long 7 Year Shelf Life
- High Power 2550mAh
- Hanger card 4 pieces

Pack of	Code
4	TN-LR6BP4



#### 'AAA' 1050mAh TITAN ALKALINE SHRINK WRAP

Exclusive to WES. These Ultra-Alkaline batteries give superior power for your dollar. Supplied in bulk shrink-wrap.

- Long 7 Year Shelf Life
- High Power 1050mAh

Pack of	Code
4	TN-LR03SP4



#### 'AA' 2550mAh TITAN ALKALINE SHRINK WRAP

Exclusive to WES. Ultra-Alkaline offers higher energy density to maximise battery life in an economical package. Supplied in bulk shrink wrapped pairs.

- Long 7 Year Shelf Life
- High Power 2550mAh

Pack of	Code
4	TN-LR6SP4



#### 'AAA' 1050mAh TITAN ALKALINE BOX

Exclusive to WES. These Ultra-Alkaline batteries give superior power for your dollar. Supplied in a handy quantity pack of 24 pieces.

- Long 7 Year Shelf Life
- High Power 1050mAh
- Pack of 24 pieces

Pack of	Code
24	TN-LR03BX24



#### 'AA' 2550mAh TITAN ALKALINE BOX

Exclusive to WES. Ultra-Alkaline offers higher energy density to maximise battery life in an economical package. Supplied in handy quantity box of 24 pieces.

- Long 7 Year Shelf Life
- High Power 2550mAh
- Pack of 24 pieces

Pack of	Code
24	TN-LR6BX24



#### '9V' 330mAh TITAN ALKALINE BLISTER PACK

Exclusive to WES. Ultra-Alkaline offers higher energy density to maximise battery life in an economical package. Supplied in a hanger card.

- Long 7 Year Shelf Life
- High Power 330mAh

Pack of	Code
1	TN-6LR61



#### BATTERY TESTER

Handy device for testing a vast range of batteries from 1.5 volt button to "D" size and 9 volt transistor batteries etc.

Code
BT0333







## Alkaline Batteries

### TOSHIBA ALKALINE

Long Lasting Power!  
New Improved 200%  
High Surge Current  
Long Shelf Life Full  
Power after 5 Years  
of Storage Protected  
against Physical  
shock for Portable  
Use, etc.



### TOSHIBA ALKALINE "AAA"

#### Shrink-wrap Pair

Pack of	Code
2	TSLR3SP

#### Blister pack quad

Pack of	Code
4	TSLR3-BP4



### TOSHIBA ALKALINE "AA"

#### Shrink-wrap Pair

Pack of	Code
2	TSLR6SP

#### Blister pack quad

Pack of	Code
4	TSLR6-BP4



### TOSHIBA ALKALINE "C"

Order one & receive  
a shrink-wrap pack  
of two batteries.  
0% Mercury  
0% Cadmium

Pack of	Code
2	TSLR14



### TOSHIBA ALKALINE "D"

Order one to receive  
a packet of two  
batteries.  
0% Mercury  
0% Cadmium

Pack of	Code
2	TSLR20



### TOSHIBA ALKALINE 9V

Metal Jacket  
0% Mercury  
0% Cadmium

Type	Code
Bulk	TS6LR61SP
Card	TS6LR61BP



### FUJITSU ALKALINE

The Fujitsu Universal  
Power range of alkaline  
batteries are engineered  
in Japan and feature:  
The highest anti-leakage  
reliability thanks to  
the latest anti-leakage  
and anti-corrosion  
technology.

JAPAN



### FUJITSU ALKALINE "AAA"

#### Blister-pack

Pack of	Code
2	LR03UBP2
4	LR03UBP4
20	LR03UBP20

#### Shrink-wrap

Pack of	Code
2	LR03USP2



### FUJITSU ALKALINE "AA"

#### Blister-pack

Pack of	Code
2	LR6UBP2
4	LR6UBP4
20	LR6UBP20

#### Shrink-wrap

Pack of	Code
2	LR6USP2
4	LR6USP4



### FUJITSU ALKALINE "C"

#### Blister-pack

Pack of	Code
2	LR14UBP2

#### Shrink-wrap

Pack of	Code
2	LR14USP2



### FUJITSU ALKALINE "D"

#### Blister-card

Pack of	Code
2	LR20UBP2

#### Shrink-wrap

Pack of	Code
2	LR20USP2



### FUJITSU ALKALINE "9V"

#### Blister-card

Pack of	Code
1	6LF22UBP1

#### Shrink-wrap

Pack of	Code
1	6LF22USP1







# Power & Lighting

## Alkaline Batteries

### PANASONIC ALKALINE

#### Up to 7 year expiry date

Suitable for use across a wide range of devices from low-drain items like remote controls to those with high energy consumption needs such as digital cameras. Whatever your device, you can expect reliable power and lasting performance from Panasonic.

# Panasonic®

### PANASONIC ALKALINE "AAA"

Pack of Code  
2 LR03T/2B

#### PACK OF FOUR AAA

Pack of Code  
4 LR03T/4B



### PANASONIC ALKALINE "AA"

Pack of Code  
2 LR6T/2B

#### PACK OF 4

Pack of Code  
4 LR6T/4B

#### PACK OF 12

Pack of Code  
12 LR6T/12B



### PANASONIC ALKALINE "C"

Pack of Code  
2 LR14T/2B



### PANASONIC ALKALINE "D"

Pack of Code  
2 LR20T/2B



### PANASONIC ALKALINE 9V

Pack of Code  
1 6LR61T/1B



### PANASONIC EVOLTA

#### \*LONGEST LASTING ALKALINE EVER !

"In laboratory tests following the international standards, Evolta outperformed other leading manufacturers by the average of 10-30%"



# EVOLTA

### PANASONIC EVOLTA "AAA"

Pack of Code  
2 LR03EG/2B

#### PACK OF FOUR

Pack of Code  
4 LR03EG/4B



### PANASONIC EVOLTA "AA"

Pack of Code  
2 LR6EG/2B

#### PACK OF FOUR

Pack of Code  
4 LR6EG/4B



### PANASONIC EVOLTA "C"

Pack of Code  
2 LR14EG/2B



### PANASONIC EVOLTA "D"

Pack of Code  
2 LR20EG/2B



### PANASONIC EVOLTA 9V

Pack of Code  
1 6LR61EG/1B







## □ Lithium Batteries

### LITHIUM "AAA" ENERGIZER

**LASTS UP TO 5 TIMES  
LONGER THAN ALKALINE!**

And Weighs 30% less!  
10 year shelf life  
Blister Packaged in pairs

Pack of	Code
2	L92-BP2



### LITHIUM "AA" ENERGIZER

**LASTS UP TO 5 TIMES  
LONGER THAN ALKALINE!**

AND Weighs 30% less!  
Long 10 year shelf life  
Blister pack Energizer

Pack of	Code
2	L91-BP2
4	L91-BP4



### LITHIUM "AAA"

#### PACK OF TWO

High power lithium  
1.15Ah

Pack of	Code
2	FR03BP2



### LITHIUM "AA"

#### PACK OF TWO OR FOUR

High power lithium  
2900mAh

#### Pack of 2

Pack of	Code
2	5021003-BP2

#### Pack of 4

Pack of	Code
4	1512-0002-BP4



### LITHIUM 9V BATTERY METAL

**SUIT SMOKE  
ALARMS, etc.**

Premium metal  
cased Lithium.  
Shelf Life of over  
ten years !

Capacity	1200mAh (120mA peak)
Size	17.5x26x49mm (Oversized)
Code	U9VL



### LITHIUM 9V BATTERY PLASTIC

**MICROPHONES, etc.**

Plastic case version  
of U9VL Slightly  
smaller so as to fit.

Capacity	1200mAh (120mA peak)
Size	17x26x49mm
Code	U9VL-FP



## □ Carbon Batteries

### PANASONIC CARBON-ZINC

#### HEAVY-DUTY

Metal Jacket  
Will Not Leak  
Carbon Zinc  
Mercury Free  
Cadmium Free.  
Supplied in a  
Blister pack for  
hanging.



### PANASONIC CARBON "AAA"

"Heavy Duty" Metal  
Casing. Order One to  
Receive Two Batteries  
packaged in blister card

NLA - See  
Panasonics Alkaline  
Range on page 08-4



### PANASONIC CARBON "AA"

"Heavy Duty" Metal  
Casing Order One to  
Receive Four Batteries  
packaged in blister card

Pack of 4
Code R6DP



### PANASONIC CARBON "C"

"Heavy Duty" Metal  
Casing Order One to  
Receive a blister  
card pack of two.

Pack of 2
Code R14DP



### PANASONIC CARBON "D"

"Heavy Duty" Metal  
Casing Order One to  
Receive a blister  
card pack of two.

Pack of 2
Code R20DP



### CARBON BATTERY 9V

Carbon-zinc type  
0% MERCURY  
0% CADMIUM  
Packaged in a  
Blister pack.

Pack of 1
Code 6F22



## □ Manganese Batteries

### TOSHIBA HEAVY DUTY

#### MANGANESE-DIOXIDE

Metal cased  
Environmentally Clean  
& Friendly Mercury  
Free Cadmium Free  
Highly Reliable  
Latest Technology  
Economically Priced  
Packaged in shrink wrap



### TOSHIBA MANGANESE "AAA"

#### SUPER-HEAVY-DUTY

Order one and  
Receive a shrink-  
wrap pack of two.  
0% Mercury  
0% Cadmium

Pack of 2
Code 2R03UG



### TOSHIBA MANGANESE "AA"

#### SUPER-HEAVY-DUTY

Order One to receive a  
shrink-wrap packet of four.  
0% Mercury  
0% Cadmium

Pack of 4
Code 4R6KG



### TOSHIBA MANGANESE "C"

Order one and  
you receive two  
packaged together  
in shrink-wrap.

0% Mercury  
0% Cadmium

Pack of 2
Code 2R14KG



### TOSHIBA MANGANESE "D"

Shrink-wrap  
packaged in pairs.

Order one to  
receive two.

0% Mercury  
0% Cadmium

Pack of 2
Code 2R20KG



### TOSHIBA HEAVY-DUTY 9V

No cadmium or  
mercury added.  
Blister card packaged.

Pack of 1
Code TS6F22KBP







## Battery Holders

### BATTERY SNAP 9 VOLT

Lead 150mm  
Code LIC601



### 4X "AA" CELL HOLDER

15x25x110mm  
150mm wires.

Lead 150mm  
Code LIC505



### 6X "AA" CELL HOLDER

30x45x60mm

Code LIC507



### 2X "AAA" CELL HOLDER

15x22x52mm  
LIC303 is screw-down

Lead 150mm 140mm  
Code LIC302 LIC303



### 4X "AA" CELL HOLDER

15x25x110mm

Code LIC505B



### 8X "AA" CELL HOLDER

30x60x60mm  
Battery Snap

Code LIC509



### 4X "AAA" CELL HOLDER

25x25x50mm  
Lead Length 150mm

Lead 150mm  
Code LIC304



### 4X "AA" CELL HOLDER

30x30x60mm

Lead 150mm  
Code LIC501C



### 8X "AA" CELL HOLDER

30x60x60mm  
150mm wires

Lead 150mm  
Code LIC508



### 2X "AA" CELL HOLDER

15x25x60mm

Lead 150mm  
Code LIC503



### 4X "AA" CELL HOLDER

30x30x60mm

Code LIC501B



### 10X "AA" CELL HOLDER

30x60x75mm  
150mm wires

Lead 150mm  
Code LIC510



### 2X "AA" CELL HOLDER

15x25x60mm

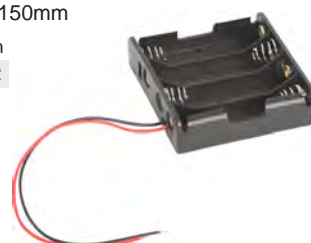
Code LIC503B



### 4X "AA" CELL HOLDER

15x60x60mm  
Lead Length 150mm

Lead 150mm  
Code LIC502



### 4X "C" CELL HOLDER

25x55x110mm  
Battery Snap

Code LIC201



### 3X "AA" CELL HOLDER

15x45x60mm

Lead 150mm  
Code LIC513



### 4X "AA" CELL HOLDER

15x60x60mm  
Battery Snap

Code LIC502B



### 4X "D" CELL HOLDER

30x75x140mm

Code LIC101







## Special Sizes

### SPECIAL SIZES

PREMIUM GRADE  
UNIQUE SHAPES



### 1.5V ALKALINE "AAAA"

Volts 1.5  
Size "AAAA"  
Equiv. 4061,  
LR61,  
E96  
Code E96-BP2



### 1.5V ALKALINE "N"

Pager Battery size "N", "Lady".  
LR1, MN9100, E90, 910A, AM5.

Size 28x12mmØ  
Code LR1U/BP1



### 4.5V ALKALINE

Replaces Mercury Type M133 4.5V

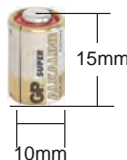
Capacity 580mAh  
Equiv. Varta V21PX,  
E/R 523, Also  
M133 PX21  
Volts 4.5V  
Code A133



### 6V ALKALINE

Suit car alarm remotes, lighters.  
Blister pack.

Size 15x10mmØ  
Power 6V  
Code GP11A



### 6V ALKALINE CAMERA

Premium Varta battery for cameras, etc.

Equiv. 4LR44, 537,  
7240  
Size 13Ø x 25mm  
Code 4LR44



### 6V ALKALINE

M164A V164PX  
HM-4N 4/PC640A  
Photo, Pager, etc.

Equiv. M164A  
Size 17 x 45mm  
Power 6V 335mAh  
Code A32PX



### 9V ALKALINE PENCIL

Used in car alarms, etc.

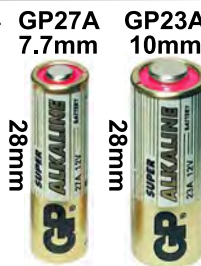
Equiv. Code  
GP25A, GP29A  
GPA32  
L1022, GP10A  
10A



### 12V ALKALINE PENCIL

Used in car alarms, etc.

Equiv. Code  
LR27A GP27A  
LR23A GP23A



### 15V ALKALINE 2/3" AA"

Original MN154,  
Part No 10LR54, 504,  
220A  
Size 2/3 "AA"  
Volts 15V  
Code V74PX



### 4.5V TORCH BICYCLE LANTERN

Special 3 cell Alkaline  
4.5V 6300mAh Varta.

Equiv. Varta 4012, 4912  
Size 62x67x22mm  
Volts 4.5V  
Code 3LR12



### 15V BATTERY

Terminals at opposite ends  
Eveready #411  
NEDA 208  
37x26x16mm

Code  
EVER411



### 9V SMOKE ALARM BATTERY

ALKALINE  
HEAVY-DUTY

Code  
6F22

LITHIUM  
10 Year Stand-By

Code  
U9VL



### 9V DRY BATTERY

Power 4300mAh  
Volts 9V  
Size 66x52x81mm  
Equiv. Varta 439,  
PP9, 276  
Code V439



### 276P Battery Snap

Code  
LIC276P

### 6V LANTERN BATTERY

Panasonic  
Popular large Torch battery  
Heavy-Duty Carbon Zinc.  
May be substituted with  
Varta if stock runs out.  
115x67x67mm 550g

Code  
4R25



### 6V LANTERN BATTERY

Fujitsu PJ996/4R25

Popular large Torch battery  
Heavy-Duty Carbon Zinc  
115x67x67mm 550g

Code  
FJ-4R25



### 6V LANTERN BIG-JIM

Varta Carbon Zinc  
2x V431 enclosed  
137x73x114mm  
+ Screw terminals  
6V 1900mAh

Equiv. 731,  
1231,  
GP9185,  
M918  
Original 4R25/2  
Part No  
Code V540







# Power & Lighting

## □ Lithium Batteries

### 3V LITHIUM CAMERA BATTERY CR1/3N

Type	CR-1/3N (3V)
Size	10x12mmØ
Code	CR13N



### 6V LITHIUM CAMERA BATTERY 2x 1/3 N

Type	2CR-1/3N (6V)
Equiv.	28PXL
Size	25x13mm
Code	2CR13N



### CRP2 LITHIUM CAMERA

Panasonic Lithium packaged.  
EL223A, DL223A, etc.

Code	CRP2
------	------



### CRV3 LITHIUM CAMERA BATTERY

Panasonic OR Sanyo  
FR6, LB-01/E, 1CP3152, etc.

Code	CRV3
------	------



### 2CR5 LITHIUM CAMERA

Lithium packaged. EL2CR5,  
DL245B, etc.

Code	2CR5
------	------



### CR123A LITHIUM CAMERA

Lithium packaged. EL123A,  
DL123A, etc.

Code	CR123A
------	--------



### CR2 LITHIUM CAMERA

Volts	3V
Power	750mAh
Size	27x15Ømm
Code	CR2



### 3V LITHIUM ½"AA" VARTA

Size 25x15mmØ 950mAh

#### STANDARD

Varta CR½AA

Code	CR6127
------	--------

#### AXIAL LEADS

Varta CR½AA-CD

Code	TCR6127
------	---------

#### PCB MOUNT (3PIN)

Varta CR½AA-SLF

Code	TCR6127P
------	----------



### 3.6V LITHIUM ½"AA" TEKCELL

3.6 V 1200mAh

Size	Equiv.	Code
25x15mmØ	LS3, TO451, TC45, Tadiran TL-2150/S	SB-AA02P

#### AXIAL LEADS

Code	SBAA02AX
------	----------



### 3V LITHIUM 2/3"AA" VARTA

#### STANDARD

Varta CR2/3AA 1350mAh.

Volts	Size	Code
3V	34x15mmØ	CR6237

#### AXIAL LEADS

Code	TCR6237
------	---------



### 3V LITHIUM "AA" VARTA

#### STANDARD

Varta CR-AA 2000mAh

Volts	Size	Code
3V	51x15mmØ	CR6117

#### AXIAL LEADS

Code	TCR6117
------	---------



### 3.6V LITHIUM "AA" TEKCELL

Volts	3.6V
Power	2400mAh
Size	51x15mmØ
Equiv.	LS6, TO651, TC85, Tadiran TL-2100/S
Code	SB-AA11

#### AXIAL LEADS

Equiv.	TO6/56, TL2100P, TC85A
Code	SB-AA11AX



### 3V LITHIUM BR-C \*ROAD TRANSIT ONLY!

"C" Size 26x50mm 3V 5000mAh  
Panasonic Quality. Made in Japan.

Code	BRC3
------	------

#### TAGGED

Code	TBRC3
------	-------



### 3.6V LITHIUM \*ROAD TRANSIT ONLY!

Button or Tagged. Max discharge 80mA.

C size 50x26mmØ \*  
8.5Ah LSH14 TL2200S

Type	Code
Button	SBC02
Tagged	SBC02T

D size 60x33mmØ \*  
19Ah LSH20 TL2300S

Type	Code
Button	SB-D02
Tagged	SBD02T







## Lithium Batteries

### 3V LITHIUM CR1/3N

Type	CR-1/3N (3V)		
Size	10x12mmØ		
Pins	No Pin	2 Pin	3 Pin
Code	CR13N	TCR13NP2	TCR13NP3



### 6V LITHIUM 2x 1/3 N

Type	2CR-1/3N (6V)
Equiv.	28PXL
Volts	6V 160mAh
Size	25x13mm
Code	2CR13N



### 3V LITHIUM 1/2 AA

3V 850mAh

Size	25x15Ømm
Code	CR14250SE



#### TAGGED

Code	TCR14250SE
------	------------

### 3V LITHIUM 2N

Volts	3V 1500mAh
Size	60x12Ømm
Code	CR12600SE

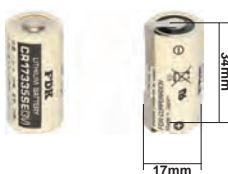


#### TAGGED

Code	TCR12600SE
------	------------

### 3V LITHIUM 2/3A

Volts	3V 1800mAh
Size	34x17Ømm
Code	CR17335SE



#### TAGGED

Code	TCR17335SE
------	------------

### 3V LITHIUM 2/3A

Panasonic 3V 1200mAh

#### RAISED BUTTON

Code	BR2/3A
------	--------



#### TAGGED

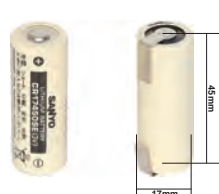
Code	TBR23A
------	--------

#### PCB 3-pin

Code	TCBR23A
------	---------

### 3V LITHIUM 9/10A

Volts	3V 2500mAh
Size	45x17Ømm
Code	CR17450SE



#### TAGGED

Code	TCR17450SE
------	------------

### 3.6V TADIRAN LITHIUM

Used in computers, etc.  
TL5134, TL5135, etc.

Volts	3.6V/1Ah	3.6V/1.7Ah
Height	6.5mm	10mm
Code	TL-5934	TL-5935



### 3.6V TADIRAN LITHIUM

Memory backup battery suitable for PLC/CNC.  
Replaces TI 405, 435, MC-BATT, Koyo DL405.

Volts	3.6V/420mAh
Height	6.8mm
Code	TL4986



### 3.6V LITHIUM BACKUP

#### TADIRAN

3.6V 2400mAh 18x16x62mm

Equiv.	EP5242W, 1LS6, Tadiran TL-5242/W, TCB850
Code	TL5242W



### 3.6V TADIRAN TL5209W TL2150P

SBAA02AX NOW REPLACES TC45A

Code  
SBAA02AX  
TL5209W & TL2150P IS NLA.  
However, you could re-use the original plug & lead with our Lithium cell. **Take note of the polarity and insulate with tape.** 3.6V 850mAh ½AA Tagged:



### 3.6V LITHIUM 1/2AA

1/2AA Lithium battery. 3.6V 1.2Ah

Type	1/2AA (3.6V)
Size	28.5x16.5mmØ
Code	ER14250W

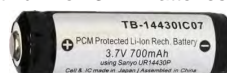


## Lithium Ion Rechargeable

### MORE LI-ION BATTERIES

#### AND CHARGERS TO SUIT

Lithium Ion 3.7V Batteries



See Page 08-24



## Mercury Batteries

### MR44 REPLACEMENT SR44/V76PX

Volts	1.55V
Size	5x12mm
Equiv.	228, 357, D357, GP357, H-C, MR44, RPX680, RW22, RW42, SB-B9, SR44W, V13GS, V541
Code	SR44



### MR9 REPLACEMENT

LR9 1.5V Alkaline Battery Substitutes for an older 1.35V Mercury cell of similar size.  
Replaces LR9, 625A, AG625, PX625A, V625U

Volts	1.5V
Size	6.15x15.4mmØ
Suits	Vatra
Code	LR9-BP1



### V400PX REPLACEMENT

S400PX NOW REPLACES V400PX & S936S

Volts	1.55V
Size	3.6x11.6mm
Equiv.	H-B, RW36, 242, SR42, S936S, V400PX
Code	S400PX



### A14PX REPLACEMENT

3V Alkaline. Replaces 2.7V Mercury battery: V14PX, 2MR9, EPX14, H-2D, PX14, RPX14,

Equiv.	Size	Code
Alkaline Type	16x17mm Ø	A14PX

This product is no longer available in mercury 2.7V version. Products formerly using the mercury battery can use this alkaline battery



## Silver Oxide Batteries

### 1.55V SILVER OXIDE SR44

SEE BUTTON CELL PAGE  
Many more styles and shapes  
1.5V Card qty is 5pcs.

Size	5x12mm
Code	SR44



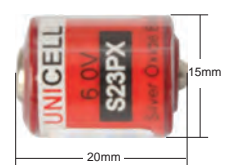
#### Sold in singles

Order 5 pieces for a single card.

### 6.2V SILVER OXIDE

Dog collar battery, etc.  
Silver oxide cell that also replaces an older 5.4V mercury battery of similar dimensions.

Volts	6.2V
Size	20x15mmØ
Equiv.	PX23, S23PX, V23PX
Code	S23PX-BP1







# Power & Lighting

## □ Button Cells

### BUTTON BATTERIES

PRICES are for ONE SINGLE BATTERY only.

They are supplied individually or in blister cards.  
The quantity per card is listed so that where possible you may order in card quantities.

e.g.  
order 10x 'LR44' and receive a card with 10 batteries, or  
order 5x 'CR2032' and receive a card with 5 batteries.



**Order One To Receive One!**

**Order Multiples to receive a card**

### ALKALINE MANGANESE 1.5V

Qty Per Card	Size DXH mm	IEC Cross Reference			Varta etc.	Code
		Duracell	Toshiba	Eveready		
		Maxell				
10	7.9x3.6	LR41	192		V36A	LR41
10	11.6x4.2	LR43	186, G12, 10L124, SR43W, GP86		RW84, V12GA	LR43
10	11.6x5.4	LR44	357, EXP76, A7,6 RW82, G13		V13GA, AG13	LR44
10	6.8x2.6	LR626	66, 606, 625, 377		AG04, V377	LR626
10	11.6x2.0	LR55	191		V8GA	LR1120
10	11.6x3.0	LR54	189		RW89, V10GA	LR1130

### SILVER OXIDE 1.55V

Qty Per Card	Size DXH mm	IEC Cross Reference			Varta etc.	Code
		Duracell	Toshiba	Eveready		
		Maxell				
5	7.9x3.6	SR41W	384, 392, 527, 547, G3		V392	SR41SW
5	11.6x4.2	SR43W	S41E, 386, 548, MS41H, RS41G, G12		V386, V12GS	SR43
5	11.6x3.6	SR42	242, RW36		V344	SR42
1	12x5mm	SR44W	S76, EXP76, 357, 541, RW42, MS76		V13GS, V357	SR44
5	7.9x5.4	SR754W	D393, 393, RW15		V393	SR48
5	4.8x2.2	SR421	348, SBA6		V348	SR421SW
5	5.8x1.7	SR62	317		V317	SR516
5	5.8x1.25	SR512	335, 280-68, 622		V335	SR512
5	5.8x2.2	SR63	379		RW50, V379	SR521
5	5.8x2.7	SR527SW	319		V319	SR527
5	6.8x1.7	SR65	321		RW38, V321	SR616
5	6.8x2.2	SR60	364, 531		G1, RW31, V364	SR621
5	6.8x2.6	SR66	377, D2V, RW39, RW37		V377	SR626
5	7.9x1.7	SR67	311, 315		RW40, V315	SR716
5	7.9x2.2	SR58	362, 532		G11, RW19, V362	SR721
5	7.9x2.6	SR59	396, 397, 556, 536, RW26, RW29		V396, V397	SR726
5	9.5x1.7	SR68	373		RW41, V373	SR916
5	9.5x2.1	SR69	371, SB-AN		RW30, V371	SR920
5	9.5x2.7	SR57	395		RW25, V395	SR927
5	9.5x3.6	SR45	394		RW27, V394	SR936
5	11.6x1.7	SR1116SW	366		V366	SR1116
5	11.6x2.0	SR55	381, SB-DS		RW34, V381	SR1120
5	11.6x3.0	SR54	390, SB-AU		RW11, V390	SR1130

### LITHIUM 3V

Qty Per Card	Size	Code
5	10x2.5mm	CR1025
5	12x1.6mm	CR1216
5	12x2.0mm	CR1220
5	16x1.6mm	CR1616
5	16x2.0mm	CR1620
5	16x3.2mm	CR1632
5	20x1.6mm	CR2016
5	20x2.5mm	CR2025
5	20x3.2mm	CR2032
1	23x2.0mm	CR2320
1	23x2.5mm	CR2325
1	23x3.0mm	CR2330
1	23x5.4mm	CR2354
5	24x3.0mm	CR2430
5	24x5.0mm	CR2450
1	24x7.7mm	CR2477
1	30x3.2mm	CR3032



Some of the above CR/BR batteries are available with PCB mounting pins... SEE the next page...

FOR TAGGED BATTERIES PLEASE SEE THE FOLLOWING PAGES...

## □ ZINC AIR - READ ME

### ZINC AIR - READ ME

Zinc Air batteries have four little air holes. The bottom (positive end) of the zinc-air battery has a tab that seals these holes keeping the air out until the battery is ready to be used. When the tab is removed, the battery starts "working".



### ZINC AIR

#### HEARING AID - V230A

Order One To Receive  
A Card of SIX

Size 5.8Ø x 3.6mm

Volts 1.4V 70mAh

Code V10-BP6



When the tab is removed,  
the battery starts "working".

### ZINC AIR

#### HEARING AID

Order One To Receive  
A Card of SIX

Size 7.9Ø x 5.4mm

Volts 1.4V 240mAh

Code V13-BP6



When the tab is removed,  
the battery starts "working".

### ZINC AIR

#### HEARING AID

Order One To Receive  
A Card of SIX

Size 7.9Ø x 3.6mm

Volts 1.4V 140mAh

Code V312-BP6



When the tab is removed,  
the battery starts "working".

### ZINC AIR

#### HEARING AID

Order One To Receive  
A Card of Six

Size 11.6Ø x 5.4mm

Volts 1.4V 600mAh

Code V675-BP6



When the tab is removed,  
the battery starts "working".

### ZINC AIR

#### COCHLEAR IMPLANT

Nucleus BTE Speech  
A Card of Six

Size 11.6Ø x 5.4mm

Volts 1.4V 520mAh

Code V675P-BP6



When the tab is removed,  
the battery starts "working".





## □ Button Cells, Lithium Batteries

### 3V MEMORY LITHIUM

Button Cells with Tags. Highest Quality. OEM specifications. BR, CR, DL are interchangeable.



### BR1220-1VC 12.5X2mm

Volts	3.0V
Power	35mAh
Ø	12.5mm
Height	2.0mm
Pins	3.25mm
Code	BR1220-1VC



### CR1220-FH 12.5x2mm

Volts	3.0V
Power	35mAh
Ø	12.5mm
Height	2.0mm
Pins	10mm
Code	CR1220-FH



### CR2025-FH1 20x2.5mm

Volts	3.0V
Power	155mAh
Ø	20.0mm
Height	2.5mm
Pins	20mm
Code	CR2025-FH1



### CR2032-1HS 20x3.2mm

Volts	3.0V
Power	220mAh
Ø	20.0mm
Height	3.2mm
Pins	15mm
Code	CR2032-1HS



### CR2032-1HFE 20x3.2mm

Volts	3.0V
Power	220mAh
Ø	20.0mm
Height	3.2mm
Pins	20mm
Code	CR2032-1HFE



### CR2032-FH1 20x3.2mm

Not-Insulated

Volts	3.0V
Power	220mAh
Ø	20.0mm
Height	3.2mm
Pins	20mm
Code	CR2032-FH1



### CR2032-1HM 20x3.2mm

Volts	3.0V
Power	220mAh
Ø	20.0mm
Height	3.2mm
Pins	20mm
Up	8mm
Code	CR2032-1HM



### CR2032-1GUF 20x3.2mm

Power	220mAh
Ø	20.0mm
Height	3.2mm
Pins	20mm(±)
+2	10mm(+)
Code	CR2032-1GUF



### CR2032-1GVF 20x3.2mm

Volts	3.0V
Power	220mAh
Ø	20.0mm
Height	3.2mm
Pins	4mm(±)
+2	10mm(+)
Code	CR2032-1GVF



### CR2032-1F2 20x3.2mm

Volts	3.0V
Power	220mAh
Ø	20.0mm
Height	3.2mm
Pins	Opp' Tags
Code	CR2032-1F2



### BR2325-1HC 23x2.5mm

Volts	3.0V
Power	165mAh
Ø	23.0mm
Height	2.5mm
Pins	20mm
Code	BR2325-1HC



### CR2354-1GUF 23x5.4mm

Volts	3.0V
Power	560mAh
Ø	23.0mm
Height	5.4mm
Pins	18mm(±)
+2	10mm(+)
Code	CR2354-1GUF



### CR2354-1VC 23x5.4mm

Volts	3.0V
Power	560mAh
Ø	23.0mm
Height	5.4mm
Pins	10mm~
Code	CR2354-1VC



### CR2430-RV 25x3mm

Volts	3.0V
Power	280mAh
Ø	24.5mm
Height	3.0mm
Pins	3.0mm(±)
+2	10mm(+)
Code	CR2430-RV



### CR2430-FH 25x3mm

Volts	3.0V
Power	280mAh
Ø	24.5mm
Height	3.0mm
Pins	20mm
Code	CR2430-FH



### CR2430-RH1 24.5x3mm

Power	280mAh
Ø	24.5mm
Height	3.0mm
Pins	20mm(±)
+2	10mm(+)
Code	CR2430-RH1



### CR2450-NFH 24.5x3mm

Volts	3.0V
Power	280mAh
Ø	24.5mm
Height	3.0mm
Pins	20mm(±)
Code	CR2450-NFH



### CR2450-NRH 24.5x5mm

Volts	3.0V
Power	560mAh
Ø	24.5mm
Height	5.0mm
Pins	20mm(±)
+2	10mm(+)
Code	CR2450-NRH



### CR2450-NRV 24.5x5mm

Volts	3.0V
Power	560mAh
Ø	24.5mm
Height	5.0mm
Pins	5mm(±)
+2	10mm(+)
Code	CR2450-NRV



### CR2477-1HF 24.5x7.7mm

Volts	3.0V
Power	1000mAh
Ø	24.5mm
Height	7.7mm
Pins	20mm(±)
Code	CR2477-1HF



### VL2020-1VC 20x2mm

Rechargeable

Volts	3.0V
Power	20mAh
Ø	20.0mm
Height	2.0mm
Pins	10mm(±)
Code	VL2020-1VC



### VL2330-1HF 23x3mm

Rechargeable

Volts	3.0V
Power	50mAh
Ø	23.0mm
Height	3.0mm
Pins	20mm(±)
Code	VL2330-1HF



### VL3032-1GUF 30x3.2mm

Rechargeable

Volts	3.0V
Power	20mAh
Ø	30.0mm
Height	3.2mm
Pins	10mm(±)
Code	VL3032-1GUF







# Power & Lighting

## □ Batteries Rechargeable

## □ Chargers

### SUPER-FAST CHARGER 2-3Hrs

#### WITHOUT BATTERIES

Super-Fast Ni-MH Charger  
Charge 2700mAh in 3Hrs  
Safety timer and thermal protected. IC controlled.  
Powered by Mains or car adaptor (included). Slim & light weight. Excellent value!

Code  
V1851

#### REQUIRES BATTERIES

"AA" or "AAA" Cells



### 8 CELL CHARGER

#### "AAA" OR "AA"

Recharges lots of batteries at once  
From 1 to 8 cells Up to 2700mAh in less than 3 Hrs 240Vac or 12Vdc  
Temperature sense microprocessor  
delta V monitor  
Charges NiMH cells

Code  
NC8700



### COMPACT PLUG CHARGER

#### DIRECT MAINS PACK

Charges 2 or 4 batteries  
"AA" or "AAA" NiMH  
Cells Excellent portable solution Travel Compact.  
44x80x105mm 240Vac  
Plugs directly into the power point socket. User intervention required for charge termination.  
Charges AA 250mAh

Code  
NC4250



### UNIVERSAL BATTERY CHARGER

#### Ni-Cd & Ni-MH

Recharges: AAA, AA, C, D and 9V batteries  
Cut-off function so does not over-charge  
Accepts various combinations of batteries  
200 x 100 x 46mm (Batteries not included.)

Code  
MB3514



### BATTERY CHARGER IN-CAR

#### 12VDC ACCESSORIES PLUG

Quick-Charger 2-3 Hour for rapid charging of "AA" or "AAA" cells  
Charges a battery Pair  
Heat sensors protect during rapid charge.  
Bad cell detection.

Code  
V3288



### UNIVERSAL FAST CHARGER

#### AAA AA C D 9V Ni-Cd Ni-MH BATTERIES NOT INCLUDED

Fully automatic & protected.  
Car and Mains adaptors inc.  
Chargers Higher Capacity (Times longer than quoted)  
4x AAA 900mAh (2.5Hrs)  
4x AA 2500mAh (3.5Hrs)  
4x C 4500mAh (6Hrs)  
4x D 8500mAh (12Hrs)  
2x 9V 200mAh (16Hrs)

Code  
V2299



BATTERIES NOT INCLUDED

### BATTERY CHARGER USB

#### PLUGS INTO A LAPTOP

Plug into a laptop or desktop computer and standard charge a pair of NiCd or NiMH cells.  
Suits "AA" or "AAA"  
2x "AA" 2500mA

Code  
BC0803



#### WITHOUT BATTERIES

Code  
NC2200USB

### UNIVERSAL RAPID CHARGER

#### AAA / AA / C / D / 9V - NiMH

Smart LCD Battery Charger  
AAA, AA, C, D and 9V NiMH  
Input 240Vac or 12Vdc

Code  
NC800U



\*Batteries not included.





## Chargers With Batteries

### ULTRA-FAST CHARGER 1.5Hrs

#### 4X ProLink 2700mAh "AA"

Ultra-Fast Ni-MH Charger. Charges 2700mAh in 1.5Hrs! Suits AA and AAA batteries. Safety timer and thermal protected. IC controlled. Mains or car adaptors. 240Vac or 12Vdc Slim & light weight. Excellent value! Batteries included

Code  
V1880



### SUPER-FAST CHARGER 2-3Hrs

Super-Fast Ni-MH Charger. Charges 2700mAh in 3Hrs Suit AA & AAA batteries. Safety timer and thermal protected. IC controlled. Mains or car adaptors. Slim & light weight. Excellent value!

#### 4X ProLink 2700mAh "AA" Batteries Included

Code  
V1850

#### CHARGER ONLY WITHOUT BATTERIES

Code  
V1851



### TRAVEL RAPID CHARGER KIT 3Hrs

#### INCLUDES 4X 2500mAh "AA"/"C"/"D" Batteries

Bonus adaptors converts AA Cells Into 2x"C" and 2x"D" Size batteries Super fast Ni-MH charge 2Ah in 2Hrs International voltage travel charger Charges from 100V-240Vac mains or 12Vdc accessories adaptor (included) Also charges from 5Vdc USB (Slower) Microprocessor controlled 6 Stages Fully protected, thermal & timer with charge Status indicators

Code  
BC0903



### "ENELOOP" RECHARGEABLE



#### READY TO USE Ni-MH

Holds its charge for a long time (years!) Modern style packaging. New Ni-MH technology from Panasonic in Japan. Chargers supplied with 4x AA Eneloop Standard Capacity batteries.

### ENELOOP EXPRESS CHARGER Ni-MH

#### INCLUDES 4x ENELOOP AA BATTERIES

Quick 2 Hour charger suits any Ni-MH AAA or AA Batteries. Travel Charger 100V-240Vac with bonus 4x "AA" Eneloop Standard capacity 1900mAh batteries.

#### Charge Times:

2000mAh: 1xAA=75min, 2xAA=110min, 4xAA=220min  
800mAh: 1xAAA=65min, 2xAAA=100min, 4xAAA=200min

Code  
K-KJ16MCC4TA

Includes four "AA" Batteries



### ENELOOP CHARGER Ni-MH - PANASONIC

#### INCLUDES 4x ENELOOP AA BATTERIES

The new Eneloop AA/AAA battery standard charger features the charging of 2 or 4 AA or AAA NiMH cells. The travel battery charger accepts 100-240Vac, and includes the bonus 4x AA Eneloop Ni-MH high capacity 1900mAh batteries. Charge Time for completely flat batteries: approx. 10hours.

Code  
K-KJ51MCC4TA







# Power & Lighting

## Eneloop Batteries

### AAA ENELOOP PACK

#### READY TO USE Ni-MH

New Ni-MH technology. Holds its charge for a long time (years!) Modern style packaging. Works with any NiMH charger.

Size	"AAA"	"AAA"
mAh	800	800
QTY	x2	x4
Code	BK-4MCCE/2BA	BK-4MCCE/4BA



### AAA ENELOOP BULK

New Ni-MH technology. Holds its charge longer.

#### BULK

Type	mAh	QTY	Code
STD	800	x1	HR-4UTGB

#### TAGGED

Type	mAh	QTY	Code
TAG	800	x1	HR-4UTGB-TAG



### AA ENELOOP PACK

#### READY TO USE Ni-MH

New Ni-MH technology. Holds its charge for a long time (years!) Modern style packaging. Works with any NiMH charger.

Size	"AA"	"AA"
mAh	2000	2000
QTY	x2	x4
Code	BK-3MCCE/2BA	BK-3MCCE/4BA



### AA ENELOOP BULK

New Ni-MH technology. Holds its charge longer.

#### BULK

Type	mAh	QTY	Code
STD	2000	x1	BK-3MCCE-BULK

#### TAGGED

Type	mAh	QTY	Code
TAG	1900	x1	BK-3MCCE-TAG



### AAA ENELOOP PACK - HIGH CAPACITY

#### ENELOOP PRO FOR PROFESSIONAL USE

Eneloop High capacity Ni-MH batteries have a minimal capacity of 900mAh and can have up to 950mAh. They can hold 85% of the charge after 1 year which is superior than alkaline batteries, these can be recharged up to 500 times with any Ni-MH charger!

Volts	1.2V
Size	"AAA"
mAh	950
QTY	x4
Code	BK-4HCCE/4BT



### AAA ENELOOP PRO BULK - HIGH CAPACITY

1.2V 950mAh

#### BULK

Type	mAh	QTY	Code
STD	950	x1	BK-4HCCE-BULK

#### TAGGED

Type	mAh	QTY	Code
TAG	950	x1	BK-4HCCE-TAG



### AA ENELOOP PACK - HIGH CAPACITY

#### ENELOOP PRO FOR PROFESSIONAL USE

Eneloop High capacity Ni-MH batteries have a minimal capacity of 2450mAh, and can have up to 2550mAh. They can hold 85% of the charge after 1 year which is superior than alkaline batteries, these can be recharged up to 500 times with any Ni-MH charger!

Volts	1.2V
Size	"AA"
mAh	2550
QTY	x4
Code	BK-3HCCE/4BT



### AA ENELOOP PRO BULK - HIGH CAPACITY

1.2V 2550mAh

#### BULK

Type	mAh	QTY	Code
STD	2550	x1	BK-3HCCE-BULK

#### TAGGED

Type	mAh	QTY	Code
TAG	2550	x1	BK-3HCCE-TAG



### AAA READY-TO-USE

#### PRE-CHARGED NiMH AAA

New generation rechargeable. Sold fully charged like an alkaline battery and with better performance too. But able to be recharged in any Ni-MH fast charger.

Power	1100mAh
Volts	1.2V
Size	"AAA"
QTY	2
Code	BSTAAA1100



### AA READY-TO-USE

#### PRE-CHARGED NiMH AA

New generation rechargeable. Referred to as ready to use. Sold fully charged like an alkaline battery and works in any NiMH fast-charger.

Power	2300mAh
Volts	1.2V
Size	"AA"
QTY	2
Code	BSTAA2300







## Ni-MH Batteries

### AAA Ni-MH 950mAh

**PRO-LINK BULK**  
Shrink Wrap Pair

QTY	Code
2	PRB950-SP2

**PACKAGED TWIN-PACK**  
ProLink Blister Pack

QTY	Code
2	PRB950-BP2



### AA Ni-MH 2700mAh

**PRO-LINK BULK**  
Shrink Wrap Pair

QTY	Code
2	PRB2700-SP2

**PACKAGED TWIN-PACK**  
ProLink Blister Pack

QTY	Code
2	PRB2700-BP2



### C VANSON Ni-MH "READY-TO-USE"

**EXCELLENT ECONOMY**  
Packaged in pairs. Buy one to receive a pack of two.

QTY	Code
2	C3000C/2



### C Ni-MH 4500MAH

NiMH rechargeable battery  
Baby C / HR14 / 1.2V  
Very low self-discharge in consequence of the maxE technology

QTY	Code
2	RB592



### D VANSON Ni-MH "READY-TO-USE"

**EXTRA LONG LIFE**  
Packaged in pairs. Buy one to receive a pack of two.

QTY	Code
2	C3000/D2



### D NiMH 5000MAH

NiMH rechargeable battery  
Mono D / HR20 / 1.2V  
Very low self-discharge in consequence of the maxE technology

QTY	Code
2	RB593



### 9V Ni-MH

**7 CELL HiCap**  
Blister Packed Card  
8.4V 200mAh

Code
MP-9V



### 9V Ni-MH 300mAh

**BLISTER CARD**  
Blister Packed Card Super  
Quick Charge Long Cycle Life  
6F22, 26.5x48.5x17.5mm,  
8.4V, 300mAh

Code
RB591



### C & D ADAPTOR OPTION

Hollow plastic barrels adapts to C or D size. Use any "AA" batteries with the following pair of adaptors and save on batteries and chargers.

QTY	Size	Code
4	"C"	BT5C4
4	"D"	BT5D4



AA Cells Not Included

### AAA Ni-MH BARE-END

The bare end shorts a contact in some products so as to identify the battery a re-chargeable.

Power	1.2V 700mAh
Size	44x10.2mmØ
Type	NiMH
Code	RB382




Bare End






**"FLAT TOP"**



HEIGHT

**"RAISED BUTTON"**



HEIGHT

**READ ME!: BATTERY TERMINALS**

General purpose batteries that are compatible with everyday electronics use the "Raised Button" type battery terminals. The other type of terminal is "Flat Top". This may not be compatible with some applications because the contact does not protrude from the battery casing enough. Please check. The templates below are a general guide for reference. Please note that the dimensions listed in the text *includes* the terminal height.

Please accept this as a *fast find* guide only. Calipers may prove much more reliable!

Do not use metal calipers on an exposed battery

2/3  
AF

F

1/2 SC

1/3  
AA

D

SC

2/3  
AA

N

6/7 AF  
or  
4/5 A

1/2 D

5/4  
AA

A  
A  
A  
A

5/4 AF  
or  
4/3 A

3/5 C

4/5 SC

4/5  
AA

1/3  
AAA

2/3 A

C

6/5 SC

AA

A  
A  
A

AF

SCALE:

100mm

1cm<sup>2</sup>





## □ Ni-Cd Batteries

### SANYO & PANASONIC OEM Ni-CD [NICKEL-CADMIUM] BATTERIES

This range of sealed nickel cadmium batteries by Sanyo is famous for their long life & reliability. Where possible, genuine, made in Japan cells of the highest quality are supplied, however, if stock becomes unavailable, a substitute battery from Fujitsu FDK or other manufacturer will be supplied. Please order by our CAD code.

Diam. = Diameter in millimetres

Height = Height in millimetres

16H = Standard charge is 14 - 16 hours

4-6H = Fast charge current 4 - 6 hours

Form = Batteries come standard or tagged



### STANDARD Ni-Cd BATTERIES (STANDARD SERIES)

Economical general purpose battery. Yellow in colour.

Original Part No	Size	Diam.	Height	16H	4-6H	mAh	Style	Button	Code
N-110AA	1/3AA	14.5	17.0	11	33	110	TAGGED	F	CAD106
N-600AA	AA	14.2	50.0	60	180	700	STD	R	CAD130
N-600AA	AA	14.2	50.0	60	180	700	TAGGED	R	CAD131
KR-4400D	D	34.0	61.0	440		4400	STD	R	CAD190
KR-4400D	D	34.0	61.0	440		4400	TAGGED	R	CAD191
KR-7000F	F	34.0	91.0	700		7000	TAGGED	R	CAD196

### HIGH CAPACITY Ni-Cd BATTERIES (E SERIES)

The EXTRA range is for extended battery life with its higher amp hour capacity.

Original Part No	Size	Diam.	Height	Chrg	mAh	Style	Button	Code
N-700AACL	AA	14.2	50.0	70	700	STD	F	CAD232
N-700AACL	AA	14.2	50.0	70	700	TAGGED	F	CAD233
IF1000AA	AA	14.2	50.0	100	1000	STD	F	CAD242
IF1000AA	AA	14.2	50.0	100	1000	TAGGED	F	CAD243
KR-1200AAE	5/4AA	14.2	65.0	120	1200	TAGGED	F	CAD241
KR-1200AAE	6/7AF	17.0	43.0	125	1250	TAGGED	F	CAD252
KR-1700AU	AF	17.0	50.0	170	1700	TAGGED	F	CAD262
KR-1800SCE	SC	23.0	43.0	180	1800	TAGGED	R	CAD271

### FAST CHARGE Ni-Cd BATTERIES (R & CP SERIES)

The following range of FAST CHARGE batteries offers both the high capacity of the above ranges plus the ability to accept large charging currents enabling a very fast charge time of as short as one hour.

Original Part No	Size	Diam.	Height	14H	1H	mAh	Style	Button	Code
NC-1700SCR	4/5SC	23.0	34.0	170	2600	1700	TAGGED	F	CAD341
N-1300SCR	SC	23.0	43.0	130	2000	1300	STD	R	CAD345
N-1300SCR	SC	23.0	43.0	130	2000	1300	TAGGED	R	CAD346
N-1700SCR	SC	23.0	43.0	170	2600	1700	STD	R	CAD355
N-1700SCR	SC	23.0	43.0	170	2600	1700	TAGGED	R	CAD356
NC-1900SCR	SC	23.0	43.0	200	2500	2000	STD	F	CAD357
NC-1900SCR	SC	23.0	43.0	200	2500	2000	TAGGED	F	CAD358
NC-2500SCR	SC	22.0	43.0	250	3750	2500	TAGGED	F	CAD615
N-3000CR	C	26.0	50.0	300	4500	3000	STD	F	CAD365
N-3000CR	C	26.0	50.0	300	4500	3000	TAGGED	F	CAD366

### HIGH-TEMP Ni-Cd BATTERIES (H SERIES) & OTHER\* HIGH TEMP REPLACEMENT CELLS

Operating temperature range; Charge 0°/70°C, Discharge -20°/70°C, Storage -30°/70°C, Long-Term -20°/40°C.

Original Part No	Size	Diam.	Height	14H	1H	mAh	Style	Button	Code
KR-AAH	A	14	49	20	60	600	TAGGED	R	CAD510
KR-SCH	SC	23	43	40	120	1200	TAGGED	R	CAD515
KR-CH	C	26	50	65	200	1800	TAGGED	R	CAD517
NC-D4500HT	D	33	59	150	450	4500	TAGGED	R	CAD526







# Power & Lighting

## Industrial Batteries

### AAA Ni-MH TAGGED



Dimensions	43x11mmØ			
Volts	1.2V			
mAh	730	950	800	950
Description	HR-AAA	Prolink	Eneloop	Eneloop
Code	RB511	PRB-AAA950	HR-4UTGB-TAG	BK-4HCCE-TAG

### 2/3 AA Ni-MH

Size	27.4 x 16.3mmØ
Ni-MH	1.2V 1000mAh

Code	RB604
------	-------



### 5/4 AAA Ni-MH TAGGED

Sanyo	HR-5/4AAAU
Shape	5/4 AAA
Style	Tagged
Power	1.2V 760mAh, (830mAh Typical)
Size	48 x 11mm Ø
Code	RB513



### 4/5 AA Ni-MH TAGGED

Varta	VH1350AA
Sanyo	HR-4/5AAU
Pana'	HHR-120AA

Power	1.2V 1220mAh
Size	14.5Ø x 43mm
Style	STD
Code	RB519



### AA Ni-Cd RAISED-BUTTON

Raised Button Type  
N3U

Type	Power	Code
STD	600mAh	CAD130
TAG	600mAh	CAD131



### 4/5 A Ni-MH TAGGED

Style	Tagged
Varta	VH1800-4/5AF
Sanyo	HR-4/5AU
Shape	4/5 A, 4/5 AF

Power	1.2V 1950mAh
Size	17Ø x 42mm
Code	RB523



### AA Ni-Cd FLAT BUTTON

Standard(STD) or Tagged(TAG)  
Flat Button Type Cells

Type	Power	Code
STD	700mAh	CAD232
TAG	700mAh	CAD233
STD	1000mAh	CAD242
TAG	1000mAh	CAD243



### A Ni-MH TAGGED

Style	Tagged
Varta	VH2700-AF
Sanyo	HR-AU
Shape	AF or AU

Power	1.2V 2450mAh, (2700mAh Typical)
Size	17Ø x 50mm
Code	RB525



### AA Ni-MH TAGGED



Dimensions	50x14mmØ			
Volts	1.2V			
mAh	1650	2700	1900	2550
Description	HR-AAU	Prolink	Eneloop	Eneloop
Code	RB521	PRB-AA2700	BK-3MCCE-TAG	BK-3HCCE-TAG

### 4/3 A Ni-MH TAGGED

Sanyo	Tagged	
Power	1.2V 4000mAh	1.2V 4500mAh
Size	17Ø x 66mm	18Ø x 68mm
Code	RB532	RB533



### AA-SHORT Ni-MH 1600mAh

Flat top no button tagged

Yuasa	AAO1600
Sanyo	HR-AAUL
Varta	VH1200
Style	Tagged

Power	1.2V 1600mAh
Size	14Ø x 49mm
Code	RB522



### F Ni-MH

F13000HT Industrial "F"  
Sub button.

Power	13000mAh
Size	33Ø x 89mm
Code	RB613







## PROLINK Ni-MH "C" & "D"

### RAISED BUTTON

High capacity Ni-MH  
"C" 5000mAh

Code  
MPH-C5000A

### "D" 8000mAh

Code  
MPH-D8000A



## C Ni-Cd INTEC

1.2V 3000mAh

Original IC3000C  
Part No  
Size 25mmØx50mm  
Code P240C

### TAGGED

Code  
TP240C



## 1/2 C Ni-Cd

Brand Intec  
Capacity 1.2V 650mAh  
Size 25mmØx24.5mm  
Code IC700C

### TAGGED

Code  
TIC700C



## D Ni-MH TAGGED

### PROLINK TAGGED

Power 8000mAh  
Code MPH-D80T



## 1/2 D Ni-Cd TAGGED

TAGGED  
Moltech  
1.2V, 2500mAh,  
1/2D, 32Øx36mm  
Code  
TET2500D



## LANTERN RECHARGEABLE

Sealed lead acid  
Power 6.0V 5000mAh  
Suit 6V5A/20HR  
Size 96x66x66mm  
Code DM65S



## SUB-C Ni-Cd

### SANYO

Type	Power	Code
TAG	1800mAh	CAD271

### FAST CHARGE

Power	Style	Button	Code
1300mAh	STD	R	CAD345
1300mAh	TAGGED	R	CAD346
1700mAh	STD	R	CAD355
1700mAh	TAGGED	R	CAD356
2000mAh	STD	F	CAD357
2000mAh	TAGGED	F	CAD358
2500mAh	TAGGED	F	CAD615



## SUB-C NI-MH PANASONIC

### POWER TOOL REPACKING

And other purposes. 23x43mm

Type	Power	Code
NiMH	3050mAh	RB616
NiMH	3050mAh	RB617



## SUB-C Ni-MH TAGGED

### NiMH TAGGED

Sanyo HR-SCU  
Shape SUB-C  
Style Tagged  
Size 23Ø x 43mm

Type	Size	Code
TAG	23Ø x 43mm	RB535



## 4/5 SUB-C Ni-MH

### HIGH CURRENT

Shape 4/5 SUB-C  
Size 23Ø x 34mm

Brand	Sanyo	Panasonic
Original	HR-4/5SCU	HHR-200SCP
Part No		
Type	TAG	Flat
Power	1.2V 2100mAh	1.2V 2100mAh
Code	RB534	RB615



## 1/2 SUB-C Ni-Cd

### INTEC TAGGED

Type	NiCD
Size	22.5Øx25.5mm
Power	1.2V 840mAh
Code	IF800CST



## Ni-MH PRISMATIC

### 1.2V 1400mAh Ni-MH

These are substitute cells to suit Sanyo and Panasonic.

OEM	H600-4/5F6	H600-3/5F6S	H750-F6	H1350-7/5F6C
Volts	1.2V	1.2V	1.2V	1.2V
Type	NiMH	NiMH	NiMH	NiMH
Size	17x34x6mm	17x34x16mm	17x48x16mm	17x67x6mm
Power	600mAh	600mAh	750mAh	1350mAh
Code	RB602	RB601	RB603	RB600







## Assembled Battery Packs

### BATTERY PACKS

Assorted Ni-MH cells bundled in packages as used in specific applications and suitable for other projects or substitutions. Premium cells used where available.



### 1.2V BACKUP BATTERY

1.2V 80mAh NiMH,  
2 pin PCB mount

Size 15.5Øx6mm  
Original 1V80H, 60BNK  
Part No  
Code RB80



### 2.4V AKAI VIDEO BACKUP

2.4V 80mAh "Double  
positive" 3 pin PCB mount

Original 2V60R,  
2V70R, 2V80H  
Suit AKAI VS5, etc.  
Code RB34



### 3.6V VARTA PCB MOUNT

Suit Laptops, etc.

3.6V 15mAh NiMH  
Varta 3/V15H

Equiv. 3/V11R,  
3/V11H.  
Code RB315



3.6V 40mAh NiMH  
Varta 3/V40H

Equiv. 3/V30R,  
3/V30H  
Code RB340



### 2.4V VARTA PCB MOUNT

2.4V 70mAh

Varta 2/V80H  
Equiv. 2/V60R,  
2/V60RT,  
2/V60H,  
2/V70H.  
and others.



2 PIN

Code RB35

3 PIN

Code RB34



### 2.4V AKAI VIDEO BACKUP

2.4V 80mAh

Suit VS2, etc.  
Code BVS2



### 4.8V AKAI VIDEO BACKUP

VS6,8,15, 4.8V,  
80mAh

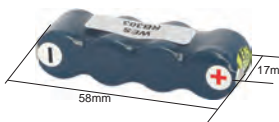
Code BVS8



### 4.8V AKAI VIDEO BACKUP

4.8V 110mAh

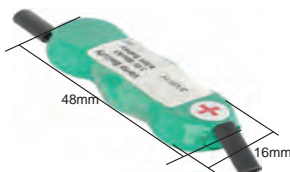
Suit VS303,  
VS606  
Code RB303



### 3.6V PANASONIC BACKUP

3.6V 80mAh Ni-MH

Suit NV777 &  
more.  
Code VBS0004



### GOLD CAPS

Super capacitors as used  
in timers, as backup cells.

1F 5.5V

Code GC1

.22F 5.5V

Code GC.22

.47F 5.5V

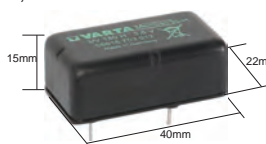
Code GC.47



### 3.6V VARTA MEMPAC

3.6V 150mAh Ni-Mh PCB  
mount, commonly used in  
computers, heaters, etc.

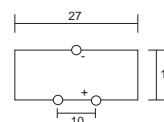
Code RB012



### 2.4V VARTA NiMH

2.4V 140mAh Ni-Mh Varta 2/V150H

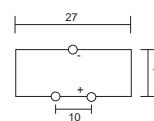
Size 2x V150H  
Equiv. 2/V110R, 2/V110H  
Code RB21



### 3.6V VARTA NiMH

3.6V 140mAh Ni-Mh, Varta 3/V150H

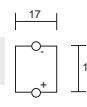
Size 3x V150H  
Equiv. 3/V110H, 3/V110R  
Code RB31



### 3.6V VARTA NiMH

3.6V 70mAh Ni-Mh  
Varta 3/V80H

Size 3x V80H  
Equiv. 3/V70R,  
3/V60R  
Code RB36



### 1.2V VARTA PCB MOUNT

1.2V 250mAh Ni-MH  
Varta V250H

Pins 7mm(±), 10mm(+)  
Size 7 x 25mmØ  
Equiv. V170R, V200H  
Code RB285



### 2.4V VARTA PCB MOUNT

2.4V 250mAh Ni-MH  
Varta V250H

Pins 13mm(±),  
10mm(+)  
Size 13 x 25mmØ  
Equiv. V170R, V200H  
Code RB290



### 3.6V VARTA PCB MOUNT

3.6V 250mAh Ni-MH  
Varta V250H

Pins 20mm(±),  
10mm(+)  
Size 20 x 25mmØ  
Equiv. V170R, V200H  
Code RB295







## 3.6V GP21AAAM3BMX

Ni-MH, 3.6V, 210mAh

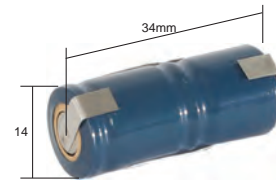
Size 30x23x10mm  
Plug "K"  
Code RBP43



## 1/3 AA CELLS x2

2.4V 1X 1/3 AA 110mAh  
2x N110AA

Code  
RB110



## 3.6V 3X"N"

### SOLDER TAGS

3 X N190N ("N"),  
3.6V 190mAh NiCd

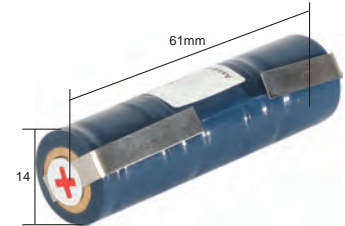
Code  
RBP17



## 1/3 AA CELLS x3

3.6V 3x 1/3 AA 110mAh  
3x N110AA

Code  
RB120



## 4.8V 4X"N"

4 x N190N ("N"),  
4.8V 190mAh.

Code  
RBP21



## 4.8V 4x 2/3AA Ni-Cd

Ni-CD

4.8V 270mAh, 4x 2/3 "AA"

FLY LEAD

Code  
RB427



## 4.8V 4X"N"

2 x 2 x N190N ("N"),  
4.8V 190mAh

Code  
RBP18



## 4.8V 4x AAA Ni-MH

Plug "C"  
Size 40x45x10mm  
Type Ni-MH  
Volts 4.8V  
Power 550mAh  
Code RB70313



## 4.8V 4x AA Ni-Cd

4.8V 600mAh, 4x "AA",  
FLY LEAD 10cm

Code  
RB490



## 3.6V AKAI VIDEO BACKUP

3.6V 600mAh

Suit VS3, VS4  
Code BVS4



## MORE....

### SEE CORDLESS PHONES

Packaged cell batteries.







# Power & Lighting

## □ Hobbies & Racing Batteries

### 4.8V FLAT TAMIYA PLUG

Power	700mAh
Type	NiCd
Plug	Tamiya
Size	16x52x57mm
Code	RB990



### 4.8V FLAT "JR"

4X "AA" Ni-Cd with "JR" male.  
Japanese cells. 4.8 Volts.

Power	Type	Code
600mAh	NiCd	RB941

### Sanyo Eneloop

Power	Type	Code
2000mAh	NiMH	RB994



### 9.6V FLAT TAMIYA PLUG

Volts	9.6V	
Plug	Tamiya	
Size	14x100x57mm	
Brand	NoName	Eneloop
Type	NiMH	NiMH
Power	700mAh	2000mAh
Code	RB991	RB9620



### 4.8V SQUARE "JR"

4X "AA" Ni-Cd  
with "JR" male.  
Japanese cells.

Power	Type	Code
600mAh	NiCd	RB945

### Sanyo Eneloop

Power	Type	Code
2000mAh	NiMH	RB995



### 6V CARTRIDGE

Cassette type battery pack  
as used in toy cars, etc.

Power	700mAh
Type	NiMH
Plug	Tamiya
Size	17x75x56mm
Code	RB992



### 6V 2Ah NiMH HOBBY PACK BATTERY

5X "AA" NiMH with "JR" plug.

Power	2Ah
Type	NiMH
Plug	JR
Size	70x52x15mm
Code	RB989



### 7.2V RACING TAMIYA PLUG

Sanyo. High performance,  
high current dump and  
handles fast charging.



### 9.6V SQUARE "JR"

ENELOOP Ni-MH  
Premium Sanyo/Panasonic Cells  
JR Type Connector

Power	Type	Code
2000mAh	NiMH	RB997

### BATTERY SNAP TYPE

Power	Type	Code
2000mAh	NiMH	RB998



### 9.6V FLAT "JR"

ENELOOP Ni-MH  
Premium Sanyo/Panasonic Cells  
JR Type Connector

Power	Type	Code
2000mAh	NiMH	RB996



Type	Volts	Power	Size	Code
NiCd	7.2V	1300mAh	23x46x130mm	RB7213
NiCd	7.2V	1700mAh	23x46x130mm	RB7217
NiCd	7.2V	2500mAh	23x46x130mm	RB7225
NiCd	8.4V	1700mAh	23x46x152mm	RB8417
NiCd	8.4V	2500mAh	23x46x152mm	RB8425
NiCd	9.6V	1700mAh	23x46x172mm	RB9617

### NO-NAME BRAND

Type	Volts	Power	Size	Code
NiCd	7.2V	1600mAh	23x46x130mm	RB993
NiMH	7.2V	4500mAh	24x48x133mm	RB7245

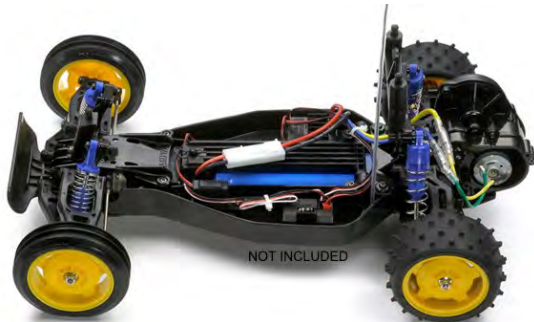






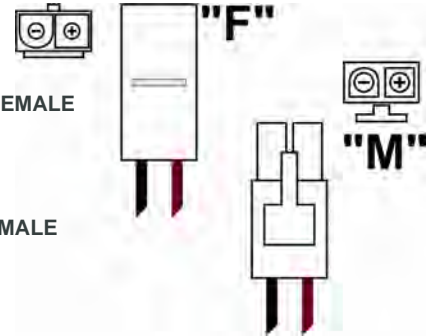
## SUB-C Ni-Cd Sanyo

Power	Style	Code
1300mAh	STD	CAD345
1300mAh	TAGGED	CAD346
1700mAh	STD	CAD355
1700mAh	TAGGED	CAD356
2000mAh	STD	CAD357
2000mAh	TAGGED	CAD358
2500mAh	TAGGED	CAD615
3000mAh	TAGGED	RB535



## TAMIYA® PLUGS (SQUARE)

Heavy duty quality.  
High current lead.



### BATTERY PLUG 20cm FEMALE

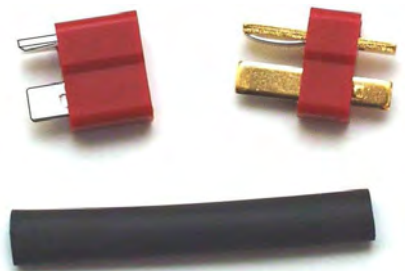
Code  
WH3TF

### CHARGER PLUG 10cm MALE

Code  
WH3TM

## DEANS 1300 ULTRA CONNECT KIT

Gold Plated upgrade terminals as used by RC champions for quicker and more reliable RC battery connections. Original Deans USA made. Inc. Plug, Socket, Heatshrink.



Code  
P1300

## UNIVERSAL SUPER CHARGER 4A

### Ni-Cd or Ni-MH Car Charger With external temp detector!

Input; 12Vdc Accessories Socket  
Output; 1.4 to 14V auto detect.  
Adaptors for assorted batteries, including Tamiya. Alligator clips. Metal box robust construction. Completely professional solution for extra fast pit-stops! Rapid charges up to 4 Amps. Includes automatic reconditioner circuit for maximising your battery performance every time! Intelligent Delta-V circuitry for exception battery handling giving the fastest charge and maintaining excellent battery life. Six LED status indicators. Charging Current meter Current limit adjust 0.1A to 4.0A



Car Accessories Plug Input  
Output: 1.4V-14V [Auto Detect]



Code  
MW7168

**Charge as fast as you drive!**



## 12V BATTERY MONITOR

### STATUS INDICATOR

Push the Button to indicate battery charge.  
Four status levels displayed by 4 LEDs.  
11.5V to 12.5V Compact. Strap hold.  
Ring terminal leads. Suit 12V SLA check.  
Water resistant.



Code  
BT012WR



## DEANS 1300 ULTRA SOCKETS

Set of four sockets for upgrading your battery leads. Gives quicker and more reliable RC battery power connections. Original Deans USA made. Compatible with the P1300 kit.



Code  
S1304

## FUTABA® CONNECTORS

High Grade, Long Life. 3 pins Futaba (polarised).

### MALE TO FEMALE 30cm

Code  
WH3FE

### MALE 30cm

Code  
WH3FM

### FEMALE 30cm

Code  
WH3FF



## JR® CONNECTORS

High Grade. Long Life. 3 pin polarised.

### MALE TO FEMALE 30cm

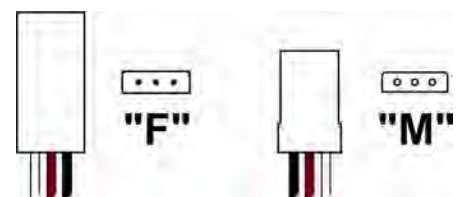
Code  
WH3JRE

### MALE 30cm

Code  
WH3JRM

### FEMALE 30cm

Code  
WH3JRF







# Power & Lighting

## Li-Ion Batteries

### 16340 Li-ION RECHARGEABLE TORCH BATTERY

16340 type Lithium-Ion torch battery with built-in PCM protection. 3.7V 700mAh. Suitable for a wide range of high power torches. Size: 36.5x16.6mm

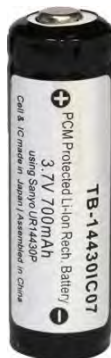
Capacity	Voltage	Code
700mAh	3.7V	TB-16340IC07



### 14430 LITHIUM ION TORCH BATTERY

High power Lithium Ion torch battery. Sanyo cells used for superior performance & extended service life. 3.7V 700mAh  
Size: 47x14.4mm

Capacity	Voltage	Code
700mAh	3.7V	TB-14430IC07



### 18500 Li-ION RECHARGEABLE TORCH BATTERY

18500 type Lithium-Ion torch battery with built-in PCM protection. 3.7V High 1700mAh battery capacity. Suitable for a wide range of high power torches. Size: 53x18.5mm

Capacity	Voltage	Code
1700mAh	3.7V	TB-18500IC17



### 14500 Li-ION RECHARGEABLE TORCH BATTERY

14500 type Lithium-Ion torch battery with built-in PCM protection. 3.7V 800mAh. Suitable for a wide range of high power torches. Size: 51.2x14.2mm

Capacity	Voltage	Code
800mAh	3.7V	TB-14500-IC08



### 18650 SIZE LITHIUM ION TORCH BATTERY

#### WITH INTEGRATED PROTECTION CIRCUIT

Premium grade 18650 & 18700 size Li-ion torch battery. Rechargeable with integrated protection circuit. High discharge performance design. Suits a comprehensive range of torches. 3.6V Cells & IC made in Japan\*. 70x19mmØ

Capacity	Voltage	Code
2600mAh	3.7V	RBLL-3626
3100mAh	3.7V	RBLL-3631
3400mAh	3.7V	RBLL-3634

#### ECONOMY 18650 LITHIUM ION

Capacity	Volts	Code
2800mAh**	3.7V	BAT471

*\*\*Made in China. Power may be upgraded with new stock.*



## Li-Ion Chargers

### USB INPUT LI-ION SINGLE CELL CHARGER

#### SPRING LOADED MULTI-SIZE 3.7V CHARGING BAY

- Reverse-polarity and short circuit protection circuit
- Three-stage charging and 0V battery re-activation
- Micro USB port to supply power Laptop or power pack, etc.
- IC temperature monitor to avoid over heating
- Small charge current when starting (Soft start)
- Spring loaded charging bay for charging batteries with different sizes
- Compact size, portable, includes USB-A lead (Power pack optional)

Constant charge current: 500±10% mA  
Constant charge voltage: 4.2±0.05 V  
Input: 5.0V DC/ 500mA (Micro-USB)  
Size(unit): 92x22x26mm  
Suits 10440, 14500, 14650, 16340, 17500, 17670, 18350, 18500, 18650, 18700, 22650, 25500, 26650 3.7V Li-ion batteries

Code
BC970MC1

Optional USB Power Pack ADM70A







## USB INPUT LI-ION & NI-MH SINGLE CELL CHARGER

### RAPID OR STANDBY CHARGING OPTIONS

- Light, compact size, convenient to carry. Micro-USB Input.
- Intelligent charger with two optional charging currents (0.25A, 0.5A)
- Compatible with 10440/14500/16340/18350/18500 (3.6V/3.7V) Lithium ion
- Compatible with AAA/AA Ni-MH/Ni-Cd battery (1.2V)
- Auto Battery-Type recognition for charging the different types of batteries
- Charging methods: For lithium batteries, XP1 adopts three-stage charging;
- For Ni-MH batteries, XP1 adopts pulse charging plus Delta-V judge method
- Stops charging when overtime, over heat, over-voltage, over-current, etc.
- 0V activation that can repair an over-discharged battery
- Includes USB-A to Micro-USB lead. (Power pack optional)

Lithium batteries charging parameter:  
0.25A Constant Current 250±30mA  
0.5A Constant Current 500±50mA  
Cut-off Voltage 4.2±0.05 V

Ni-MH/Ni-Cd batteries charging parameter:  
0.25A Pulse charging current 250±30mA  
0.5A Pulse charging current 500±50mA  
Cut-off voltage 1.40±0.05 V

Code  
BC970XP1

Optional USB Power Pack ADM70A



Spring loaded charging bay suits different size batteries. Batteries are not included.

Package Includes



## 4 CELL Li-ION & NiMH CHARGER WITH BATTERY-BANK

Professional Li-ion/Ni-MH battery charger with four independent channels featuring three selectable charging currents (0.25A / 0.5A / 1.0A). Can charge up to four batteries of different sizes 10440/14500/14650/16340/17500/17670/18350/18500/18650/18700 or up to two 22650/25500/26650 3.6V/3.7V Li-ion batteries. Can charge up to four AAA/AA/A size Ni-MH batteries or up to 2 SC/C Ni-MH batteries. For different types of batteries the XP4 adopts different charging methods:  
- For lithium ion batteries, XP4 adopts three-stage charging (TC, CC, CV)  
- For Ni-MH batteries, XP4 adopts pulse charging method  
- Plus stops charging with overtime and over voltage monitoring

- 12VDC input via 100-240VAC input Australian approved AC Adaptor or 12/24VDC car adaptor
- Soft-start current to avoid damaging batteries
- High heat dissipation design using fire resistant ABS
- 0V low battery activation
- Reverse polarity protection and short circuit protection
- Battery chemistry type auto-recognition
- Discharge function to repair the battery capacity
- Adopts PWM technology to reduce energy loss
- 8 x LED display indicators for charger status of each cell
- Features a built-in USB 1.0A output for when loaded with charged batteries can then be used as a power-bank !!
- USB output has overload, short circuit, overheat and reverse-polarity protection plus stopping supply when the battery has low voltage
- Includes AC power-pack and 12V Car Accessories Lead

Code  
BC970XP4



Includes  
12V Car  
Adaptor



Includes Mains  
Adaptor



POWER BANK



Requires Batteries and USB Lead to power the Phone not included.





## 2 CELL Li-ION CHARGER WITH LCD DISPLAY

100-240VAC (World Voltage) / 12VDC input with LCD display independent channel 1-2 cell lithium ion battery charger.

- Two cell charger for charging one or two 3.6V/3.7V lithium ion cells in sizes 10440, 14500, 14650, 16340, 17500, 17670, 18350, 18500, 18650, 18700
- Blue LCD display with real time individual channel charge status indication and cell voltage reading
- Selectable charging currents of either 250mA (+/-30mA), 500mA (+/-50mA) or 1000mA - (+/-80mA)
- Charge re-activation if cell voltage drops below 3.9V if cells left in the charger so always ready for use
- Algorithm based TC/CC/CV charging system with reverse polarity & overcharge protection
- Includes AC power-pack and 12V Car Accessories Lead

Includes



Code  
BC970VP1



• BATTERIES NOT INCLUDED



## 2 CELL Li-ION CHARGER WITH LCD DISPLAY & BATTERY-BANK

### 1A RAPID CHARGE WITH USB POWER OUT

100-240VAC (World Voltage) / 12VDC input independent channel 2 cell lithium ion battery charger. Includes a USB power outlet, so can be used as a power bank (5V 1A) for mobile phones, etc.

- Three charging currents switched (0.25A/0.5A/1.0A)
- Three charging voltage Automatic (3.2V/3.6V/3.8V)
- Charge for sizes: 10440 / 14500 / 14650 / 16340 / 17670 / 18350 / 18500 / 18650 / 18700 / 22650 / 25500 / 26650
- 3.0V/3.2V, 3.6V/3.7V, 3.8V Li-ion batteries
- Selectable charging currents of either 250mA (+/-30mA), 500mA (+/-50mA) or 1000mA - (+/-80mA)
- Low-Voltage, over-load and over-heat protection, power indication, stops charging in any fault condition
- Real-time LED status indicators
- Dual display with cell voltage reading and status
- Adopts PWM technology to control with high efficiency
- Three-stage charging and float for stand-by
- Low V battery activation repairs over discharged cells
- USB Power Output (5.0V/1.0A) requires USB lead
- IC temperature monitor to avoid over heating of cells
- Reverse-polarity and short circuit protection circuit
- Soft-start, small charge current when start to charge
- Compact size, portable 118x62x34mm
- Includes AC power-pack and 12V Car Accessories Lead

Includes



\*US adaptor shown.

Code  
BC970VP2



• BATTERIES NOT INCLUDED



• BATTERIES NOT INCLUDED





## SLA Ritar

### 6V 3.8AH SLA GENESIS\*

\*Brand may change

Volts	6V
Capacity	3.8AH
Weight	660g
Size	33x66x118mm
Code	PG3.8-6



6V

### 12V 5.5AH SLA RITAR

Volts	12V	12V
Capacity	5.5Ah	5.5Ah
Charge	1.65A Max	1.65A Max
Imax	55A (5s)	55A (5s)
Term.	Spade 4.75mm	Spade 6.35mm
Weight	1.70kg	1.70kg
Size	90x70x101mm	90x70x101mm
Code	RT1255F1	RT1255F2



### 6V 4.5AH 5.5AH SLA RITAR

Volts	6V	6V
Capacity	4.5Ah	5.5Ah
Charge	1.35A Max	1.65A Max
Imax.	45A	55A
Term	Spade 4.75mm	Spade 4.75mm
Weight	0.72kg	0.80kg
Size	70x47x101mm	70x47x101mm
Code	RT645	RT655



6V

### 12V 7AH - 8AH SLA RITAR

Volts	12V	12V	12V	12V
Capacity	7.0Ah	7.2Ah	7.2Ah	8.0Ah
Charge	2.1A Max	2.16A Max	2.16A Max	2.4A Max
Imax	70A (5s)	72A (5s)	72A (5s)	80A (5s)
Term.	Spade 4.75mm	Spade 4.75mm	Spade 6.35mm	Spade 4.75mm
Weight	2.0kg	2.15kg	2.15kg	2.26kg
Size	151x65x94mm	151x65x94mm	151x65x94mm	151x65x94mm
Code	RT1270EF1	RT1272F1	RT1272F2	RT1280F2

### 6V 8AH SLA RITAR

Volts	6V
Capacity	8Ah
Charge	2.4A Max
Imax	80A (5s)
Term.	Spade 4.75mm
Weight	1.20kg
Size	151x34x94mm
Code	RT680



6V



### 6V 12AH SLA RITAR

Volts	6V
Capacity	12Ah
Charge	3.6A Max
Imax	120A (5s)
Term.	Spade 4.75mm
Weight	1.80kg
Size	151x50x95mm
Code	RT6120



6V

### 12V 9AH SLA RITAR

Volts	12V	12V
Capacity	9Ah	9Ah
Charge	2.7A Max	2.7A Max
Imax	90A (5s)	90A (5s)
Term.	Spade 6.35mm	Spade 6.35mm
Weight	2.55kg	2.63kg
Size	151x65x94mm	151x65x94mm
Code	RT1290F2	RT1290HF2FR



H = High Rate UPS  
FR = Fire Resistance

### 12V 2.9Ah SLA DRYPOWER\*

12v 2.9Ah sealed lead acid battery. Non-spillable type.

Voltage	12V
Capacity	2.9AH
Term.	Spade 4.75mm
Weight	1.3kg
Size	100x80x56mm
Code	12SB2.9P



\*Brand may change

### 12V 12AH SLA RITAR

Volts	12V
Capacity	12Ah
Charge	3.6A Max
Imax	120A (5s)
Term.	Spade 4.75mm
Weight	3.60kg
Size	151x98x95mm
Code	RT12120F1



### 12V 5AH SLA RITAR

Volts	12V
Capacity	5Ah
Charge	1.5A Max
Imax	50A (5s)
Term.	Spade 6.35mm
Weight	1.90kg
Size	152x50x95mm
Code	RT1250BHF2



### 12V 18AH SLA RITAR

Volts	12V	12V
Capacity	18Ah	18Ah
Charge	5.4A Max	5.4A Max
Imax	180A (5s)	180A (5s)
Term.	M5 Hole	Spade 12.0mm
Weight	5.00kg	5.00kg
Size	181x77x167mm	181x77x167mm
Code	RT12180F13	RT12180F3







## 12V 20AH SLA RITAR

Volts	12V
Capacity	20Ah
Charge	6.0A Max
Imax	200A (5s)
Term.	M8 Hole
Weight	5.90kg
Size	181x77x167mm
Code	RT12200



## 12V 55AH SLA RITAR

Volts	12V	12V
Capacity	55Ah	55Ah
Charge	16.5A Max	16.5A Max
Imax	550A (5s)	550A (5s)
Term.	M6 Hole	M6 Hole
Weight	18.0kg	18.0kg
Size	229x138x210mm	229x138x210mm
Code	RA12-55	RA12-55HFR



HFR = High Fire Resistance

## 12V 26AH SLA RITAR

Volts	12V	12V
Capacity	26Ah	26Ah
Charge	7.8A Max	7.8A Max
Imax	260A (5s)	260A (5s)
Term.	M5 Hole	Spade 12.0mm
Weight	8.10kg	8.10kg
Size	166x175x125mm	166x175x125mm
Code	RT12260F13	RT12260F3



## 12V 55AH FRONT TERMINAL SLA RITAR

Volts	12v
Capacity	55Ah
Charge	16.5A Max
Imax	550A (5s)
Term.	M6 Hole
Weight	18.0kg
Size	227x106x222mm
Code	RA12-55F



## 12V 33AH SLA RITAR

Volts	12V
Capacity	33Ah
Charge	9.9A Max
Imax	330A (5s)
Term.	M6 Hole
Weight	10.0kg
Size	195x130x159mm
Code	RA12-33



## 12V 65AH SLA RITAR

Volts	12V
Capacity	65Ah
Charge	19.5A Max
Imax	650A (5s)
Term.	M6 Hole
Weight	21.0kg
Size	350x167x180mm
Code	RA12-65



## 12V 45AH SLA RITAR

Volts	12V
Capacity	45Ah
Charge	13.5A Max
Imax	450A (5s)
Term.	M6 Hole
Weight	14.0kg
Size	198x166x171mm
Code	RA12-45



## 12V 75AH SLA RITAR

Volts	12V
Capacity	75Ah
Charge	22.5A Max
Imax	750A (5s)
Term.	M6 Hole
Weight	24.0kg
Size	260x169x210mm
Code	RA12-75



## 12V 28AH SLA RITAR

Volts	12V	12V	12V
Capacity	28Ah	28Ah	28Ah
Charge	8.4A Max	8.4A Max	8.4A Max
Imax	280A (5s)	280A (5s)	280A (5s)
Term.	M5 Hole	M5 Hole	M5 Hole
Weight	8.60kg	9.30kg	8.60kg
Size	166x175x125mm	166x126x174mm	166x175x125mm
Code	RT12280	RT12280S	RT12280L

S = Special Size  
L = Long Life

## 12V 100AH SLA RITAR

Volts	12V	12V	12V
Capacity	100Ah	100Ah	100Ah
Charge	30A Max.	30A Max	30A Max
Imax	900A (5s)	1000A (5s)	1000A (5s)
Term.	F15/F12	M8 Hole	M8 Hole
Weight	29.0kg	32.0kg	32.0kg
Size	307x169x210mm	307x169x210mm	328x172x222mm
Code	RA12-100SD	RA12-100SHFR	RA12-100HFR

S = Special Size, D = Deep Cycle  
HFR = High Fire Resistance



RT12280

RT12280S

RT12280L



RA12-100SD

RA12-100SHFR

RA12-100HFR





## 12V 105AH FRONT TERMINAL SLA RITAR

Volts	12V
Capacity	105Ah
Charge	31.5A Max
Imax	1050A (5s)
Term.	M6 Hole
Weight	32.5kg
Size	508x111x236mm
Code	RA12-105F



## 12V 200AH SLA RITAR

Volts	12v	12v
Capacity	200Ah	200Ah
Charge	60A Max	60A Max
Imax	2000A (5s)	2000A (5s)
Term.	M8 Hole	M8 Hole
Weight	60.0kg	62.5kg
Size	522x240x219mm	522x240x219mm
Code	RA12-200	RA12-200HFR



HFR = High Fire Resistance

## 12V 120AH SLA RITAR

Volts	12V
Capacity	120Ah
Charge	33A Max
Imax	1100A (5s)
Term.	M8 Hole
Weight	32.0kg
Size	328x172x222mm
Code	RA12-120S



## 12V 260AH SLA RITAR

Volts	12v	12v
Capacity	260Ah	260Ah
Charge	70A Max	72A Max
Imax	2400A (5s)	2400A (5s)
Term.	M8 Hole	M8 Hole
Weight	70.0kg	69.0kg
Size	522x240x219mm	522x240x219mm
Code	RA12-240HL	RA12-240F10

DATASHEETS  
Available Online



## 12V 150AH SLA RITAR

Volts	12V	12v
Capacity	150Ah	150Ah
Charge	45A Max	45A Max
Imax	1500A (5s)	1500A (5s)
Term.	M8 Hole	M8 Hole
Weight	45.0kg	49.0kg
Size	483x170x240mm	340x173x280mm
Code	RA12-150	RA12-150SHFR

S = Special Size  
HFR = High Fire Resistance



RA12-240HL



RA12-240F10

## 12V 150AH FRONT TERMINAL SLA RITAR

Volts	12V
Capacity	150Ah
Charge	45A Max
Imax	1500A (5s)
Term.	M8 Hole
Weight	45.0kg
Size	555x110x288mm
Code	RA12-150F



## 12V 260AH SLA RITAR

Volts	12v
Capacity	260Ah
Charge	78A Max
Imax	2600A (5s)
Term.	M8 Hole
Weight	75.0kg
Size	520x268x220mm
Code	RA12-260



## 12V 160AH FRONT TERMINAL SLA RITAR

Volts	12V
Capacity	160Ah
Charge	48A Max
Imax	1600A (5s)
Term.	M8 Hole
Weight	49.0kg
Size	555x110x288mm
Code	RA12-160F



## 12V SLA & CHARGER TESTER

LED battery tester for 12V battery, progressive light bar for showing battery capacity plus a charger check. Suitable for all range of 12V lead acid batteries. Test battery or test connected to a charger:  
Charger over-voltage indicates Bad.  
Charger under voltage no indication  
Charging indicates good.

Code  
BT012RB



HANDY  
QUICK  
TEST

## 12V 180AH FRONT TERMINAL SLA RITAR

Volts	12V
Capacity	180Ah
Charge	54A Max
Imax	1800A (5s)
Term.	M8 Hole
Weight	53.5kg
Size	560x125x316mm
Code	RA12-180F



## 12V BATTERY MONITOR

### STATUS INDICATOR

Push the Button to indicate battery charge. Four status levels. 11.5V to 12.5V Compact. Strap-hold. Ring terminal leads. Suit 12V SLA check. Water resistant

Code  
BT012WR







## SLA Panasonic

### PANASONIC SLA & VRLA

# Panasonic®

Panasonic's tough Valve Regulated Lead Acid rechargeable batteries are designed to provide outstanding performance in withstanding overcharge, over-discharge, and resisting vibration and shock. Compact, these batteries save installation space, while providing full and reliable power. The use of special sealing epoxies, tongue and groove case and cover construction, and long-sealing paths for posts and connectors, assures that the Valve Regulated Lead Acid battery will offer exceptional leak resistance, and allows them to be used in any position.

#### 6V 1.3AH PANASONIC

Panasonic	LCR6V1.3
Volts	6V
Capacity	1.3AH
Term.	Spade 4.75mm
Weight	300g
Size	97x24x50mm
Code	LCR061R3PU



#### 6V 12AH PANASONIC

Panasonic	LCR6V12P
Volts	6V
Capacity	12AH
Term.	Spade 4.75mm
Weight	2.0Kg
Size	151x50x94mm
Code	LCR0612P



#### 6V 3.4AH PANASONIC

Panasonic	LCR6V3.4P
Volts	6V
Capacity	3.4AH
Term.	Spade 4.75mm
Weight	620g
Size	134x34x60mm
Code	LCR063R4P



#### 12V 1.3AH PANASONIC

Panasonic	LCR12V1.3P
Volts	12V
Capacity	1.3AH
Term.	Spade 4.75mm
Weight	590g
Size	97x48x50mm
Code	LCR121R3P



#### 6V 4.5AH PANASONIC

Panasonic	LCR6V4P
Volts	6V
Capacity	4.5AH
Term.	Spade 4.75mm
Weight	720g
Size	70x48x102mm
Code	LCV064R5P



#### 12V 2.2AH PANASONIC

Panasonic	LCR12V2.2P
Volts	12V
Capacity	2.2AH
Term.	Spade 4.75mm
Weight	800g
Size	177x34x60mm
Code	LCR122R2P



#### 6V 7.2AH PANASONIC

Panasonic	LCR067-P
	LCR6V7.2P
Volts	6V
Capacity	7.2AH
Term.	Spade 4.75mm
Weight	1.2Kg
Size	151x34x94mm
Code	LCR067R2P



#### 12V 3.4AH PANASONIC

Panasonic	LCR12V3.4P
	LCR12V3.4P
Volts	12V
Capacity	3.4AH
Term.	Spade 4.75mm
Weight	1.2Kg
Size	134x67x60mm
Code	LCR123R4P



#### 6V 9AH PANASONIC

Panasonic	UPRW0645P1
Type	UPS
Volts	6V
Capacity	9.0AH [45W]
Term.	Spade 4.75mm
Weight	1.3Kg
Size	151x34x94mm
Code	UPVW0645P1



#### 12V [20W] PANASONIC

Panasonic	UPRW1220P1
Type	UPS
Volts	12V
Capacity	[20W]
Term.	Spade 6.35mm
Weight	1.4Kg
Size	140x39x94mm
Code	UPVW1220P1







## 12V [32W] PANASONIC

Panasonic	UP-RWA1232P2	UP-RWA1232P1
Type	UPS	UPS
Volts	12V	12V
Capacity	[32W]	[32W]
Term.	6.35 & 4.75mm	Spade 6.35mm
Weight	2Kg	2Kg
Size	150x50x94mm	150x50x94mm
Code	UPVWA1232P2	UPVWA1232P1



## 12V 28AH PANASONIC

Panasonic	LCR1228P	LCX1228AP	LC-XP1228P
Type	Stand By	Stand By	Cyclic
Volts	12V	12V	12V
Capacity	28AH	28AH	28AH
Term.	Nut & Bolt	Nut & Bolt	Nut & Bolt
Weight	11Kg	11Kg	11Kg
Size	165x125x175mm	165x125x175mm	165x125x175mm
Code	LCP1228P	LCP1228AP	LCXC1228P

## 12V 7.2AH PANASONIC

Panasonic	LCR12V7.2P	LCR12V7.2P
Volts	12V	12V
Capacity	7.2AH	7.2AH
Term.	Spade 4.75mm	Spade 6.35mm
Weight	2.5Kg	2.5Kg
Size	151x65x94mm	151x65x94mm
Code	LCR127R2P	LCR127R2P1



# Panasonic®

## 12V 7.2AH PANASONIC

Panasonic	UPRW1236P1	UPRW1245P1
Type	UPS	UPS
Volts	12V	12V
Capacity	7.2AH [36W]	9Ah [45W]
Term.	Spade 6.35mm	Spade 6.35mm
Weight	2Kg	2.6Kg
Size	151x65x94mm	150x64x94mm
Code	UPVW1236P1	UPVW1245P1



## 12V 33AH PANASONIC

Panasonic	LCX12V33AP
Volts	12V
Capacity	33AH
Term.	Nut & Bolt
Weight	12Kg
Size	196x130x155mm
Code	LCR1233P



## 12V 12AH PANASONIC

Panasonic	LCR12V10PF
Volts	12V
Capacity	12AH
Term.	Spade 6.35mm
Weight	3.9Kg
Size	151x101x94mm
Code	LCVA1212P1



## 12V 38AH - 42AH PANASONIC

Panasonic	LCXC1238P	LCL12V38P
Type	Cyclic	Stand By
Volts	12V	12V
Capacity	38AH	42AH
Term.	Nut & Bolt	Nut & Bolt
Weight	16Kg	16Kg
Size	197x165x175mm	197x165x175mm
Code	LCXC1238P	LCP1242P



## 12V 15AH PANASONIC

Panasonic	LCCA1215PZ1
Type	Cyclic
Volts	12V
Capacity	15AH
Term.	Spade 6.35mm
Weight	4.2Kg
Size	151x101x94mm
Code	LC-CA1215P1



## 12V 65AH PANASONIC

Panasonic	LCL12V65P
Type	Stand By
Volts	12V
Capacity	65AH
Term.	Nut & Bolt
Weight	24Kg
Size	350x166x175mm
Code	LCP1265P



## 12V 17AH - 21AH PANASONIC

Panasonic	LCR12V17P	LCX1220P	LCXC1221P
Volts	12V	12V	12V
Capacity	17AH	20AH	21AH
Term.	Nut & Bolt	Nut & Bolt	Nut & Bolt
Weight	6.5Kg	6.6Kg	6.5Kg
Size	181x76x167mm	181x76x167mm	181x76x167mm
Code	LCRD1217P	LCP1220P	LCXC1221P

## 12V 100AH PANASONIC

Panasonic	LCXA12100P
Type	Stand By
Volts	12V
Capacity	100AH
Term.	Nut & Bolt
Weight	33Kg
Size	407x173x210mm
Code	LCP12100P







# Power & Lighting

## □ Panasonic Sealed Lead Acid Quick-Pick Guide

### SLA / VRLA PANASONIC CROSS REFERENCE

#### PANASONIC VALVE REGULATED LEAD ACID RECHARGEABLE BATTERIES

Genuine Panasonic SLA Batteries. With substitutions, take care in your choice as different applications may require different cyclic type batteries. Data sheets available from [www.panasonic.com](http://www.panasonic.com)

# Panasonic®

Panasonic	Type	Volts	Capacity	Term.	Size	Weight	Code
LCR6V1.3	Stand By	6V	1.3AH	Spade 4.75mm	97x24x50mm	300g	LCR061R3PU
LCR6V3.4P	Stand By	6V	3.4AH	Spade 4.75mm	134x34x60mm	620g	LCR063R4P
LCR6V4P	Stand By	6V	4.5AH	Spade 4.75mm	70x48x102mm	720g	LCV064R5P
LCR067-P LCR6V7.2P	Stand By	6V	7.2AH	Spade 4.75mm	151x34x94mm	1.2Kg	LCR067R2P
UPRW0645P1	UPS	6V	9.0AH [45W]	Spade 4.75mm	151x34x94mm	1.3Kg	UPVW0645P1
LCR6V12P	Stand By	6V	12AH	Spade 4.75mm	151x50x94mm	2.0Kg	LCR0612P
LCR12V1.3P	Stand By	12V	1.3AH	Spade 4.75mm	97x48x50mm	590g	LCR121R3P
LCR12V2.2P	Stand By	12V	2.2AH	Spade 4.75mm	177x34x60mm	800g	LCR122R2P
LCR12V3.4P LCR12V3.4P	Stand By	12V	3.4AH	Spade 4.75mm	134x67x60mm	1.2Kg	LCR123R4P
UPRW1220P1	UPS	12V	[20W]	Spade 6.35mm	140x39x94mm	1.4Kg	UPVW1220P1
UP-RWA1232P1	UPS	12V	[32W]	Spade 6.35mm	150x50x94mm	2Kg	UPVWA1232P1
UP-RWA1232P2	UPS	12V	[32W]	6.35 & 4.75mm	150x50x94mm	2Kg	UPVWA1232P2
LCR12V7.2P	Stand By	12V	7.2AH	Spade 4.75mm	151x65x94mm	2.5Kg	LCR127R2P
LCR12V7.2P	Stand By	12V	7.2AH	Spade 6.35mm	151x65x94mm	2.5Kg	LCR127R2P1
UPRW1236P1	UPS	12V	7.2AH [36W]	Spade 6.35mm	151x65x94mm	2Kg	UPVW1236P1
UPRW1245P1	UPS	12V	9Ah [45W]	Spade 6.35mm	150x64x94mm	2.6Kg	UPVW1245P1
LCR12V10PF	Stand By	12V	12AH	Spade 6.35mm	151x101x94mm	3.9Kg	LCVA1212P1
LCCA1215PZ1	Cyclic	12V	15AH	Spade 6.35mm	151x101x94mm	4.2Kg	LC-CA1215P1
LCR12V17P	Stand By	12V	17AH	Nut & Bolt	181x76x167mm	6.5Kg	LCRD1217P
LCX1220P	General	12V	20AH	Nut & Bolt	181x76x167mm	6.6Kg	LCP1220P
LCXC1221P	Cyclic	12V	21AH	Nut & Bolt	181x76x167mm	6.5Kg	LCXC1221P
LCR1228P LCX1228P	Stand By	12V	28AH	Nut & Bolt	165x125x175mm	11Kg	LCP1228P
LCX1228AP	Stand By	12V	28AH	Nut & Bolt	165x125x175mm	11Kg	LCP1228AP
LC-XP1228P	Cyclic	12V	28AH	Nut & Bolt	165x125x175mm	11Kg	LCXC1228P
LCX12V33AP	Stand By	12V	33AH	Nut & Bolt	196x130x155mm	12Kg	LCR1233P
LCXC1238P	Cyclic	12V	38AH	Nut & Bolt	197x165x175mm	16Kg	LCXC1238P
LCL12V38P	Stand By	12V	42AH	Nut & Bolt	197x165x175mm	16Kg	LCP1242P
LCL12V65P	Stand By	12V	65AH	Nut & Bolt	350x166x175mm	24Kg	LCP1265P
LCXA12100P	Stand By	12V	100AH	Nut & Bolt	407x173x210mm	33Kg	LCP12100P

Warning! Customer must choose between Cyclic (C) OR Standby (S) versions. ! NOT INTERCHANGEABLE !  
Refer to specification listing and datasheets.

<https://na.industrial.panasonic.com/products/batteries/rechargeable-batteries/lead-acid-vrla>

## □ Sealed Lead Acid Misc

### 12V 2.0AH SLA

#### VIDEO BATTERY REPLACEMENT

Replaces LCS2012DP,  
LCSD122PU, VW-VBF2  
12V 2.0Ah. Premium Gold.  
143x61x24mm

Code VBF2

CONNECTOR  
PL10



### 12V 2.3AH SLA

#### VIDEO BATTERY REPLACEMENT

LB-VMV-BM10, LC-SA122R-3BU, VW-VBM10E.  
12V 2.3Ah. Premium Gold. 183x61x24mm

Code VB10

CONNECTOR LEAD  
PL10



### 6V LANTERN SLA

#### VALVE REGULATED RECHARGEABLE

Suits the popular torches, etc.  
Cyclic & Standby. AGM Type.

Weight 950g  
Size 96x66x66mm  
Code DM65S



### 2V SLA GATES

Highly reliable battery used in military, medical, security etc. In float, they last up to ten years before they fall to 80% of the rated capacity. Due to their low impedance, discharge current can be very high without risk of damage. They can be fully recharged in less than 1 Hr! using a constant V of 2.35 volts per cell, NO current limiting is required. They do not dry out and can be charged in any position. 2 VOLTS ea. Made in the USA

2V 2.5Ah "D"

Size Code  
61x34mmØ RB22

2V 5.0Ah "X"

Size Code  
73x44mmØ RB25



### 6V SLA GATES

Snap together monoblocks Weather proof casings.

6V 2.5Ah "D"x3

Size Code  
110x44x68mm RB322

6V 5Ah "X"x3

Size Code  
135x52x75mm RB325

6V 8Ah "E"x3

Size Code  
135x52x100mm RB326



SNAP LOCK  
MULTIPLES  
TOGETHER





□ Batteries Rechargeable Packs

□ Video Camcorder Chargers

## UNIVERSAL CHARGER - CAMCORDER CAMERA CELLPHONE + MORE

### FULLY AUTOMATIC WITH LCD STATUS DISPLAY

Quality Lithium Ion & NiMH Universal charger with USB power too. Suitable for charging batteries for most camcorder, digital camera, mobile phone, PDA, scanner and other devices + NiCd/NiMH AA/AAA Batteries too!

Automatic charge current selection dependant upon the battery being charged. Charge time is usually between 2 and 6 hours, dependant on the capacity of the battery on charge.

Charger that can also be used as an external battery pack with USB power 5V 1000mA output. 60x29x106mm

Fast Charges 3.6V/3.7V and 7.2V/7.4V Li-Ion battery packs.

Fast Charges 2.4V - 7.2V NiCd/NiMH battery packs.

Fast Charges 1 or 2 AA/AA NiCd/NiMH cells.

Fast Charges 1 cell of most sizes of Li-Ion cylindrical cells (right hand channel only).

1200mA max. charge current.

Input 100V-240V AC power supply or 12V DC Car Accessories Plug.

SAA 100-240VAC world voltage power supply included.

Smart battery chemistry and capacity detection.

LCD backlit screen for ease of use with Fuel gauge display.

Over Charge, Safety Timer and Bad Cell protection.

USB 5V up to 1000mA output for powering portable devices.



#### Code

CX4000PRO

Battery Type	Capacity	Charge Time*
3.6 / 3.7V Lithium-Ion	500 - 1500mAh	60 - 90
	1600 - 2000mAh	100 - 110
	2100 - 4200mAh	120 - 200
7.2 / 7.4V Lithium-Ion	500 - 1500mAh	60 - 120
	1300 - 2000mAh	100 - 150
	2100 - 4200mAh	150 - 270
NiCd & NiMH	500 - 1500mAh	60 - 90
	1300 - 2000mAh	100 - 120
	2100 - 3600mAh	130 - 220



## DCC1 CHARGER & ADAPTOR SYSTEM

### LITHIUM-ION CHARGER - REQUIRES AVP ADAPTOR

Suits the newer type cells as used in digital video, etc.

Not suitable for Ni-Cd or Ni-MH. Lithium-Ion batteries only.

This innovative system includes purchasing the DCC1 desk charger and then the ADDITIONAL adaptor to suit your particular battery. Thus the system is now dedicated to that specific camera charging.

#### PROCEDURE:

Purchase the DCC1 battery charger and also the AVP adaptor required: 1/ Find your cameras battery here on these pages and take note of the corresponding AVP code listed. 2/ or see the AVP Alpha listing. 3/ or give us a call !

**DCC1 +AVP** [AVP Depends on battery]

Order DCC1 plus an adaptor AVP-[xxx]

See Cross-reference listing on the next page for an Adaptor to suit your camera...

#### Code

DCC1



**BATTERY ADAPTORS SOLD SEPARATELY**





# Power & Lighting

## Video Camcorder Battery Chargers

### DCC1 VIDEO CHARGER & ADAPTOR SYSTEM

#### LITHIUM-ION CHARGER WITH BATTERY ADAPTORS

Suits the newer type cells as used in digital video, etc.  
Not suitable for Ni-Cd or Ni-MH.

#### CHARGER & ADAPTOR SYSTEM

This innovative system includes purchasing the DCC1 desk charger and then the ADDITIONAL adaptor to suit your particular battery.  
Thus the system is now dedicated to that specific camera charging.

#### PROCEDURE

Purchase the DCC1 battery charger and also the AVP adaptor:

1/ Find your cameras battery here on these pages and  
take note of the corresponding AVP code listed.

2/ or Look-Up the AVP Model listing below

3/ \*or optional charger kit CX1500

4/ or give us a call!

**\*NOTE: CX1500 is listed  
for your convenience and  
is a complete charger that  
DOES NOT require DCC1**



#### CHARGER ONLY [Requires adaptor plate below]

Includes 240Vac Power Pack and 12Vdc car lead.

Description	Code
Charger Base Only (requires adaptor plate)	DCC1

## DCC1 Charger Cross Reference

#### ADAPTOR PLATES [Requires DCC1 charger]

Choose the adaptor plate to suit your battery below:

Description	
Adaptor Plate to suit models listed below:	

DCC1 Charger Adaptor to suit	Code
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#### Benq

02491-0015-00	AVP249
DLI-102	AVP41
02491-0017-00	AVP60
02491-0015-00, 02491-0017-00, DLI-102	CX1500



#### Canon

BP-208, BP-308, BP-315	AVP508
BP2L12, BP2L13, BP2L14, BP2L24H, BP2L5, NB-2L, NB-2LH	AVP234
BP-508, BP-511, BP-511A, BP-512, BP-514, BP-522, BP-535	AVP511
BP-807, BP-808, BP-809, BP-819, BP-827	AVP238
BP-911, BP-914, BP-915, BP-924, BP-927, BP-930, BP-941, BP-945, BP-950G, BP-970G	AVP914
LP-E10	AVP801
LP-E5	AVP315
LP-E6	AVP836
LP-E8	AVP813
NB-10L	AVP802
NB-4L, NB-8L	AVP46
NB-5H	AVP5
NB-5L	AVP56
NB-6L	AVP362
NB-7L	AVP371
BP-2L12, BP-2L14, BP-2L5, BP-406, BP-407, BP-412, BP-422, BP-508, BP-511, BP-512, BP-514, BP-522, BP-535, BP-608, BP-617, BP-911, BP-914, BP-915, BP-924, BP-927, BP-930, BP-950G, BP-970G, NB-1L, NB-1LH, NB-2F12, NB-2L, NB-2L12, NB-2LH, NB-3L, NB-4L	CX1500



#### Casio

NP-130	AVP233
NP-20	AVP20
NP-30, NP-30DBA	AVP60
NP-50	AVP375
NP-60	AVP79
NP-80	AVP140
NP-20, NP-30, NP-40	CX1500



DCC1 Charger Adaptor to suit	Code
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#### Fujifilm

NP-120	AVP61
NP-140	AVP142
NP-150	AVP135
NP-30	AVP30
NP-40	AVP41
NP-45	AVP140
NP-50	AVP368
NP-60	AVP60
NP-70	AVP128
NP-95	AVP95
NP-W126	AVP832
NP-100, NP-120, NP-30, NP-40, NP-60, NP-80	CX1500

**AVP Adaptor  
REQUIRES DCC1  
SOLD SEPARATELY**

#### Hitachi

DZ-BP14, DZ-BP14R, DZ-BP16, DZ-BP28	AVP120
DZ-BP14, DZ-BP21, DZ-BP7	AVP407
VM-BPL13, VM-BPL27, VM-BPL27A, VM-BPL30, VM-BPL60	AVP550
02491-0028-01	AVP830
DZ-BP14, DZ-BP14R, DZ-BP14S, DZ-BP14SW, DZ-BP16, DZ-BP28, DZ-BP7S, MP-BP1, VM-BPL13, VM-BPL13L, VM-BPL27, VM-BPL27L, VM-NP700	CX1500

#### JVC

BN-V107, BN-V114	AVP107
BN-VM200	AVP208
BN-V37U	AVP37
BN-V607, BN-V615, BN-V812, BN-V814	AVP550
BN-VF707, BN-VF714, BN-VF733	AVP707
BN-VF808, BN-VF815, BN-VF823	AVP808
BN-V101, BN-V107, BN-V114, BN-V207, BN-V214, BN-V306, BN-V312, BN-V408, BN-V416, BN-V428, BN-V507, BN-V514, BN-V606, BN-V607, BN-V615, BN-V628, BN-V712, BN-V714, BN-V812, BN-V814, BN-V907, BN-VF707, BN-VF714, BN-VF733	CX1500



#### Kodak

KLIC-7006	AVP140
KLIC-7000	AVP189
KLIC-7004	AVP368
KLIC-5000	AVP60
KLIC-5001	AVP61
KLIC-7001	AVP771
KLIC-7002	AVP772
KLIC-7003	AVP773
KLIC-8000	AVP850
8499741, KLIC-3000, KLIC-5000, KLIC-5001	CX1500

**CX1500  
FULL CHARGER  
DOES NOT REQUIRE DCC1**



#### Konica

DR-LB1	AVP51
DR-LB1, DR-LB4	CX1500

#### Konica Minolta

NP-900	AVP249
NP-1	AVP41
NP-700	AVP700
NP-1, NP-200, NP-400, NP-600, NP-700, NP-800, NP-900	CX1500

#### Kyocera

BP-1100S	AVP411
BP-1000S, BP-800S, BP-900S	AVP51
BP-1000, BP-1100R, BP-800S, BP-900	CX1500

#### Minolta

NP-200, NP-400, NP-500, NP-700	CX1500
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#### NEC

TH71-464	CX1500
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#### Nikon

EN-EL10	AVP140
EN-EL11	AVP317
EN-EL12	AVP612
EN-EL14	AVP489
EN-EL19	AVP529
EN-EL3, EN-EL3e	AVP135
EN-EL7	AVP177
EN-EL8	AVP189
EN-EL9	AVP196
EN-EL1, EN-EL2, EN-EL3, EN-EL5, EN-EL8, EN-EL10	CX1500

**CX1500  
FULL CHARGER  
DOES NOT REQUIRE DCC1**







DCC1 Charger Adaptor to suit	Code
<b>Olympus</b>	
BLL-1	AVP102
BLS-1	AVP106
Li-10B	AVP110
Li-20B	AVP60
Li-30B	AVP130
Li-40B, Li-42B	AVP140
Li-50B	AVP152
Li-60B	AVP317
Li-70B	AVP133
Li-80B	AVP249
BLM-1, Li-10B, Li-12B, Li-20B, Li-40B, Li-42B, PS-BLM1	CX1500

AVP Adaptor  
REQUIRES DCC1  
SOLD SEPARATELY



<b>Panasonic</b>	
CGA-D54S, CGA-D54SE, CGP-D28A, CGP-D28S, CGP-D28SE, CGP-D320, CGP-D54S, CGR-D08, CGR-D08A, CGR-D08R, CGR-D08S, CGR-D08SE, CGR-D120, CGR-D120E, CGR-D120T, CGR-D14, CGR-D16A, CGR-D16S, CGR-D16SE, CGR-D210, CGR-D220, CGR-D220A, CGR-D220E, CGR-D28A, CGR-D320, CGR-D320A, CGR-D320E, CGR-D53A, CGR-S602, CGR-S602A, CGR-S602E, CGR-S602SE, DMW-BL14, VW-VBD21, VW-VBD22, VW-VBD25, VW-VBD33, VW-VBD35, VW-VBD40, VW-VBD55, CGA-DU07, CGA-DU12, CGA-DU14, CGA-DU21, VW-VBD070, VW-VBD140, VW-VBD210, VW-VBG070A, VW-VBG130, VW-VBG260, CGA-S002, CGA-S002A, CGA-S002E, CGA-S006, CGA-S006E, CGR-S002, CGR-S002E, CGR-S006, CGR-S006E, DMW-BM7, DMW-BMA7	AVP128
CGA-S005, CGA-S005E, DMW-BCC12	AVP171
CGA-S007, DMW-BCD10	AVP168
CGA-S008, DMW-BCE10, VW-VBJ10	AVP60
CGA-S301, CGA-S302A, CGA-S302E, VW-VBA10, VW-VBA20, VW-VBA21	AVP303
CGA-S303, VM-VBE10	AVP550
CGR-B202A, PV-DBP5, VW-B202, VW-VBD1	AVP158
DMW-BCF10	AVP154
DMW-BCG10	AVP134
DMW-BCH7	AVP139
DMW-BLB13, DMW-BLB13E	AVP197
DMW-BLE9, DMW-BLE9E	AVP190
DMW-BMB9, DMW-BMB9E, DMW-BMB9GK	AVP326
VW-VBG6	AVP328
VW-VBK180, VW-VBK180GK, VW-VBK180-K, VW-VBK360, VW-VBK360GK, VW-VBK360-K, VW-VBL090, VW-VBL090GK, VW-VBL090PPK, VW-VBL360	AVP380
VW-VBN130, VW-VBN130GK, VW-VBN260, VW-VBN260GK, VW-VBN390, VW-VBN390GK	CX1500
024-910001-10, AGBP-15A, AG-BP15P, AG-BP25, AGBP-25A, BP-DC2, CGA-001, CGA-D07S, CGA-D54S, CGA-DU06, CGA-DU07, CGA-DU07E/1B, CGA-DU12, CGA-DU14, CGA-DU14E/1B, CGA-DU21, CGA-DU21E/1B, CGA-S001E, CGA-S002, CGA-S002E, CGA-S003, CGA-S004, CGA-S004A, CGA-S005, CGA-S005E, CGA-S006, CGA-S006E, CGA-S101E, CGA-S301, CGA-S301A, CGA-S302, CGA-S302A, CGP-D105, CGP-D110, CGP-D110E, CGP-D120, CGP-D210, CGP-D220, CGP-D28A, CGP-D320, CGP-D815, CGR-B202A, CGR-B403A, CGR-D08A, CGR-D08R, CGR-D08S, CGR-D08SE, CGR-D105, CGR-D110, CGR-D120, CGR-D16A, CGR-D16S, CGR-D16SE, CGR-D210, CGR-D220, CGR-D28A, CGR-D28S, CGR-D53A, CGR-D53D, CGR-D815A, CGR-DU06, CGR-DU07, CGR-S001, CGR-S002, CGR-S004E, CGR-S006, CGR-S006E, CGR-S101, CGR-S602, CGR-S602E, CGR-V14, CGR-V14SE, CGR-V26, CGR-V610, CGR-V620, CGR-V620T, DMW-BC7, DMW-BCA7, DMW-BCB7, DMW-BCC12, DMW-BL14, DMW-BM7, DMW-BMA7, PV-DBP5, VQ-VBA12, VSB0418, VSB0419, VSB0471, VW-VBA05, VW-VBA10, VW-VBD07, VW-VBD1, VW-VBD140, VW-VBD1E, VW-VBD2, VW-VBD21, VW-VBD210, VW-VBD22, VW-VBD25, VW-VBD2E, VW-VBD3, VW-VBD33, VW-VBD40, VW-VBP10	



<b>Pentax</b>	
D-Li63	AVP140
D-Li92	AVP152
D-Li88	AVP178
D-Li78	AVP317
D-Li68	AVP368
D-Li90	AVP372
D-Li8, D-Li85, D-Li95	AVP41
D-Li2	AVP60
D-Li7	AVP61
D-Li72	AVP700
D-Li2, D-Li50, D-Li63, D-Li7, D-Li8	CX1500



DCC1 Charger Adaptor to suit	Code
<b>Ricoh</b>	
DB-60, DB-65	AVP128
DB-70	AVP168
DB-80	AVP317
BJ-8	AVP318
DB-40	AVP60
DB-43	AVP61
DB-50	AVP850
DB-20, DB-30, DB-40, DB-43, DB-60	CX1500



<b>Samsung</b>	
BP70A	AVP289
BP85A	AVP287
IA-BH125C	AVP128
IA-BH130LB	AVP341
IA-BP80W	AVP318
IA-BP85ST	AVP855
IA-BP85SW	AVP185
SB-90ASL, SB-P90A, SB-P90AB, SB-P90ASL	AVP900
SB-L110, SB-L110A, SB-L160, SB-L220, SB-L320, SB-L480, SB-L70, SB-L70A, SB-L70R, SB-LS110, SB-LS220, SB-LS70, SB-LS70AB	AVP16
SBL-110G, SBL-70G	AVP870
SB-LH82	AVP882
SB-LSM160, SB-LSM320, SB-LSM330, SB-LSM80	AVP800
SLB-0637	AVP700
SLB-0737, SLB-0837	AVP41
SLB-07A	AVP357
SLB-0837B	AVP413
SLB-0937	AVP937
SLB-1037, SLB-1137	AVP60
SLB-10A	AVP313
SLB-1137C	AVP793
SLB-1137D	AVP391
SLB-11A	AVP340
SLB-1974	AVP815
SB-L110A, SB-L160, SB-L320, SB-L480, SLB-0737, SLB-0837, SLB-1037, SLB-1137	CX1500

AVP Adaptor  
REQUIRES DCC1  
SOLD SEPARATELY

CX1500  
FULL CHARGER  
DOES NOT REQUIRE DCC1



<b>Sanyo</b>	
DB-L10	AVP110
DB-L80	AVP178
DB-L70	AVP317
NP-40	AVP41
DB-L40	AVP410
DBL-50	AVP61
DB-L30	AVP700
DB-L10, DB-L20, DB-L30, DB-L50, UR-211, UR-421	CX1500



<b>Sharp</b>	
BT-L226, BT-L227	AVP226
AD-S30BT, AD-S31BT, AD-T50BT, AD-T51BT, BT-L1, BT-L11, BT-L11U, BT-L12, BT-L12U, BT-L1U, BT-L2, BT-L22, BT-L221, BT-L226, BT-L226U, BT-L227, BTL-22U, BT-L241, BT-L2U, BT-L31, BT-L41, BT-L441	CX1500

<b>Sony</b>	
NP-BD1, NP-FD1, NP-FR1, NP-FT1	AVP113
NP-BG1, NP-FG1	AVP181
NP-BK1	AVP152
NP-BN1	AVP351
NPF330, NPF530, NPF550, NPF570, NPF730, NPF750, NPF770, NPF930, NPF950, NPF960, NPF970, NPFM30, NPFM50, NPFM500H, NPFM51, NPFM55H, NPFM70, NPFM71, NPFM90, NPFM91, NPQM50, NPQM51, NPQM70, NPQM71, NPQM90, NPQM91	AVP555
NP-FA50, NP-FA70	AVP55
NPFH100, NPFH30, NPFH40, NPFH50, NPFH60, NPFH70, NPFF50, NPFF70, NPFF71, NPFF90, NPFFV100, NPFFV50, NPFFV70, NPFFV90	AVP655
NP-FW50	CX1500
LIP-10, LIP-4WM, NP700, NP750, NPF10, NPF100, NPF200, NPF300, NPF330, NPF550, NPF570, NPF730, NPF750, NPF770, NPF930, NPF950, NPF970, NPFC10, NPFC11, NPFE1, NPFF50, NPFF51, NPFF70, NPFF71, NPFM30, NPFM50, NPFM70, NPFM90, NPFF50, NPFF70, NPFF90, NPFR1, NPFS10, NPFS11, NPFS20, NPFS21, NPFS22, NPFS30, NPFS33, NPFT1, NPQM50, NPQM51, NPQM70, NPQM71, NPQM90, NPQM91	





# Power & Lighting

## CHARGER / CONDITIONER Ni-Cd & Ni-MH

### BATTERY CHARGER TO SUIT CLASSIC VIDEO CAMCORDERS

Will test, charge/discharge (condition) both Ni-Cd and Ni-MH. Compatible with a majority of camcorders with 4.8v or 6v batteries. Includes extra contacts for sensor terminals. Includes 240V power pack and a car accessories lead. Displays Charge state and capacity. Simple push button control with automatic circuitry.

Code  
MP900

MP900

Update to Ni-MH battery technology. We have Ni-MH batteries to suit your camcorder. Ni-MH batteries offer higher charge capacity and give a longer service life, and with this charger you can still charge your older Ni-Cd batteries.



Ni-Cd  
Ni-MH

## UNIVERSAL-CHARGER RAPID

Compatible with most Camcorder Batteries including many brands and models using modern Li-Ion or early Ni-MH and Ni-Cd. 3.6V To 7.2V Rapid Charge to any capacity in a very fast 2 to 6 Hours! Powered with either the supplied 240Vac power pack or 12Vdc car adaptor for a versatile take-anywhere solution. Fully automatic, Plug and charge. Easy! Intelligent Microprocessor controlled with LCD function and status display. Includes adaptors so as to suit a majority of camera batteries. Also charges AA/AA Nicad/NiMH cells. Charge time is dependant on the capacity of the battery.

Code  
CX1500



World Voltage Adaptor featuring Australia/NZ plug which snaps off to reveal flat pins suitable for use in many countries.



CHARGES  
Li-Ion  
Ni-MH

Adaptor  
X6  
Plates





## Video Camcorder Batteries

### VHS / VHS-C / 8mm PALM & CAMCORDER

#### Ni-Cd & Ni-MH BATTERIES

For those using this early video technology, we still stock a range of exceptional performance batteries, even if the manufacturer does not!

#### PREMIUM GOLD BATTERIES

Replacement batteries with equal or better specifications to the original OEM batteries.

#### CHARGERS TO SUIT

See the next page for our extensive range of battery chargers that match up to the letter codes listed with each battery, for your convenience.



### SONY/SANYO 8mm

Sony NP33, 55, 66, etc.

**6V 1900mAh Ni-Cd**

Code

VBS601

**Ni-MH 3000mAh**

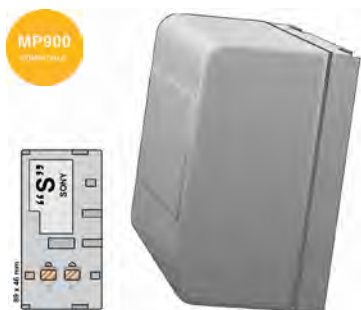
Code

VBS601SM

**Ni-MH 4000mAh**

Code

VBT1601XM



### SHARP VIEWCAM Ni-MH

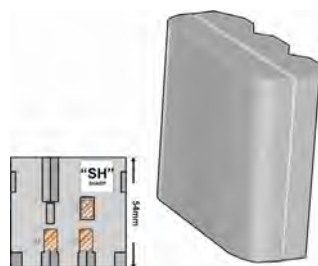
**3.6V 4000mAh Ni-MH**

Original Part No

Suit VL-A, AH, E, S, SE, SW.

Code

VBH21H



### 6V VHSC LONG RANGE PANASONIC

Suit GRAX & BNV series.  
BNV14RU, VW-VBS2E,  
NV-G3, MS70, MS90, S1,  
VW-VBS1E,5E, and more!  
**6V 2100mAh (60 min)**

Code

VB5MH

**6V Longer Range**

See NiMH below...



### PROFESSIONAL VIDEO CAMERA NP1

Slide-in type as used in Professional video equipment. Sony Betacam, Panasonic, Hitachi, Ikegami.

Type	NiMH	Li-Ion
Power	4000mAh	5200mAh
Volts	12V	
Size	71 x 25 x 185mm	
Code	RBV71	NP1L



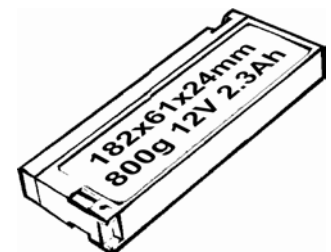
### SLA CAMERA BATTERY

Suits M5, M7, M10, NV180, CANON VR30 & many more.  
12V 2.3Ah. Premium Gold.

Equiv.	LB-VMV-BM10, LC-SA122R-3BU, VW-VBM10E
--------	---

Code

VB10



CONNECTOR: See PL10

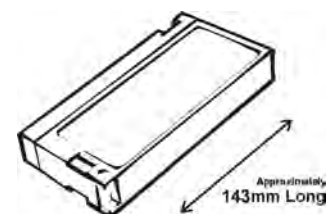
### SLA CAMERA BATTERY

Suits National Panasonic VHS Cam NVM40A NVMS4A etc.  
Batt. 12V 2Ah.

Original Part No	LCS2012DP, LCSD122PU, VW-VBF2
------------------	-------------------------------------

Code

VBF2



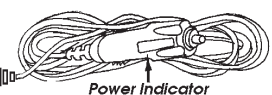
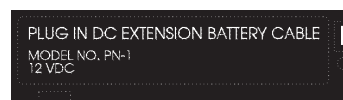
CONNECTOR: See PL10

### SLA BATTERY ELIMINATOR

Plugs into car accessories socket so as to allow products using the VB10 battery to run off 12 volts.

Code

PN1

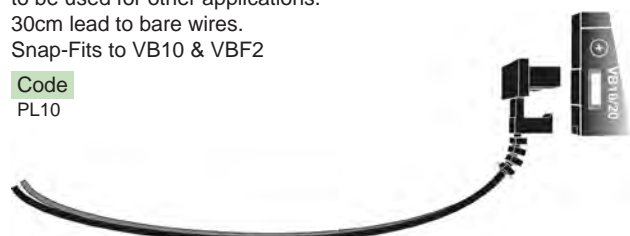


### SLA BATTERY LEAD

Adapts the popular VB10 battery to be used for other applications.  
30cm lead to bare wires.  
Snap-Fits to VB10 & VBF2

Code

PL10







# Power & Lighting

## DVC

### DIGITAL VIDEO CAMCORDER

Cassette  
Hard Disk  
SD Memory



## CANON BP-2L12

Suit	Elura, DC, FVM, etc.
Original	BP-2L14, etc.
Part No	
Size	33x30x45mm
Type	Lilon
Volts	7.4V
Power	10Wh
Code	RBV60



## CANON BP511

Suit	G1, MV600, PRO1, G1, EOS10D.
Original	BP511
Part No	
Size	36x21x55mm
Type	Lilon
Volts	7.4V
Power	1400mAh
Code	RBV53



## CANON BP208

Suit	DC, Elura, iVIS, etc.
Original	BP-208, DG.
Part No	
Size	40x8x63mm
Type	Lilon
Volts	7.4V
Power	850mAh
Code	RBV74



## CANON BP522

Suit	Optura ZR60
Original	BP522
Part No	
Size	36x40x55mm
Type	Lilon
Volts	7.4V
Power	2800mAh
Code	RBV10



## GOPRO HD HERO

Suit	HD Hero, 2
Original	ABPAK AHDBT
Part No	
Size	35x8x45mm
Type	Lilon
Volts	3.7V
Power	1.1Ah
Code	RBH139



## CANON BP911+

Suit	DMMV1, MV100, ES50, UCX2, XM1.
Original	BP911 to BP941
Part No	
Size	38x21x70mm
Type	Li-Ion
Volts	7.2V
Power	1850mAh
Code	RBV55



## HITACHI SONY

### INFO-LITHIUM 1081i Upgraded

Suit	VME, etc.
Original	VM-N520, VM-NP500
Part No	
Type	Lilon
Size	38x21x71mm
Volts	7.2V
Power	2000mAh
Code	RBV550



## CANON PRO BP941 LONG-RANGE

Suit	XL1, etc.
Original	BP941, VCL010
Part No	
Size	38x60x70mm
Type	Lilon
Volts	7.2V
Power	5500mAh
Code	RBV16



## HITACHI JVC PANASONIC

Hitachi	VM-BPL13, 27, 60.
JVC	BN-V812, 814
Panasonic	VWVBD1, 2.
Type	Lilon
Size	38x21x70mm
Volts	7.2V
Power	2300mAh
Code	RBV46



## CANON BP808

Suit	FS, HF, iVIS, Legria, Vixia.
Type	Lilon
Volts	7.4V
Power	0.9Ah 1.78Ah 2.6Ah
Size	30x23x40mm 30x45x40mm 30x59x40mm
Original	BP808D BP819 BP827
Part No	
Code	RBV94 VB-BP819 VB-BP827



## HITACHI JVC PANASONIC

Hitachi	VM-BPL13, 27
JVC	BN-V812, 814
Panasonic	VWVBD1, 2.
Type	Lilon
Size	38x40x70mm
Volts	7.2V
Power	3700mAh
Code	RBV14







## JVC BN-V712U 3.6V

Suit	GR-DVJ Series
Original	BN-V712U, VJL001, V272.
Part No	
Type	Lilon
Size	20x20x71mm
Volts	3.6V
Power	2400mAh
Code	RBV48



## JVC BN-VF714

Suit	D250, 270, 271, D290, 295, etc.
Original	BNVF714
Part No	
Size	38x41x40mm
Type	Lilon
Volts	7.2V
Power	1400mAh
Code	RBV18



## JVC BN-V408 BN-V416 BN-V428

Suit	GRD20, 30, 60, 70, etc. DVL100, 507,....
Original	BN-V408, 416, 428
Part No	
Type	Lilon
Size	39x37x56mm 55x37x56mm
Volts	7.2V 7.2V
Power	1700mAh 3400mAh
Code	VBJL817H RBV08



## JVC BN-VF733

Suit	GR-D, GZ-MG, etc.
Original	BN-VF707, 714, 733.
Part No	
Size	41x38x64mm
Type	Lilon
Volts	7.2V
Power	3.3Ah
Code	RBV83



## JVC BN-V306 BN-V312

Suit	GR-DVM76, 96. GR-DVX400, 408, 507, GR-DVX707, 709, etc.
Original	BN-V306, 312.
Part No	
Type	Lilon
Size	33x23x54mm
Volts	7.2V
Power	2000mAh
Code	RBV05



## JVC BN-VM200

Suit	GZ-MC100, 200, and GZ-MC500.
Original	BN-VM200
Part No	
Size	41x8x58mm
Type	Lilon
Volts	7.2V
Power	750mAh
Code	RBV19



## JVC BN-V107 BN-V114

Suit	DVP3, 7U, DX35K, 95K, 97U.
Original	BN-V107, V114
Part No	
Type	Lilon
Volts	7.4V
Size	6x49x67mm 19x49x67mm
Power	900mAh 1850mAh
Code	RBV02 RBV04



## JVC BN-VF808

Suit	GR-D750, GZ-MG135, MG555.
Original	BN-VF808
Part No	
Size	31x34x51mm
Type	Lilon
Volts	7.2V
Power	850mAh
Code	RBV84



## JVC BN-V507 BN-V514

Suit	DVX4, 40, 50, DVX7, 8, 80, M80
Original	BN-V507, 514.
Part No	
Size	52x31x71mm
Type	Li-Ion
Volts	7.2V
Power	1850mAh
Code	RBV52



## JVC BN-VF815

Suit	GR-D750, GZ-MG135, MG555
Original	BN-VF815
Part No	
Size	31x40x51mm
Type	Lilon
Volts	7.2V
Power	1600mAh
Code	RBV85



## JVC BN-VF707

Suit	D250, 270, 271, D290, 295, etc.
Original	BNVF707
Part No	
Size	38x41x40mm
Type	Lilon
Volts	7.2V
Power	700mAh
Code	RBV17



## JVC BN-VF823

Suit	GR-D750, GZ-MG135, MG555.
Original	BN-VF823
Part No	
Size	31x52x51mm
Type	Lilon
Volts	7.2V
Power	2300mAh
Code	RBV86







# Power & Lighting

## PANASONIC VW-VBD VW-B

Suit	NV-DJ1, 100, NV-DS5, DX1, DX100, PV-DBP5, PV-DV1000.
Original Part No	VW-VBD1, VWB202
Type	Lilon
Size	38x21x70mm
Volts	7.2V
Power	2300mAh
Code	RBV46



DCC1+AVP550



## PANASONIC VW-VBD

Suit	NV-GS11, 15, etc.
Original Part No	VW-VBD20,21,40, CGP-D105,110,120, CGR-D320,
Type	Lilon
Size	36x19x60mm
Volts	7.2V
Power	1200mAh
Code	RBV45



CX1500



## PANASONIC VW-VBL090

Suit	HDC, SDR
Original Part No	VW-VBL090
Size	30x15x43mm
Type	Lilon
Volts	3.7V
Power	800mAh
Code	VB-VW-VBL090



## PANASONIC CGA CGP CGR LONG-RANGE

Suit	NV-DA, DS, GS
Original Part No	CGA, CGP, CGR.
Size	36x54x60mm
Type	Lilon
Volts	7.2V
Power	3500mAh
Code	RBV06



CX1500



## PANASONIC VW-VBG

Suit	HDC-HS, SD, TM, etc.
Type	Lilon
Volts	7.4V
Power	750mAh 1.32Ah 2.64Ah
Size	36x25x40mm 36x25x40mm 36x47x40mm
Original Part No	VW-VBG070 VW-VBG130 VW-VBG260
Code	RBV97 RBC100 RBV99



## PANASONIC CGA-DU07

Suit	GS55, 120, VDR-M50, 70
Original Part No	CGA-DU07
Type	Lilon
Size	36x17x41mm
Volts	7.2V
Power	680mAh
Code	RBV21



CX1500



## PANASONIC CGR-V

Suit	NV-RS7, RX14, RX67, NV-RZ10, VS4, VX24, NV-VZ1, Z1, etc.
Original Part No	CGR-V610, V620
Type	Lilon
Size	46x22x73mm
Volts	7.2V
Power	1850mAh
Code	RBV47



CX1500



## PANASONIC CGA-DU14

Suit	GS120, 300. VDR-M50, 70.
Original Part No	CGA-DU14
Type	Lilon
Size	36x30x41mm
Volts	7.2V
Power	1360mAh
Code	RBV22



DCC1+AVP407



## PANASONIC CGR-V LONG-RANGE

Suit	NV-MJ011, NC012, NV-RS7, RX17, RZ1, VS4, CGR-V4, 610, 620.
Original Part No	
Type	Lilon
Size	46x41x73mm
Volts	7.2V
Power	3700mAh
Code	RBV13



CX1500



## PANASONIC CGA-DU21

Suit	GS300, 400. VDR-M50, 70
Original Part No	CGA-DU21
Type	Lilon
Size	36x42x41mm
Volts	7.2V
Power	2040mAh
Code	RBV23



DCC1+AVP407



## PANASONIC VW-VB10E

Suit	NV-A3A, R11, RX14, NV-S600, SX30, VX1
Original Part No	VW-VB10E, etc.
Type	NiMH
Size	46x20x73mm
Volts	4.8V
Power	2100mAh
Code	RBV03



CX101



## PANASONIC VW-VBK

Suit	HDC-HS, SD, TM, and others.
Type	Lilon
Volts	3.7V
Power	1.7Ah 3Ah
Size	31x23x44mm 31x41x43mm
Original Part No	VW-VBK1480 VW-VBK360
Code	RBV98 RBV100







## PANASONIC VW-VBG6

Requires Original VW-VH04E Battery Holder

Suit	HDC-HS, SD, NV-GS, H, VDR-D
Original Part No	VW-VBG6
Type	Lilon
Volts	7.4V
Power	5.2Ah
Size	36x79x65mm
Code	RBV111



## SHARP H21H

Suit	VL-A, AH, E, S, SE, SW, BT-H21
Original Part No	
Size	54x19x56mm
Type	NiMH
Volts	3.6V
Power	2.7Ah
Code	VBH21H



## SHARP JUNIPER SYSTEMS

Suit	VL-E, VL-H, VL-S
Original Part No	BT-H11, 12523
Size	56x19x72mm
Type	NiMH
Volts	3.6V
Power	4Ah
Code	VBH11H



## CHARGERS TO SUIT

### UNIVERSAL CHARGER

Includes adaptors to suit any battery as indicated.

### DCC1 +AVC ADAPTOR

Purchase DCC1 then Requires AVC Adaptor to suit.



Li-Ion



**BATTERY ADAPTORS SOLD SEPARATELY**

## SAMSUNG SB-L 8mm

Suit	VP-L900, VP-W90
Original	SB-L160
Part No	
Type	Lilon
Size	38x20x70mm
Volts	7.4V
Power	1850mAh
Code	RBV56



DCC1+AVP16

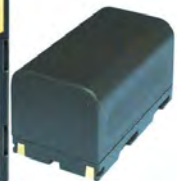


## SAMSUNG SB-L LONG-RANGE

Suit	VP-L900, W90
Original	SB-L160, SB-L320
Part No	
Type	Lilon
Size	38x38x70mm
Volts	7.4V
Power	3700mAh
Code	RBV36



DCC1+AVP16



## SAMSUNG SC-HMX VP-MX

Suit	SC-HMX10, MX10, VP-HMX10, MX10.
Original	IA-BP85ST
Part No	
Type	Lilon
Size	38x13x89mm
Volts	7.4V
Power	850mAh
Code	RBV89



DCC1+AVP855

## SAMSUNG

Suit	HMX-H300, SMX-F50, etc.
Original	IA-BP105R, IA-BP210R
Part No	
Type	Lilon
Size	33x25x45mm
Volts	3.7V
Power	1.8Ah
Code	RBV110



## SAMSUNG SB-LSM

Suit	SC-D, DC, VP-D, etc.
Type	Lilon
Volts	7.4V
Power	1.4Ah 0.8Ah
Size	31x30x54mm 31x16x54mm
Original	SD-LSM160 SD-LSM80
Part No	
Code	RBV81 RBV80



## SAMSUNG IA-BP80W

Suit	SC-D, DX, VP-D, DX.
Original	IA-BP80W
Part No	
Type	Lilon
Size	37x10x54mm
Volts	7.4V
Power	0.7Ah
Code	RBV95







## SONY



### SONY NP-FV50

Suit	DCR, DCR-DVD, HDR, NEX.
Original Part No	NP-FV50
Size	32x18x45mm
Type	Lilon
Volts	6.8V
Power	980mAh
Code	VB-NPFV50



### SONY NP-QM90, 91 MEGA-RANGE

#### INFO-LITHIUM COMPATIBLE

DCC1+AVP550

Suit	M Series Replacement DCR-DVD100, DCR-PC, DSCF, DSCS, MVCCD, etc.
Original Part No	NP-FM90, FM91, NP-QM51, etc.
Type	Lilon
Size	38x60x56mm
Volts	7.2V
Power	4500mAh
Code	RBV63



### SONY NP-FP50

#### INFO-LITHIUM COMPATIBLE

DCC1+AVP55

Suit	P Series Replacement DCR-DVD203, 403, DCR-HC Series.
Original Part No	NP-FP50
Type	Lilon
Size	32x19x46mm
Volts	7.2V
Power	680mAh
Code	RBV27



### SONY NP-QM51 & NP-FM50

#### INFO-LITHIUM SQ COMPATIBLE

DCC1+AVP550

Suit	M Series SQ Replacement CCD-TRV418, DCR-DVD100, DCR-TRV, DSCF, DSCS, etc.
Original Part No	NP-FM50, FM51, NP-QM50, QM51.
Type	Lilon
Size	38x20x56mm
Volts	7.2V
Power	1100mAh
Code	RBV61



### SONY NP-FP70 LONG-RANGE

#### INFO-LITHIUM COMPATIBLE

DCC1+AVP55

Suit	P Series Replacement DCR-DVD203, 403, DCR-HC Series.
Original Part No	NP-FP50, NP-FP70
Type	Lilon
Size	32x33x46mm
Volts	7.2V
Power	1360mAh
Code	RBV28



### SONY NP-QM70, 71 LONG-RANGE

#### INFO-LITHIUM SQ COMPATIBLE

DCC1+AVP550

Suit	M Series SQ Replacement CCD-TRV418, DCR-PC, DCR-TRV, MVCCD, etc.
Original Part No	NP-FM70, FM71, NP-QM70, QM71.
Type	Lilon
Size	38x40x56mm
Volts	7.2V
Power	2800mAh
Code	RBV62



### SONY NP-FP90 MEGA-RANGE

#### INFO-LITHIUM COMPATIBLE

DCC1+AVP55

Suit	P Series Replacement DCR-DVD203, 403, DCR-HC Series.
Original Part No	NP-FP70, NP-FP90
Type	Lilon
Size	32x46x46mm
Volts	7.2V
Power	2460mAh
Code	RBV29



### SONY NP-FS11, 12

#### INFO-LITHIUM COMPATIBLE

CX1500

Suit	S Series Replacement Cybershot 505V, RUVI, CCD-CR1, DCR-PC1, PC5, TRV1VE, DSC-F55K.
Original Part No	NP-F10, NP-FS10, FS11
Type	Lilon
Size	30x16x50mm
Volts	3.6V
Power	1100mAh
Code	RBV68







## SONY NP-FV100

Suit	DCR, DCR-DVD, HDR, NEX.	
Original Part No	NP-FV100	NP-FV90
Size	32x56x45mm	32x56x45mm
Type	Lilon	Lilon
Volts	7.4V	7.4V
Power	3.3Ah	2.2Ah
Code	VB-NPFV100	VB-NPFV90



## SONY NP-FH50

### REPLACES ACTIFORCE

DCC1+AVP55

Suit	DCR-DVD103, 910E, DCR-HC16, DCR-HC96, DCR-SR30, DCR-SR300, HDR-CX6, HC3, SR11, UX7	
Original Part No	NP-FH50 Actiforce	
Type	Lilon	
Size	32x19x45mm	
Volts	6.8V	
Power	900mAh	
Code	RBV91	



## SONY NP-FV70

Suit	DCR, DCR-DVD, HDR, NEX.	
Original Part No	NP-FV70	
Size	32x33x45mm	
Type	Lilon	
Volts	6.8V	
Power	1.96Ah	
Code	RBV96	



## SONY NP-FH70

### REPLACES ACTIFORCE

DCC+AVP55

Suit	DCR-DVD103, 910E, DCR-HC16, DCR-HC96, DCR-SR30, DCR-SR300, HDR-CX6, HC3, SR11, UX7	
Original Part No	NP-FH70 Actiforce	
Type	Lilon	
Size	32x34x45mm	
Volts	6.8V	
Power	1800mAh	
Code	RBV92	



## SONY NP-FA

Suit	DCR-DVD7, DCR-HC90, DCR-PC1000	
Type	Lilon	
Volts	7.2V	
Power	650mAh	1000mAh
Size	47x7x76mm	47x10x76mm
Original Part No	NP-FA50	NP-FA70
Code	RBV39	RBV40



DCC1+AVP555

INFO-LITHIUM  
COMPATIBLE

## SONY NP-FH100

### REPLACES ACTIFORCE DCC1+AVP55

Suit	DCR-DVD103, 910E, DCR-HC16, DCR-HC96, DCR-SR30, DCR-SR300, HDR-CX6, HC3, SR11, UX7	
Original Part No	NP-FH50 Actiforce	
Type	Lilon	
Size	32x56x45mm	
Volts	6.8V	
Power	3900mAh	
Code	RBV90	



## SONY NPF750

Suit	CCD-TR, DCR-TRV, DSR + More.	
Original Part No	NPF750	
Type	Lilon	
Size	38x39x71mm	
Volts	7.4V	
Power	4Ah	
Code	VBF750	



## SONY COMPATIBLE MULTI-CHARGER

This universal unit will charge all Li-Ion batteries on this page, rapidly! And others, including AA!

Sony F Series  
Sony L Series  
Sony M Series  
Sony S Series

Code  
CX1500



## SONY NP-F550, 570

### INFO-LITHIUM 1081i Upgraded

Suit	L Series Replacement, CCD-TR, DCR-TRV, MVC-FD, DSRPD170P, HDRFX1, etc.	
Original Part No	NP-F330, F530, NP-F550, F570.	
Type	Lilon	
Size	38x21x71mm	
Volts	7.2V	
Power	2000mAh	
Code	RBV550	



DCC1+AVP550





# Power & Lighting

## □ Cordless Phone Batteries



Suit	Code
------	------

### Audioline

SLIM DECT 500	RBP100
SLIM DECT 502	RBP100
SLIM DECT 580	RBP100
SLIM DECT 582	RBP100
CDL200	RBP33
CDL400	RBP33
FF893	RBP33
CDL900	RBP45
CFL900	RBP45
BT-C50	RBP52
FF788	RBP52
FF883	RBP52
FF888	RBP52
FF888-2	RBP52
FF988	RBP52
FF989	RBP52
BT-C150	RBP53
CDL100	RBP53
CDL110	RBP53
CDL1A	RBP53
CDL310	RBP53
CDL450	RBP53
CDL500	RBP53
CDL501	RBP53
FF882	RBP53
FF885	RBP53
FF894-2	RBP53
FF894HS	RBP53
FF895	RBP53
FF895HS	RBP53
DECT CP5016	RBP61
5015	RBP69
70	RBP69
71	RBP69
CP60	RBP69
CP70	RBP69
CDL200	RBP80
CDL400	RBP80
FF893	RBP80

### Doro

160	RBP69
160 DECT	RBP69
360 DECT	RBP69
60	RBP69
60 DECT	RBP69
DECT60	RBP69
820	RBP75
821	RBP75
830R	RBP75
8075	RBP76
8085	RBP76

### Doro Matra

Dunea 160C	RBP69
Dunea 260C	RBP69
Dunea 350C	RBP69
Dunea 360	RBP69
Dunea 360C	RBP69
Dunea 362C	RBP69
Dunea 60C	RBP69
Solea 100	RBP69
Solea 150	RBP69
Solea 160C	RBP69
Solea 200	RBP69
Solea 250	RBP69
Solea 300	RBP69
Solea 350C	RBP69
Solea 352C	RBP69

### Brother

BCL-D20, MCF-885CW	RBP105
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### Bang & Olufsen

BeoCom 6000	RBP86
BeoCom 4	RBP95

Suit	Code
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### Alcatel

300 DECT, 400DECT	RBP106
IPTouch 600	RBP108
4073GS, Alitset M-S,	RBP54
Alitset S Gap,	
Bilboa 570	

### Avaya Spectralink

3626, BPX100, I640,	RBP108
Polycom PTX150,	
PTB400, PTB410,	
PTB450, PTB500,	
PTB510, PTB600,	
PTB610, PTB710,	
PTB810, PTB81650,	
PTS330, PTS360,	
PTX110, PTX130A,	
PTX151, RNP2400,	
SL650, WTS400	
3616, BPE100,	RBP110
BPE110, Netlink E340,	
PTE130A, PTE150	

### DSE - Dick Smith

F7023,F7025,F7026	RBP02
F7005	RBP04
F7297	RBP07
F7297	RBP81
DSE250, F7022,	RBP08
MP250	
F5800, F5805, F5810,	RBP20
MDL789, Y1190	
F7020	RBP32
F7030	RBP41
F7035	RBP61
F7356,F7357	RBP73
8085	RBP76

### Netlink

i640	RBP108
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### Omni

CT-300	RBP10
CT-900 Longreach	RBP41
CT-500	RBP42
CT-1818	RBP46
CT-905 Chicco	RBP47
CT-906C	RBP47
CT-910 Piccolo	RBP47
CT-911	RBP47
CT-920	RBP47
SN-900 Engenius	RBP55
CT-2020 Elite	RBP62
CT-2500	RBP64

### Oricom

M500-2	RBP103
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### Sagem

253230694	RBP104
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### Sony

57	RBP07
57	RBP81
A20	RBP07
A20	RBP81
A40	RBP07
A40	RBP81
A60	RBP07
A60	RBP81

SP-A945	RBP49
SPP-100	RBP20
SPP-1010	RBP38
SPP-10910	RBP49
SPP-110	RBP34
SPP-200	RBP20
SPP-2010	RBP38
SPP-300	RBP20
SPP-3000	RBP38
SPP-50	RBP34
SPP-510	RBP05
SPP-55	RBP02
SPP-560F	RBP38
SPP-60	RBP05
SPP-62	RBP57
SPP-65	RBP02
SPP-80	RBP05
SPP-860F	RBP38
SPP-90	RBP05
SPP-900	RBP49
SPP-910	RBP49
SPP-930	RBP49

Suit	Code
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SPP-A9276	RBP59
SPP-A940	RBP49
SPP-A941	RBP49
SPP-A957	RBP59
SPP-A967	RBP59
SPP-A972	RBP49
SPP-A973	RBP49
SPP-A985	RBP49
SPP-D15	RBP07
SPP-D15	RBP81
SPP-ID910	RBP49
SPP-ID970	RBP49
SPP-ID971	RBP49
SPP-ID975	RBP49
SPP-IM977	RBP49
SPP-IM982	RBP49
SPP-M920	RBP49
SPP-M932	RBP49
SPP-M937	RBP49
SPP-S9226	RBP59
SPP-SS951	RBP59
SPP-SS955	RBP59
SPP-SS961	RBP59
SPP-SS965	RBP59
SPP-SS966	RBP59
SSO-50	RBP05
SSP-50	RBP05
SSP-80	RBP05
SSP-S10	RBP34

### Telstra

8450	RBP100
9200	RBP96
8400A	RBP100
9200A	RBP96
CLS-8450	RBP100
Freedom 100	RBP02
Freedom 1000	RBP56
Freedom 1100	RBP56
Freedom 120	RBP10
Freedom 1500	RBP56
Freedom 200	RBP02
Freedom 2010	RBP70
Freedom 220	RBP10
Freedom 250	RBP10
Freedom 320	RBP10
Freedom 400	RBP10
Freedom 440	RBP10
Freedom 450	RBP10
Freedom 450E	RBP10
Freedom 460	RBP50
Freedom 480	RBP56
Freedom 50	RBP39
Freedom 500	RBP10
Freedom 510	RBP36
Freedom 520	RBP36
Freedom 6010	RBP70
Freedom 640	RBP36
Freedom 70	RBP56
Freedom 710	RBP10
Freedom 901	RBP49
Freedom 910	RBP63
Freedom 912	RBP49
Slim 8450	RBP100
Slim Touch 9650	RBP103
T-Hub Handset	RBP104
V580A	RBP69
V580Q	RBP69
V850a	RBP96
V850q	RBP96
V950a	RBP96

### Uniden

AE155	RBP22
AE156	RBP22
B422	RBP05
BA87	RBP05
CLX465	RBP90
CLX475	RBP90
CLX485	RBP90
CR310	RBP72
CT301	RBP07
CT301	RBP81
DCT750	RBP102
DCT750	RBP66
DCT756	RBP102
DCT756	RBP66
DCT7565	RBP102
DCT7565	RBP66
DCT758	RBP102
DCT758	RBP66
DCT7585	RBP102
DCT7585	RBP66
DCX700	RBP102
DCX700	RBP66
DCX750	RBP102
DCX750	RBP66
DCX756	RBP102
DCX756	RBP66

Suit	Code
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DCX770	RBP88
DECT1015	RBP72
DECT1035	RBP72
DECT2005	RBP72
DECT2015	RBP72
DECT2035	RBP72
DECT6005	RBP97
DECT6015	RBP97
DECT6035	RBP97
DG72	RBP45
DG900	RBP48
DG910	RBP41
DG980	RBP48
DGA900	RBP48
DGA940	RBP48
DGA1980	RBP48
DMX776	RBP88
DMX778	RBP88
DS70	RBP45
DS71	RBP45
DS72	RBP45
DS73	RBP45
DS805	RBP71
DS810	RBP71
DS815	RBP71
DS825	RBP71
DS845	RBP71
DS875	RBP71
DSS2105	RBP73
DSS2115	RBP73
DSS2155	RBP47
DSS2155	RBP73
DSS2165	RBP47
DSS2165	RBP73
DSS3415	RBP102
DSS3415	RBP66
DSS3435	RBP102
DSS3435	RBP66
DSS3436	RBP66
DSS3450	RBP102
DSS3450	RBP66
DSS3455	RBP102
DSS3455	RBP66
DSS34XX series	RBP73
DSS5805	RBP73
DSS5855	RBP73
DSS5865	RBP73
DSS58XX series	RBP73
DSS7805	RBP73
DSS7815	RBP73
DSS7855	RBP73
DSS78XX series	RBP73
DSS7955	RBP73
DSS7956	RBP73
DSS79XX series	RBP73
DSS89XX series	RBP73
DX8200	RBP07
DX8200	RBP81
DX834	RBP07
DX834	RBP81
EA570	RBP05
ELBT585	RBP89
ELBT595	RBP89
ELITE 8805	RBP90
ELITE 8815	RBP89
ELITE 8855	RBP89
ELITE 9005	RBP89
ELITE 9035	RBP96
ELT560	RBP89
ELX500	RBP89
EX155	RBP01
EX200	RBP01
EX2100	RBP11
EX250	RBP05
EX255	RBP11
EX300	RBP01
EX3101	RBP11
EX3102	RBP11
EX350	RBP05
EX3810	RBP11
EX400	RBP01
EX4100	RBP11
EX4101	RBP11
EX4102	RBP11
EX422	RBP01
EX4800	RBP11
EX500	RBP01
EX550	RBP01
EX777	RBP05
EX905	RBP38
EX95	RBP38
EXP900	RBP38
EXP905	RBP38
EXP95	RBP38
EXP96	RBP38
EXR2400	RBP48
EXR2460	RBP48
EXS-9910, 9950, 9960	RBP49
EXS-9965, 9960, 9980	RBP49

Suit	Code
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EXS-9995	RBP49
EXT-1960, 1965	RBP49
SSE05	RBP72
SSE15	RBP59
SSE17	RBP59
SSE25	RBP72
SSE28	RBP72
TCX400	RBP90
TCX440	RBP90
TCX930	RBP102
TCX930	RBP66
TRU9360	RBP102
TRU9360	RBP66
WDECT2005	RBP72
WDECT2015	RBP72
WDECT2035	RBP72
WDECT2300	RBP73
WDECT2305	RBP73
WDECT2315	RBP73
WDECT2345	RBP73
WDECT2355	RBP73
WDECT2380	RBP88
WDECT2385	RBP88
WDECT33XX series	RBP73
WDSS53XX series	RBP73
WIN1200	RBP90
WXI377 NiMH	RBP102
WXI377 NiCD	RBP66
XC1410	RBP59
XC1660	RBP07
XC1660	RBP81
XC301	RBP07
XC301	RBP81
XC310	RBP07
XC310	RBP81
XC315	RBP07
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XC318	RBP07
XC320	RBP07
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XC360	RBP07
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XC610	RBP07
XC610	RBP81
XC630	RBP40
XC631	RBP40
XC633	RBP40
XCA650	RBP07
XCA650	RBP81
XCA660	RBP07
XCA660	RBP81
XCA680	RBP07
XCA680	RBP81
XCAI680	RBP07
XCAI680	RBP81
XDECT7005	RBP96
XDECT7015	RBP96
XDECT7055	RBP96
XDECTRO55	RBP96
XE200	RBP07
XE200	RBP22
XE200	RBP81
XE300	RBP07
XE300	RBP22
XE300	RBP81
XE400	RBP07
XE400	RBP22
XE400	RBP81
XE500	RBP07
XE500	RBP22
XE500	RBP81
XE600	RBP03
XE700	RBP07
XE700	RBP22
XE700	RBP81
XS1210, 1215, 1410	RBP59
XS610	RBP07
XS610	RBP81
XS620	RBP07
XS620	RBP81
XS910	RBP72
XS915	RBP59
XS916	RBP59
XSA1255	RBP59
XSA650	RBP07
XSA650	RBP81
XSA655	RBP07
XSA655	RBP81
XSA660	RBP07
XSA660	RBP81
XSA955, 965	RBP59
XSR917	RBP59
XSR918	RBP59





Suit	Code	Suit	Code	Suit	Code	Suit	Code
<b>Panasonic</b>							
BB-GT1500	RBP98	KX-T3935	RBP07	KX-TC1245	RBP66	KX-TG2730	RBP84
BB-GT1502	RBP98	KX-T3935	RBP81	KX-TC1245	RBP73	KX-TG2730S	RBP98
BB-GT1520	RBP98	KX-T3940	RBP07	KX-TC1271	RBP66	KX-TG2740S	RBP84
BB-GT1522	RBP98	KX-T3940	RBP81	KX-TC1271	RBP73	KX-TG2740S	RBP98
BB-GT1540	RBP98	KX-T3941BX	RBP07	KX-TC1281	RBP66	KX-TG2750S	RBP98
BB-GT1540	RBP98	KX-T3941BX	RBP81	KX-TC1281	RBP73	KX-TG2770S	RBP84
BB-GTA150	RBP98	KX-T3950	RBP07	KX-TC1282	RBP66	KX-TG2770S	RBP98
E3836q	RBP07	KX-T3950	RBP81	KX-TC1282	RBP73	KX-TG3021	RBP98
E-C3806	RBP07	KX-T3951BX	RBP07	KX-TC167AL	RBP07	KX-TG3022	RBP98
E-C3806	RBP81	KX-T3951BX	RBP81	KX-TC167AL	RBP81	KX-TG3024S	RBP98
E-C3826	RBP07	KX-T3960	RBP07	KX-TC1801B	RBP59	KX-TG3031	RBP98
E-C3826	RBP81	KX-T3960	RBP81	KX-TC1851	RBP59	KX-TG3032	RBP98
E-C3836	RBP07	KX-T3965	RBP07	KX-TC1871	RBP59	KX-TG3033	RBP98
E-C3836	RBP81	KX-T3965	RBP81	KX-TC187AL	RBP07	KX-TG3034	RBP98
E-C3836	RBP07	KX-T3968	RBP22	KX-TC187AL	RBP81	KX-TG3510	RBP98
KX-A381	RBP07	KX-T3970MX	RBP07	KX-TC1890B	RBP59	KX-TG3511	RBP98
KX-A381AL	RBP81	KX-T3970MX	RBP81	KX-TC2000AL	RBP07	KX-TG3520	RBP98
KX-FC175AL	RBP59	KX-T3971BX	RBP07	KX-TC2000AL	RBP81	KX-TG3521	RBP98
KX-FPG376	RBP98	KX-T3971BX	RBP81	KX-TC2100	RBP07	KX-TG3522	RBP98
KX-FPG381	RBP98	KX-T3980	RBP07	KX-TC2100AL	RBP81	KX-TG3526	RBP98
KX-T3000	RBP16	KX-T3980	RBP81	KX-TC901	RBP11	KX-TG3531	RBP98
KX-T3610	RBP07	KX-T3981BX	RBP07	KX-TCA14	RBP44	KX-TG3532	RBP98
KX-T3610	RBP81	KX-T3981BX	RBP81	KX-TCA255AL	RBP99	KX-TG3533	RBP98
KX-T3611BX	RBP07	KX-T4000	RBP30	KX-TCA391ALN	RBP07	KX-TG3536	RBP98
KX-T3611BX	RBP81	KX-T4000R	RBP16	KX-TCC116ALW	RBP81	KX-TG4000	RBP72
KX-T3620	RBP07	KX-T4001	RBP30	KX-TCC116ALW	RBP07	KX-TG4000B BASE	RBP507A
KX-T3620	RBP81	KX-T4006AL	RBP30	KX-TCC116ALW	RBP81	KX-TG5050W	RBP78
KX-T3621	RBP07	KX-T4026AL	RBP07	KX-TCM418ALW	RBP07	KX-TG5055W	RBP78
KX-T3621	RBP81	KX-T4026AL	RBP81	KX-TCM418ALW	RBP81	KX-TG5100M	RBP84
KX-T3640	RBP07	KX-T4027AL	RBP07	KX-TD7680	RBP99	KX-TG5100M	RBP98
KX-T3640	RBP81	KX-T4027AL	RBP81	KX-TG1871BQ	RBP59	KX-TG5110M	RBP84
KX-T3705	RBP07	KX-T4036AL	RBP07	KX-TG200	RBP104	KX-TG5110M	RBP98
KX-T3705	RBP81	KX-T4036AL	RBP81	KX-TG200	RBP44	KX-TG5200M	RBP78
KX-T3710	RBP07	KX-T4046AL	RBP07	KX-TG200 BASE	RBP507A	KX-TG5202M	RBP78
KX-T3710	RBP81	KX-T4046AL	RBP81	KX-TG2000B	RBP104	KX-TG5210M	RBP78
KX-T3711BX	RBP07	KX-T4047AL	RBP07	KX-TG2000B BASE	RBP507A	KX-TG5212M	RBP78
KX-T3711BX	RBP81	KX-T4047AL	RBP81	KX-TG210	RBP44	KX-TG5230	RBP78
KX-T3716	RBP07	KX-T4060-F	RBP07	KX-TG2205	RBP84	KX-TG5240	RBP78
KX-T3716	RBP81	KX-T4060-F	RBP81	KX-TG2205W	RBP98	KX-TG5821	RBP78
KX-T3720	RBP07	KX-T4200	RBP07	KX-TG2207	RBP84	KX-TG5822	RBP78
KX-T3720	RBP81	KX-T4200	RBP81	KX-TG2215	RBP84	KX-TG5831	RBP78
KX-T3721BX	RBP81	KX-T4200R	RBP22	KX-TG2215B	RBP98	KX-TG5832	RBP78
KX-T3725	RBP07	KX-T4300	RBP07	KX-TG2217	RBP84	KX-TG5838	RBP78
KX-T3725	RBP81	KX-T4300	RBP81	KX-TG2217S	RBP98	KX-TG5839	RBP78
KX-T3730	RBP07	KX-T4301BX	RBP07	KX-TG2222	RBP84	KX-TG5861M	RBP78
KX-T3730	RBP81	KX-T4301BX	RBP81	KX-TG2227	RBP84	KX-TG5871M	RBP78
KX-T3731BX	RBP81	KX-T4316AL	RBP07	KX-TG2227S	RBP98	KX-TG5961AL	RBP79
KX-T3800	RBP07	KX-T4316AL	RBP81	KX-TG2237	RBP84	KX-TG6021	RBP98
KX-T3800	RBP81	KX-T4317AL	RBP07	KX-TG2237S	RBP98	KX-TG6022	RBP98
KX-T3805	RBP07	KX-T4317AL	RBP81	KX-TG2239	RBP84	KX-TG6023	RBP98
KX-T3805	RBP81	KX-T4330	RBP07	KX-TG2239S	RBP98	KX-TG6025	RBP98
KX-T3806	RBP11	KX-T4330	RBP81	KX-TG2247	RBP84	KX-TG6026	RBP98
KX-T3807	RBP07	KX-T4340MX	RBP07	KX-TG2247S	RBP98	KX-TG6031	RBP98
KX-T3807	RBP81	KX-T4340MX	RBP81	KX-TG2257	RBP84	KX-TG6032	RBP98
KX-T3815	RBP11	KX-T4350	RBP07	KX-TG2257S	RBP98	KX-TG6033	RBP98
KX-T3818B	RBP11	KX-T4360	RBP07	KX-TG2267	RBP84	KX-TG6034	RBP98
KX-T3822	RBP07	KX-T4360	RBP81	KX-TG2267	RBP98	KX-TG6051	RBP98
KX-T3822	RBP81	KX-T4370	RBP07	KX-TG2287	RBP84	KX-TG6052	RBP98
KX-T3822R	RBP22	KX-T4370	RBP81	KX-TG2302B	RBP78	KX-TG6053	RBP98
KX-T3823	RBP07	KX-T4400	RBP81	KX-TG2312W	RBP78	KX-TG6054	RBP98
KX-T3823	RBP81	KX-T4600	RBP07	KX-TG2313W	RBP78	KX-TG6071	RBP98
KX-T3824	RBP07	KX-T4600	RBP81	KX-TG2314W	RBP78	KX-TG6072	RBP98
KX-T3824	RBP81	KX-TC1000	RBP57	KX-TG2322B	RBP78	KX-TG6073	RBP98
KX-T3825	RBP11	KX-TC1001	RBP57	KX-TG2322S	RBP78	KX-TG6074	RBP98
KX-T3826	RBP11	KX-TC1005	RBP07	KX-TG2336S	RBP78	KX-TG6075	RBP98
KX-T3832	RBP07	KX-TC1005	RBP57	KX-TG2343W	RBP78	KX-TGA200	RBP72
KX-T3832	RBP81	KX-TC1005AL	RBP57	KX-TG2344B	RBP78	KX-TGA230	RBP99
KX-T3835	RBP11	KX-TC1006	RBP81	KX-TG2346S	RBP78	KX-TGA241	RBP79
KX-T3836	RBP11	KX-TC1010	RBP57	KX-TG2352W	RBP99	KX-TGA242	RBP79
KX-T3842	RBP11	KX-TC1025	RBP57	KX-TG2355S	RBP78	KX-TGA243	RBP79
KX-T3845	RBP11	KX-TC1026	RBP57	KX-TG2356S	RBP78	KX-TGA246	RBP79
KX-T3848	RBP07	KX-TC1040	RBP57	KX-TG2357B	RBP78	KX-TGA270S	RBP84
KX-T3848	RBP81	KX-TC1045	RBP57	KX-TG2382	RBP99	KX-TGA270S	RBP98
KX-T3850	RBP07	KX-TC1045ALW	RBP57	KX-TG2383	RBP99	KX-TGA271	RBP99
KX-T3850	RBP81	KX-TC1045ALW	RBP81	KX-TG2400	RBP51	KX-TGA300	RBP98
KX-T3851BX	RBP07	KX-TC1060ALW	RBP81	KX-TG2403	RBP59	KX-TGA301	RBP98
KX-T3851BX	RBP81	KX-TC1060ALW	RBP81	KX-TG2411	RBP79	KX-TGA351	RBP98
KX-T3855	RBP07	KX-TC1105	RBP81	KX-TG2420	RBP79	KX-TGA400	RBP72
KX-T3855	RBP81	KX-TC1105	RBP81	KX-TG2421	RBP79	KX-TGA510M	RBP84
KX-T3856	RBP20	KX-TC1120ALW	RBP66	KX-TG2422	RBP79	KX-TGA510M	RBP98
KX-T3860	RBP07	KX-TC1120ALW	RBP73	KX-TG2424	RBP79	KX-TGA520M	RBP78
KX-T3860	RBP81	KX-TC1170ALN	RBP07	KX-TG2431	RBP79	KX-TGA523M	RBP78
KX-T3861BX	RBP07	KX-TC1200	RBP07	KX-TG2432	RBP79	KX-TGA590AL	RBP79
KX-T3861BX	RBP81	KX-TC1210	RBP81	KX-TG2433S	RBP79	KX-TGA591AL	RBP79
KX-T3866TW	RBP07	KX-TC1210	RBP66	KX-TG2500	RBP51	KX-TGA600	RBP98
KX-T3866TW	RBP81	KX-TC1210	RBP73	KX-TG2501ALS	RBP59	KX-TGA601	RBP98
KX-T3870	RBP07	KX-TC1220	RBP66	KX-TG2503AL	RBP59	KX-TGA670	RBP79
KX-T3870	RBP81	KX-TC1220	RBP73	KX-TG2550	RBP51	KX-TGC2000	RBP72
KX-T3875	RBP07	KX-TC1221	RBP66	KX-TG2551ALS	RBP59	KX-TGC400	RBP72
KX-T3875	RBP81	KX-TC1221	RBP73	KX-TG2553	RBP59	KX-TGM240B	RBP44
KX-T3880	RBP11	KX-TC1222	RBP66	KX-TG2563	RBP59	KX-TX1005AL	RBP07
KX-T3900	RBP11	KX-TC1222	RBP73	KX-TG2570	RBP51	KX-TX1005AL	RBP81
KX-T3908	RBP22	KX-TC1223	RBP66	KX-TG2581ALS	RBP59	KX-TGA351	RBP98
KX-T3910	RBP07	KX-TC1225	RBP66	KX-TG2583	RBP59	KX-TGA400	RBP72
KX-T3910	RBP81	KX-TC1225	RBP73	KX-TG2593	RBP59	KX-TGA510M	RBP84
KX-T3911BX	RBP07	KX-TC1226	RBP66	KX-TG2620	RBP79	KX-TGA510M	RBP98
KX-T3911BX	RBP81	KX-TC1226	RBP73	KX-TG2621	RBP79	KX-TGA520M	RBP78
KX-T3920	RBP07	KX-TC1227	RBP66	KX-TG2622	RBP79	KX-TGA523M	RBP78
KX-T3920	RBP81	KX-TC1227	RBP73	KX-TG2631	RBP79	KX-TGA590AL	RBP79
KX-T3921BX	RBP07	KX-TC1230	RBP66	KX-TG2632	RBP79	KX-TGA591AL	RBP79
KX-T3921BX	RBP81	KX-TC1230	RBP73	KX-TG2650	RBP60	KX-TGA600	RBP98
KX-T3930	RBP07	KX-TC1231	RBP66	KX-TG2670	RBP60	KX-TGA601	RBP98
KX-T3930	RBP81	KX-TC1231	RBP73	KX-TG2680	RBP60	KX-TGA670	RBP79
KX-T3931BX	RBP07	KX-TC1232	RBP66	KX-TG2690	RBP60	KX-TGC2000	RBP72
KX-T3931BX	RBP81	KX-TC1232	RBP73	KX-TG2700	RBP84	KX-TGC400	RBP72
KX-T3932	RBP07	KX-TC1238	RBP66	KX-TG2700S	RBP98	KX-TGM240B	RBP44
KX-T3932	RBP81	KX-TC1238	RBP73	KX-TG2720S	RBP84	KX-TX1005AL	RBP07
				KX-TG2720S	RBP98	KX-TX1005AL	RBP81





# Power & Lighting

## PLUGS

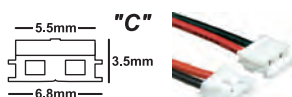
### PLUG A



### PLUG B



### PLUG C



### PLUG D



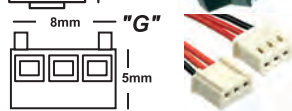
### PLUG E



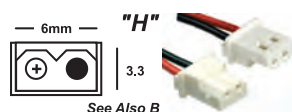
### PLUG F



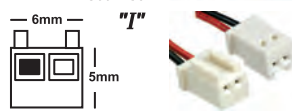
### PLUG G



### PLUG H



### PLUG I



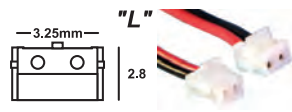
### PLUG J



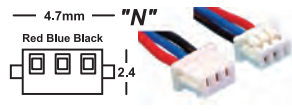
### PLUG K



### PLUG L



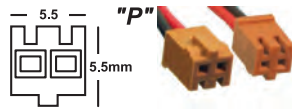
### PLUG N



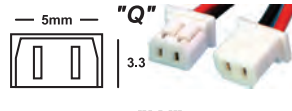
### PLUG O



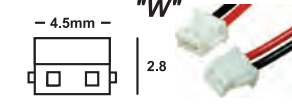
### PLUG P



### PLUG Q



### PLUG W



## CORDLESS PHONE

### PLUG "T"

These batteries are indicated as "Tagged" (Wires) or "Terminals".



## UNIDEN EX

Volts 3.6V  
Type NiMH  
Plug A  
Size 52x11x47mm  
Code RBP01



## DSE TELSTRA

Volts 3.6V  
Type NiCd  
Plug C  
Size 15x32x43mm  
Code RBP02



## DSE

Volts 3.6V  
Type NiMH  
Size 52x11x47mm  
Plug D  
Code RBP04



## SONY UNIDEN

Volts 3.6V  
Type NiMH  
Plug A  
Size 26x27mm  
Code RBP05



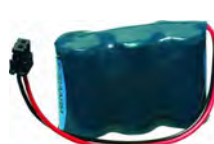
## PANASONIC NiCD

Volts 4.8V  
Type NiCd  
Plug B  
Size 15x32x57mm  
Code RBP06



## PANASONIC UNIDEN

Volts 3.6V  
Type NiCd  
Plug A  
Size 15x30x43mm  
Code RBP07



## GOLDSTAR SHIMASU

Volts 3.6V  
Type NiMH  
Plug B  
Size 26x15x50mm  
Code RBP09



## TELSTRA SANYO

Volts 3.6V  
Type NiCd  
Plug B  
Size 15x32x43mm  
Code RBP10



## VOCA

Volts 3.6V  
Type NiCd  
Plug B  
Size 29x32x29mm  
Code RBP12



## TANDY

Volts 4.8V  
Type NiMH  
Plug E  
Size 51x17x26mm  
Code RBP15



## PANASONIC

Volts 3.6V  
Type NiCd  
Plug T  
Size 15x54mm  
Code RBP16



## VOCA

Volts 4.8V  
Type NiCd  
Plug T  
Size 14x50x57mm  
Code RBP19



## DSE SONY

Volts 3.6V  
Type NiCd  
Plug T  
Size 14x50x43mm  
Code RBP20



## SANYO

Volts 4.8V  
Type NiCd  
Plug T  
Size 12x31x48mm  
Code RBP21



## UNIDEN

Volts 4.8V  
Type NiMH  
Plug T  
Size 26x30mm  
Code RBP28







## KAMBROOK

Volts 3.6V  
Type NiMH  
Plug B  
Size 52x17x26mm  
Code RBP29



## UNIDEN

Volts 3.6V  
Type NiMH  
Plug C  
Size 18x26x26mm  
Code RBP40



## UNIDEN V-TECH

Volts 3.6V  
Type NiCd  
Plug T  
Size 15x54x42mm  
Code RBP49



## PANASONIC

Volts 3.6V  
Type NiCd  
Plug T  
Size 15x52mm  
Code RBP30



## DSE UNIDEN

Volts 3.6V  
Type NiCd  
Plug H  
Size 15x50x43mm  
Code RBP41



## TELSTRA

Volts 3.6V  
Type NiCd  
Plug D  
Size 15x30x43mm  
Code RBP50



## TT TECH

Volts 3.6V  
Type NiMH  
Plug B  
Size 51x7x26mm  
Code RBP31



## OMNI

Volts 3.6V  
Type NiMH  
Plug H  
Size 11x36x38mm  
Code RBP42



## PANASONIC

Volts 3.6V  
Type NiMH  
Plug A  
Size 15x44x44mm  
Code RBP51



## DSE TANDY

Volts 3.6V  
Type NiCd  
Plug G  
Size 15x30x43mm  
Code RBP32



## EAGLE

Volts 3.6V  
Type NiMH  
Plug "K"  
Size 30x23x10mm  
Code RBP43



## AUDIOLINE

Volts 3.6V  
Type NiMH  
Plug D  
Size 15x29x44mm  
Code RBP52



## AKAI AUDIOLINE

Volts 3.6V  
Type NiCd  
Plug H  
Size 15x32x43mm  
Code RBP33



## PANASONIC

Volts 3.6V  
Type NiMH  
Plug A  
Size 15x50x43mm  
Code RBP44



## AUDIOLINE

Volts 3.6V  
Type NiMH  
Plug B  
Size 15x29x44mm  
Code RBP53



## AUDIOVOX

Volts 4.8V  
Type NiCd  
Plug C  
Size 15x50x43mm  
Code RBP35



## AUDIOLINE UNIDEN

Volts 3.6V  
Type NiMH  
Plug J  
Size 11x45x32mm  
Code RBP45



## ALCATEL ERICSSON

Volts 3.6V  
Type NiMH  
Plug D  
Size 11x45x32mm  
Code RBP54



## TELSTRA

Volts 3.6V  
Type NiCd  
Plug B  
Size 15x50x60mm  
Code RBP36



## OMNI

Volts 3.6V  
Type NiMH  
Plug B  
Size 11x45x32mm  
Code RBP47



## TELSTRA

Volts 3.6V  
Type NiMH  
Plug C  
Size 15x29x44mm  
Code RBP56



## PANASONIC TELSTRA

Volts 3.6V  
Type NiCd  
Plug I  
Size 15x32x43mm  
Code RBP39



## UNIDEN

Volts 3.6V  
Type NiCd  
Plug T  
Size 16x56x43mm  
Code RBP48



## PANASONIC

Volts 2.4V  
Type NiCd  
Plug A  
Size 15x30x30mm  
Code RBP57







# Power & Lighting

## EAGLE

Volts 3.6V  
Type NiCd  
Plug K  
Size 15x30x43mm  
Code RBP58



## PANASONIC SONY

Volts 3.6V  
Type NiCd  
Plug A  
Size 15x50x43mm  
Code RBP59



## PANASONIC

Volts 2.4V  
Type NiMH  
Plug L  
Size 15x50x29mm  
Code RBP60



## DSE AUDIOLINE

Volts 2.4V  
Type NiMH  
Plug L  
Size 11x44x21mm  
Code RBP61



## OMNI

Volts 3.6V  
Type NiMH  
Plug B  
Size 11x31x32mm  
Code RBP62



## TELSTRA

Volts 3.6V  
Type NiCd  
Plug T (Not Supplied.)  
Size 15x49x42mm  
Code RBP63



## OMNI

Volts 3.6V  
Type NiMH  
Plug B  
Size 11x36x32mm  
Code RBP64



## KIRK

Volts 3.6V  
Type NiMH  
Plug N  
Size 11x44x32mm  
Code RBP65



## PANASONIC

Volts 3.6V  
Type NiCd  
Plug A  
Size 11x45x32mm  
Code RBP66



## LG

Volts 3.6V  
Type NiCd  
Plug P  
Size 15x49x42mm  
Code RBP68



## AUDIOLINE

Volts 3.6V  
Type NiMH  
Plug C  
Size 11x45x32mm  
Code RBP69



## TELSTRA

Volts 2.4V  
Type NiMH  
Plug C  
Size 15x50x29mm  
Code RBP70



## UNIDEN

Volts 3.6V  
Type NiMH  
Plug B  
Size 15x50x44mm  
Code RBP71



## UNIDEN

Volts 2.4V  
Type NiCd  
Plug A  
Size 15x50x29mm  
Code RBP72



## UNIDEN

Volts 3.6V  
Type NiMH  
Plug A  
Size 11x50x32mm  
Code RBP73



## SHARP

Volts 3.6V  
Type NiMH  
Plug H  
Size 11x50x32mm  
Code RBP74



## DORO

Volts 2.4V  
Type NiMH  
Plug K  
Size 11x30x21mm  
Code RBP75



## DORO

Volts 3.6V  
Type NiMH  
Plug Q  
Size 11x30x33mm  
Code RBP76



## LG

Volts 3.6V  
Type NiMH  
Size 11x45x32mm  
Code RBP77



## PANASONIC

Volts 3.6V  
Type NiMH  
Plug T  
Code RBP78



## PANASONIC

Volts 2.4V  
Power 910mAh  
Type NiMH  
Plug T  
Code RBP79



## UNIDEN DSE

### PANASONIC etc.

Type NiMH  
Volts 3.6V  
Size 15x30x43  
Plug A  
Code RBP81



## BINATONE

Volts 3.6V  
Type NiMH  
Power 350mAh  
Size 11x30x33  
Plug K  
Code RBP82



## VTECH

Volts 3.6V  
Type NiCd  
Power 600mAh  
Size 15x51x45  
Plug C  
Code RBP83







## PANASONIC

Volts	3.6V
Type	NiMH
Power	700mAh
Size	15x51x45mm
Plug	T
Code	RBP84



## AASTRA

Volts	3.6V
Type	NiMH
Plug	O
Code	RBP93



## TELSTRA

Volts	2.4V
Type	NiMH
Plug	C
Size	17x8.5x53mm
Code	RBP103



## SIEMENS

Volts	2.4V
Power	860mAh
Type	NiMH
Size	6x34x48mm
Code	RBP85



## BANG & OLUFSEN

Volts	2.4V
Type	NiMH
Plug	U
Size	45x21x11mm
Code	RBP95



## TELSTRA

Volts	3.7V
Type	Lilon
Plug	L
Size	30x49x4.5mm
Code	RBP104



## BEOCOM

Volts	3.6V
Type	NiMH
Power	720mAh
Size	10x32x45mm
Plug	CE022
Code	RBP86



## TELSTRA, UNIDEN, V-TECH

Volts	2.4V
Type	NiMH
Plug	C
Size	45x21x11mm
Code	RBP96



## BROTHER

Volts	3.6V
Type	NiMH
Plug	K
Size	32x10.5x45mm
Code	RBP105



## SONY

### GP55AAAH3BMX

Volts	3.6V
Type	NiMH
Size	32x45x10mm
Plug	H
Code	RBP87



## UNIDEN

Volts	2.4V
Type	NiMH
Plug	A
Size	11x45x21mm
Code	RBP97



## ALCATEL

Volts	3.7V
Type	Lilon
Plug	Tag
Size	38x10x50mm
Code	RBP106



## UNIDEN

Volts	3.6V
Type	Lilon
Power	720mAh
Code	RBP88



## PANASONIC

Volts	3.6V
Type	NiMH
Plug	T
Size	32x12x50mm
Code	RBP98



## SIEMENS

Volts	2.4V
Type	NiMH
Plug	D
Size	11x21x46mm
Code	RBP107



## UNIDEN

Volts	3.7V
Power	980mAh
Type	Lilon
Code	RBP89



## PANASONIC

Volts	3.6V
Type	NiMH
Plug	T
Size	32x46x12mm
Code	RBP99



## POLYCOM SPECTRALINK

Volts	3.6V
Type	NiMH
Plug	Tag
Size	45x16x58mm
Code	RBP108



## ERICSSON

Volts	3.7V
Power	1150mAh
Type	Lilon
Plug	L
Code	RBP91



## AUDIOLINE, TELSTRA

Volts	2.4V
Type	NiMH
Plug	L
Size	35x6x33mm
Code	RBP100



## POLYCOM SPECTRALINK

Volts	3.6V
Type	NiMH
Plug	Tags
Size	35x15x62mm
Code	RBP110



## AASTRA

Volts	2.4V
Type	NiMH
Plug	Tag
Code	RBP92



## BINATONE

Volts	3.6V
Type	NiCd
Plug	K
Size	45x11x32mm
Code	RBP101



## TELSTRA "AAA".

RAISED BUTTON  
\*Slightly longer

Volts	1.2V
Type	NiMH
Power	600mAh
Code	RBP602







# Power & Lighting

## Digital Still Camera Batteries

### DIGITAL STILL CAMERA

Note: Some cameras use batteries from the

#### VIDEO CAMERA BATTERIES RANGE

Also, some share with different brands...

Search online @  
www.wes.com.au



### BENQ

Suit	DCE43, DCE53	AVC249
Original Part No	02491-0015-00	
Volts	3.7V	
Power	650mAh	
Type	Lilon	
Size	31x7x44mm	
Code	RBC52	



### CANON BP511

EOS D10, D30, D60, Powershot G1, G2, G3, Powershot P90, PRO90IS

Original Part No	BP508, 511, 512
Volts	7.4V
Power	1400mAh
Type	Lilon
Size	36x21x55mm
Code	RBV53



### CANON LP-E5

EOS 450D, Kiss X2, EOS Rebel Xsi, etc.

Original Part No	LP-E5
Volts	7.4V
Power	800mAh
Type	Lilon
Size	36x15x53mm
Code	RBC97



### CANON LP-E6

Original Part No	LP-E6
Suit	EOS 5D, 7D, 60D
Type	Lilon
Volts	7.4V
Power	1.8Ah
Size	38x21x57mm
Code	RBC118



### CANON LP-E8

Original Part No	LP-E8
Suit	EOS-550D, 600, Kiss X4, Rebel T2i
Type	Lilon
Volts	7.4V
Power	1.2Ah
Size	37x15x55mm
Code	RBC99



### CANON LP-E10

Original Part No	LP-E10
Suit	EOS 1100D, Kiss X50, Rebel T3.
Type	Lilon
Volts	7.4V
Power	950mAh
Size	36x15x50mm
Code	RBC126



### CANON NB-2L

Suit	Elura, EOS, iVix, Legria, Optura, Powershot, Vixia,...
Type	Lilon
Volts	7.4V
Size	33x16x45mm
Power	750mAh
Original Part No	NB-2LH
Code	RBC110



### CANON NB-3L

Suit	IXUS II, Powershot SD100
Original Part No	NB-3L
Volts	3.7V
Power	790mAh
Type	Lilon
Size	32x9x45mm
Code	RBC36



### CANON NB-4L

IXUS 30, 40, 50, Powershot SD200, 300.

Original Part No	NB-4L
Volts	3.7V
Power	700mAh
Type	Lilon
Size	35x6x40mm
Code	RBC38



### CANON NB-5L

IXUS 800IS, 850IS, 920IS, IXY Digital 1000, 2000IS, Powershot SD700IS, SD990IS

Original Part No	NB-5L
Volts	3.7V
Power	1120mAh
Type	Lilon
Size	32x8x45mm
Code	RBC67



### CANON NB-6L

IXY Digital 25IS 85IS, IXUS 85IS SD770IS

Original Part No	NB-6L
Volts	3.7V
Power	1000mAh
Type	Lilon
Size	42x34x7mm
Code	RBC81



### CANON NB-7L

Original Part No	NB-7L
Suit	Powershot G10, G11, G12, SX30
Type	Lilon
Video	7.4V
Power	1Ah
Size	32x18x46mm
Code	RBC96



### CANON NB8L

Original Part No	NB-8L
Suit	Powershot A2200, A3000, A3100
Type	Lilon
Volts	3.7V
Power	740mAh
Size	36x6x41mm
Code	RBC108



### CANON NB9L

Original Part No	NB-9L
Suit	IXUS 1000HS, IXY, SD4500
Type	Lilon
Volts	3.7V
Power	700mAh
Size	15x15x44mm
Code	RBC104



### CANON NB-10L

Original Part No	NB10L
Suit	Powershot SX40 HS
Type	Lilon
Volts	7.4V
Power	800mAh
Size	32x15x46mm
Code	DCB-NB10L



### CANON NP-E3

Suit	EOS-1D
Original Part No	NP-E3, 7084A002
Volts	12V
Power	1650mAh
Type	NiMH
Size	56x28x112mm
Code	RBC53



### CASIO Li-40B

Suit	Coolpix S200, S210 S500 S510 S520, S60 S600 S700, etc.
Original Part No	LI-40B
Volts	3.7V
Power	660mAh
Size	31x6x39mm
Type	Lilon
Code	RBC66



### CASIO NP-20

Suit	EX-M1, M2, EX-S1, S2, S3, EX-Z3, Z4,...
Original Part No	NP-20
Volts	3.7V
Power	630mAh
Type	Lilon
Size	33x4x51mm
Code	RBC44



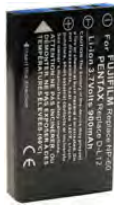




## CASIO NP-30

Suit	EXILIM EX-Z3, QV-R3, R4
Original Part No	NP-30, NP-60
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	35x7x53mm
Code	RBC49

AVP79



## FUJIFILM NP-120

Suit	Finepix 603
Original Part No	NP-120
Volts	3.7V
Power	1800mAh
Type	Lilon
Size	35x11x53mm
Code	RBC43



## KODAK KLIC-7003

Suit	Easyshare V803, V1003
Original Part No	KLIC-7003
Volts	3.7V
Power	1050mAh
Type	Lilon
Size	31x8x44mm
Code	RBC79

AVP773



## CASIO NP-40

Suit	EX-P600, EX-Z30, Z40
Original Part No	NP-40DBA
Volts	3.7V
Power	1230mAh
Type	Lilon
Size	38x38x9mm
Code	RBC57



## KODAK KAA2HR

Suit	CX & DX Series
Original Part No	KAA2HR
Volts	2.4V
Power	1800mAh
Type	NiMH
Size	30x16x50mm
Code	RBC26



## KODAK KLIC-7004

Suit	EasyShare M1033, V1073, V1233
Original Part No	KLIC-7004
Volts	3.7V
Power	1000mAh
Type	Lilon
Size	35x7x40mm
Code	RBC90

AVP368



## FUJIFILM NP-40

Suit	Finepix 402, F610, F710, F810
Original Part No	NP-40
Volts	3.7V
Power	710mAh
Type	Lilon
Size	36x6x40mm
Code	RBC47

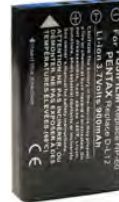
AVP40



## KODAK KLIC-5000

Suit	DX6490, 7440, DX7590, 7630
Original Part No	KLIC-5000, 8499741
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	35x7x53mm
Code	RBC49

AVP60



## KODAK KLIC-7006

Suit	Easyshare M373, M883 Zoom
Original Part No	KLIC-7006
Volts	3.7V
Power	660mAh
Type	Lilon
Size	31x6x39mm
Code	RBC66

AVP140



## FUJIFILM NP-45

Suit	Finepix J10, J12, J15, J110W, J150W, Z10FD, Z200FD
Original Part No	NP-45
Volts	3.7V
Power	660mAh
Type	Lilon
Size	31x6x39mm
Code	RBC66

AVP140



## KODAK KLIC-5001

Suit	DX6490, 7440, DX7590, 7630
Original Part No	KLIC-5001, 8499741
Volts	3.7V
Power	1700mAh
Type	Lilon
Size	35x11x53mm
Code	RBC27



## KONICA MINOLTA NP-200

Suit	DiIMAGE Xg
Original Part No	NP-200
Volts	3.7V
Power	750mAh
Type	Lilon
Size	31x6x52mm
Code	RBC45



## FUJIFILM NP-50

Suit	Finepix F50FD, Finepix F100FD
Original Part No	NP-50
Volts	3.7V
Power	1000mAh
Type	Lilon
Size	35x7x40mm
Code	RBC90

AVP368



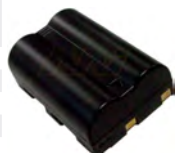
## KODAK KLIC-7001

Original Part No	KLIC-7001
Suit	Easyshare M, V
Type	Lilon
Volts	3.7V
Power	720mAh
Size	35x6x40mm
Code	RBC64



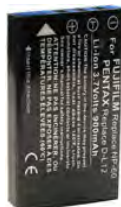
## KONICA MINOLTA NP-400

Suit	DiIMAGE A2
Original Part No	NP-400
Volts	7.4V
Power	1500mAh
Type	Lilon
Size	40x21x56mm
Code	RBC48



## FUJIFILM NP-60

Suit	Finepix 401i, F401, F410, F440, F601, F700, M603
Original Part No	NP-60
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	35x7x53mm
Code	RBC49



## KODAK KLIC-7002

Suit	Easyshare V530, etc.
Original Part No	KLIC-7002
Volts	3.7V
Power	600mAh
Type	Lilon
Size	37x7x27mm
Code	RBC65

AVP772



## KONICA MINOLTA NP-900

Suit	DiIMAGE E40, DiIMAGE E50
Original Part No	NP-900
Volts	3.7V
Power	650mAh
Type	Lilon
Size	31x7x44mm
Code	RBC52







# Power & Lighting

## DIGITAL STILL

### CAMERA

Continued...



## NIKON EN-EL12

Suit	Coolpix S610, S610C, S710
Original Part No	EN-EL12
Volts	3.7V
Power	1050mAh
Type	Lilon
Size	32x8x44mm
Code	RBC77



## OLYMPUS Li-20B

Suit	AZ Series
Original Part No	Li-20B
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	35x7x53mm
Code	RBC49



## NIKON ENEL3E

Original Part No	EN-EL3e
Suit	D50, D70, D100, D300s, DSLR-D700
Type	Lilon
Volts	7.4V
Power	1.26Ah
Size	40x21x56mm
Code	RBC63



## NIKON ENEL14

Original Part No	EN-EL14
Suit	P7000, DSLR D3100
Type	Lilon
Volts	7.4V
Power	900mAh
Size	38x14x53mm
Code	RBC109



## OLYMPUS Li-40B

Suit	Camedia Zoom i850 i840 i795 i1060 i1200, Stylus 740, Tough 770SW, D630 FE150 IR300 X785, etc.
Volts	3.7V
Power	660mAh
Type	Lilon
Size	31x6x39mm
Code	RBC66



## NIKON EN-EL4

### EXTENDED RANGE

Suit	D2, D2H, D2Xs, D3, D300, F6 SLR
Original Part No	EN-EL4a
Volts	11.1V
Power	2600mAh
Type	Lilon
Size	56x27x82mm
Code	RBC78



## NIKON ENEL19

Original Part No	EN-EL19
Suit	Coolpix S2500, S3100, S4100
Type	Lilon
Volts	3.7V
Power	700mAh
Size	31x6x40mm
Code	RBC123



## OLYMPUS Li-70B

Original Part No	Li-70B
Suit	FE-4020, VG-110, X-940
Type	Lilon
Volts	3.7V
Power	600mAh
Size	32x5x40mm
Code	RBC122



## NIKON EN-EL5

Suit	Coolpix 3700, 4200, 5200.
Original Part No	EN-EL5
Volts	3.7V
Power	1000mAh
Type	Lilon
Size	35x7x53mm
Code	RBC23



## OLYMPUS BLM-1

Suit	C-5060, E-1
Original Part No	BLM-1
Volts	7.2V
Power	1500mAh
Type	Lilon
Size	40x21x56mm
Code	RBC04



## OLYMPUS PENTAX RICOH Li50B

Suit	Olympus, Pentax, Panasonic, Ricoh
Original Part No	Li-50B, Panasonic VW-VBX090GK, VW-VBX090-W, VW-VBX090
Type	Lilon
Volts	3.7V
Power	925mAh
Size	37.9x6.6x39.7mm
Code	RBC116



## NIKON ENEL9

Original Part No	EN-EL9
Suit	D40, D60, D3000, D6000
Type	Lilon
Volts	7.4V
Power	1.1Ah
Size	36x14x56mm
Code	RBC114



## OLYMPUS BLS-1

Suit	E-400, E-410
Original Part No	BLS-1
Volts	7.2V
Power	1150mAh
Type	Lilon
Size	36x13x55mm
Code	RBC76



AVP106

## PANASONIC CGR-S001

Suit	DMC-F1, etc. DMC-FX1, FX5.
Original Part No	BP-DC2, CGR-S001, DMW-BCA7
Volts	3.6V
Power	680mAh
Type	Lilon
Size	36x6x44mm
Code	RBC07



## NIKON EN-EL11

Original Part No	EN-EL11, DB-80, Li-60B, DB-80, D-Li78
Suit	Nikon, Olympus, Pentax, Ricoh, Sanyo.
Type	Lilon
Volts	3.7V
Power	680mAh
Size	27x7.3x38mm
Code	RBC115



## OLYMPUS Li-12B

Suit	Camedia Series, MJU Series, Stylus 300, 400
Original Part No	Li-10B, 12B
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	32x10x46mm
Code	RBC14



## PANASONIC CGA-S002

Suit	DMC-FZ Series
Original Part No	CGA-S002, CGR-S002, DMW-BM7
Volts	7.2V
Power	680mAh
Type	Lilon
Size	36x13x45mm
Code	RBC08







## PANASONIC CGA-S005

Suit	DMC-FX8, DMC-LX1, LX9
Original Part No	CGA-S005, DMW-BCC12
Volts	3.7V
Power	1150mAh
Type	Lilon
Size	36x10x40mm
Code	RBC59

AVP407



## PANASONIC DMW-BCH7

Original Part No	DMW-BCH7
Suit	DMC-FP1, FP2, FP3, FT10, TS10.
Type	Lilon
Volts	3.7V
Power	690mAh
Size	36x5.6x47mm
Code	RBC132



## PENTAX D-Li8

Suit	Optio S Series, Optio X Series
Original Part No	D-Li8
Volts	3.7V
Power	710mAh
Type	Lilon
Size	36x6x40mm
Code	RBC47

AVP41



## PANASONIC CGR-S006

Suit	DMC-FZ7, FZ8, DMC-FZ18, 30, 50
Original Part No	CGA-S006, DMW-BMA7
Volts	7.2V
Power	710mAh
Type	Lilon
Size	36x19x44mm
Code	RBC61



## PANASONIC DMW-BCK7

Original Part No	ACD-341, DMW-BCK7, NCA-YN101,...
Suit	DMC-FH, FP, FS, FX, S1, SZ,...
Type	Lilon
Volts	3.7V
Power	700mAh
Size	36x5.4x41mm
Code	RBC127



## PENTAX D-Li63

Suit	Optio L36, L40 M30
Original Part No	T30 V10 W30 D-Li63
Volts	3.7V
Power	660mAh
Type	Lilon
Size	31x6x39mm
Code	RBC66

AVP140



## PANASONIC CGA-S007

Suit	DMC-FZ1, 7, 10, DMC-TZ1, 2, 3, 4, 5.
Original Part No	CGA-S007, DMW-BCD10
Volts	3.7V
Power	1000mAh
Type	Lilon
Size	30x12x37mm
Code	RBC60

AVP171



## PANASONIC DMW-BCE10

Original Part No	CGA-S008, DMW-BCE10, VW-VBJ10
Suit	DMC-FS, FX, HM-TA1, SDR-S,...
Type	Lilon
Volts	3.7V
Power	1Ah
Size	37x7.4x40mm
Code	RBC113



## PENTAX D-Li68

Suit	Optio, A36 A40 S10 S12
Original Part No	D-Li68
Volts	3.7V
Power	1000mAh
Type	Lilon
Size	35x7x40mm
Code	RBC90

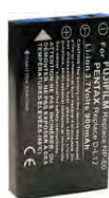
AVP368



## PANASONIC CGA-S301

Suit	SV-AV10, 20, 25, SV-AV30, 35, 100
Original Part No	CGA-S301, VW-VBA10
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	35x7x53mm
Code	RBC49

AVP60



## PENTAX PANASONIC VW-VBX070

Original Part No	VW-VBX070, D-Li88
Suit	HX-DC, HX-WA, Optio, DMX, VPC,...
Type	Lilon
Volts	3.7V
Power	700mAh
Size	31x6x40mm
Code	RBC95



## RICOH DB-40

Suit	Caplio G3, GX, Caplio RR10, RR30
Original Part No	DB-40
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	35x7x53mm
Code	RBC49

AVP60



## PANASONIC DMW-BCF10

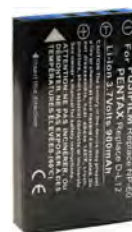
Original Part No	DMW-BCF10
Suit	DMC-F, FH, FP, FS, FT, FX, TS,...
Type	Lilon
Volts	3.6V
Power	770mAh
Size	37x7x41mm
Code	RBC102



## PENTAX D-Li2

Suit	DIGIMAX U-CA3
Original Part No	Optio 330, 430, 450, 550. D-Li2
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	35x7x53mm
Code	RBC49

AVP60



## RICOH DB-43

Suit	Caplio G3, GX, Caplio RR10, RR30
Original Part No	DB-43
Volts	3.7V
Power	1800mAh
Type	Lilon
Size	35x11x53mm
Code	RBC43



## PANASONIC DWM-BCG10

Original Part No	DMW-BCG10
Suit	DMC-TZ, ZR, ZS, ZX.
Type	Lilon
Volts	3.6V
Power	895mAh
Size	30x9.5x42mm
Code	RBC94



## PENTAX D-Li7

Suit	Optio 450, Optio 550
Original Part No	D-Li7
Volts	3.7V
Power	1800mAh
Type	Lilon
Size	35x11x53mm
Code	RBC43



## ROLLEI

Suit	Prego DP4200, Prego DP5200
Original Part No	02491-0015-00
Volts	3.7V
Power	650mAh
Type	Lilon
Size	31x7x44mm
Code	RBC52

AVP249



Note: Some cameras use batteries from the **VIDEO CAMERA BATTERIES RANGE**  
Also, some share with different brands... Search online @ [www.wes.com.au](http://www.wes.com.au)





# Power & Lighting

## DIGITAL STILL

**CAMERA**  
Continued...



### SANYO DB-L10

XACTI DSC-AZ3, MZ3, VPC-AZ3, MZ3, X350, VPC-J1, J2, J4,

Original DB-L10

Part No	
Volts	3.7V
Power	1100mAh
Type	Lilon
Size	32x10x46mm
Code	RBC14



### SAMSUNG BP70

Original	BP70A
Part No	
Suit	AQ100, ES, PL, SL, ST, TL, WP...
Type	Lilon
Volts	3.7V
Power	700mAh
Size	31x6x40mm
Code	DCB-BP70A



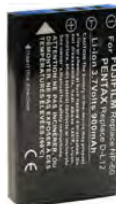
### SAMSUNG SLB-10A

Original	SLB-10A
Part No	
Suit	ES50, HMX-U10, HZ10W, IT100, L100, M100, NV9...
Type	Lilon
Power	1Ah
Size	32x7.3x44mm
Code	RBC120



### SAMSUNG SLB-1037

Suit	V600, V700, Digimax U-CA Series	AVP60
Original	SLB1037	
Part No		
Volts	3.7V	
Power	1100mAh	
Type	Lilon	
Size	35x7x53mm	
Code	RBC49	



### SAMSUNG SLB-0937

Original	SLB-0937
Part No	
Suit	CL5, i8, L730, NV33, PL10
Type	Lilon
Volts	3.7V
Power	900mAh
Size	36x9x41mm
Code	RBC119



## SONY NP-BN1

Original	NP-BN1
Part No	
Suit	DSC-T, TX, W, WX.
Type	Lilon
Volts	3.6V
Power	630mAh
Size	36x5x41mm
Code	RBC105



## SONY NP-BG1

Suit	Cybershot DSC-W100, DSC-N1, DSC-T20, DSC-H3	AVP181
Volts	3.6V	
Power	950mAh	
Code	RBC92	



## SONY NP-BK1

Original	NP-BK1, NP-FK1
Part No	
Suit	Bloggie, Webbie, DSC-S750, W180, etc.
Type	Lilon
Volts	3.6V
Power	750mAh
Size	34x7x40mm
Code	RBC103



## SONY NP-BX1

Original	NP-BX1	AVP887
Part No		
Suit	DSC-HX, RX, WX, HD-MV1, HDR-AS, GW	
Type	Lilon	
Volts	3.6V	
Power	1.08Ah	
Size	30x8.7x43mm	
Code	RBC140	



## SONY NP-FR1

Suit	DSC-F88, DSC-P100, P120, P150	AVP113
Original	NP-FR1	
Part No		
Volts	3.6V	
Power	1220mAh	
Type	Lilon	
Size	36x8x46mm	
Code	RBC55	



## SONY NP-BD1

Original	NP-BD1, NP-FD1	AVP113
Part No		
Suit	DSC-G3, T2, TX1, etc.	
Type	Lilon	
Volts	3.6V	
Power	750mAh	
Size	37x5.5x46mm	
Code	RBC80	



## SONY NP-F330, 550

Suit	DSC-D700, D770, MVC-CD200, MVC-FR, FRD	AVP550
Original	NPF330, 550	
Part No		
Volts	7.2V	
Power	2000mAh	
Type	Lilon	
Size	38x21x71mm	
Code	RBV550	



## SONY NP-FM30

Suit	DSC-F707, F717, P120, DSC-S30, S50, S70, S75, S85, MVC-CD250, CD300, CD400, CD500.NP-FM30, FM50, QM50, QM51	AVP550
Volts	7.2V	
Power	1100mAh	
Type	Lilon	
Size	38x20x56mm	
Code	RBV61	



## SONY NP-FW50

Original	NP-FW50	AVP655
Part No		
Suit	DSLR-A33, A55, NEX-3, 5, 7, C3, SLT-A33, 35, 55.	
Type	Lilon	
Volts	7.2V	
Power	860mAh	
Size	32x18.5x45mm	
Code	RBC106	



## SONY NP-FM500H

Suit	Infolithium M Series DSLR-A100, A200, A300, DSLR-A700, A900 Series.	AVP550
Volts	7.2V	
Power	1620mAh	
Type	Lilon	
Size	38x21x56mm	
Code	RBC85	



## SONY NP-FM55H

Suit	Sony Alpha Series	AVP550
Original	DSLR-A100	
Part No		
Volts	7.2V	
Power	1620mAh	
Type	Lilon	
Size	38x21x56mm	
Code	RBC86	



## SONY NP-FT1

Suit	DSC-T1, T11	AVP113
Original	NP-FT1	
Part No		
Volts	3.6V	
Power	710mAh	
Type	Lilon	
Size	36x6x46mm	
Code	RBC56	



Note: Some cameras use batteries from the VIDEO CAMERA BATTERIES. Also, some share with different brands. !





## Game Console Batteries

### REPLACEMENT TYPE

### SONY



#### GAMEBOY ADVANCE SP

Nintendo Replacement  
Lithium Ion Battery

OEM AGS003  
Volts 3.7V  
Power 800mAh  
Code RBG01



#### PSP SLIM/LITE

SONY REPLACEMENT  
Lithium Ion Battery Sony  
PSP-Slim & Lite

Volts 3.7V  
Power 1200mAh  
Code RBG08



#### PS3 CONTROLLER

SONY BATTERY  
Lithium Ion Battery  
Sony PlayStation III

Volts 3.6V  
Power 1200mAh  
Code PS3BAT



Controller Not Included

#### NINTENDO DSi

Volts 3.7V  
Power 550mAh  
Code RBG05



#### PSP

SONY REPLACEMENT  
Lithium Ion Battery 40g  
Sony PSP-1000 models

Type 36x13x57mm  
Volts 3.6V  
Power 2200mAh  
Code PSP110



#### PS3 MOTION CONTROLLER

Suit CECH-ZCM1E  
OEM LIS1441  
Volts 3.7V  
Power 1.35Ah  
Size 50x21mmØ  
Code RBG17



#### NINTENDO DSi XL

OEM UTL-003  
Volts 3.7V  
Power 900mAh  
Code RBG16



#### PSP SUPER-SIZED

Over sized battery  
with battery cover  
extender.

Power 3650mAh  
Volts 3.7V  
Size 36x24x56mm  
Code RBG07



#### PS3 NAVIGATION CONTROLLER

Suit CECH-ZCS1E  
OEM LIS1442  
Volts 3.7V  
Power 600mAh  
Size 44x17.5mmØ  
Code RBG18



#### NINTENDO 3DS CTR-001

OEM CTR-003  
Volts 3.7V  
Power 1.3Ah  
Size 38x6.3x53mm  
Code RBG19



#### X-BOX RECHARGEABLE

##### BATTERY PACK W/ CHARGER

Replaces standard AAs with a rechargeable  
pack. Includes a lead that with both charge and  
also allow use of the controller while powering.

Type NiMH  
Power 3600mAh  
Code RBG12

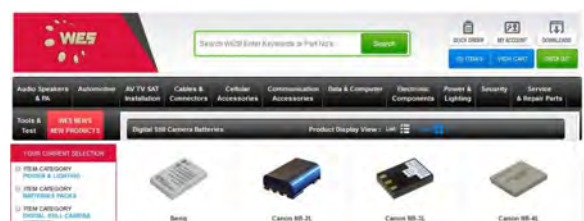


## Many More Batteries Available

### More Available - Please Enquire...

Too many models to list here!  
See our website for many more batteries  
or send us an email with your request and  
we can source any battery for you....

Some cameras use batteries from the  
**VIDEO CAMERA BATTERIES**  
Also, some share with different brands  
or are not listed here due to space  
so please contact us and we can help







# Power & Lighting

## □ iPod® & iPhone® Batteries

### iPod® 1st & 2nd Gen

iPod® UP325385A4H M8541 Lilon Polymer

OEM	UP325385A4H, UP325385A5H
Type	LiPoly
Size	85x55x3mm
Volts	3.7V
Power	2200mAh
Code	RBM01



iPod® NOT INCLUDED

### iPod® Nano 1st Gen

Lithium Ion Polymer

OEM	616-0223, 616-0224
Type	LiPoly
Size	23x4x39mm
Volts	3.7V
Power	300mAh
Code	RBM20



iPod® NOT INCLUDED

### iPod® 4th Gen

OEM	616-0183, 616-0198, 616-0215
Type	LiPoly
Size	4x37x50mm
Volts	3.7V
Power	750mAh
Code	RBM42



iPod® NOT INCLUDED

### iPod® Nano 2nd Gen

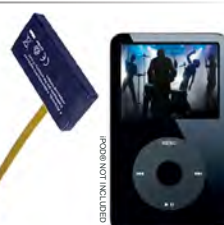
OEM	BAC0603R79921 PL-383455
Type	LiPoly
Size	33x2x57mm
Volts	3.7V
Power	550mAh
Code	RBM27



iPod® NOT INCLUDED

### iPod® 5th & 6th Gen

OEM	616-0029, 616-0230, EC008, EC008-2
Type	Lilon
Size	20x6x45mm
Volts	3.7V
Power	550mAh
Code	RBM21



iPod® NOT INCLUDED

### iPod® Nano 3rd Gen

OEM	616-0311, 616-0337
Type	LiPoly
Size	42x3x43mm
Volts	3.7V
Power	450mAh
Code	RBM23



iPod® NOT INCLUDED

### iPod® 5th & 6th Gen [60G+]

OEM	616-0232, E179009
Type	Lilon
Size	20x9x45mm
Volts	3.7V
Power	700mAh
Code	RBM22



iPod® NOT INCLUDED

### iPod® PHOTO

Photo 30/40/60GB

OEM	616-0183, 616-0198, 616-0206, ICP053450
Type	Lilon
Size	48x37x5mm
Volts	3.7V
Power	1000mAh
Code	RBM15



iPod® NOT INCLUDED

### iPod®-II 3G

M8948, M8976, M9244, M9245, M9460, Slim.

OEM	616-0159, E225846
Type	Lilon
Size	32x5x48mm
Volts	3.7V
Power	600mAh
Code	RBM13



iPod® NOT INCLUDED

### iPod® Touch

Lithium Ion Polymer 54x3x65mm to wire

OEM	616-0343
Type	LiPoly
Size	54x3x65mm
Volts	3.7V
Power	980mAh
Code	BAT5317



iPod® NOT INCLUDED

### iPod® Shuffle 2nd Gen

Lithium Ion Polymer 24x3x24mm to wire

OEM	616-0278
Type	LiPoly
Size	24x3x24mm
Volts	3.7V
Power	200mAh
Code	RBM26



iPod® NOT INCLUDED

### iPod® Touch 2nd 3rd Gen

OEM	616-0399, 616-0401, 616-0404, DAP284864PA, ITH205, P11G74-01-S01
Type	LiPoly
Size	45x3x65mm
Volts	3.7V
Power	800mAh
Code	BAT9026



### iPod® Mini

iPod-III® EC0003 EL003

OEM	EC003, EC007-5
Type	Lilon
Size	32x5x42mm
Volts	3.7V
Power	560mAh
Code	RBM02



iPod® NOT INCLUDED

### iPod® Touch 4th Gen

Original Part No	616-0550 616-0551 GB-S10-314363-0100
Type	LiPoly
Volts	3.7V
Power	930mAh
Size	42.3x3x61mm
Code	BAT9034







## iPhone® 3G

OEM	616-0372, 616-0428, HLP088-H1942
Type	Lilon
Size	41x4x69mm
Volts	3.7V
Power	1400mAh
Code	BAT9002



## iPhone® 5

Original Part No	Apple	616-0611, 616-0613, AAP353292PA
Type	Lilon Poly	Lilon Poly
Volts	3.7V	3.7V
Power	1.4Ah	1.4Ah
Size	31.5x4x90.5mm	31.5x4x90.5mm
Code	BAT9051	BAT9052



## iPhone® 3GS

OEM	616-0431, 32, 34, 35, GB-S10-374270-0100, GB-S10-374270-0200
Type	LiPoly
Volts	3.7V
Power	1.4Ah
Size	41x4x69mm
Code	BAT9005



## iPhone® 5C

Original Part No	616-0667, 616-0720, G69TA007H, PP11AT11S-1
Type	Lilon Poly
Volts	3.8V
Power	1560mAh
Size	33.3x3.8x91.6mm
Code	BAT9066



## iPhone® 4GB 8GB

OEM	616-0289, 616-0290, 616-0291, LIS1276APPC
Type	LiPoly
Size	5x42x50mm
Volts	3.7V
Power	1400mAh
Code	BAT5318



## iPhone® 5S

Original Part No	616-0652, 616-0720, 616-0728
Type	Lilon Poly
Volts	3.8V
Power	1560mAh
Size	33x4.0x91.5mm
Code	BAT9068



iPhone® Not Included

## iPhone® 4

OEM	616-0520, 616-0521
Type	LiPoly
Size	4x81x33mm
Volts	3.7V
Power	1420mAh
Code	BAT9022



## iPhone® 6

Original Part No	616-0805
Type	Lilon Poly
Volts	3.82V
Power	1810mAh
Size	37.5x3.1x95.6mm
Code	BAT9076



## iPhone® 4

Original Part No	616-0521 616-0520 616-0521 ANPB-09-011-01 GB-S10-423482-0100
Type	LiPoly
Volts	3.7V
Power	1.42Ah
Size	33x4x81mm
Code	BAT9021



## iPhone® 6S

Original Part No	616-0802
Type	Lilon Poly
Volts	3.82V
Power	2915mAh
Size	47x3.1x119mm
Code	BAT9078

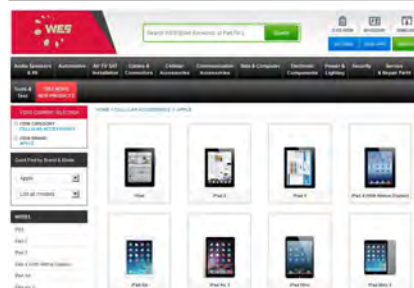


## iPhone® 4S

Original Part No	GB-S10-423282-0100 616-0579
Type	Lilon
Volts	3.7V
Power	1.45Ah
Size	31x4x82mm
Code	BAT9047



## More Phone & Tablet Batteries - See Our Website...



iPad® Batteries Also Available





# Power & Lighting

## Battery Banks

### **GALAXY® S4 BATTERY CASE**

#### **LEATHER CASE POWER BANK**

This elegant leather case and power bank combo is designed for style, mobility and light weight. Extend your mobile's standby time by up to 675 hours and talk time by up to 25 hours.

Capacity	3200mAh
HxWxDmm	147x73x17mm
Colour	Black White
Code	BAT6503BK BAT6503WH



Mobile phone not included.

### **IPHONE® 6 POWER CASE**

#### **BUMPER CASE DELUXE**

Adds only 7mm additional thickness  
Lithium Ion Polymer Battery. 85g.  
Charging interface is Lightning  
4x LED power level display.

Capacity	3200mAh	3200mAh
Colour	Black	White
Code	BAT9076-122	BAT9076-121



### **IPHONE® 5/5S POWER CASE**

#### **WITH BUMPER EDGE**

Leather clad case with battery bank.  
Lithium Ion Polymer Battery. 75g.  
Charging interface is Micro-USB.  
Stylish 4x LED power level display.

Capacity	2200mAh
Size	138x63x15mm
Colour	White
Code	BAT9068-121



### **IPHONE® 5/5S POWER BANK**

#### **DOUBLES THE PHONE CAPACITY**

Adds only 7mm additional thickness  
Lithium Ion Polymer Battery. 68g.  
Charging interface is Micro-USB.  
4x LED power level display.

Capacity	2200mAh	2200mAh
Colour	White	Black
Code	BAT9050-121	BAT9050-122



### **KEYRING 8GB MEMORY & POWER BANK**

Featuring emergency mobile charger for micro USB devices and 8GB memory storage.  
Battery Cell: Li-polymer; Battery Capacity: 800 mAh; Input: 5V 500mA Output: 5V 500mA Self-charging Time: 1.5hours

Code
APKRMU



### **5Ah POWER BANK USB**

#### **METAL SKIN COMPACT USB**

Compact portable device with Micro-USB and USB sockets for charging and output. Includes a 23cm USB to Micro-USB lead.

Output is 2.1A max. 158g.  
4x LED Capacity indicator.

Power	5000mAh
Size	125x69x10mm
Colour	White
Code	BAT9011



### **11Ah DUAL OUTPUT POWER BANK USB**

11Ah power bank with high quality Samsung Li-polymer battery cell. The power bank has 1x micro USB input and 2x USB outputs. Includes 1M charging lead with dual interface micro USB and Apple lightning connectors. Compatible with iPhone, iPad, smartphones, tablets and other mobile devices  
Input: 5Vdc 1A  
Output: 5Vdc 1A + 5Vdc 2.1A  
Fast charging, high efficiency

Capacity	11000mAh
Size	138x61x22mm
Weight	273g
Code	BAT9032



### **15Ah DUAL-USB SMART POWER BANK**

#### **HIGH CAPACITY POWER PACK WITH BUILT-IN LED LIGHTING**

Connectors for mobile phone: iPhone® 5 lightning connector, Apple® 30 pin connector, Micro USB adaptor, Mini USB adaptor, Motorola® V3 adaptor, Samsung® G600 adaptor, Sony® Ericsson® K750 adaptor, Nokia® N70 adaptor, LG® KG800 adaptor, PSP 3000 adaptor.

High capacity portable power bank  
Comes with 9 interchangeable tips for most common mobile devices  
Intelligent protection for short circuit and over charging  
Power saving functions.  
Built-in LED for emergency use

Capacity	15000mAh	15000mAh
Output	5V 2A max.	5V 2A max.
Weight	322g	322g
Dimensions	150x78x20mm	150x78x20mm
Colour	Black	White
Code	BAT9006B	BAT9006W







## MP3 & Media Players

### MEDIA PLAYER BATTERIES

Due to the quantity of batteries available and the number of models of units each will suit, Please visit the web for further information or give us a call !!!

**MORE AVAILABLE . . .**



### Creative® Micro & Sleek

Suit	DAP-HD0018 DAP-HD0019 DAP-MD004 DAP-MD007
Type	LiPoly
Volts	3.7V
Power	680mAh
Size	35x4x54mm
Code	RBM09



### LOGITECH®

OEM	MM50
Type	Lilon
Size	18x66mm
Volts	3.7V
Power	2150mAh
Code	RBM41



UNITS NOT INCLUDED

### Microsoft® Zune®

Original Part No	G71C0006Z110
Suit	1089, 1090, 1091, JS8
Type	Lilon
Volts	3.7V
Power	700mAh
Size	20x9x45mm
Code	RBM22



### Creative® Zen Micro

Original Part No	DAA-BA009
Type	Lilon
Volts	3.7V
Power	830mAh
Size	33x4.4x55mm
Code	RBM32



ZEN NOT INCLUDED

### Tivoli® PAL & iPAL®

OEM	MA-1, MA-2
Type	NiMH
Size	29x49x43mm
Volts	7.2V
Power	1600mAh
Code	RBM39



### Creative® Zen Neon 2

OEM	BAC0603R79921 PL-383455
Type	LiPoly
Volts	3.7V
Power	550mAh
Size	33x2x57mm
Code	RBM27



ZEN NOT INCLUDED

### Toshiba® Gigabeat®

OEM	P000468930
Type	Lilon
Size	34x5x52mm
Volts	3.7V
Power	1000mAh
Code	RBM43



UNITS NOT INCLUDED

### Creative® Zen Vision M

Original Part No	BA20603R79914
Suit	DVP-HD0003
Type	LiPoly
Volts	3.7V
Power	1.7Ah
Size	49x4.4x86mm
Code	RBM47



### Sandisk® Sansa

Original Part No	54-57-00046
Suit	e200, e250, e270, e280
Type	LiPoly
Volts	3.7V
Power	750mAh
Size	35x4.7x48mm
Code	RBM25



### Insignia® & iRiver®

Original Part No	JBP443448
Suit	NS-DV2G NS-DV4G
Type	Lilon
Volts	3.7V
Power	750mAh
Size	36x4.4x53mm
Code	RBM61



### MORE AVAILABLE

All models listed:  
[www.cellink.com.au](http://www.cellink.com.au)







# Power & Lighting

## GPS Batteries

### BATTERIES TO SUIT GPS

#### PORTABLE UNITS

Replacement batteries to suit Hand-helds & Automotive installs. Premium grade cells offering equivalent to better performance. [www.cellink.com.au](http://www.cellink.com.au)



### GARMIN® NUVI® 300

Nuvi 300, Nuvi 310, Nuvi 350, Nuvi 360, Nuvi 370

OEM	361-00019-02, IA2B309C4B32
Type	Lilon
Power	3.7V 1250mAh
Code	BAT5743



### GPS PORTABLE

Adapt Navitek Nemerix SiRF Purple Sumvision K2 GPSlim236 ezGPS Bluetooth BT77 GPS-6033 TrapScout Q818

OEM	HXE-W01, HDB N3650-SAN1100
Type	Lilon
Power	3.7V 1000mAh
Code	RBH116



### GARMIN® NUVI® 600

Nuvi 600, Nuvi 610, Nuvi 650, Nuvi 660, Nuvi 670, Nuvi 680

OEM	361-00019-02, D25292-0000
Type	Lilon
Power	3.7V 1500mAh
Code	BAT5745



### DELL® GLOBALSAT

BT-309, BT-300, BT-308

OEM	61318
Type	Lilon
Power	3.7V 1350mAh
Code	RBH126



### MAGELLAN® eXPLORIST®

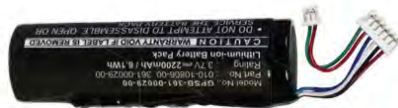
eXplorist 400, 500, 600, MAX 980780

OEM	280504525TSLG, 37-00025-001
Type	Lilon
Power	3.7V 1300mAh
Code	RBH120



### GARMIN® ASTRO® DC20

OEM	010-10806-00 361-00029-00
Suit	220 DC20 DC30
Volts	
Power	2.2Ah
Size	68x18mmØ
Code	BAT5749



### MITAC® MIO®

Mio C320, Mio C520, Mio C520t, Mio C700, Mio C720, Mio C800, Mio C810

OEM	338937010128, E4MT191323H12
Volts	3.7V
Power	1400mAh
Size	35x5.7x60mm
Code	BAT5719



### GARMIN® GPS MAP

OEM	BP004
Power	2200mAh
Volts	8.4V
Code	RBH119



### MITAC® MOOV®

Mio Moov 200, Mio Moov 210, Mio N370

OEM	338937010159, 780914QN
Type	Lilon
Power	3.7V 750mAh
Code	BAT5725



### GARMIN® NUVI® 200

Nuvi 200, Nuvi 205, Nuvi 250, Nuvi 252w, Nuvi 255, Nuvi 260, Nuvi 270, Nuvi 760

OEM	361-00019-11, 361-00019-12
Type	Li-Ion
Power	1250mAh
Code	BAT5742



### MITAC® NAVMAN®

Original Part No	T300-3 BP-N229-11
Suit	Mio Moov MY30 My50 S100
Type	Lilon
Volts	3.7V
Power	750mAh
Size	37x5.5x50mm
Code	RBH136







## MOLI® TRIMBLE®

29518, 38403, 52030, 54344, 5700, 5800, R7, R8, TSC1

OEM	1821, E, MCC1821, MCR1821, 46607
Type	Lilon
Power	7.4V 2600mAh
Code	RBH134



## NAVMAN® S

S150, S30, S35, S45, S50, S70, S80, S90, S90i

OEM	BP-LP850/11-A1L, T300-3
Type	Lilon
Power	3.7V 1250mAh
Code	BAT5721



## NAVMAN® F

F20, F30, F40, F50

OEM	BT000021C
Type	Lilon
Power	3.7V 850mAh
Code	BAT5724



## NAVMAN® iNC

iCN720, iCN750

OEM	PS-803262
Type	Lilon
Power	3.7V 1900mAh
Code	BAT5723



## TOMTOM® EASY START

OEM	AHL03706001, AHL03707002 VF9B
Suit	1EX00 4EX0.001.11
Volts	3.7V
Power	770mAh
Size	34x5.4x38mm
Code	RBH150



## TOMTOM® GO

Rider, 300, 400, 500, 510, 600, 710, 910, etc.

OEM	ICR18650-24, VF5
Type	Lilon
Power	3.7V 2300mAh
Code	BAT5739



## TOMTOM® GO

520, 530, 630, 720, 730, 740, 930, 940

OEM	1697461, AHL03714000, VF8
Type	Lilon
Power	3.7V 1300mAh
Code	BAT5735



## TOMTOM® GO

Go 920, XL 330, XL 340

OEM	AHL03713100
Type	Lilon
Power	3.7V 1300mAh
Code	BAT5740



## TOMTOM® ONE V1

Glasgow, ONE V1

OEM	F54629631
Type	Lilon
Power	3.7V 1350mAh
Code	BAT5736



## TOMTOM® V2

ONE V2, ONE V3, Rider 2nd edition

OEM	F650010252, F709070710, ICP653443
Type	Lilon
Power	3.7V 800mAh
Code	BAT5737



## TOMTOM® ONE V4

One V4, XL

OEM	FLB0813007089
Type	Lilon
Power	3.7V 1200mAh
Code	BAT5741



## TOMTOM® ONE V5

One 140 (4EK0.001.02), One IQ (4EK0.001.01), One V5 (4EK0.001.01)

OEM	6027A0089521, AHL03710503
Type	Lilon
Power	3.7V 900mAh
Code	RBH132



## TOMTOM® ONE V11

ONE XL

OEM	F724035958
Type	Lilon
Power	3.7V 800mAh
Code	BAT5738



## MORE AVAILABLE...

Search web site for your model...

[www.wes.com.au](http://www.wes.com.au)







# Power & Lighting

## Laptop Batteries

### LAPTOP BATTERIES

High Quality Replacement Batteries  
Suits Laptops and notebooks, etc.

**All batteries are equivalent or better than original spec.**

If you can not locate your battery  
Please contact us and we may find it.



#### ACER

Aspire 1410, 3000, 5000... Extensa 2300, 3001, 4104... TravelMate 2300, 5600... 3UR18650Y-2-GC236, etc.

Type	Lilon
Volts	14.8V
Power	4600mAh
Size	60x20x212mm
Code	RBL208



#### ACER

Extensa 5000, 7220 Series, etc.  
Travelmate 5220, 6410, 7220, etc.

Type	Lilon
Volts	14.8V
Power	5200mAh
Size	89x22x136mm
Code	RBL374



#### ACER

OEM	BT.00303 UM08A31
Volts	29x21x203mm
Power	2.3Ah
Size	29x21x203mm
Code	RBL468



#### ACER

Aspire, TravelMate, Gateway, Packard Bell Easy Note.

OEM	31CR19 AS10 BT.00603 ZQ3
Volts	11.1V
Power	4.4Ah
Size	53x20x271mm
Code	RBL514



#### APPLE® MAC

MacBook 13"  
A1185, MA561, etc.

Type	Lilon-Polymer
Volts	10.8V
Power	5400mAh
Size	77x15x211mm
Code	RBL388



#### ACER

Aspire One 532, AO532G

OEM	BT.00303.020 LC.BTP00.117 UM09C31
Volts	11.1V
Power	4.4Ah
Size	55x32x230mm
Code	RBL515



#### ASUS

G50, M50, N61, V50, X64, etc.

Type	Lilon
Volts	11.1V
Power	4.4Ah
Size	50x21x203mm
Code	RBL517



#### ACER

AcerNote 350, Extensa 650, etc.

Size	215x19x52mm
Volts	10.8V 11.1V
Type	NiMH Lilon
Power	4000mAh 4.5Ah
Code	RBL1S RBL001L



#### ASUS

F5 Series, X50 Series.  
90-NLF1B2000Y, A32-F5.

Type	Lilon
Volts	11.1V
Power	4600mAh
Size	70x20x148mm
Code	RBL409



#### ACER

Aspire 4310, 4530, 4730, 4930, 5330 Series, etc.  
eMachines, Gateway, eMD520, 720, etc.

Type	Lilon
Volts	11.1V
Power	5200mAh
Size	45x20x208mm
Code	RBL353



#### ASUS & MORE

ADVENT, BENQ, CLEVO, COMPAL, HASEE,  
GREATWALL, MAXDATA, MITAC, MSI

Type	Lilon
Volts	11.1V
Power	5200mAh
Size	54x20x205mm
Code	RBL337



#### ACER

Aspire 5230, 5330, 5710, 5910, 6920, 7230 Series,  
Extensa, TravelMate, Gateway, etc...

Type	Lilon
Volts	14.8V
Power	5200mAh
Size	68x20x205mm
Code	RBL356



#### ASUS

A40J, B53, F86, K42, N82, PRO67, X42, X8C, etc.

Volts	10.8V
Power	4.4Ah
Size	50x21x271mm
Code	RBL537







## COMPAQ, HP

Presario CQ40, 41, 45, 50, 60, 61, 70, 71Series, G50, 60, 61, Pavilion dv4, 5, 6 Series, G70, etc.

Type	Lilon
Volts	10.8V
Power	5200mAh
Size	50x21x205mm
Code	RBL408



## COMPAQ, HP

Presario CQ40, 41, 45, 50, 60, 61, 70, 71Series, G60, 61 70, 71. Pavilion dv4, 5, 6, etc.

Type	Lilon
Volts	10.8V
Power	9200mAh
Size	61x43x218mm
Code	RBL420



## COMPAQ HP

Presario CQ32, 42, 43, 56, 57, 62, etc. Pavilion DM4, DV7, G6, G7 and many more.

Volts	10.8V
Power	5.2Ah
Size	53x21x206mm
Code	RBL511



## COMPAQ, HP

4510, 4710, ProBook, 513130, HSTNN.

Volts	14.4V
Power	5.2Ah
Size	58x20x269mm
Code	RBL476



## COMPAQ, HP

Compaq Presario V3000 Series, Compaq Presario V6000 Series, Hewlett Packard DV2000 Series, Hewlett Packard DV6000 Series

Type	Lilon
Volts	10.8V
Power	5200mAh
Size	51x22x207mm
Code	RBL304



## COMPAQ, HP

Compaq Business Notebooks 6510, 6710, 6715, NC6105, NC6110, NC6115, NC6120, NC6200, NC6220, NC6230, NC6400, NX5100, NX6105, ...NX6325, etc.

Type	Lilon
Volts	10.8V
Power	5200mAh
Size	54x20x204mm
Code	RBL323



## COMPAQ, HP

Business Notebook 7400, 8200, 9400 Series, NC8230, NW8200, NX7300, NX8400, etc.

Type	Lilon
Volts	14.4V
Power	5200mAh
Size	53x20x265mm
Code	RBL324



## COMPAQ, HP

Presario A900, C700, F500, V3000, V6000 Series Pavilion dv2000, dv6000 Series, etc.

Type	Lilon
Volts	10.8V
Power	9200mAh
Size	59x42x207mm
Code	RBL378



## COMPAQ, HP

Presario C300, C500, M2000, V4000 Series, Pavilion G3000, DV1000, DV4000 Series, etc.

Type	Lilon
Volts	10.8V
Power	5200mAh
Size	51x21x205mm
Code	RBL423



## COMPAQ, HP

Pavilion DV7, DV8.

Type	Lilon
Volts	14.4V
Power	5.2Ah
Size	50x21x271mm
Code	RBL439



## COMPAQ, HP

HSTNN. 455771, 463310, etc.

OEM	178C NBPA174
Volts	10.8V
Power	5.2Ah
Size	53x20x204mm
Code	RBL426



## COMPAQ HP

OEM	586006 HSTNN-178C NBPA174
Volts	10.8V
Power	7.8Ah
Size	52x37x206mm
Code	RBL568



## COMPAQ, HP

Pavilion dv9000, 9100, 9200, 9500, 9600 Series, dv9700. [More HP... See Compaq]

Type	Lilon
Volts	14.4V
Power	5200mAh
Size	53x22x272mm
Code	RBL319







# Power & Lighting



## DELL

Inspiron XPS, JD648, KP423, Precision M2300, Latitude D620, D630, D631, etc.

Type	Lilon
Volts	11.1V
Power	5200mAh
Size	67x19x185mm
Code	RBL288



## DELL

Studio 15xx

OEM	312-0701KM958 KM965 MT264 WU946
Volts	11.1V
Power	5.6Ah
Size	48x21x207mm
Code	RBL414



## DELL

Volts	11.1V
Power	5.2Ah
Size	50x20x205mm
Code	RBL424



## DELL

Latitude D531, D820, D830, Precision M65, M4300.

Type	Lilon
Volts	11.1V
Power	7800mAh
Size	20x208mm
Code	RBL318



## DELL

Inspiron 13R, M501, N7110, Vostro 3750, etc.

OEM	04YRJH 07XFJJ J1KND
Volts	11.1V
Power	4.6Ah
Size	58x23x214mm
Code	RBL546



## DELL

Inspiron 1501, 6400, E1505, Vostro 1000, Latitude 131L, 131Q.

Type	Lilon
Volts	11.1V
Power	7800mAh
Size	73x20x209mm
Code	RBL352



## DELL

Latitude E6400, Precision M6400, etc.

Volts	11.1V
Power	5.2Ah
Size	47x21x206mm
Code	RBL496



## DELL

Inspiron 1520, 1521, 1720, 1721, Vostro 1500, 1700.

Type	Lilon
Volts	11.1V
Power	5200mAh
Size	48x20x210mm
Code	RBL363



## DELL

Inspiron 6000, 9200, 9300, E1705, M6300, XPS-II, M170, etc.

Type	Lilon
Volts	11.1V
Power	6900mAh
Size	72x20x209mm
Code	RBL220



## DELL

### HI CAPACITY VERSION

Inspiron 500M 510M 600M, Latitude D500 D505 D610, Precision M20

Type	Lilon
Volts	11.1V
Power	4600mAh
Size	77x20x127mm
Code	RBL167



## IBM

Thinkpad 14" IBM R60e, T60p, Lenovo R61e, R61i, T500, W500. 40Y6799, 92P1137, 92P1138, 92P1139, 92P1138, 92P1141.

Type	Lilon
Volts	10.8V
Power	5200mAh
Size	59x21x205mm
Code	RBL382



## IBM, LENOVO

Thinkpad R60, R61, R400, R500, T60, T61, T400, T600, Z60, Z61 Series, W500.

Type	Lilon
Volts	10.8V
Power	7800mAh
Size	80x21x205mm
Code	RBL281







## SAMSUNG

Q318, Q320, R470, R522, R580, R620.

OEM	AA-PB9NC6
Volts	11.1V
Power	4.4Ah
Size	50x20x204mm
Code	RBL421



## SONY

PCG-6C1N, VFB-S1-XP, VFN-S90PSY5 & Many more... VGN-C1, FB, FJ, FS, N, S, VGP-BPL2, BPS2, etc.

Type	Lilon
Volts	11.1V
Power	6900mAh
Size	71x18x207mm
Code	RBL187



## TOSHIBA

Satellite A350, L500, P300, etc.

OEM	PA3534U PBAS174
Volts	10.8V
Power	6.9Ah
Size	52x40x276mm
Code	RBL529



## TOSHIBA

Equium P200, P300. Satellite L350, X200, etc.

OEM	PA3536U PABAS100
Volts	10.8V
Power	6.9Ah
Size	74x21x208mm
Code	RBL360



## TOSHIBA

Satellite A80, M50, etc. With PA3451U  
PA3457U, PABAS067 Version Battery  
See also RBL242/269

Volts	14.4V
Power	5200mAh
Size	64x20x207mm
Code	RBL268



## TOSHIBA

Portege M200, Tecra M4, Satellite Pro  
6000, 6100, PA3128, PA3191, etc...

Type	Lilon
Volts	10.8V
Power	4600mAh
Size	126x20x70mm
Code	RBL094



## TOSHIBA

OEM	PA3728U PA3817U
Volts	10.8V
Power	9.2Ah
Size	50x41x234mm
Code	RBL512



## TOSHIBA

Qosmio E10, F10, G10, Satellite A10-S103, etc. A15,  
J50, L10. Tecra A1, PA3284U-1BAS, PABAS075

Type	Lilon
Volts	10.8V
Power	4600mAh
Size	72x20x130mm
Code	RBL168



## TOSHIBA

Dynabook Qosmio F20 Series, Satellite M10, MX,  
T10, T12, T20, TX, Portege M300, M500, S100  
Series... Terca A2, A3, A9, M2V, M9, S5, etc.

Type	Lilon
Volts	11.1V
Power	4600mAh
Size	41x21x207mm
Code	RBL169



## TOSHIBA

Dynabook, Equium, Satellite, Pro, etc. PA3399U, PA3400U,  
PA3478U, PABAS077, etc.

Type	Lilon
Volts	10.8V
Size	45x20x207mm
Power	4600mAh 5200mAh
Code	RBL242 RBL269



## TOSHIBA

Dynabook AX, TX, Satellite T30, T31,  
Equium A200, A300, L200 Series, etc.

Type	Lilon
Volts	10.8V
Power	4600mAh
Size	52x20x206mm
Code	RBL339



## TOSHIBA

Portege M800 Series, Equium U400,  
Satellite L310, M300, U400 Series

Type	Lilon
Volts	10.8V
Power	5200mAh
Size	50x20x205mm
Code	RBL395



## MORE AVAILABLE...

Too many models to list here! Search [www.wes.net.au](http://www.wes.net.au) for your model...







# Power & Lighting

## Two Way Radio Batteries

### HAND-HELD RADIO BATTERIES

#### SEE ALSO CROSS-REFERENCE FOR MORE...

Replacement type batteries to suit a majority of Australia's Two-Way radio hand-sets. All batteries are equivalent or better than original specifications. All use premium grade cells manufactured in Japan.



#### Audioline, Lexel, Oricom, Switel 4.8V

LH060-3A44C4BT

Type	NiMH
Volts	4.8V
Power	730mAh
Code	RBW140



#### Kenwood 7.2V

KNB14, KNB14A, KNB15A, KNB20N

Type	NiCd
Volts	7.2V
Power	1500mAh
Code	RBW78



#### GME 3.7V

Suits GME TX650

Type	Lilon
Volts	3.7V
Power	950mAh
Code	RBW149



#### Kenwood 7.2V

FTH1010, TK2140, TK2160, TK3140, TK3160.  
KNB24L, KNB25A, KNB26N.

Type	NiMH
Volts	7.2V
Power	2100mAh
Code	RBW152



#### Icom 9.6V

BP195, BP196, BP196MH

Type	NiMH
Volts	9.6V
Power	1650mAh
Code	RBW37



#### Kenwood 7.2V

KNB16A, KNB17A, KNB21N, KNB22N

Type	NiCd
Volts	7.2V
Power	1500mAh
Code	RBW80



#### Icom 7.2V

BP209, BP210

Type	NiMH
Volts	7.2V
Power	1650mAh
Code	RBW39



#### Kenwood 7.2V

KNB24L, KNB25A, KNB26N, KNB35L

Type	Lilon
Power	1950mAh
Volts	7.2V
Code	RBW132



#### Icom 7.2V

BP231, BP232

Type	Lilon
Volts	7.2V
Power	2150mAh
Code	RBW131



#### Kenwood 7.2V

TK250, TK259, TK350,  
TK353, TK355, TK359,  
KNB11A, KNB-12A

Type	NiCd
Volts	7.2V
Power	1200mAh
Code	RBW77



#### Kenwood 3.6V

TalkAbout 4002A, FRS400A,  
FV500, KEBT071B.

Type	NiMH
Volts	3.6V
Power	700mAh
Code	RBW153



#### Kenwood 7.2V

TK2200 Series, TK3200 Series.  
KNB29N, KNB30A.

Type	NiMH
Volts	7.2V
Power	1650mAh
Code	RBW147







## Two Way Radio Batteries

### Motorola 7.5V

HNN8133, HNN8308, HNN9628,  
HNN9628MH, HNN9701, HNN9808,  
PMNN4005, PMNN4016, WPNN4012

Type	NiMH
Volts	7.5V
Power	1650mAh
Code	RBW74



### Motorola 7.2V

JMM4025A, JMNN4023, JMNN4024,  
JMNN4024R, JMNN4025, JMNN4025R

Type	Lilon
Volts	7.2V
Power	1900mAh
Code	RBW75



### Motorola 7.2V

HNN9008, HNN9008A, HNN9009, HNN9010,  
HNN9011, HNN9011A, HNN9012, HNN9012AR,  
HNN9013, PMNN4008, PMNN4009, PMNN4012,  
PMNN4023, PMNN4045

Type	NiMH	NiMH	Lilon
Volts	7.2V	7.2V	7.5V**
Power	1900mAh	2700mAh	1900mAh
Code	RBW66	RBW67	RBW68



### Motorola 7.5V

Visar NTN7394A

Type	NiCd
Volts	7.5V
Power	1200mAh
Code	RBW110



### Motorola 4.8V

KEBT-072-B

Type	NiMH
Volts	4.8V
Power	700mAh
Code	RBW139



### Shinwa 7.5V

6060937H01, 6060937H02, HNN9027A,  
HNN9044A, HNN9056, ZG33B

Type	NiCd
Volts	7.5V
Power	700mAh
Code	RBW71



### Tait 7.2V

TOPB100, TOPB200

Type	NiMH
Volts	7.2V
Power	2100mAh
Code	RBW123



### Uniden 4.8V

BP120, BP180, BP245, BT214

Type	NiCd	NiMH
Volts	4.8V	4.8V
Power	700mAh	1600mAh
Code	RBW33	RBW40



### Uniden 7.2V

UH056, UH057, BP81.

Type	NiCd
Volts	7.2V
Power	700mAh
Code	RBW142



### Uniden 7.2V

BT481

Type	NiCd
Volts	7.2V
Power	700mAh
Code	RBW124



### Uniden 4.8V

BP38

Type	NiMH
Volts	4.8V
Power	730mAh
Code	RBW138



## More Two-Way Batteries - See The Next Page...



### INTERNATIONAL AIR TRANSPORT ASSOCIATION

NEW IATA RULES  
UN3090, UN3480  
Not all batteries  
can be sent by air.

Slight delays may  
occur if cells  
are sent by road.

Regulations Tentative



**E.O.E.** Errors and Omissions Excepted. All information contained herein is assumed to be accurate, however no responsibility can be taken by WES Components A/Asia for its use, for any damage caused by incorrect selection and installation, nor for any infringements of patents or other rights of third parties.





# Power & Lighting

## Two Way Radio Batteries

### TWO WAY RADIO BATTERIES

Replacement type batteries to suit a majority of Australia's Two-Way radio hand-sets. All batteries are equivalent or better than original specifications. All use premium grade cells manufactured in Japan.



**WALKY-TALKY**

Brand	Suit	Original Part No	Type	Volts	Power	Code
Audioline	Lexel, Oricom, Switel, PMR Easy 012, 1000, WT237	LH060-3A44C4BT	NiMH	4.8V	730mAh	RBW140
Bendix King	LPH, LPX	K0125E, 0105E, LAA0105, 0121, 0193	NiCd	9.6V	1400mAh	RBW86
Ericsson/G.E	KPC300, KPC400, LPE200, Panther 500, Prism	BKB191202, BKB191203	NiCd	7.2V	1500mAh	RBW32
Garmin	VHF720, VHF725, VHF725e	011-10245-00, 011-00416-00, 011-00564-01	NiMH	7.5V	1400mAh	RBW156
GME	Electraphone BP475-2 [Must Use Original Case]	BP475-2	NiCd	9.6V	600mAh	RBW169
	Electraphone TX475S	BP475-1	NiCd	9.6V	600mAh	RBW170
	GME TX650	GME TX650	Lilon	3.7V	950mAh	RBW149
Icom	H/U16 Series, IC-12GAT, IC-2GAT, IC-A2, IC-A20, IC-A21, IC-H12, IC-H2, IC-H6, M5, U12, U16	BP7, CM7	NiCd	13.2V	600mAh	RBW42
	H/U16 Series, IC-12GAT, IC-2GAT, IC-A2, IC-A20, IC-A21, IC-H12, IC-H2, IC-H6, M5, U12, U16.	BP8, CM8, CM96	NiCd	8.4V	1200mAh	RBW43
	IC-12GAT, IC-2GAT, IC-H12, IC-H2, IC-H6, U-12, U-16	BP7, CM7.	NiCd	13.2V	600mAh	RBW163
	IC-24AT, IC-24ET, IC-25RA, IC-2SA, IC-3SAT, IC-45A, IC-45SE, IC-4SAT, IC-R1, IC-W2, IC-W2A	BP8, CM8, CM96.	NiCd	8.4V	1700mAh	RBW164
	IC-2SA, IC-2SAT, IC-2SE, IC-2SET, IC-3SAT.	BP2, CM2	NiCd	7.2V	500mAh	RBW145
	IC-3	BP83	NiCd	7.2V	600mAh	RBW44
	IC-3FX, IC-F3, IC-F3S, IC-F4, IC-F4S	BP82	NiCd	7.2V	300mAh	RBW161
	IC-5	BP3, CM3	NiMH	8.4V	750mAh	RBW146
	IC-A24, IC-A6, IC-F3, IC-F4, IC-F11, IC-F21, IC-F30, IC-F31, IC-F40, IC-F41, IC-U82, IC-V8	BP195, BP196, BP196MH	NiMH	9.6V	1650mAh	RBW37
	IC-F10, IC-F20	BP5, CM5	NiCd	10.8V	600mAh	RBW41
	IC-F14, IC-F15, IC-F24, IC-F25, IC-F33, IC-F34, IC-F43, IC-F44		NiCd	10.8V	600mAh	RBW160
	IC-F50, IC-F51, IC-F60, IC-F61, IC-M87, IC-M88	BP209, BP210	NiMH	7.2V	1650mAh	RBW39
Kenwood	FTH1010, TK2140, TK2160, TK3140, TK3160	BP174	NiCd	12V	800mAh	RBW34
	FTH1010, TK2140, TK2160, TK3140, TK3160.	BP231, BP232	Lilon	7.2V	2150mAh	RBW131
	TH205, 215, 320, 405, 415, TK210, 230, 310, 330	BP227	Lilon	7.2V	1900mAh	RBW133
	TH22AT, TH42AT, TH79A, TK208, TK308	KNB24L, KNB25A, KNB26N, KNB35L	Lilon	7.2V	1950mAh	RBW132
	TH26AT, TH46AT, TH75AT, TH77AT, TK220, TK240, TK240D, TK248, TK249, TK320, TK340, TK340D, TK348	KNB24L, KNB25A, KNB26N.	NiCd	7.2V	1500mAh	RBW165
	TK2100, TK2100K2, TK260, TK270, TK270G, TK3100, TK3100K2, TK3101, TK360, TK370, TK370G		NiMH	7.2V	2100mAh	RBW152
	TK2118, TK3118, DSE D1801, Kirisun PT2508, PT3508, PT3588, PT446DX.	KNB3A, KNB4, PB-1, PB-2	NiCd	7.2V	1200mAh	RBW81
	TK2180, TK3180	PB32, PB-33, PB-34	NiMH	9.6V	1000mAh	RBW113
	TK2200 Series, TK3200 Series.	KNB5A, KNB6A, KNB7A, PB-6, PB-7, PB-8	NiCd	7.5V	700mAh	RBW82
	TK250, TK259, TK350, TK353, TK355, TK359	KNB14, KNB14A, KNB15A, KNB20N	NiCd	7.5V	1100mAh	RBW83
	TK280, TK290, TK380, TK390, TK480, TK481	KNB15MH, KNB14A, KNB15A	NiCd	7.2V	1500mAh	RBW78
	TK280, TK290, TK380, TK390, TK480, TK481.	PB41, DSE KB20A, Kirisun KB20A	NiMH	7.2V	2100mAh	RBW79
	TK430, TK431.		NiMH	7.2V	1100mAh	RBW151
	KG109	KNB31A, KNB32N, KNB33L	NiMH	7.2V	2700mAh	RBW159
	KG209	KNB29N, KNB30A	NiMH	7.2V	1650mAh	RBW147
Kyodo	APH, APL, APU Series, AR477, CGX1520, CP0510, CP0520, CS0150, CS0510, CS0520, FT2003, FT4073, FT5203, FTC2205, FTC703A, FTC708A, HH2500, HH400, MINI-COMM 1, 2, SP-5050HD, TAD1, TAD1510	KNB29N, KNB30A.	NiMH	7.2V	1600mAh	RBW166
Maxon	SL70, SP2000, SP2250, SP2500, SP2800, SP2850	KNB11A, KNB12A	NiCd	7.2V	1200mAh	RBW77
		KNB16A, KNB17A, KNB21N, KNB22N	NiCd	7.2V	1500mAh	RBW80
		KNB16A, KNB17A, KNB21N, KNB22N.	NiMH	7.2V	2100mAh	RBW150
		KNB9A, KNB9B.	NiCd	7.2V	1200mAh	RBW85
		NC-1000, NC-1000A	NiCd	9.6V	1200mAh	RBW88
		NC-2000H	NiMH	7.2V	1450mAh	RBW89
		APX500, BP4, BP4C, BR34, CA1450, CA1450A, CGX1450A, CP1450A, FNB1, FNB2, MA181	NiCd	10.8V	700mAh	RBW58
		CA1155, SA1155	NiCd	10.8V	600mAh	RBW45
		CA1170, CA1170H, SA1170, SA1270	NiCd	10.8V	1200mAh	RBW46
			NiCd	10.8V	1400mAh	RBW47
		MPA-1200, MPA-1400, MPA-600	NiCd	7.2V	1200mAh	RBW87
		ACC-200	NiMH	7.2V	1450mAh	RBW144
		BATT5R	NiMH	6V	700mAh	RBW158
Midland	GXT300, GXT325, GXT400, GXT444, GXT450, GXT500, VXT550, GXT600, GXT650, GXT661, GXT700, GXT710, GXT720, GXT750, GXT756, GXT757, GXT775, GXT795VP4, GXT800, GXT900, GXT950, LXT210, LXT303, LXT305, LXT310, LXT350, LXT410, LXT435.					
Motorola	Astro Saber, MX1000, MX2000, MX3000, MX7000	HNN9033, HNN9034, NTN4537, 4538, 4592, 4593, 4594, 4595, 4596, 4657, 4905, 4992, 7014, 7058, 7426, 8251	NiCd	7.5V	1800mAh	RBW98
		PMNN4046, PMNN4063.	NiMH	7.5V	1200mAh	RBW105
	AX Series, AXU4100, AXV5100, CP125, GM338, 398, GP2000, GP2100, P020, P030, PRO2150, VL130		NiMH	7.2V	1200mAh	RBW136
	EX500, EX600, GP328, GP329, GP338, GP338XLS, GP344, GP388, PTX700, PTX760	JMM4025A, JMNN4023, JMNN4024, JMNN4024R, JMNN4025, JMNN4025R	Lilon	7.2V	1900mAh	RBW75





## TWO WAY RADIO BATTERIES

Brand	Suit	Original Part No	Type	Volts	Power	Code
Motorola Continued...	ATS2500, GP320, GP328, GP328LS, GP329, GP338, GP338LS, GP339, GP340, GP360, GP380, HT1250, HT1550, HT750, LTR Pro, MTX900(7.5V), MTX960, Pro5150, 7150, 9150, PTX700, PTX760, PTX780	HNN9008, HNN9009, HNN9010, HNN9011, HNN9012, HNN9013, PMNN4008, PMNN4009, PMNN4012, PMNN4023, PMNN4045	Lilon	7.5V**	1900mAh	RBW68
			NiMH	7.2V	1900mAh	RBW66
			NiMH	7.2V	2700mAh	RBW67
	ATS2500, GP320, GP328, GP328LS, GP329, GP338, GP338LS, GP339, GP340, GP360, GP380, HT1250, HT1550, HT750, LTR Pro, MTX900(7.5V), MTX960, Pro5150, Pro7150, Pro9150, PTX700, PTX760, PTX780					
	CP50, SP50	HNN9018AR	NiCd	7.5V	1200mAh	RBW69
	CT150, CT250, CT450, CT450-LS, GP308, GP88S, P040, P060, P080, PRO3150	PMNN4017, PMNN4018, PMNN4019, PMNN4020, PMNN4021, PMNN4053	NiCd	7.5V	1450mAh	RBW115
	CT150, CT250, CT450, GP308, P040, P080, P837A, PRO3150, T750	NTN4018, NTN4021, PMNN4018, PMNN4021	NiMH	7.5V	1450mAh	RBW116
	FV300, FV500, FV700, FV750, SX500R, SX800R, SX900R.	53617, KEBT-086-B	NiMH	3.6V	700mAh	RBW155
	GP1200, GP900, HT1000, HT6000, JT1000, Mobius, MT2000, MTS2000, MTX8000, MTX838, MTX9000, MTZ2000	HNN9028, HNN9029, NTN7143, 7144, 7146, 7147, 7150, 7341, 7372, WPNN4013, WPNN4037	NiCd	7.5V	1200mAh	RBW106
			NiMH	7.5V	2700mAh	RBW108
	GP300, GP88, GTX Series, LTS2000, Radius GP300	HNN8133, 8308, 9628, 9701, 9808, PMNN4005, 4016, WPNN4012	NiMH	7.5V	1650mAh	RBW74
	GP63, GP68, Pacer	PMNN4000, PMNN4001	NiCd	7.5V	1200mAh	RBW114
	HT10, Radius P10, Radius P50, Radius P50 Plus, Radius P60, SP10, SP50, Spirit, SH401, SH501, SH502	6060937H01, 6060937H02, HNN9027A, HNN9044A, HNN9056, ZG33B	NiMH	7.5V	1000mAh	RBW143
			NiCd	7.5V	700mAh	RBW71
	HT220 Omni	NLN6761A, NLN6900B	NiCd	15V	600mAh	RBW92
	HT440	NLN7401A, NLN7694A	NiCd	12.5V	700mAh	RBW95
	HT600, HT800	NTN4564, 4584, 4585A, 5414, NTN5415, 5448, 7016	NiMH	10V	1800mAh	RBW100
			NiCd	10V	1200mAh	RBW99
	HT90	NLN7434A, NLN7435A	NiCd	12.5V	700mAh	RBW94
	MT1000, MTX800, MTX900(10volt type)	60-60930L13, NTN4824, 5447, 7015	NiCd	10V	1200mAh	RBW101
	MTP200, MTP300, XTS2500, XTS3000, XTS3500, XTS5000	HNN9031, 9032, NTN8294, 8295, 8297, 8298, 8299, 8610, 8923, RNN4006, 4007	NiCd	7.5V	1700mAh	RBW111
			NiMH	7.5V	2700mAh	RBW112
		HNN9031, HNN9032, NTN8294, NTN8295, NTN8297, NTN8298, NTN8299, NTN8610, NTN8923, RNN4006, RNN4007.	NiMH	7.5V	4000mAh	RBW130
	MX300, MX320, MX330, MX340, MX350, MX360	NLN5860, NLN8834, NLN8835	NiCd	7.5V	1800mAh	RBW91
	Radius P110	HNN8148A	NiCd	7.5V	1200mAh	RBW65
	Radius P200, Radius P210	60-60930L41, NTN5521A, NTN5531	NiCd	10V	1200mAh	RBW104
	SX700R, SX709, SX710	KEBT-072-B	NiMH	4.8V	700mAh	RBW139
	TalkAbout FV500, T4800, T4900, T5000, ... T5950, T6000, ...T6500, T8500, T9500.	4002A, FRS400A, FV500, KEBT071B	NiMH	3.6V	700mAh	RBW153
	Visar	NTN7394A, NTN7395A	NiMH	7.5V	2100mAh	RBW109
			NiCd	7.5V	1200mAh	RBW110
Philips	PRP15	PRP15	NiCd	10.8V	1400mAh	RBW117
Shinwa	SH403	ZG24C	NiCd	9.6V	600mAh	RBW125
	SH405/G	ZG36	NiCd	9.6V	1200mAh	RBW127
	SH405/G2	ZG36B	NiCd	9.6V	1200mAh	RBW128
Simoco	SRP8000 & SRP9000 Series		NiMH	7.2V	2700mAh	RBW134
			Lilon	7.2V	3000mAh	RBW135
			NiCd	7.2V	1700mAh	RBW148
	SRP-8000, SRP-8010, SRP-8020, SRP-8030, SRP-8031, SRP-9000, SRP-9100, SRP-9130	PA-BATB, PA-BATF, PA-BATH, PA-BATL, PA-BATN, PAR-BATLM				
Tait	ELAN, ORCA, ORCA TOP-12110, ORCA TOP-12410	TOPB100, TOPB200	NiMH	7.2V	2100mAh	RBW123
	T3000-1002	3000H	NiCd	7.2V	1200mAh	RBW120
		3000N-MH	NiMH	7.2V	1800mAh	RBW121
Uniden	Bearcat Scanner BC120XLT, 220, 230, 235, 245, SC150, SC180B, SC200, UBC120, UBC220XLT	BP120, BP180, BP245, BP250, BT214	NiMH	4.8V	1600mAh	RBW40
		BP120, BP180, BP245, BT214	NiCd	4.8V	700mAh	RBW33
	FPH416, FPH516, FTU416, FTU516, SPH51, SPU51	APX1050, APX1070	NiCd	7.2V	1200mAh	RBW28
	GMR635, GMR645, GMR855, GMR885, GMR895, UH038, UH039P, UH041, UH043, UH047, 060, 064	BP38	NiMH	4.8V	730mAh	RBW138
	SPS301, SPS310, SPS320	APX1100	NiCd	7.2V	1200mAh	RBW29
	Sundowner UH053, UH053	BT481	NiCd	7.2V	700mAh	RBW124
	UBC70XLT, 14.9x50x42.7mm	CTB35, BP70	NiCd	4.8V	600mAh	RBP35
	UH055	UT-8522T	NiCd	9.6V	600mAh	RBW141
	UH056, UH057	BP81	NiCd	7.2V	700mAh	RBW142
	ZA-032	ZA-032	NiCd	10.8V	600mAh	RBW157
	FT10R, FT40R, FT50R	FNB40, FNB41	NiCd	9.6V	600mAh	RBW137
	FT10R, FT40R, VX10	FNB47	NiCd	7.2V	1500mAh	RBW62
	FT2005, FT2008, FT2010, FT23R, FT33R, FT411, FT470, FT7005, FT7008, FT7010, FT73R, FT811	FNB12, FNB14 Long	NiCd	12V	600mAh	RBW60
	FT26, FT415, FT815	FNB25	NiCd	7.2V	600mAh	RBW61
	FT60, VX110, VX120, VX130, VX150, VX160, VX180, VX210, VX400, VX420. VX800, VXA120, VXA150, VXA170, VXA200, VXA300.	FNB83	NiMH	7.2V	1450mAh	RBW168
Vertex, Yaesu	VX110, VX150, VX400, VX800	FNB-64, FNB-V57, FNB-V57H	NiCd	7.2V	1100mAh	RBW64
	VX-2, VX-2E, VX-2R	FNB-82LI	Lilon	3.7V	1100mAh	RBC49





# Power & Lighting

## Tool & Drill Batteries

### BATTERIES FOR POWER TOOLS

#### EXTENDED CAPACITY

Premium Quality Japanese made cells assembled in Hong Kong. Most batteries are equivalent or better specifications to original.

May suit more brands and types than specified.



#### SEE CROSS REFERENCE

#### MORE TYPES AVAILABLE

Top sellers are shown here, with the full range available are listed in the cross reference...

If you have a battery not listed then please contact us as it may be new!



### AEG / RYOBI 7.2V

#### Atlas Copco Milwaukee Ryobi

Suit	ABS10, ABSE10, AL7, BD1020CR, HBD72TR
Original Part No	P7.2, A10, B72A, AG724H, 4932318460.
Type	NiCd
Volts	7.2V
Power	2200mAh
Code	RBT101



### AEG 12V

#### Atlas Copco Milwaukee

Suit	BDSE 12T, BEST 12BBPB, 12X, BS2E 12Q, WBE2E 12, SB2E.
Original Part No	B12
Type	NiCd
Volts	12V
Power	2100mAh
Code	RBT01



### AEG 14.4V

Suit	BBM 14STX, BDSE 14STX, BS 14X, BS2E, SB2E 14.4T, SB2E 14STX
OEM	4932367905, B14.4, BF14.4, BX14.4, BXL14.4, BXS14.4, MX14.4, MXS14.4
Type	NiCd
Volts	14.4V
Power	2400mAh
Code	RBT02



### AEG 18V

Suit	0521-20, 0622-20, 0780-20, 0880-20, 0901-24, 1109-20, 3109-21, 5361-20, 6310-20, 6514-20, 9078-22, 9099-20, LokTor H18, P18T, PSH18, PSX18
OEM	184932386853, B18, MX18, 48-11-1430, 4932352002
Type	NiCd
Volts	18V
Power	2000mAh
Code	RBT03



Atlas Copco Milwaukee

### BOSCH 7.2V

Suit	GBM7.2, VE1, VES2, GDR50, GNS7.2V, GNR7.2V/VE/VES2, GUS7.2V, PBM7.2VE, PSR7.2VES
Original Part No	2 607 335 033 / 073, 2 607 335 153
Type	NiCd
Volts	7.2V
Power	1400mAh
Code	RBT13



### BOSCH 9.6V

Suit	BS-8, GBM 9.6VE/VES/VESP, GSC, GSG, GSR, GSS, GUS
Original Part No	2 607 300 002
Type	NiCd
Volts	9.6V
Power	2500mAh
Code	RBT24



### BOSCH 9.6V

Suit	GBM96VES2, GDR90, GSR96VE2/VES2/VPE2, PBM96VES2, PDR80, PSB96VES2/VSP2...
Original Part No	2 607 355 037/072/152
Type	NiCd
Volts	9.6V
Power	2400mAh
Code	RBT16



### BOSCH 12V TYPE-2

Suit	3300K, AHS 3 Accu, ASG 52, B2300, BH1214H, GBM 12VES-2, GSB 12VSP-2, PSB 12VSP-2, PSR 12VES-2
OEM	2 607 335 054, 2 610 910 405, 3 607 335 186, BAT011
Type	NiCd
Volts	12V
Power	2000mAh
Code	RBT17



### BOSCH 14.4V

Suit	GLI14.4V, GSR14.4 / VPE2
Original Part No	2 607, 335, 210
Type	NiCd
Volts	14.4V
Power	2000mAh
Code	RBT18



### BOSCH 14.4V

Suit	Bosch 13614, AHS 41, ART 26, GDR 14.4, GDS 14.4V, GHO 14.4, GLI 14.4V, GSB 14.4VE-2, GWS 14.4V, PAG 14.4V, PDR 14.4V/N, PKS 14.4V, PLI 14.4V, PSB 14
OEM	2 607 335 264, 2 610 909 013, BAT038, BAT040, BAT140, BAT159
Type	NiCd
Volts	14.4V
Power	2400mAh
Code	RBT21







## Tool & Drill Batteries

### BOSCH 18V

Suit	Bosch 13618, 1644, 22618, GDR 18V, GSB 18VE-2, GSR 18V, GST 18V, PSB 18VE-2, PSR 18-2
OEM	Bosch 2 607 335 266, 2 610 909 020, BAT025, BAT026, BAT160, BAT180, BAT181, BAT189
Type	NiCd
Volts	18V
Power	2000mAh
Code	RBT22



### BOSCH 18V

Suit	17618, 25618, 3601H61S10, 37618, CCS180, CFL180, GDR18, GDS18.
OEM	2607336091, 092, 170, BAT609,...
Type	Lilon
Volts	18V
Power	3000mAh
Code	RBT148



### BLACK & DECKER / DEWALT 14.4V

Original Part No	499936-34, 499936-35, A14, A144, A1714, FSB14, HPB14, FS140BX
Suit	BDGL14, CD14, CP14, CS144B, EPC14CA, FS14, HP142K, HP14, KC2002F, NM14, PS142K, SX6000, SX7000, SX7500, SXR14, XTC143BK
Type	NiCd
Volts	14.4V
Power	2000mAh
Code	RBT09



### BLACK & DECKER / DEWALT 18V

Suit	BD18PSK, BDGL1800, BDGL18K-2, CDC180ASB, EPC18CABK, FS188F4, FS18ID, FS18PS, FS18PSK, GCO18SFB, GLC2500, HP188F2B, HPD1800, HPD18K-2, HPG1800, NST2018, PS182KB, PS18K2,
Type	NiCd
Volts	18V
Power	2000mAh
Code	RBT10



### BLACK & DECKER / DEWALT 7.2V

Suit	DW920K, DW925K, DW940K, DW968K, DW980K.
Original Part No	DE9057, DE9085, DW9057
Type	NiCd
Volts	7.2V
Power	1900mAh
Code	RBT27



### BLACK & DECKER / DEWALT 18V

Suit	B&D HP932K-2 PS145 Dewalt DW908/919/923/936, DW938/958/995/997/998. DW9095 etc.
Original Part No	PS145, DC9096, DE9039, DE9095, DE9096, DE9098, DW9095, DW9096
Type	NiCd      NiCd      NiMH
Volts	18V      18V      18V
Power	2000mAh      2400mAh      3000mAh
Code	RBT31      RBT105      RBT32



### BLACK & DECKER / DEWALT 9.6V

Suit	B&D HP131K2, CD231K, Dewalt DW902/911/913, DW955/K, DW967K
Original Part No	B&D A9251, PS120, Dewalt DE/DW 9061/9062
Type	NiCd
Volts	9.6V
Power	1900mAh
Code	RBT28



### BLACK & DECKER / DEWALT 24V

Original Part No	DW0240, 241, 242, 243
Suit	DC222, DW004, 005, 006, 007, 008, 017
Type	NiCd
Volts	24V
Power	2400mAh
Code	RBT26



### BLACK & DECKER / DEWALT 14V

Suit	DC528 (Flash Light), DC551KA, DC612KA, DC728KA, DC830KA, DC930KA, DW054K-2
OEM	PS140, DC9091, DE9038, DW9091, DW9094
Type	NiCd
Volts	14.4V
Power	2000mAh
Code	RBT30



### DREMEL 10.8V

Suit	8000-01
OEM	855
Type	Lilon
Volts	10.8V
Power	1500mAh
Code	RBT155



### BETTER THAN ORIGINAL

#### EXTENDED CAPACITY

Premium Quality Japanese made cells assembled in Hong Kong.

Most batteries are equivalent or better specifications to original.

May suit more types & brands than specified.



### FESTO FESTOOL 9.6V

Original Part No	BPH9.6C
Volts	9.6V
Power	2500mAh
Code	RBT38







# Power & Lighting

## Tool & Drill Batteries

### HITACHI 7.2V

Original Part No	B2
Suit	D10D, D10DC, DRC10
Type	NiCd
Volts	7.2V
Power	1900mAh
Code	RBT44



### HITACHI 9.6V

Original Part No	EB9/9B/9M/9S
Suit	CL10/D/DD/DF2/DG/DH/DJ/KS, DS9, DN10, DS10, VH8, WH8, FDS9, WR8, UB2D/3D/12D,...
Type	NiCd
Volts	9.6V
Power	1900mAh
Code	RBT51



### HITACHI 12V

Original Part No	EB12 to FEB12S		
Suit	DH15, DS10, DS12, DH15, DV10, FDS12, P20DA, WH12, WF4, WP12, WR12		
Type	NiCd	NiCd	NiMH
Volts	12V	12V	12V
Power	1900mAh	2500mAh	3000mAh
Code	RBT45	RBT106	RBT113



RBT106 is over-sized outer case.

### HITACHI 14.4V

Original Part No	EB14, EB1414, 1426, 1430,...	
Suit	DS14DV/DVA/DVB/DVF, DS14DV/DVA WH14DA/DH, WR14DH/BFK UB18D	
Type	NiCd	NiMH
Volts	14.4V	14.4V
Power	2500mAh	3000mAh
Code	RBT46	RBT114



### HITACHI 18V

Suit	C18DL, DLX, DMR, CJ18DLX, CR18DMR, CR18DV, DV18DVKS, G18DLX, RB18DL.	
Original Part No	EB1814SL, EB1820L, EB1824L, EB1826HL, EB1830HL	
Type	NiCd	NiMH
Volts	18V	18V
Power	2500mAh	3000mAh
Code	RBT115	RBT116



### HITACHI 18V

Suit	C18, CJ18, CR18, DH18, DS18, DV18, G18, RB18, UB18, WH18, WR18,...	
Original Part No	BCL1830, EB1812S, EB1820, EB1826, EB18B.	
Type	NiCd	
Volts	18V	
Power	2000mAh	
Code	RBT120	



### MAKITA 7.2V

Suit	3700 4071 6010 6071 6172 6710 6912 9035 9500 etc. DA301 ML700/701/702 etc. UH3000DW, UM1000D, etc.	
OEM	191679-9, 192532-2, 192695-4, 1943554, 632002-4, 632003-2, BL7010 LXT, etc.	
Type	NiCd	NiCd
Volts	7.2V	7.2V
Power	1500mAh	2000mAh
Code	RBT62	RBT63



### MAKITA 9.6V

Original Part No	6014DW 6201D/DW/DWH	
Suit	6202 6400 6702 6703 6704, 6705 6706 6791 6792 6903, 6907 6940 T221 T422 T1022	
Type	NiCd	
Volts	9.6V	
Power	2000mAh	
Code	RBT67	



### MAKITA 9.6V

Suit	6203, 6204, 6207, 6222, 6260, 6261, 6503, 6903, 6907, 6908, 6990, 6991, 6992, BMR100, DA392, ML903, MT060, etc.	
OEM	192595-8, 193058-7, 638344-4-2	
Type	NiCd	
Volts	9.6V	
Power	2000mAh	
Code	RBT69	



### MAKITA 9.6V

Suit	4093 4190 4300 5090 6012 6092 6095D 6891 6900 8402 etc. 903DW DA390 ML900 etc. T220D UM1690D etc.	
OEM	191681-2, 192533-0, 192696-2, 632007-4	
Type	NiCd	NiCd
Volts	9.6V	9.6V
Power	1500mAh	2400mAh
Code	RBT65	RBT66



### MAKITA 10.8V

Suit	DF030, DF330, TD090	
Original Part No	194550-6, 1945514, BL1013	
Type	Lilon	
Volts	10.8V	
Power	1650mAh	
Code	RBT147	



### MAKITA 12V

Suit	MT063SK, MT063SK2, MT063SKQ	
OEM	1250	
Type	NiCd	
Volts	12V	
Power	2400mAh	
Code	RBT54	







## Tool & Drill Batteries

### MAKITA 12V

Suit	1050DWA, 4191DE, 5093DE, 6213DWAE, 8413DWD, DA312DW, ML120, VR250DWAE
OEM	1220, 192597-4, 193059-5
Type	NiMH
Volts	12V
Power	3000mAh
Code	RBT55



### MAKITA 14.4V

Suit	BDA340, BDF343, BDF440, BFR440, BFS440, BHP440, BJV140, BPT350, BSS500, BTD130, BTL060, BTS130, BVR340, ...
Original Part No	194065-3, 194066-1, BL1430
Type	Lilon
Volts	14.4V
Power	3000mAh
Code	RBT141



### MAKITA 14.4V

Suit	1015, 1051, 4332, 5094, 5630, 6228, 6336, 8280, 8433, etc., JR140, ML140, UB140, etc...
OEM	1401, 1923443, 193060-0, BH1420, BL1430 LXT, PA14
Type	NiCd NiMH
Volts	14.4V 14.4V
Power	2400mAh 3000mAh
Code	RBT56 RBT57



### MAKITA 18V

Suit	4334, 5026, 5620, 6343, 8443, DK1016, DK1021, DK1032, JR140, JR180, LS711, LS800, ...
OEM	1820, 192827-3, 193061-8, 193102-0, 193140-2, 193159-1, ...
Type	NiCd NiMH
Volts	18V 18V
Power	2000mAh 3000mAh
Code	RBT58 RBT59



### METABO 12V

Original Part No	6.30071/73 6.31723
Suit	Bh A/AT/EA 12S-R+L EA14 EA112/2 A25 HS A 8043 HLA15
Type	NiCd
Volts	12V
Power	2200mAh
Code	RBT72



### METABO 12V

Suit	6.02252.50, 6.02254.51, 6.02274.00, 6.02297.50, BS12, BST12, SB12, SBT12
Original Part No	6.31729, 6.31747, 6.31748, 6.31776
Type	NiCd
Volts	12V
Power	2500mAh
Code	RBT76



### METABO 15.6V

Suit	BS15.6, BST15.6, SBT15.6, 6.02260.00, 6.02276.51, 6.02293.50, 6.02307.51
Original Part No	6.31738, ...
Type	NiCd
Volts	15.6V
Power	2500mAh
Code	RBT77



### PANASONIC 2.4V

Original Part No	EY902, 9021, 903B
Suit	EZ-503
Type	NiCd
Volts	2.4V
Power	2500mAh
Code	RBT93



### PANASONIC 2.4V

Suit	EY3652, EY3652DA
OEM	EY9021, EY6220B
Type	NiCd
Volts	2.4V
Power	2400mAh
Code	RBT83



### NATIONAL 12V

Suit	EZ3500, EZ6101, EZ6307, EZ6401, EZ6501, EZ6600, EZ6700, EZ6802, EZ6901, EZ7000, EZ7201, EZ7202, EZ7203, EZ7205, EZ7270, EZ7300
OEM	EZ9001, EZ9006, EZ9101, EZ9102, EZ9106, EZ9107, EZ9108, EZ9200
Type	NiMH
Volts	12V
Power	3000mAh
Code	RBT90



### PANASONIC 3.6V

Original Part No	EY9025B
Suit	EY6225CQ
Type	NiCd
Volts	3.6V
Power	2500mAh
Code	RBT84



### PANASONIC 9.6V

Original Part No	EY9080, EY9180B
Suit	EZ-571
Type	NiCd
Volts	9.6V
Power	2500mAh
Code	RBT89







# Power & Lighting

## Tool & Drill Batteries

### PANASONIC 12V

Suits	EZ3500, EZ6402, EZ7000, EY3502, EY7271, etc.	
OEM	EZ9001, EZ9006, EZ9101, EZ9102, EZ9106, EZ9107, EZ9108, EZ9200	
Type	NiCd	NiMH
Volts	12V	12V
Power	2400mAh	3000mAh
Code	RBT87	RBT90



### RYOBI 14.4V

Suit	HP7200K2, HP7200-MK2, HP1441-MK2	
Original Part No	1400671, RY1444N	
Type	NiCd	
Volts	14.4V	
Power	2000mAh	
Code	RBT98	



### PANASONIC 15.6V

Original Part No	EY9136, EZ9137, EY9231,...	
Suit	EY3530FQMKW/NQMKW, 3531 3793 6431, 6230 6930 etc. EYC132 EYC133	
Type	NiCd	NiMH
Volts	15.6V	15.6V
Power	1900mAh	3000mAh
Code	RBT88	RBT92



### RYOBI 18V

Suit	R1073K2	
Original Part No	1400672, RY1804N	
Type	NiCd	
Volts	18V	
Power	2000mAh	
Code	RBT99	



### PANASONIC 24V

Original Part No	EY6812NQKW, EY6812VQKW, EY6812NQRW, EY9117/B	
Suit	EY6812, EY6813	
Type	NiCd	
Volts	24V	
Power	1900mAh	
Code	RBT103	



## Cordless Vacuum

### VACUUM CLEANERS



### PASLODE ITW RAMSET 6V

Suit	IM200, IM250, IM300, IM350, TF1100, ...	
Original Part No	402500, 750512	
Type	NiCd	
Volts	6V	
Power	1500mAh	
Code	RBT79	



### DYSON VACUUM CLEANER BATTERY

Suit	DC16 Motorhead	
Original Part No	912433-03	
Type	Lilon	
Volts	21.6V	
Power	1500mAh	
Code	RBT157	



### PASLODE ITW RAMSET 6V

Suit	404400, 900420, 901000, IM200F18, IM250-A, IM250-F16II, IM250-Q, IM-CT	
OEM	404717, B20544E, BCPAS-404717, BCPAS-404717SH	
Type	NiCd	NiCd
Volts	6V	6V
Power	1500mAh	2000mAh
Code	RBT81	RBT82



### iROBOT ROOMBA

Suit	Intelligent Robotic M-288 and Roomba 400, etc.	
Original Part No	17373	
Type	NiMH	
Volts	14.4V	
Power	3300mAh	
Code	RBT158	



### RYOBI 12V

Suit	HP1201-MK2	
Original Part No	1400652, RY1204N	
Type	NiCd	
Volts	12V	
Power	1500mAh	
Code	RBT96	



### iROBOT ROOMBA 14.4V

Suit	500, 510, 530, 532, 535, 550, 560, 562, 565, 570, 577, 580, 610	
Original Part No	80501, 80601, SP530	
Type	NiMH	
Volts	14.4V	
Power	3.3Ah	
Code	RBT156	







## □ Tool & Drill Batteries

### CROSS REFERENCE

Cross reference listing of the most popular Models and Part No. Remember to look for high capacity and long range versions. All are replacement type using premium quality Japanese cells.

#### AEG, Atlas Copco, Milwaukee

Suit	Original Part No	Type	Volts	Power	Code
ABS6, BS6, Powertac 14, ABS6, ABS6	4932317725, P2.4, PS2.4, PSX2.4, 4932317725, 4932317726, 4932317727, P2.4, PS2.4, PSX2.4	NiCd	2.4V	1400mAh	RBT07
BS2E 7.2T, PES 7.2 T, PES 7.2 T	B7.2, B7.2, 4932373517, B7.2	NiCd	7.2V	1900mAh	RBT04
ABS10, ABSE10, AL7	4932318460, A10, P7.2, 4932318460, P7.2	NiCd	7.2V	2200mAh	RBT101
Battery Light PL Option, BEST 9.6X, BEST 9.6X Super, BL	4932346506, 4932367903, 4932353638,	NiCd	9.6V	1900mAh	RBT05
Multi-volt-lamp, BS2E 9.6T, PES9.6, PES9.6T, PCS6T, PES 9.6, PES 9.6T	4932366429, 4932373250, 4932373518, B9.6, BX9.6, BXS 9.6, MX9.6				
0210-1, 0212-1, 0216-1, 0217-1, 0218-1, 0219-1, 0319-1, 0391-1, 0394-1, 0396-1, 0397-1, 0406-6	48-11-0080	NiCd	9.6V	2000mAh	RBT78
2000-SERIES, P9.6,	4932325100, 4932325100, 4932325100	NiCd	9.6V	2500mAh	RBT06
0501-20, 0501-21, 0501-23, 0502-20, 0502-23, 0502-25, 0502-52, 0602-20, 0602-22, 12T, 12X, 49-24-0150, 6560-20, 6560-21, 6560-23, 6560-24, B12T, BDSE 12T, BEST 12BBPB, BS2E 12Q, LokTor P12P, P12PX, P12T, P12TX, PAD12, PAS12PP, PCG12, PCS12T, PDD12X, PEP12, PEP12T, PEP12TX, PES12, PES12T, PJX12PP, PLD12X, PN12, PN12PP, PPS12, PPS12PP, PSG12, PSG12PP, PSM12PP, S12P, S12PX, S12T, S12TX, S12TXC, SB2E 12, T Flat pack, WBE2E 12	48-11-1900, 48-11-1950, 48-11-1960, 48-11-1967, 48-11-1970, 4932311646, 4932317802, 4932367904, 4932373527, 4932373529, 4932373530, 4932373531, 4932373533, 4932376508, 4932399311, B12, BF12, BX12, BXL12, BXS12, MX12, MXL12, MXS12, P12, PXS12	NiCd	12V	2100mAh	RBT01
0511-21, 0512-21, 0512-25, 0513-20, 0513-21, 0514-20, 0516-20, 0516-22, 0516-52, 0612-20, 0612-22, 0612-26, 0613-20, 0613-24, 0613-2Q, 0614-20, 0614-24, 0615-24, 0616-20, 0616-24, 0617-24, 6562-21, 6562-23, 6562-24, 9081-20, 9081-22, 9082-20, 9082-22, 9083-20, 9083-22, 14.4T, 14KX, 14STX, 4T, BBM14 STX, BBS14X, BDSE14.4T, BS14X, LokTor P14.4TX, PAS14.4, PCG14.4, PDD14.4X, PES14.4T, PIW14.4, PJX14.4, PJX14.4, PLD14.4X, PN14.4, PPS14.4, PSG14.4, PSM14.4, S14.4TX, S14.4TXC, SB2E 14.4Q	49240150, 4932367905, 4932373540, 4932373541, 4932373544, 4932373863, 4932376510, 4932399413, 48-11-1000, 48-11-1014, 48-11-1024, B14.4, BF14.4, BX14.4, BXL14.4, BXS14.4, MX14.4, MXS14.4	NiCd	14.4V	2400mAh	RBT02
0521-20, 0521-21, 0521-22, 0522-20, 0523-20, 0523-22, 0524-20, 0524-22, 0524-24, 0524-52, 0622-20, 0622-24, 0624-20, 0624-24, 0627-20, 0627-24, 0628-24, 0629-24, 0780-20, 0880-20, 0901-24, 0901-28, 0902-24, 0902-28, 0903-28, 0904-28, 0912-29, 0923-25, 0923-29, 0926-24, 0934-29, 1109-20, 1109-21, 1109-24, 1109-52, 3109-21, 3109-24, 5361-20, 5361-21, 5361-24, 5361-52, 6310-20, 6310-22, 6320-20, 6320-21, 6320-22, 6320-24, 6514-20, 6514-21, 6514-29, 6515-20, 6515-21, 6515-22, 6515-23, 6515-27, 6515-52, 6515-99, 9078-22, 9079-20, 9079-22, 9079-23, 9099-20, 9099-23., BDSE18T, LokTor H18, H18, P18T, P18TX, PIW18, PMS18, PN18X, PSH18, PSX18, S18P, S18PX, S18T,	4932352002, 4932352071, 4932373551, 4932373556, 4932386853, 4932386873, 4932386874, 4932386875, 4932399196, 4932399415, 4932399512, 48-11-1430, 48-11-1815, 48-11-1828, 48-11-2200, 48-11-2230, 48-11-2232, B18, BF18, BXL18, BXS18, M18, MX18, MXS18, V18	NiCd	18V	2000mAh	RBT03



#### Black & Decker [Firestorm]

Suit	Original Part No	Type	Volts	Power	Code
Versapak, VP120, VP130, VP302, VP3601, VP3621, VP368, VP369, VP4100, VP4200, VP4300, VP510, VP600, VP650, VP660, VP7201, VP7221, VP7251	VP100, VP110	NiCd	3.6V	1200mAh	RBT109
CD231K, CD9600K, CD9600K-2, FS96, FSL96, HP131K-2, PS3200, PS3300, PS3350K	A9251, PS120	NiMH	3.6V	2000mAh	RBT11
CD231K, CD9600K, CD9600K-2, FS96, FSL96, HP131K-2, PS3200, PS3300, PS3350K	A9251, PS120	NiCd	9.6V	1900mAh	RBT28
BDBN1202, BDG1200K, BDGL12K, BDID1202, CD1200SK, CD12SFK, CDC1200K, CP122K, CP122KB, CP12K, CP12KB, FS1200D, FS1200D-2, FS1202BN, FS1202D, FS12PS, FS12PSK, FSD122, FSD122K-2, HP122K, HP122KD, HP126F2B, HP126F2K, HP126F2K-XE, HP126F3B, HP126F3K, HP126, HP128F3B, HP12K, HP12KD, HP9019HK, HPD1200, HPD1202, HPD1202KF, HPD12K-2, KC2000FK, PS12HAK, SX3000, SX3500, SX5000, XD1200, XD1200K, XTC12IK, XTC12IKH	A12, A12-XJ, A12-XJHPB12, A1712, FS120B, FS120BX, FSB12, HPB12	NiCd	12V	1900mAh	RBT08
BL120V	559960-00	NiCd	12V	1900mAh	RBT45
		NiCd	12V	2500mAh	RBT106
		NiMH	12V	3000mAh	RBT113
BDG14SF-2, BDGL1440, BDGL14K-2, CD142SK, CD14SFK, CDC140AK, CDC1440K, CP142K, CP142KB, CP14K, CP14KB, CS144B, EPC14CA, EPC14CAB, FS1400D, FS1400D-2, FS1402D, FS14PS, FS14PSK, FSD142K-2, HP142K, HP142KD, HP146F2, HP146F2B, HP146F2K, HP146F2K-XE, HP146F3B, HP146F3K, HP146FBH, HP148F2B, HP148F2K, HP148F2R, HP148F3B, HP148F3K, HP14K, HP14KD, HPD1400, HPD14K-2, HPS1440, KC2002F, KC2002FK, NM14, PS142K, R143F2, RD1440K, SX4000, SX5500, SX6000, SX7000, SX7500, SXR14, XTC143BK	499936-34, 499936-35, A14, A144, A144EX, A14F, A14-XJ, A1714, FSB14, HPB14, FS140BX	NiCd	14.4V	2000mAh	RBT09
CD1440K, CD632K, CRS144, FS144, FSC414K-2, FSL144, FSQ144, HP532K-2, KC144D, PS144VK2, PS3600, PS3650K, PS3650K-2	PS140	NiCd	14.4V	2000mAh	RBT30
BD18PSK, BDGL1800, BDGL18K-2, CD182K-2, CD18SFRK, CD18SK-2, CDC180AK, CDC180ASB, EPC18CABK, EPC18CAK, FS1800D, FS1800D-2, FS1800ID, FS1802D, FS188F4, FS18ID, FS18PS, FS18PSK, FSC715K, FSD182K-2, FSX1800HD, FSX18HD, GCO18SFB, GLC2500, HP188F2B, HP188F2K, HP188F2K-XE, HP188F3B, HP188F3K, HPD1800, HPD18K-2, HPG1800, HPG18K-2, NHT518, NPP2018, NPT3118, NS118, NST1810, NST2018, PS182KB, PS18K2, XTC183BK, XTC18BK	244760-00, A1718, A18, A18-XJ, FS180BX, FS188BX, FSB18, HPB18, HPB18-OPE	NiCd	18V	2000mAh	RBT10
CD1800K, CD180GRK, FS18, FSL18, FSQ18, HP 932K-2, PS3700, PS3750K-2	PS145	NiCd	18V	2000mAh	RBT31
		NiCd	18V	2400mAh	RBT105
		NiMH	18V	3000mAh	RBT32





# Power & Lighting

## □ Tool & Drill Batteries

### Bosch

Suit	Original Part No	Type	Volts	Power	Code
GBM 7.2, GBM 7.2VE-1, GBM 7.2VES-2, GDR 50, GNS 7.2V, GSR 7.2V, GSR 7.2VE, GSR 7.2VES-2, GSR 7.2VPE-2, GUS 7.2V, PBM 7.2VE, PSR 7.2VES	2 607 335 031, 2 607 335 032, 2 607 335 033, 2 607 335 073, 2 607 335 153	NiCd	7.2V	1400mAh	RBT13
BS-6, GBM 7.2VE, GSR 7.2VE, GUS 7.2	2 607 300 001, 2 607 335 178	NiCd	7.2V	2500mAh	RBT25
23609, 32609, 32609-RT, GDR 9.6V, GLI 9.6V, GSR 9.6-1, GSR 9.6V, PSR 960	2 607 335 260, 2 607 335 272, 2 607 335 540, 2 607 335 674, 2 607 335 682, BAT048, 100, 119.	NiCd	9.6V	2000mAh	RBT19
3100.339, 3105.66, 3109.647, 3110.639, 3220.839, 3450.06, 601936647, B2100.335, B2109.646, B2110.635, B2220.835, FLEX596B, GBB9.6VES, GBM9.6VES, GDR90, GLI9.6V, GSB9.6VES-2, GSR9.6-1, GSR9.6VE2, GSR9.6VES2, GSR9.6VET, GSR9.6VPE-2, PBM9.6VES-2, PDR80	2 607 335 035, 2 607 335 037, 2 607 335 072, 2 607 335 089, 2 607 335 152, 2 607 335 230, 2 607 335 254, 2 610 910 400, BAT001	NiCd	9.6V	2400mAh	RBT16
2 607 335 054, 2 607 335 055, 2 607 335 071, 2 607 335 081, 2 607 335 090, 2 607 335 107, 2 607 335 108, 2 607 335 143, 2 607 335 145, 2 607 335 148, 2 607 335 151, 2 607 335 172, 2 607 335 185, 2 607 335 243, 2 607 335 244, 2 607 335 250, 2 607 335 376, 2 607 335 378, 2 607 335 471, 2 610 910 405, 3 607 335 186,	2 607 300 002, 2 607 335 176, 3 607 300 500, 3 607 300 501, 3 607 300 502	NiCd	9.6V	2500mAh	RBT24
GDR 10.8V-LI, GOP 10.8V, GSR 10.8V-LI, GSR 10.8V-LI-2, GWI 10.8V-LI, PS10-2, PS20-2, PS40-2	2 607 336 013, 2 607 336 014, 2 607 336 027, BAT411, D-70745	Lilon	10.8V	1500mAh	RBT137
3300K, 3305K, 3310K, 3315K, 3500, AHS 3 Accu, AHS A Accu, ASG 52, B2300, B2310, B2500, BH1214H, BH1214L, BH1214MH, GBM 12VES-2, GSB 12VSP-2, GSR 12V, GSR 12VE-2, GSR 12VES-2, GSR 12VES-3, GSR 12VET, GSR 12VPE-2, GSR 12VSH-2, PSB 12VSP-2, PSR 12VES-2	2 607 335 054, 2 607 335 055, 2 607 335 071, 2 607 335 081, 2 607 335 090, 2 607 335 107, 2 607 335 108, 2 607 335 143, 2 607 335 145, 2 607 335 148, 2 607 335 151, 2 607 335 172, 2 607 335 185, 2 607 335 243, 2 607 335 244, 2 607 335 250, 2 607 335 376, 2 607 335 378, 2 607 335 471, 2 610 910 405, 3 607 335 186, BAT011	NiCd	12V	2000mAh	RBT17
22612, 23612, 32612, 3360, 3360K, 3455, 3455-01, Exact12, Exact700, Exact8, GDR12V, GLI12V, GSB12VE-2, GSR12-1, GSR12V, GSR12VE-2, PAG12, PSB12, PSR1200, PSR12-2, PSR12VE, PSR12VE-2	2 607 335 249, 2 607 335 261, 2 607 335 262, 2 607 335 273, 2 607 335 274, 2 607 335 374, 2 607 335 375, 2 607 335 395, 2 607 335 414, 2 607 335 415, 2 607 335 416, 2 607 335 429, 2 607 335 430, 2 607 335 442, 2 607 335 454, 2 607 335 455, 2 607 335 463, 2 607 335 471, 2 607 335 487, 2 607 335 526, 2 607 335 541, 2 607 335 542, 2 607 335 555, 2 607 335 676, 2 607 335 683, 2 607 335 684, 2 607 335 692, 2 607 335 697, 2 607 335 709, 2 607 355 531, 2 609 200 306, BAT043, T045, BAT046, BAT049, BAT120, BAT139	NiCd	12V	2400mAh	RBT20
GBM12VE, GBM12VES, GBM12VESB, GBM12VESP, GSB12VE, GSB12VES, GSB12VESB, GSB12VESP, GSR12VE, 26156801, 3610K, 3612, 3615K, 3650K, 3655K, B2610, GSB 14.4VE-2, GSR 14.4VES-2, GSR 14.4VPE-2, PSR 14.4VES-2	2 607 335 014, 2 607 335 021, 2 607 335 180	NiCd	12V	2500mAh	RBT14
13614, 15614, 1661, 1661K, 22614, 23614, 32614, 32614-2G, 33614, 33614-2G, 3454, 3454-01, 3454SB, 34614, 35614, 3660CK, 3660K, 4VE, 52314, 53514, AHS41, ART26, GDR14.4, GDS14.4V, GHO14.4, GHO14.4VH, GLI14.4V, GSB14.4VE-2, GSB14.4VE-2B, GSB14.4VE-Q, GSR14.4V, GSR14.4V-2B, GSR14.4VE-2, GSR14.4VPE-2, GST14.4V, GWS14.4V, GWS14.4V/3B, GWS14.4VH, PAG14.4V, PDR14.4V/N, PKS14.4V, PLI14.4V, PSB14, PSB14.4V, PSB14.4V-i, PSR14.4, PSR1440, PSR1440/B, PSR14.4-2, PSR14.4/N, PSR14.4VE, PSR14.4VE-2, PSR14.4VE-2EB, PST14.4V	2 507 335 209, 2 607 335 146, 2 607 335 160, 2 607 335 173, 2 607 335 210, 2 607 335 245, 2 607 335 246, 2 607 335 248, 2 607 335 252, 2 610 995 883, BAT015, BH1454	NiCd	14.4V	2000mAh	RBT18
13618, 13618-2G, 15618, 1644, 1644-24, 1644B-24, 1644K, 1644K-24, 1646K, 1659K, 1659RK, 1662, 1662B, 1662K, 1662K-24, 1688K-24, 22618, 23618, 2607335687, 32618, 32618-2G, 32618-RT, 33618, 33618-2G, 3453, 3453-01, 35618, 3860CK, 3860CRK, 3860K, 3860RK, 3870, 3870-04, 3918, 3918B, 52318, 52318B, 53518, 53518B, GDR18V, GDS18V, GDS18V-HT, GHO18V, GKS18V, GLI18V, GSA18VE, GSB18VE-2, GSR18V, GSR18VE-2, GST18V, PSB18VE-2, PSR18-2, PSR18VE-2	2 607 335 264, 2 607 335 276, 2 607 335 385, 2 607 335 418, 2 607 335 432, 2 607 335 528, 2 607 335 533, 2 607 335 534, 2 607 335 678, 2 607 335 685, 2 607 335 686, 2 607 335 694, 2 610 909 013, BAT038, BAT040, BAT041, BAT140, BAT159	NiCd	14.4V	2400mAh	RBT21
17618, 25618, 3601H61S10, 37618, CCS180, CFL180, GDR18, GDS18.	2 607 335 266, 2 607 335 277, 2 607 335 278, 2 607 335 535, 2 607 335 536, 2 607 335 680, 2 607 335 688, 2 607 335 696, 2 607 335 735, 2 610 909 020, BAT025, BAT026, BAT160, BAT180, BAT181, BAT189	NiCd	18V	2000mAh	RBT22
GBH 24VR	2 607 336 091, 2 607 336 092, 2 607 336 170, BAT609, BAT618.	Lilon	18V	3000mAh	RBT148
11524, 12524, 12524-03, 125-2411524, 13624, 13624-2G, 1645, 1645-24, 1645B-24, 1645K-24, 1660, 1660B, 1660K-24, 3452, 3924, 3924-24, 3960, 52324, 52324B, BACCS24V, GBH24V, GBH24V/3B, GBH24VF, GBH24VF/3B, GCM24V, KGK24V, GKS24V, GLI24V, GMC24V, GML24V, GML24V-CD, GSA24V, GSA24VE, GSA24VEF, GSB24VE-2, GSB24VE-2/N, GSR24VE-2, GSR24VE-2/N, GST24V, GST24VH, PSB24VE-2	1 617 334 003, 2 617 334 003	NiCd	24V	1900mAh	RBT12
11222EUS, 11225VSR, 11225VSRH, GBH24VFR, GBH24VRE, PA6GF35	2 607 335 268, 2 607 335 280, 2 607 335 445, 2 607 335 446, 2 607 335 448, 2 607 335 510, 2 607 335 538, 2 607 335 561, 2 607 335 562, BAT030, BAT031, BAT240, BAT299	NiCd	24V	2000mAh	RBT23
061 1260 539, 11222EUS, 11225VSR, 11225VSRH, GBH24VFR, GBH24VRE, PA6GF35	2 607 335 082, 2 607 335 097, 2 607 335 098, 2 607 335 163, 2 607 335 216, BAT019, BAT020,	NiCd	24V	2500mAh	RBT121
11536C, 11536C-1, 11536C-2, 11536VSR, 1651K, 1671B, 1671K, 18636-01, 18636-02, 18636-03, 38636-01, GBH36VF-Li, GBH36V-Li, GKS36V-Li, GSA36V-Li, GSB36V-Li, GSR36V-Li, Rotak37LI, Rotak43LI	2 607 335 082, 2 607 335 097, 2 607 335 098, 2 607 335 216, BAT019, BAT020, BAT021	NiMH	24V	3000mAh	RBT15
	2 607 336 001, 2 607 336 002, 2 607 336 003, 2 607 336 004, 2 607 336 010, 2 607 336 107, 2 607 336 108, BAT810, BAT836, BAT840, D-70771	Lilon	36V	3000mAh	RBT110







## Tool & Drill Batteries

### Dewalt

Suit	Original Part No	Type	Volts	Power	Code
DW920K, DW920K-2, DW925K, DW925K-2, DW940K, DW968K, DW980K	DE9057, DE9085, DW9057	NiCd	7.2V	1900mAh	RBT27
DW902, DW911, DW913, DW926K, DW926K-2, DW955, DW955K, DW955K-2, DW967K	DE9061, DE9062, DE9501, DW9060, DW9061, DW9062	NiCd	9.6V	1900mAh	RBT28
DC528 (Flash Light), DC551KA, DC612KA, DC613KA, DC614KA, DC615KA, DC728KA, DC730KA, DC731KA, DC735KA, DC735KB, DC757KA, DC757KB, DC830KA, DC830KB, DC835KA, DC835KB, DC930KA, DC935KA, DC935KB, DC935VA, DC936KA, DC936VA, DC983KA, DC983SA, DC984KA, DC984KB, DC984VA, DC985KA, DC985VA, DCD920KX, DCD930KX, DCD930VX, DW054K-2, DW055K-2, DW906, DW911, DW918, DW928K, DW928K-2, DW931K, DW931K-2, DW935, DW935K, DW937, DW937K, DW941K, DW941K-2, DW954K-2, DW966, DW966K, DW966K-2, DW969K-2, DW983K, DW983K-2, DW984, DW984K-2, DW984KS-2, DW985, DW985K-2, DW985KV-2, DW990K-2, DW991B, DW991K-2, DW991KC-2, DW991KQ-2, DW991KS-2, DW992K-2, DW994KQ, DW996K-2, DW996KQ, DW996KV-2	DC9091, DE9038, DE9091, DE9092, DE9093, DE9094, DW9091, DW9091 XR, DW9094	NiCd	14.4V	2000mAh	RBT30
DC330, DC330K, DC330KA, DC330KB, DC330N, DC380KA, DC380KB, DC380N, DC385, DC385K, DC390, DC390K, DC390KA, DC390KB, DC390N, DC410, DC410KA, DC410KB, DC410N, DC490KA, DC515K, DC520KA, DC527, DC550, DC550KA, DC618, DC618KA, DC668KA, DC729KA, DC759, DC759KA, DC759KB, DC987, DC987KA, DC987KB, DC988, DC988KA, DC988KB, DC988VA, DC989KA, DC989VA, DC998KB, DW056, DW056K, DW056K-2, DW056N, DW057K, DW057K-2, DW057N, DW059, DW059K-2, DW073K, DW2PAK2, DW4KIT2, DW4KIT2XE, DW4MEGAXE, DW5KIT2, DW5KIT3XE, DW908, DW919, DW929K-2, DW932, DW932K, DW933, DW933K, DW933K-2, DW933K-XE, DW934, DW934K-2, DW936, DW936K, DW938, DW938K, DW938K-2, DW938K-XE, DW939K-XE, DW958K-2, DW959K-2, DW960, DW960K, DW960K-2, DW987, DW987K-2, DW987KQ, DW988, DW988K-2, DW988KCE, DW988KJ-2, DW988KQ, DW988KR-2, DW988KS-2, DW989, DW989K-2, DW995, DW995B, DW995K-2, DW997, DW997K-2, DW998K-2, DW998KW, DW999, DW999K, DW999K-2, DW999K2H, DW999KQ	DC9096, DC9099, DE9039, DE9095, DE9096, DE9098, DW9098, DW9095, DW9096, DW9096 XRP, DW9098, DW9095HC	NiCd	18V	2400mAh	RBT105
DC212, DC212KA, DC212KB, DC212N, DC213KB, DC330, DC330K, DC330KA, DC330KB, DC330N, DC380KA, DC380KB, DC380N, DC385, DC385K, DC390, DC390K, DC390KA, DC390KB, DC390N, DC410, DC410KA, DC410KB, DC410N, DC490KA, DC515K, DC520KA, DC527 (Flash Light), DC530KA, DC550, DC550KA, DC616K, DC618, DC618K, DC618KA, DC668KA, DC729KA, DC759, DC759KA, DC759KB, DC920KA, DC925, DC925KA, DC925KB, DC925VA, DC926KA, DC926VA, DC987, DC987KA, DC987KB, DC988, DC988KA, DC988KB, DC988VA, DC989KA, DC989VA, DC998KB, DW056, DW056K, DW056K-2, DW056N, DW057K, DW057K-2, DW057N, DW059, DW059K-2, DW073K, DW2PAK2, DW4KIT2, DW4KIT2XE, DW4MEGAXE, DW5KIT2, DW5KIT3XE, DW908, DW919, DW929K-2, DW932, DW932K, DW933, DW933K, DW933K-2, DW933K-XE, DW934, DW934K2, DW934K-2, DW934K2H, DW936, DW936K, DW938, DW938K, DW938K-2, DW938K-XE, DW939K-XE, DW958K-2, DW959K-2, DW960, DW960K, DW960K-2, DW987, DW987K-2, DW987KQ, DW988, DW988K-2, DW988KCE, DW988KJ-2, DW988KQ, DW988KR-2, DW988KS-2, DW989, DW989K-2, DW995, DW995B, DW995K-2, DW997, DW997K-2, DW998K-2, DW998KW, DW999, DW999K, DW999K-2, DW999K2H, DW999KQ	DC9096, DE9039, DE9095, DE9096, DE9098, DE9503, DW9095, DW9095 XR2, DW9096, DW9096 XRP, DW9098, DW9099	NiCd 18V NiMH 18V	2000mAh 3000mAh	RBT31 RBT32	
Dewalt DW073K, DW2, DW4, DW5, DW908, DW919, DW929K-2, DW932K, DW933, DW936, DW938, DW939, DW958, DW987, DW988, DW997K-2, DW998K-2, DW998KW, DW999K-2	DE9095, DE9096, DE9098	NiCd	24V	1900mAh	RBT103
DC222KA, DC222KB, DC223KA, DC223KB, DC224KA, DC224KB, DW004, DW004K, DW004K-2, DW004K2C, DW004K2H, DW005, DW005K-2, DW005K2C, DW005K2H, DW006K, DW006K-2, DW006K2XE, DW006KH, DW007, DW007C2, DW007K, DW007K-2, DW007KH, DW007K-XE, DW008K, DW008K-2, DW008KH, DW008KXE, DW017, DW017K2, DW017K2H, DW017N	DE0240, DE0240-XJ, DE0241, DE0242, DE0243, DE0243-XJ, DW0240, DW0242, DW0242 XRP	NiCd	24V	2400mAh	RBT26



### Festool

Suit	Original Part No	Type	Volts	Power	Code
TDD 9.6 series	BPH9.6T	NiCd	9.6V	2200mAh	RBT39
CDD 9.6 series	BPH9.6C	NiCd	9.6V	2500mAh	RBT38
TDD 12 series	BPH12T	NiCd	12V	1900mAh	RBT36
CDD 12 series	BPH12C	NiCd	12V	2500mAh	RBT35
CDD 12 series	BP12C	NiMH	12V	3000mAh	RBT33
C 12 series, TDK 12 series	BPS12S	NiCd	12V	2500mAh	BCF-BPS12SNICD
C 12 series, TDK 12 series	BPS12S	NiMH	12V	3000mAh	BCF-BPS12SNIMH
TDD 14.4 series	BPH14.4T	NiCd	14.4V	2200mAh	RBT37
TDK 15.6 series	BPS15.6S	NiCd	15.6V	2500mAh	BCF-BPS15,6SNICD
TDK 15.6 series	BPS15.6S	NiMH	15.6V	3000mAh	BCF-BPS15,6SNIMH
TDK 15.6 Series	BPS15.6S	NiCd	15.6V	2500mAh	RBT126





# Power & Lighting

## Tool & Drill Batteries

### Hitachi

Suit	Original Part No	Type	Volts	Power	Code
C5D, CD4D, CL10D2, CL13D, DB12DM2, DH15D2, DH15DV, DN12DY, DN12Y, DS10D, DS12D, DS13DV2, DV10DA, DV10DV, DW18D, FDS12DVA, FDS12DVC, FDV12DV, FWH12, P20DA, R9D, RB18D, UB12D, UB5D, WF4DY, WH12, WP12DA, WR12	EB12, EB1224, EB1226H, EB1230H, EB12, FEB12S EB1212, EB1214, EB1220, EB1222, EB1226, EB1230, EB1230, EB1233 2607335031, 2607335032, 2607335033, 2607335073, 2607335153	NiCd	12V	1900mAh	RBT45
		NiCd	12V	2500mAh	RBT106
		NiMH	12V	3000mAh	RBT113
CJ14DL, DH14DL, DH20DV, DS14, DV14, G14DL, UB18, WH14, WR14	EB 1412S, EB 1414, EB1414L, EB1414S, EB1420RS, EB 1424, EB1426H, EB1430H, EB1430R, EB14B, EB14H, EB14S, EB 18B	NiCd	14.4V	2500mAh	RBT46
		NiCd	14.4V	2500mAh	RBT122
		NiMH	14.4V	3000mAh	RBT114
C18, C6, CJ18, CR18, DH18, DS18, DV18, G18, KC18, RB18DL, UB18, WH18, WR18	BCL1830, EB1812S, EB1820, EB1826, EB18B, BCL1830, EB1812S, EB1814SL, EB1820, EB1824L, EB1826HL, EB1830HL, EB18B	NiCd	18V	2000mAh	RBT120
		NiCd	18V	2200mAh	RBT47
		NiCd	18V	2500mAh	RBT115
		NiMH	18V	3000mAh	RBT116
		Lilon	18V	3000mAh	RBT127
C7D, CR24DV, DH24DV, DH24DVA, DV24DV, DV 24DVKS, UB24D	EB2420, EB2430HA, EB2433X	NiCd	24V	2000mAh	RBT48
DH20DV, DH20DV2, WS20D	EB2430H, EB24B	NiCd	24V	2200mAh	RBT49
C7D, CR24DV, DH24DV, DH24DVA, DV24DV, DV 24DVKS, UB24D	EB2420, EB2430HA, EB2433X	NiMH	24V	3000mAh	RBT117
DH20DV, DH20DV2, WS20D	EB2430H, EB24B	NiMH	24V	3000mAh	RBT118
Hitachi D10D, D10DB, D10DC, DRC10	B2	NiCd	7.2V	1900mAh	RBT44
CK12D, CL10D, DN10D, DS90D, FCH30D2, FDS9DVA, UB12D, UB2D, UB3D, UB5D, UT6D, VH8DYA9.6V, WH8D, WH9DM, WR8DH, WR9DM	EB9, EB912S, EB914, EB914S, EB920H, EB920HS, EB924, EB926H, EB930H, EB933X, EB9B, EB9G, EB9H, EB9M, EB9S, FEB9S	NiCd	9.6V	1900mAh	RBT51

### Makita, Maktec

Suit	Original Part No	Type	Volts	Power	Code
3700D, 4071D, 4073D, 4307D, 4770D, 6002D, 6010D, 6012D, 6015D, 6016D, 6017D, 6018D, 6019D, 6022DW, 6071DW, 6072D, 6073D, 6075D, 6172D, 6710D, 6912D, 9035D, 9200D, 9500D, DA3000D, DA301D, DA302D, ML700, ML701, ML702, UH1070DW, UH3000D, UH3070DW, UM1000D, UM1070, UM1200, UM1270	191679-9, 192532-2, 192695-4, 632002-4, 632003-2, 7000, 7001, 7002, 7033, 7100, 7120, BL7010 LXT	NiCd	7.2V	1500mAh	RBT62
6010SD, 6070D, 6170D, M001	678037-1	NiCd	7.2V	1700mAh	RBT61
6076D, 6076DW, 6176D, 6176DW	678103-4	NiCd	7.2V	1700mAh	RBT125
4072D, 4072DW	678114-9, 678132-7, 678135-1	NiCd	7.2V	1700mAh	RBT131
3700D, 4071D, 4073D, 4307D, 4770D, 6002D, 6010D, 6012D, 6015D, 6016D, 6017D, 6018D, 6019D, 6022DW, 6071DW, 6072D, 6073D, 6075D, 6172D, 6710D, 6912D, 9035D, 9200D, 9500D, DA3000D, DA301D, DA302D, ML700, ML701, ML702, UH1070DW, UH3000D, UH3070DW, UM1000D, UM1070, UM1200, UM1270	191679-9, 192532-2, 192695-4, 632002-4, 632003-2, 7000, 7001, 7002, 7033, 7100, 7120, BL7010 LXT	NiCd	7.2V	2000mAh	RBT63
	BL7010 LXT	NiCd	7.2V	2400mAh	RBT64
903, 4093, 4190, 4300, 4390, 5090, 6012, 6092, 6093, 6094, 6095D, 6096, 6891, 6900, 6900, 8400, 8400, 8402, DA390, DA391, ML900, ML901, ML902, T220, UM1690D, UM1691D	191681-2, 192533-0, 192696-2, 632007-4, 9000, 9001, 9002, 9033, 9600	NiCd	9.6V	1500mAh	RBT65
6014, 6201, 6202, 6400, 6702, 6703, 6704, 6705, 6706, 6791, 6792, 6903, 6907, 6940, ML901, T1022, T221, T422	9034, 9050, 9100, 9101, 9102, 1920194, 1923215, 1925348, 1925356, 1931761, 1932199, 1935317, 1935367, 1936313, 1936363, 1937107, 1938909, 1944041, 192534A, 9100A, 9101A, 9102A, B9017A, BH9020, BH9033, PA09	NiCd	9.6V	2000mAh	RBT67
6203DWAE, 6204DWAE, 6207D, 6222D, 6226D, 6260D, 6261D, 6503D, 6903VD, 6907D, 6908D, 6909D, 6909DW, 6990D, 6991D, 6992D, BMR100, DA392D, ML903, MT060SK	192595-8, 192596-6, 192638-6, 192697-0, 193058-7, 193156-7, 193977-7, 638344-4-2, 9120, 9122, 9133, 9134, 9135, 9150, 9150	NiCd	9.6V	2000mAh	RBT69
903, 4093, 4190, 4300, 4390, 5090, 6012, 6092, 6093, 6094, 6095D, 6096, 6891, 6900, 6900, 8400, 8400, 8402, DA390, DA391, ML900, ML901, ML902, T220, UM1690D, UM1691D	191681-2, 192533-0, 192696-2, 632007-4, 9000, 9001, 9002, 9033, 9600	NiCd	9.6V	2400mAh	RBT66
6203DWAE, 6204DWAE, 6207D, 6222D, 6226D, 6260D, 6261D, 6503D, 6903VD, 6907D, 6908D, 6909D, 6909DW, 6990D, 6991D, 6992D, BMR100, DA392D, ML903, MT060SK	192595-8, 192596-6, 192638-6, 192697-0, 193058-7, 193156-7, 193977-7, 638344-4-2, 9120, 9122, 9133, 9134, 9135, 9150, 9150	NiMH	9.6V	3000mAh	RBT70
DF030, DF330, TD090	194550-6, 1945514, BL1013	Lilon	10.8V	1650mAh	RBT147
4191, 6211, 6212, 6311, 6312, 6831, 6911, 6913, 8411, 8412, HR160, SC130	1200, 1201, 1201A, 1202, 1202A, 192271-4, 192296-8, 192407-5, 192536-4, 192537-2	NiCd	12V	2000mAh	RBT52
1050, 4191, 4330, 4331, 5093, 6213, 6214, 6216, 6217, 6226, 6227, 6313, 6314, 6316, 6317, 6503, 6835, 6909, 6911, 6914, 6916, 6918, 6960, 8413, DA312, ML120, ML121, ML122, MT063, UB121DZ, UC120, VR250	1220, 1222, 1233, 1234, 1235, 1250, 192597-4, 192598-2, 192681-5, 192698-A, 193059-5, 193100-4, 193157-5	NiCd	12V	2400mAh	RBT54
		NiMH	12V	3000mAh	RBT55
1015D, 4033D, 4332D, 4333D, 5094D, 5630D, 6228DW, 6233D, 6236DE, 6237D, 6280D, 6281D, 6333D, 6336D, 6337D, 6339D, 6381D, 6932FD, 6933FD, 6934FD, 6935FD, 8280D, 8433D, 8434D, BMR100, JR140D, ML140, ML141, ML142, ML143, MT064SK, UB140D, UB141D,	1401, 1402, 1420, 1422, 1433, 1434, 1435, 1450, 1923443, 1926001, 1930600, 1930626, 1931012, 1931583, 1933527, 1933543, 1933551, 1937822, 1938161, 1939858, 1939921, 1941722, 1435F, 192699A, BH1420, BH1427, BH1433, BL1430, PA14	NiCd	14.4V	2400mAh	RBT56
		NiMH	14.4V	3000mAh	RBT57
BDA340, BDF343, BDF440, BFR440, BFS440, BHP440, BJV140, BPT350, BSS500, BTD130, BTL060, BTS130, BVR340, ...	194065-3, 194066-1, BL1430	Lilon	14.4V	3000mAh	RBT141





## □ Tool & Drill Batteries

### Makita, Maktec *Continued...*

Suit	Original Part No	Type	Volts	Power	Code
4334DW, 5026DW, 5036DW, 5046DW, 5062DW, 5620DW, 5621DW, 6343DW, 6347DW, 8443DW, DK1016DL, DK1021DL, DK1024D, DK1032DL, DK1033DL, DK1034D, JR140DWA, JR180D, LS711D, LS800DWB, ML180, MT065SK, SC19, SC190DWDE, UB181DE, UB181DZ	1820, 1822, 1823, 1833, 1834, 1835, 1835F, 1850, 192827-3, 1928299, 192929-9, 193061-8, 193102-0, 193140-2, 193159-1, 1937848, 1938187, 1941073, 1942053, 1943091, PA18, 1850	NiCd	18V	2000mAh	RBT58
		NiMH	18V	3000mAh	RBT59
BCS550, BDA350, BDF450, BDF451, BDF452, BDF453, BDF454, BFR550, BFR750, BFS450, BGA452, BHP450, BHP451, BHP452, BHP453, BHP454, BHR202, BHR240, BHR241, BJR181, BJR182, BJS130, BJV180, BML184, BML185, BPB180, BSS501, BSS610, BSS611, BST221, BTD140, BTD141, BTD144, BTDW251Z, BTL061, BTL063, BTP140, BTW251, BTW253, BTW450, BUB182, BVR350, BVR450, BVR850, DF454D, HP454D, HR202D, JR120D, LXT202, LXT400, LXT401, LXT402, LXT600, ML185, MR100, PB108D, TD140D, TW251D, VR850	194205-3, 194230-4, BL1815, BL1830	Lilon	18V	3000mAh	RBT142
BDF460, BHP460, BHR200, BJR240, BLS712, BLS820, BML240, BMR100, BSR730, BSS730, BTD200, BTW200, DK2401HF, DK2402HF, DK2403HF, DK2404HF, DK2405HF, TW200D	193127-4, 193128-2, 193130-5, 193131-3, 193736-9, 193737-7, 193739-3, 1937408, 2417, 2420, 2430, 2433, B2417, B2420, B2430, B2433, BH2420, BH2430, BH2433	NiMH	24V	3300mAh	RBT60

### Metabo

Suit	Original Part No	Type	Volts	Power	Code
BE AT7.2, HLA15	6.30069, 6.31677	NiCd	7.2V	1900mAh	RBT73
ABE9.6, BE A9.6, BE AT100, BE AT9.6, EA100, EA150, HLA15, SB A100/2, SR A60, ST EPA140, TA A19/60	13315449000, 6.3007, 6.30072, 6.31721	NiCd	9.6V	2200mAh	RBT71
6.02223.50, 6.02272.00, BS 9.6, BS 9.6 Impulse, BST 9.6, BST 9.6 Impulse, ULA 9.6-18	31 746 000, 6.31728, 6.31746, 6.31775	NiCd	9.6V	2500mAh	RBT75
BE A25, BE AT112, BE AT12, BH EA12, BH EA14, HLA15, HS A8043, SB EA112	13342619000, 6022524152, 6.30071, 6.30073, 6.31179, 6.31723	NiCd	12V	2200mAh	RBT72
6.02252.50, 6.02254.51, 6.02274.00, 6.02297.50, BS 12 Impulse, BS 12 Plus, BST 12 Impulse, BST 12 Plus, SB 12 Plus, SBT 12 Plus, ULA 9.6-18	31 747 000, 6.31729, 6.31747, 6.31748, 6.31776	NiCd	12V	2500mAh	RBT76
6.02260.00, 6.02276.51, 6.02293.50, 6.02307.51, BS 15.6 Plus, BST 15.6 Plus, SBT 15.6 Plus, ULA 9.6-18	6.31738, 6.31749, 6.31777	NiCd	15.6V	2500mAh	RBT77
6.02400.00, 6.02412.00, BS 18 Plus, BST 18 Plus, KSA 18, SBP 18 Plus, ULA 9.6-18	6.31739, 6.31740, 6.31857	NiMH	18V	3400mAh	RBT74

### Panasonic National

Suit	Original Part No	Type	Volts	Power	Code
EY3652, EY3652DA, EY3652DR, EY-503, EY503B, EY503BY, EY6220B, EY6220D, EY6220DR	EY9012B	NiCd	2.4V	2400mAh	RBT83
EZ-503	EZ902	NiCd	2.4V	2500mAh	RBT93
EY6225CQ	EY9025B	NiCd	3.6V	2500mAh	RBT84
EY3654CQ, EY3654FQW, EZ-562	EY9065, EY9066, EY9066B	NiCd	7.2V	2500mAh	RBT85
EZ-595	EZ907	NiCd	9.6V	2000mAh	RBT78
EY6181CQK, EY6181CRKW, EY6181EQKW, EY6188CRKW, EY6588CQ, EZ6181, EZ6481, EZ6482, EZ6482HKH, EZ6482HKH-B, EZ6482X, EZ6482X-B, EZ6581, EZ6582, EZ6582HKH, EZ6582X, EZ6582X-B, EZ6780, EZ6780X	EY9086, EY9086B, EY9182, EY9182B, EZ9086, EZ9182, EZ9183, EZ9186, EZ9187	NiCd	9.6V	2000mAh	RBT86
EZ-571	EY9080, EY9080B, EY9180, EY9180B, EY970B	NiCd	9.6V	2500mAh	RBT89
EY3502FQMKW, EY3503FQWKW, EY3550DQG, EY3790, EY3790B, EY3794B, EY6100FQKW, EY6101FQKW, EY6102CRKW, EY6105YQW, EY6405, EY6405FQKW, EY6406FQKW, EY6407NQKW, EY6409GQKW, EY6409NQKW, EY6409X, EY6506NQKW, EY6601BC, EY6803GQW, EY6902NQKW, EY6903GQKW, EY6903GQKW31, EY7201GQKW, EY7202GQW, EY7206GQW, EY7270GQW, EY7271GQW, EZ3500, EZ3500N22K, EZ3500X, EZ3501, EZ3502, EZ3502N22MK, EZ3502XM, EZ3503, EZ3503N22WK, EZ3503XW, EZ3560, EZ3561, EZ3561NK, EZ3561X, EZ3570, EZ3571, EZ3571N22K, EZ3571X, EZ3591, EZ3591N22K, EZ3591X, EZ3790, EZ3791, EZ3792, EZ3794, EZ3901, EZ3902, EZ3902N22K, EZ6101, EZ6200, EZ6201, EZ6207, EZ6307, EZ6401, EZ6402, EZ6402H, EZ6402HKH, EZ6402N, EZ6402NKN, EZ6402X, EZ6403, EZ6404, EZ6404X, EZ6470, EZ6470NKN, EZ6470X, EZ6501, EZ6502, EZ6502X, EZ6503, EZ6503X, EZ6504, EZ6505, EZ6505N22KN, EZ6506, EZ6506NKN, EZ6506X, EZ6507, EZ6507N22KN, EZ6507X, EZ6508, EZ6508N, EZ6508NKN, EZ6508X, EZ6600, EZ6601, EZ6602, EZ6603, EZ6604, EZ6605, EZ6605N22KN, EZ6605X, EZ6606, EZ6607, EZ6609, EZ6700, EZ6701, EZ6705, EZ6802, EZ6802N22K, EZ6802X, EZ6803, EZ6803N2K, EZ6803NKN, EZ6803X, EZ6901, EZ6902, EZ6902N22K, EZ6902X, EZ7000, EZ7000N22PK, EZ7000P, EZ7000X, EZ7200, EZ7200NKN, EZ7200X, EZ7201, EZ7201NKN, EZ7201X, EZ7202, EZ7202NKN, EZ7202X, EZ7203, EZ7203NK, EZ7203X, EZ7205, EZ7205NKN-B, EZ7205X-B, EZ7270, EZ7270NKN, EZ7270X, EZ7271, EZ7271NKN, EZ7271X, EZ7300, EZ7301, EZ7301N22PK, EZ7301P	EY9001, EY9005B, EY9006, EY9006B, EY9101, EY9103, EY9106, EY9106B, EY9107, EY9108, EY9200, EY9200B, EY9201, EY9201B, EZ9001, EZ9006, EZ9101, EZ9102, EZ9106, EZ9107, EZ9108, EZ9200	NiCd	12V	2400mAh	RBT87
		NiMH	12V	3000mAh	RBT90



**E.O.E.** Errors and Omissions Excepted. All information contained herein is assumed to be accurate, however no responsibility can be taken by WES Components A/Asia for its use, for any damage caused by incorrect selection and installation, nor for any infringements of patents or other rights of third parties.





# Power & Lighting

## □ Tool & Drill Batteries

### Panasonic National *Continued...*

Suit	Original Part No	Type	Volts	Power	Code
EY3740B, EY4542XM, EY4640X, EY7440LN2S, EY7440LZ2S, EY7540LN2S, EY7541LZ2S, EY7542LZ2S, EY7840LZ2S, EZ3740, EZ7440, EZ7440LN2S, EZ7440LN2S-B, EZ7440X, EZ7440X-B, EZ7540, EZ7540LN2S, EZ7540LN2S-B, EZ7540X, EZ7540X-B, EZ7541, EZ7541LN2S-B, EZ7541X-B, EZ7544, EZ7544LN2S-B, EZ7544X-B	EY9L40B, EY9L41B, EZ9L40	Lilon	14.4V	3000mAh	RBT128
EY3530FQMKW, EY3530NQMKW, EY3531FQWKW, EY3531NQKW, EY3793B, EY6230FQKW, EY6230NQKW, EY6431FQKW, EY6431NQKW, EY6432FQKW, EY6432GQKW, EY6432NQKW, EY6535NQKW, EY6930FQKW, EY6930NQKW, EY6932GQKW, EYC132, EYC133, EYC135NQKW, EYC138NQKW, EZ3530, EZ3530XM, EZ6230, EZ6230N22K, EZ6230X, EZ6631, EZ6631N22K, EZ6631X, EZ6930, EZ6931, EZ6931N22K, EZ6931X	EY9136, EY9136B, EY9137, EY9230, EY9230B, EY9231, EY9231B, EZ9136, EZ9137	NiCd NiMH	15.6V 15.6V	1900mAh 3000mAh	RBT88 RBT92
EY3544, EY3544GQK, EY3551GQ, EY3552GQW, EY3796B, EY6450GQKW, EY6950GQKW, EY9251B, EYC151CQW, EYC155GQW, EYC156GCW, EYC485GQW	EY9251, EY9251B	NiMH	18V	3000mAh	RBT136
EY6812NQKW, EY6812NQRW, EY6812VQKW, EY6813NQKW	EY9116B, EY9117, EY9117B, EY9210, EY9210B	NiMH	24V	3000mAh	RBT91

### Paslode

Suit	Original Part No	Type	Volts	Power	Code
Impulse IM200, Impulse IM300, Impulse IM325, Trimpulse 404400, 900420, 900600, 901000, B20720, IM200F18, IM200-F18, IM250-A, IM250-F16II, IM250-Q, IM65A, IM-CT	402500	NiCd	6V	1500mAh	RBT79
	404717, B20544E, BCPAS-404717SH	NiCd	6V	1500mAh	RBT81
		NiCd	6V	2000mAh	RBT82

### Ramset ITW

Suit	Original Part No	Type	Volts	Power	Code
Red Head TF1100, TF1100, Track Fast TF1100	7505012	NiCd	6V	1500mAh	RBT79
CSD12C, SBD12	2 607 335 185, 2 607 335 186, PTUB17	NiCd	12V	2000mAh	RBT17
CSD12	2 607 355 014, 2 607 355 021, 2 607 355 180, Skill-92931	NiCd	12V	2500mAh	RBT14
Dyna 324	1 617 334 003	NiCd	24V	1900mAh	RBT12
DD524, PA6GF35	2 607 335 163, D524BP17, DD524BP30	NiCd	24V	2500mAh	RBT121
DD524, PA6GF35	2 607 335 163, D524BP17, DD524BP30	NiMH	24V	3000mAh	RBT15

### Ryobi

Suit	Original Part No	Type	Volts	Power	Code
HP1201MK2, HP61K, HP721, HP721K, RY721, RY721K2	1311145, 1400668	NiCd	7.2V	1500mAh	RBT97
HBD750R	1700672	NiCd	7.2V	1700mAh	RBT100
BD102CR, HBD72TR	B72A	NiCd	7.2V	2200mAh	RBT101
CTH-962, CTH-962K, HP961, RY961	1400651, 1400669	NiCd	9.6V	1500mAh	RBT95
BID-1211, CCD-1201, CHD-1201, CHD-1202, CTH-1201, CTH-1202, CTH-1202K2, FL1200, HP1201, HP1201MK2, R10510, R10511, RY1201, TDS4000, TF1100, TFD220	1311163, 1400652, 1400652B, 1400670	NiCd	12V	1500mAh	RBT96
RBT120A, RBT150R	0859-1008	SLA	12V	8000mAh	RBT94
CID-1442P, CTH-1442, CTH-1442K2, FL1400, HP1441, HP1441M, HP1441MK2, HP1442M, HP1442MK2, HP7200K2, HP7200MK2, HP7200NK2, R10520, R10521, RY1420, RY62, RY6200, RY6201, RY6202	130111073, 130224010, 130224011, 130281002, 1311166, 1314702, 1400144, 1400655, 1400656, 1400669, 1400670, 1400671, 4400011	SLA NiCd	12V 14.4V	8000mAh 2000mAh	RBT94 RBT98
CDL-1802P, CID-1802P, CS1800, CTH-1802, CTH-1802K, FL1800, HBD750R, HD1800M, HP1802M, MS180, MS181, R10530, R10531, R10630, R10631, R10632, R1073K2, RJC180, RJC181, SPC18, SS180, VC180	1301099021, 130224007, 130256001, 1310918, 1322401, 1322705, 1323303, 1400672, B-1815-S, BCHI-18	NiCd	18V	1500mAh	RBT135
BID-1801M, BID-180L, CAD-180L, CAG-180M, CAP-1801M, CCC-1801M, CCC-180L, CCD-1801, CCG-1801M, CCG-180L, CCS-1801D, CCS-1801L, CCS-1801M, CCW-180L, CDC-181M, CDD-182L, CDI-1802, CDI-1802M, CDI-1803, CDI-1803M, CFA-180M, CFL-180L, CFP-180FM, CFP-180L, CFP-180S, CFP-180SM, CHI-1802M, CHP-1802M, CHV-180L, CHV-18WDM, CID-1802M, CID-1803L, CID-1803M, CID-182L, CID-183L, CJS-180L, CJS-180LM, CJSP-1801QEOM, CJSP-180QEOM, CJSP-180QEOM, CMD-1802, CMD-1802M, CMI-1802, CMI-1802D, CMI-1802M, CNS-1801M, CNS-180L, CP-180M, CPD-1800, CPL-1800, CPL-180L, CPL-180M, CRA-180M, CRO-180M, CRP-1801, CRP-1801D, CRP-1801M, CRS-180L, CSL-180L, CSS-1801M, CSS-180L, CST-180M, CTR-180L, CW-1800, P200, P210, P2100, P211, P220, P230, P240, P2400, P2500, P2600, P300, P301, P310, P3200, P3300, P400, P410, P420, P430, P500, P501, P510, P520, P521, P530, P540, P600, P610, P700, P710, P730, P740	130224028, 130240011, 130255004, ABP1801, ABP1802, ABP1803, ABP1804, BPL1820, BPP-1813, BPP-1817, BPP-1817/2, BPP-1817M, BPP-1820, P100	NiCd	18V	2000mAh	RBT99



### Skil

Suit	Original Part No	Type	Volts	Power	Code
3000VSRK, 3100, 3100K, 3105, 3105K, 3109K, 3110, 3110K, 3110VSRK, 3220, B2100, B2109, B2109K, B2110, B2220	2 607 355 037/072/152	NiCd	9.6V	2400mAh	RBT16
2375, 2375-04	92955	NiCd	9.6V	2500mAh	RBT24
HD3736	92931	NiCd	12V	2500mAh	RBT14





## □ Tool & Drill Batteries

### UNIVERSAL POWER TOOL BATTERY CHARGING SYSTEM

#### UNIVERSAL POWER TOOL BATTERY CHARGER WITH INTERCHANGEABLE ADAPTOR PLATES. SUITS 7.2V-18V NiCd, NiMH & Lilon.

Resellers can now save on outlay costs:

The ACMTE Charging System allows a store to stock the one type of charger unit, and then offer a number of adaptor plates.

Your store now provides a wide range of charging solutions to suit today's most popular power tool brands.

The charger base is an intelligent smart charger that automatically adapts to suit the type and voltage of the battery attached so as to rapidly and safely recharge an extensive range of units.

The current adaptor plate range features 18 popular models and this range will continue to expand as new models are developed.

As a bonus, two handy USB outputs are available for powering and charging today's many USB devices including iPhone® and Android.

Multi-colour LED for direct battery status indication.

100-240VAC input

SAA approved power cable included

Battery Port: 7.2V-18VDC 1A to 3A Max.

USB 2 ports: 5VDC 2.1A max. each

Includes USB to Micro-USB Lead

Short circuit protection.

Reverse polarity protection

Over temperature protection.

Max 2.5 hour charging limit protection.

Low voltage change safety protection.



SHOWN WITH AN OPTIONAL ADAPTOR PLATE

#### CHARGER BASE (ONLY) - Requires Adaptor Plate

Type	Description	Code
Charger base	Requires Adaptor Plate ATP	ACMTE



SELECT ADAPTOR PLATE TO SUIT YOUR BATTERY  
BATTERIES & ADAPTOR PLATES SOLD SEPARATELY

#### ADAPTOR PLATES AVAILABLE

Brand	Voltage	Battery	Type	Code
AEG	12V	Lilon	Adaptor plate	ATP2215
B&D Dewalt	7.2V - 18V	NiCd / NiMH	Adaptor plate	ATP9096
B&D	12V	Lilon	Adaptor plate	ATP1310
B&D	12V - 18V	NiCd / NiMH	Adaptor plate	ATP981
Bosch	7.2V - 14.4V	NiCd / NiMH	Adaptor plate	ATP140
Bosch	7.2V - 18V	NiCd / NiMH	Adaptor plate	ATP040
Bosch	10.8V	Lilon	Adaptor plate	ATP7074
Hitachi	14.4V	Lilon	Adaptor plate	ATP1230
Hitachi	18V	Lilon	Adaptor plate	ATP1832
Makita	7.2V	Lilon	Adaptor plate	ATP7010
Makita	7.2V - 18V	NiCd / NiMH	Adaptor plate	ATP1833
Makita	10.8V	Lilon	Adaptor plate	ATP1013
Makita	14.4V	Lilon	Adaptor plate	ATP1430
Makita	18V	Lilon	Adaptor plate	ATP830
Milwaukee	12V	Lilon	Adaptor plate	ATP1288
Milwaukee	12V - 18V	NiCd / NiMH	Adaptor plate	ATP2230
Panasonic	7.2V - 18V	NiCd / NiMH	Adaptor plate	ATP9067
Ryobi	7.2V	NiCd / NiMH	Adaptor plate	ATP1815







# Power & Lighting

□ Power 240VAC

□ UPS Powerware Eaton

## EATON 3S UPS POWER BOARD

### COMPACT FOR HOME AND OFFICE SOLUTION 550VA - 700VA

The Eaton 3S offers affordable and reliable UPS protection against the most common power quality problems for office and home computers. In the event of a power outage, the unit can provide sufficient battery backup time for you to backup your important data and shut down safely. HID-compliant USB port for automatic integration with most common operating systems to shut down the PC automatically if you are absent. This UPS is compatible with Windows®, Linux, Mac® OSX. As a bonus feature, Eaton helps save you power by automatically switching off slave sockets (eg. a printer or other peripheral) when a device in the Master socket is switched off (eg. your computer).

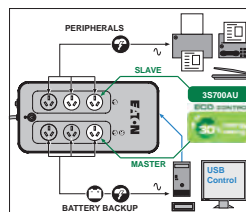
- Attractive compact powerboard design makes the 3S a perfect fit for the office or home environment, under the desk or on the wall
- The 3S comes with a 10A thermal fuse protected 240Vac input and 6x standard AC power outlets for easy connection of typical computer configurations with peripherals, etc.
- HID-compliant USB port (cable supplied), for automatic integration with common operating systems (Windows®/Mac® OS/Linux)
- RJ45 In/out line for protection from "back door" power surges
- 3 Outlets with SP & battery backup. 3 Outlets with surge protection.
- 1 Master & 2 slave sockets for bonus EcoControl feature (3S700AU)
- Easy-to-replace battery helps to extend UPS service life

Power	Watt	50% Load	70% Load	Size	Weight	Feature	Code
500VA	330W	8 min	6 min	86x170x335mm	2.9Kg	-	3S550AU
750VA	420W	9 min	6 min	86x170x335mm	3.8Kg	EcoControl	3S700AU



**EATON**  
Powering Business Worldwide

**ECO CONTROL**  
up to 30% energy saving



## EATON 5S UPS COMPACT

### AFFORDABLE POWER PROTECTION FOR WORKSTATIONS AND OTHER ELECTRICAL EQUIPMENT 550VA - 1600VA

The Eaton 5S UPS provides cost-effective line-interactive backup power and voltage regulation for small and medium businesses with workstations, desktop PCs, telephone equipment and POS applications. With a compact form factor, the 5S UPS can physically fit most situations. Regular automatic battery checks assures confidence in future operation. The Eaton 5S UPS provides effective power protection even in disturbed electrical environments. Voltage fluctuations are automatically corrected using an AVR device with booster/fader control. The 5S not only provides a supply with battery backup to keep equipment operating during power cuts, but also provides effective protection against rapid spikes, damaging surges and brown-out voltage drops. Inbuilt RJ45 surge arrester for phone or internet/ethernet protection. Optional LCD display. Optional Eco-Control feature.

- Software Power Management: Ensure safe system shutdown with the Eaton UPS Companion software for when you are absent (Windows®, Macintosh® and Linux compatible)
- Convenient form factor: Fit the 5S easily into tight spaces with its compact size. Use as a tower or as a desktop monitor stand
- Provide surge protection for network, phone, etc. (RJ45)
- Battery health check: Schedule daily, weekly or monthly health checks to verify battery performance and ensure that it delivers power during the next outage for your personal assurance
- LCD display: UPS status information including battery time and outage tracking (Models 5S1200AU & 5S1600AU Only)
- Eco-Control: Save up to 30 percent on energy consumption shuts down peripherals when the computer is turned off. Feature is menu selectable. 5S1200AU & 5S1600AU Only
- 3 AC Outlets for Battery backup. 1 AC Outlet not backup
- All outlets are surge protected. 10A Thermal resettable fuse
- Easy-to-replace battery helps to extend UPS service life



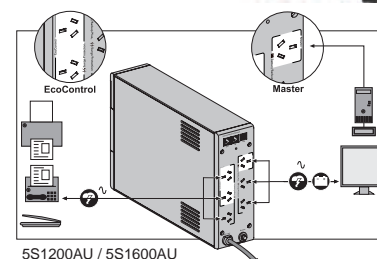
**EATON**  
Powering Business Worldwide

**5S1200AU  
5S1600AU**  
**ECO CONTROL**  
up to 30% energy saving

AVR  
% Min  
Hz  
kVA  
kW

**BATTERY ACCESS**

Power	Watt	50% Load	70% Load	Display	Feature	Size	Weight	Code
550VA	330W	10 min	6 min	Power LED	-	250x87x260mm	4.96kg	5S550AU
700VA	420W	9 min	5 min	Power LED	-	250x87x260mm	5.98kg	5S700AU
1200VA	750W	14 min	8 min	LCD	EcoControl	250x87x382mm	9.48kg	5S1200AU
1600VA	1000W	11 min	8 min	LCD	EcoControl	250x87x382mm	11.08Kg	5S1600AU



5S1200AU / 5S1600AU



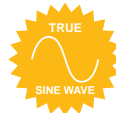


## EATON 5SC UPS PRO GRADE

### AFFORDABLE AND RELIABLE SOLUTIONS FOR SERVER PROTECTION 500VA - 1500VA

Eaton 5SC UPS provides line-interactive, affordable and reliable protection for small business servers. It includes an LCD interface for real-time status and measurements, and provides sinewave output for compatibility with today's most sensitive IT equipment.

- LCD interface shows clearly key status information
- AVR: Automatic Voltage Regulation with Booster & Fader
- Pure Sinewave output in battery mode for clean AC supply
- (compatible with modern Server power supply, Active PFC)
- Adjustable input waveform sensitivity to adapt the UPS to a specific environment (like Genset, Power Generator)
- Multiple parameters adjustable directly via menu LCD and more through the included Eaton power control software (overload alarm, energy saving, restart battery level, etc.)
- 1 Serial port + 1 USB port (HID compliant) for automatic integration into major OS (Windows®/MacOS®/Linux)
- Reliable, long-lasting UPS with patented Advanced Battery Management (ABM®) technology that only recharges the battery when necessary, service life is prolonged by up to 50%
- Replaceable battery from front panel for rapid maintenance
- Eaton Intelligent Power Protector (IPP) delivered as standard, can be used as point to point power management (USB/ Serial) or Network based using IPP as a proxy.
- Small size (mini-tower) for easy integration even with space constraints (kiosks, ATM, ticket machines, etc.)



Power	Watt	50% Load	70% Load	Input	Outlet	Size	Weight	Code
500VA	350W	13 min	9 min	1xC14	4xC13	150x240x210mm	6.6kg	5SC500I
750VA	525W	13 min	9 min	1xC14	6xC13	150x340x210mm	10.4kg	5SC750I
1000VA	700W	13 min	9 min	1xC14	8xC13	150x340x210mm	11.1kg	5SC1000I
1500VA	1050W	13 min	9 min	1xC14	8xC13	150x410x210mm	15.2kg	5SC1500I



REPLACEABLE BATTERY

## EATON 5P UPS RACKMOUNT 1RU

### ADVANCED POWER MANAGEMENT & PROTECTION FOR SERVERS AND NETWORK EQUIPMENT 850VA - 1150VA

The Eaton 5P is a Line interactive, density optimised power protection for the IT & Telecom environment. Advanced power management capabilities offering point-to-point and remote network supervision.

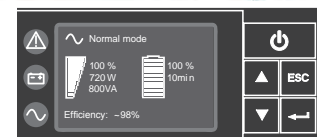
- The graphical LCD display provides clear information on the UPS's status and measurements on a single screen (in seven languages). Enhanced configuration capabilities are also available with easy-to-use navigation keys.
- Meters energy consumption and provides kWh values through the LCD and Intelligent Power® Software.
- Load segment control enables prioritised shutdowns of nonessential equipment to maximise battery runtime for critical devices. Load segment control can also be used to remotely reboot locked-up network equipment or to manage scheduled shutdowns and sequential start-ups.
- The 5P offers Serial and USB connectivity, plus an extra slot for an optional communication card (including SNMP/Web card or relay contact card).
- Eaton's Intelligent Power® Software Suite compatible with all major OS including virtualisation software such as VMware and Hyper-V is included with each UPS.
- With an optimised electrical design, the 5P can provide up to 98% efficiency, contributing to lower cooling and utility costs, prolonging service life reliability.
- When operating in battery mode the 5P provides a high quality output pure sinewave for sensitive equipment, such as active PFC (power factor corrected) servers
- 1RU Rack mount form factor with front battery access for easy maintenance
- Batteries can be hot-swapped without having to shut down connected equipment
- Eaton ABM® battery management technology uses an innovative three-stage charging technique that only recharges the battery when necessary, so the battery experiences less corrosion and service life is prolonged by up to 50%
- Two (or three) Battery Backup protected IEC Outlets
- Two (or three) APM remotely switchable IEC Outlets



REPLACEABLE BATTERY



Power	Watt	50% Load	70% Load	Input	Outlet	Size	Weight	Code
850VA	600W	12 min	7.5 min	1x C14	4x C13	438x509x43mm (1RU)	13.8kg	5P850IR
1150VA	770W	12 min	7.5 min	1x C14	6x C13	438x509x43mm (1RU)	14.5kg	5P1150IR







## □ Delta UPS

### VX SERIES SINGLE PHASE LINE INTERACTIVE UPS TOWER

The VX series line-interactive UPS designed with microprocessor control offers reliable and cost-effective power protection for PCs, laptops, POS, and other sensitive electronics used in home offices and small businesses. The integrated Automatic Voltage Regulation (AVR) ensures all electronics are receiving stable power while providing higher availability. It also includes a LED/ LCD display, auto-shutdown software and other superior features to make these units perfect for your data protection.

- The integrated AVR (Automatic Voltage Regulation) stabilizes the output voltage for better power quality.
- Excellent microprocessor control enables accurate detection of power frequency for higher reliability.
- Wide input voltage range allows the UPS to work in harsh electrical environments and reduces battery discharging time.
- Batteries are automatically recharged even when the UPS is in off mode
- The UPS can start without mains (Cold-Start).
- UPS is able to restart automatically while utility power is recovering.
- Surge protection defends your critical load against damage.
- 4x standard IEC C13 output sockets simplify the connectivity to computer and IT.
- 1x Standard USB communication port enhances monitoring and manageability.
- Advanced UPS management software provides remote shutdown and control.
- Compact size saves more space for critical equipment.
- Touch screen LCD for a clear display of UPS information.



DUPA601

DUA102/ 152



DUPA601

DUA102

DUA152

Capacity	Power	Time	Battery	Size	Weight	Code
600VA	360W	5min (Half load), 1 second (Full load)	12V7Ah x1	101x279x142mm	4.2kg	DUPA601
1000VA	600W	5min (Half load), 30 seconds (Full load)	12V7Ah x2	130x320x182mm	8.2kg	DUA102
1500VA	900W	5min (Half load), 50 seconds (Full load)	12V7Ah x2	130x320x182mm	9.7kg	DUA152



### N SERIES SINGLE PHASE ONLINE UPS TOWER

The Amplon N series is a true on-line, double-conversion UPS housed in a compact tower. It is designed to eliminate disturbances and supply superior power quality to workstations, POSs, ATMs or home appliances. The Amplon N series has inbuilt batteries to provide continuous and stable power to critical loads when power events occur. For longer backup time requirements you can add an external battery pack to enhance availability.

- Double-conversion technology provides 24/7 full-time protection
- Inbuilt batteries for basic runtime demand
- Battery-start capability without utility power
- Automatic bypass ensures continuous output power when fault occurs
- Automatic input frequency detection
- Optional external battery pack for longer backup time
- SNMP slot for mission critical applications
- RS232 port with power management software
- Wide input voltage range reduces battery discharging occurrence and prolongs battery lifetime
- Intelligent management prevents battery from over-discharge
- Standard IEC C13 output sockets to connect to computer and IT peripherals (4x for 1kVA model, 8x for 2kVA and 3kVA model)



DGES102

DGES202/302

Capacity	Power	Time	Battery	Size	Weight	Code
1000VA	700W	14min (Half load), 5min (Full load)	12V7Ah x3	140x366x242mm	14kg	DGES102
2000VA	1400W	14min (Half load), 5min (Full load)	12V7Ah x6	140x425x373mm	30.5kg	DGES202
3000VA	2100W	14min (Half load), 5min (Full load)	12V7Ah x6	140x425x373mm	30.5kg	DGES302

### SNMP IPv6 CARD

#### SUITS N & M & RT SERIES

- 1x 10/100M RJ45 connector
- SNMP v1/v3 protocol support; accepts NMS monitoring as well as actively sends Trap packets to target hosts.
- Monitor and set up through network browser with built-in web server.
- Telnet, SSH, FTP, SFTP, BOOTP, DHCP, SMTP, SNTP and RADIUS, Syslog.
- Supports RFC1628 and custom defined UPS v4 MIB.
- Can set up UPS power on and off time.
- Battery discharge test to ensure the battery is in good condition.
- Size: 130x60mm

Code  
DSNMP







## M SERIES SINGLE PHASE LINE INTERACTIVE UPS RACK/TOWER

The Amplon M Series UPS is a single-phase line interactive UPS that provides sine-wave quality, flexibility and high availability to its users. The series is a popular choice as a server UPS for small and medium-sized businesses. With available power ratings of 1kVA, 1.5kVA, 2 kVA, and 3kVA, the Amplon M Series UPS is designed for a wide range of input voltages. At any size, the UPSs can be counted on to safeguard data from potential problems related to power, from brief blackouts to full power failures.



- 8x C13 outputs and 2kVA and 3kVA models also have 1x C19 output.
- >4 minutes (full load) and >10 minutes (half load).
- Hot swappable battery pack for easy maintenance.
- Automatic voltage regulator (AVR) delivers stable output voltage.
- Battery starts when utility power is not present.
- Self test for battery replacement warning.
- Rack or tower configuration in 2U size cabinet.
- Optional external battery pack (applicable for 3kVA model) for extendable backup time.
- Communication slot for various smart cards to support various applications.
- Intelligent management software connectivity via RS232 or USB port.
- High output power factor 0.9 provides more real power to critical loads.
- High efficiency online mode can reach at minimum 97% and 96% for 1/1.5kVA and 2/3kVA respectively supporting operating cost savings.
- Automatic fan-speed control function lowers noise and prolongs fan life under different operation modes with lower speed.



DGES102M/152M



DGES202M/302M

Capacity	Power	Time	Battery	Size	Weight	Code
1000VA	1000W	10min (Half load), 4min (Full load)	12V7Ah x3pcs battery	440x429x88.5mm	18.5kg	DGES102M
1500VA	1500W	10min (Half load), 4min (Full load)	12V9Ah x3pcs battery	440x429x88.5mm	19.2kg	DGES152M
2000VA	1800W	10min (Half load), 4min (Full load)	12V7Ah x6pcs battery	440x608x88.5mm	33kg	DGES202M
3000VA	2700W	10min (Half load), 4min (Full load)	12V9Ah x6pcs battery	440x608x88.5mm	34.7kg	DGES302M

## RT SERIES SINGLE PHASE ONLINE UPS RACK/TOWER

The Amplon RT 1-3kVA series is an online double-conversion UPS providing consistent sine-wave power to your critical equipment. It supports personal computers, networks, servers, VoIP and telecommunications. The Amplon RT 1-3kVA series features an output power factor of 0.9 and best-in-class AC-AC efficiency up to 94% resulting in greater energy savings. Optional external battery pack can be connected for longer backup time to keep your applications safe and running smoothly at all times.



- True online double-conversion topology and zero transfer time to battery
- Watch-dog design of DSP (Digital Signal Processor) increases reliability.
- Cold-start capability provides temporary battery power when the utility power is out.
- Fan failure detection alerts users to failed fans.
- Hot swappable batteries ensure continuous operation when batteries are being replaced.
- Optional external battery pack for easy scaling of longer backup time.
- High output power factor 0.9 provides more real power to critical loads.
- High input power factor (pf > 0.9) and low harmonic distortion (iTHD < 5%) save upstream investment.
- Up to 94% AC-AC efficiency and 97% efficiency in ECO mode result in marked energy cost savings.
- Wide input voltage range reduces the chance of using the battery and extends battery life.
- Intelligent battery management sustains battery life and performance.
- Fan speed control by load level maximizes efficiency and reduces audible noise.
- Load segment control allows less-critical loads to be disconnected during blackouts and saves battery runtime for important loads.
- Convertible rack and tower configuration in 2U size cabinet.
- Excellent local communications through rotatable LCD display.
- Intelligent management software connectivity via RS232 or USB port.



Capacity	Power	Time	Battery	Size	Weight	Code
1kV	0.9kW	12min (Half load), 6.5min (Full load)	2x 12V/9Ah VRLA	440x335x89mm	12kg	DUPS2R102
2kV	1.8kW	14min (Half load), 7.5min (Full load)	4x 12V/9Ah VRLA	440x432x89mm	18kg	DUPS2R202
3kV	2.7kW	14min (Half load), 7.5min (Full load)	6x 12V/9Ah VRLA	440x432x89mm	28kg	DUPS2R302

## ADDITIONAL 2U EXTERNAL BATTERY MODULE

This battery module is designed for use with Delta Amplon RT series UPS as an external battery for longer battery life. Includes housing with metal frame and plastic front panel and batteries.

Battery	Capacity	Size	Weight	Suit	Code
2x 12V/9Ah VRLA	1000VA	440x335x89mm	15kg	DUPS2R102	DGES022
4x 12V/9Ah VRLA	2000VA	440x432x89mm	27kg	DUPS2R202	DGES042
6x 12V/9Ah VRLA	3000VA	440x432x89mm	44kg	DUPS2R302	DGES062



## OPTIONAL UPS RACK SLIDING RAIL KIT

Delta UPS rack sliding rail kit for RT series Suitable for standard 19" server cabinet

Code  
DRAIL



## OPTIONAL SNMP IPv6 CARD

Code  
DSNMP







# Power & Lighting

## UPS PowerShield

### UPS POWERSHIELD

#### AUSTRALIAN DESIGNED FOR AUSTRALIAN CONDITIONS

A key challenge in the 21st century is the distribution and conservation of power. A challenge brought on by the increasing electrical requirements of sophisticated systems as those used in data centres, security, telecommunications, your business. This increasing demand puts undue strain on the electrical grid to maintain supply. This can lead to surges and spikes on the line, brownouts, power sags, line noise, harmonic distortions, frequency drift and even total power failure. Such problems can prove to be debilitating to businesses. PowerShield is the Australian company which understands Australia's power problems and has been instrumental in solving them for thousands of businesses since its inception in the year 2000.



Model	Feature	Capacity	Power	Time	Battery	Switch	Size	Weight	Code
VoltGuard	Voltage Regulator AVR	1500VA	750W	N/A	N/A	N/A	180x95x119mm	2.0Kg	PSVG1500
SafeGuard	Line Interactive AVR	750VA	450W	2.5min/450W	12V 9AH	6ms	200x290x90mm	7.0Kg	PSG750
Defender	Line Interactive AVR	650VA	390W	6min/200W	12V 9AH	2-6ms	328x100x145mm	5.2kg	PSD650
Defender	Line Interactive AVR	1200VA	720W	13min/360W	12V 7AH x2	2-6ms	400x145x205mm	11.1Kg	PSD1200
Defender	Line Interactive AVR	1600VA	960W	10min/480W	12V 9AH x2	2-6ms	400x145x205mm	11.5Kg	PSD1600
Commander	Pure Sine wave AVR	1000VA	600W	14min/300W	12V 7.2AH x2	3ms	380x200x180mm	16Kg	PSC1000
Commander	Pure Sine wave AVR	2000VA	1200W	14min/600W	12V 7.2AH x4	3ms	510x200x180mm	26Kg	PSC2000
Commander RT	Pure Sine wave AVR	1100VA	880W	15min/400W	12V 9AH x2	2-6ms	380x438x88mm	16Kg	PSCRT1100
Commander RT	Pure Sine wave AVR	2000VA	1600W	17min/800W	12V 9AH x4	2-6ms	380x438x88mm	25Kg	PSCRT2000
Commander RT	Pure Sine wave AVR	3000VA	2400W	16min/1200W	12V 9AH x6	2-6ms	600x438x88mm	35Kg	PSCRT3000
Centurion	Double Conversion	1000VA	800W	25min/400W	12V 9AH x3	4ms	396x145x240mm	14Kg	PSCE1000
Centurion	Double Conversion	2000VA	1600W	25min/800W	12V 9AH x6	4ms	425x190x335mm	26Kg	PSCE2000
Centurion	Double Conversion	3000VA	2400W	16min/1200W	12V 9AH x6	4ms	425x190x335mm	28Kg	PSCE3000
Centurion	Double Conversion	6000VA	4800W	35min/2400W	12V 9AH x20	4ms	575x250x577mm	90Kg	PSCE6000
Centurion	Double Conversion	10,000VA	8000W	16min/4000W	12V 9AH x20	4ms	575x250x577mm	93Kg	PSCE10K
Centurion Rack	Double Conversion	6000VA	4800W	35min/2400W	12V 9AH x20(e)	4ms	580x438x133mm	65Kg	PSCER6000
Centurion Rack	Double Conversion	10,000VA	8000W	16min/4000W	12V 9AH x20(e)	4ms	668x438x133mm	65Kg	PSCER10K
Centurion RT	Double Conversion	1000VA	900W	15min/450W	12V 9AH x3	4ms	480x438x88mm	10Kg	PSCERT1000
Centurion RT	Double Conversion	1000VA	900W	*	Nil	4ms	480x438x88mm	7Kg	PSCERT1000L
Centurion RT	Double Conversion	2000VA	1800W	17min/800W	12V 9AH x4	4ms	600x438x88mm	14Kg	PSCERT2000
Centurion RT	Double Conversion	2000VA	1800W	*	Nil	4ms	600x438x88mm	8Kg	PSCERT2000L
Centurion RT	Double Conversion	3000VA	2700W	16min/1200W	12V 9AH x6	4ms	600x438x88mm	28Kg	PSCERT3000
Centurion RT	Double Conversion	3000VA	2700W	*	Nil	4ms	600x438x88mm	14Kg	PSCERT3000L

www.powershield.com.au

### POWERSHIELD VOLTGUARD

#### AVR - PROTECTS FROM BROWNOUTS AND OVER VOLTAGE

The PowerShield VoltGuard AVR will automatically maintain a constant voltage level to protect sensitive electronics from brownouts and over voltages. This cost effective compact device will provide a constantly regulated output voltage ensuring that your sensitive electronic equipment is always receiving voltage within an acceptable range. Furthermore, this VoltGuard also has included as standard, over voltage and under voltage protection which will turn off the supply to your equipment when the utility voltage moves out of the safe range. The VoltGuard also provides surge protection to protect against transients. Ideal for office equipment, PCs, home theatre and other valuable, voltage sensitive electronics.

- Very wide input voltage range
- Excellent output voltage stability
- Includes surge and spike suppression
- Extremely fast response
- Provides over-voltage & under-voltage protection
- Provides over-temperature and overload protection
- Stylish enclosure with Australian outlet sockets

Model	VoltGuard
Power	750W
Size	180x95x119mm
Weight	2.0Kg
Code	PSVG1500



### UPS SAFEGUARD

#### AUTO VOLTAGE REGULATION WITH BATTERY BACKUP

Provides a buffer between your equipment and inconsistent mains. This cost effective, compact device constantly stands guard beside your sensitive equipment. AVR (Automatic Voltage Regulation). Anytime a power fluctuation occurs, this UPS will buck or boost the power within a ten percent variance of 240Vac. Provides three outlets of surge suppressed battery backup to keep essential systems running through power outages. It also provides three surge protected sockets for non-essential equipment. User-replaceable batteries.

- Automatic Voltage Regulation (Buck and Boost)
- Light-weight compact and elegantly designed
- Intelligent microprocessor control
- Monitoring and shutdown software included
- Fax/modem/LAN surge suppression port
- Overload protection and alarm
- Output short circuit protection
- Start on battery function (cold start)
- Easy user replaceable battery
- Australian/New Zealand approved sockets
- Fast charging - 90% in 4 hours
- USB communication
- Wall mountable

Model	SafeGuard
Capacity	750VA
Power	450W
Time	2.5min/450W
Battery	12V 9AH
Switch	6ms
Size	200x290x90mm
Weight	7.0Kg
Code	PSG750







## UPS DEFENDER

### AVR - LINE INTERACTIVE

The Defender range uses Automatic Voltage Regulation (AVR) to minimise the effects of fluctuations in input voltage protecting your valuable equipment from power line disturbances. LCD display, user replaceable batteries and six AC sockets makes the Defender the complete package at this level.

- Excellent microprocessor control guarantees high reliability
- Australian outlets for UPS and Surge protection (x3)
- Australian outlets for Surge protection (x3)
- Boost and buck AVR for voltage stabilization
- User replaceable batteries
- Silent Operation (No fans included)
- Auto restart while AC is recovering
- Off-mode charging and Cold start function
- USB communication with sophisticated NetGuard® software

Model	Defender	Defender	Defender
Capacity	650VA	1200VA	1600VA
Power	390W	720W	960W
Time	6min/200W	13min/360W	10min/480W
Battery	12V 9AH	12V 7AH x2	12V 9AH x2
Switch	2-6ms	2-6ms	2-6ms
Size	328x100x145mm	400x145x205mm	400x145x205mm
Weight	5.2kg	11.1Kg	11.5Kg
Code	PSD650	PSD1200	PSD1600



## UPS COMMANDER

### AVR - LINE INTERACTIVE WITH PURE SINE WAVE

The Commander protects your equipment against power failures, power sags, power surges, under voltage and over voltage that can harm your equipment or result in corrupted data. The pure sine wave output on battery backup is best for server and motor applications. The Commander offers features needed for cost effective network protection and comes with the proven reliability users have come to expect from PowerShield. As well as a reliable shutdown solution, the Commander extends runtime capacity, has enhanced connectivity options to manage as well as monitor the UPS remotely via SNMP. 1558 joules and 40,000 Amp surge protection. The narrow output voltage variance of 5% ensures that sensitive equipment is subjected to only small voltage inconsistencies. The LCD display gives the user the ability to see voltages in/out, frequency in/out as well as temperature, load and battery voltage. In addition, these UPSs have Real Time Battery Management which tells how many minutes backup the user has when the power goes off. This is calculated by battery voltage, temperature and load conditions.

- Works for gates, camera surveillance, computers, telephone systems, servers, and other sensitive electronic equipment.
- Best specifications in its class
- Intelligent real time battery backup display
- Smart 5% AVR with 2 step buck and boost
- Intelligent double stage charger control
- Generator compatible
- Highest Joule Rating – 1558 Joules of surge protection

Model	Commander	Commander
Capacity	1000VA	2000VA
Power	600W	1200W
Time	14min/300W	14min/600W
Battery	12V 7.2AH x2	12V 7.2AH x4
Switch	3ms	3ms
Size	380x200x180mm	510x200x180mm
Weight	16Kg	26Kg
Code	PSC1000	PSC2000



### SNMP ADD-ON SOLUTIONS

Communications and control over IP. External version includes local temperature/humidity sensors.

Type	Internal SNMP Card	External SNMP
Code	PSCSNMP	PSCSNMPEE







## UPS COMMANDER RT

### AVR - LINE INTERACTIVE PURE SINE WAVE WITH BATTERIES

With pure sine wave output, the Commander Rack mount Tower guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications. The ECO mode function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems. To provide longer backup time the 2kVA and 3kVA models are expandable to include an additional battery bank. Multiple communication available; USB, RS232, SNMP (Optional). Control software included.

- Pure sine wave output
- Built-in boost and buck AVR
- Output power factor 0.8
- Programmable power management outlets
- ECO mode operation for energy saving (ECO)
- Emergency Power Off Function (EPO)
- Hot-swappable battery design
- Long-run models / battery extenders available
- Rack Mount or Tower free standing

Model	Commander RT	Commander RT	Commander RT
Capacity	1100VA	2000VA	3000VA
Power	880W	1600W	2400W
Time	15min/400W	17min/800W	16min/1200W
Battery	12V 9AH x2	12V 9AH x4	12V 9AH x6
Switch	2-6ms	2-6ms	2-6ms
Size	380x438x88mm	380x438x88mm	600x438x88mm
Weight	16Kg	25Kg	35Kg
Code	PSCRT1100	PSCRT2000	PSCRT3000



PSCRT3000



PSCRT800/1100/2000



### ACCESSORIES

Description	Code
Telescopic Rail Mounting Kit	PSRAIL
Internal SNMP Comms Card	PSCESNMP
External SNMP Module	PSCESNMPEE
8x Battery Bank Suits PSCRT1000	PSRTBB8
12x Battery Bank PSCRT2000/3000	PSRTBB12

## UPS CENTURION

### DOUBLE-CONVERSION TYPE WITH BATTERIES

As a True Online Double-conversion UPS, the UPS takes the AC signal, converts it to DC and then back to AC, thus eliminating any noise or electrical interference and delivering perfect 240Vac and 50Hz frequency to all equipment and will continue to feed in the case of a mains failure. Programmable sockets on the back so that the user may get more backup on more critical equipment.

- True Online Double Conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.98
- 50Hz/60Hz frequency converter mode
- Programmable power outlets
- Emergency power off function (EPO)
- Optional Eco-mode operation for energy saving
- Generator compatible
- Backup time extended by simply plugging additional battery banks
- Battery banks are with internal charger
- USB, RS232, SNMP and AS400 multiple communications available
- N+X parallel redundancy available for 6K/10K models
- Monitoring and Shutdown Software included



Model	Centurion	Centurion	Centurion	Centurion	Centurion
Capacity	1000VA	2000VA	3000VA	6000VA	10,000VA
Power	800W	1600W	2400W	4800W	8000W
Time	25min/400W	25min/800W	16min/1200W	35min/2400W	16min/4000W
Battery	12V 9AH x3	12V 9AH x6	12V 9AH x6	12V 9AH x20	12V 9AH x20
Switch	4ms	4ms	4ms	4ms	4ms
Size	396x145x240mm	425x190x335mm	425x190x335mm	575x250x577mm	575x250x577mm
Weight	14Kg	26Kg	28Kg	90Kg	93Kg
Code	PSCE1000	PSCE2000	PSCE3000	PSCE6000	PSCE10K

### BATTERY BANK EXTENDERS

Battery	Size	Weight	Suits	Code
6x 9AH	397x145x220mm	21Kg	PSCE1000	PSCEBB6
12x 9AH	421x190x318mm	42Kg	PSCE2000 PSCE3000	PSCEBB12
18x 9AH	534x190x318mm	62Kg	PSCE2000 PSCE3000	PSCEBB18CH
40x 9AH	592x285x576mm	125Kg	PSCE6000 PSCE10K	PSCEBB40
60x 9AH	830x250x576mm	204Kg	PSCE6000 PSCE10K	PSCEBB60CH





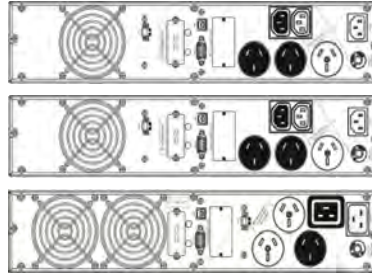


## UPS CENTURION RT

### DOUBLE-CONVERSION TYPE - SEPARATE BATTERY BANK REQUIRED

As a True Online Double-conversion UPS, the UPS takes the AC signal, converts it to DC and then back to AC, thus eliminating any noise or electrical interference and delivering perfect 240Vac and 50Hz frequency to all equipment and will continue to feed in the case of a mains failure. Programmable sockets on the back so that the user may get extended backup on critical equipment. The optional "L" version is for "Long Run" has no internal batteries and instead has an increased power charger for up to 10 external Battery Banks.

- True double-conversion
- Output power factor 0.9
- User-friendly and easy-shift LCD display
- Rack or Tower design
- ECO and advanced ECO mode for energy saving
- Output voltage regulation  $\pm 1\%$
- Generator compatible
- Programmable power management outlets
- Emergency Power Off function (EPO)
- Hot swappable battery design
- Available in 1000, 2000 and 3000 VA models
- Ideal for medium density power protection
- USB, RS232, SNMP and AS400 multiple comms'



Model	Centurion RT	Centurion RT	Centurion RT	Centurion RT	Centurion RT	Centurion RT
Capacity	1000VA	1000VA	2000VA	2000VA	3000VA	3000VA
Power	900W	900W	1800W	1800W	2700W	2700W
Time	*	15min/450W	*	17min/800W	*	16min/1200W
Battery	Nil	12V 9AH x3	Nil	12V 9AH x4	Nil	12V 9AH x6
Switch	4ms	4ms	4ms	4ms	4ms	4ms
Size	480x438x88mm	480x438x88mm	600x438x88mm	600x438x88mm	600x438x88mm	600x438x88mm
Weight	7Kg	10Kg	8Kg	14Kg	14Kg	28Kg
Code	PSCERT1000L	PSCERT1000	PSCERT2000L	PSCERT2000	PSCERT3000L	PSCERT3000

[L] Versions require at least one external battery bank.

### ACCESSORIES

Details	Code
Telescopic Rail Mounting Kit	PSRAIL
Internal SNMP Comms Card	PSCSNMP
External SNMP Module	PSCSNMPEE

### BATTERY BANKS

The standard Centurion RT can extend to one or two external battery banks. The Long-Run (L) versions require at least one external battery bank and can charge up to ten in total for maximising load times.

Details	Code
6x Battery Bank PSCERT1000	PSRTBB6
12x Battery Bank PSCERT2000 or PSCERT3000	PSRTBB12

## UPS CENTURION RACK

### DOUBLE-CONVERSION TYPE WITH BATTERIES

As a True Online Double-conversion UPS, the UPS takes the AC signal, converts it to DC and then back to AC, thus eliminating any noise or electrical interference and delivering perfect 240Vac and 50Hz frequency to all equipment and will continue to feed in the case of a mains failure. Programmable sockets on the back so that the user may get more backup on more critical equipment.

- True Online Double Conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.98
- 50Hz/60Hz frequency converter mode
- Programmable power outlets
- Emergency power off function & Eco-mode for energy saving
- Generator compatible
- Backup time extended by plugging additional battery banks
- Charger capacity expansion to 8A for long-run models
- USB + RS232 + SNMP\* + AS400\* communications (\*Optional)
- N+X parallel redundancy available for 6K/10K models

Model	Centurion Rack	Centurion Rack
Capacity	6000VA	10,000VA
Power	4800W	8000W
Time	35min/2400W	16min/4000W
Battery	12V 9AH x20(e)	12V 9AH x20(e)
Switch	4ms	4ms
Size	580x438x133mm	668x438x133mm
Weight	65Kg	65Kg
Code	PSCER6000	PSCER10K

### ACCESSORIES

Description	Code
Telescopic Rail Mounting Kit	PSRAIL
PSCER6000/10K Batt. (x20) Ext.	PSCERBB20
Internal SNMP Comms Card	PSCSNMP
External SNMP Module	PSCSNMPEE







## REMOTE MAINS POWER MANAGER

### RPM - REMOTE POWER MANAGER

RPM is a network manageable, intelligent power control unit designed to provide control of power to up to 8 electrical devices. This power nerve centre gives you control over your electrical devices either through a network connection, model dial-up or a telephone. Once connected you can reset, power up/down the devices, and much more...



- Support TCP/IP, SNMP, HTTP, SMTP, PPP, SNT, TELNET protocol.
- Connect using 10/100mbps Ethernet, Modem dial-up or a phone.
- Safe power up, down or rebooting from any land or cell phone.
- Individually control each of the eight AC receptacles
- Anywhere in the world using standard Web Browser.
- Remote and individually reboots locked up servers.
- Sequentially apply power to equipment connected.
- Customized TRAP & E-mail notification to Receive daily/event alerts.
- Remote setup support via IP remotely through telnet commands.
- Daisy-Chain up to 16 units to control a total of 128 devices.
- Environmental Monitoring capabilities (Humidity, Temperature, Smoke, Motion, etc) with NetFeeler Lite (optional add-on)



Type	Code
Master	PSNM
Slave	PSNS



## POWERSHIELD AUTOMATIC TRANSFER MAINS POWER SWITCH

The PowerShield Automatic Transfer Switch (ATS) is designed with two independent power inlets to supply power to the load from a primary or secondary power source. Should the primary power source fail, the secondary will automatically supply power to the connected equipment. The transfer time from one power source to the other is seamless to the connected equipment. After switching to a secondary power source, the ATS can also switch power back to the primary input when power to the primary input is restored. The PowerShield ATS is designed to provide redundancy using a "break before make" technology. This means that in the event of a short-circuit on one of the power sources, the fault will not be able to affect the alternative power source. This switch ensures that power is transferred from one source or the other, never an overlap that may affect reliability. In the unlikely event of a fault in the ATS power supply, the ATS continues to supply from the remaining available source.

- Critical load (server) has reliability of two independent power sources
- Ideal for ensuring reliable power to critical devices
- User selectable power source from front panel
- Dual power supply for redundancy
- Provides seamless power switch for IT equipment
- Highly reliable 19" (1RU) rack design
- Built-in USB and RS232
- AS400 dry contacts included
- SNMP remote monitoring option available
- Two year warranty



Code
PSATS3K



## POWERSHIELD PDU DISTRIBUTION POWER RAILS

### POWER DISTRIBUTION UNITS

Expands outlets from UPS in the Rack.  
Metal encased durable construction.  
Inbuilt 10A Resettable thermal fuse.  
6 Way 1RU. 10 Way 2RU. Horizontal.  
10A Mains plug in a 2M lead.  
All AC Sockets 10A GPO.

Type	6 Way	10 Way
Code	PDU6WAY	PDU10WAY

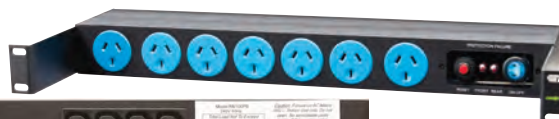


## POWERSHIELD PDU DISTRIBUTION POWER RAILS

### RACK MOUNT UPS DISTRIBUTION

AC Sockets and IEC Sockets (at rear). Thermal resettable 10A Fuse.  
1140J surge protection circuit. Illuminated power switch. Status LEDs.  
10A mains plug on a 2M lead.

Type	Code
IECx4 ACSx7	PDUH74
IECx8 ACSx14	PDUHV148







## □ AC Power Surge Filter

### PANEL MOUNT SURGE FILTER

#### MAINS FILTER 3 STAGE 50KA

The BSF50 series surge filters are designed to provide a secondary protection to critical circuits in medium risk locations and can be used with primary surge protection devices. This device provides a high degree of protection and is particularly suitable for use in 32A and 40A single phase circuits with critical equipment such as UPS, control systems, IT devices etc. In case of a voltage spike, the device can divert the excess voltage to Neutral and Earth and thus limiting the damage to the downstream load. Once the spike is over, the unit will return to normal operation.

The BSF series provides 3 stages of protection in 3 modes.

Stage 1 provides high kA rated protection across L-N, N-E and L-E.

Stage 2 comprises a low pass LC filter network in Line and Neutral to reduce or eliminate surge currents passing to the load side as well as offering noise rejection.

Stage 3 provides additional load side protection across L-N, L-E and N-E to manage any transients that may occur on the load side circuits.

Panel mounted surge protection and filter  
50kA I<sub>max</sub>

3 stage, 3 mode protection

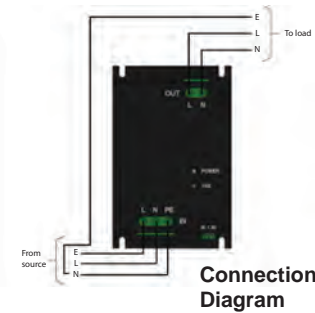
Rugged IP20 enclosure

32A and 40A versions

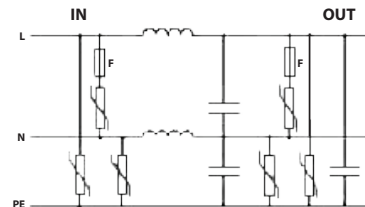
Hardwired input/output terminals

Remote alarm contacts

Current	I <sub>max</sub>	Code
32A	50kA max	BSF50-32A
45A	50kA max	BSF50-45A



SPD Circuit Diagram



### PORTABLE SURGE POWER DEVICE

#### IEC INPUT/OUTPUT

The BSF40 series portable filters are designed to provide a secondary protection to critical circuits in medium risk locations and can be used in conjunction with secondary surge protection devices (SPD).

This device is particularly suitable for use with plug in UPS systems, servers, instrumentation, POS systems, specialised industrial and commercial portable equipment where a high degree of protection is required on mission critical applications in harsh electrical environments. This device is not intended for general domestic use. These models are designed to connect in series with the power system as close as possible to the device to be protected. Excess voltage transients are diverted to Neutral and Earth and thus limiting the damage to the downstream load. Once the spike is over, the unit will return back to normal operation.

Surge protection and EMI/RFI filter  
40kA I<sub>max</sub> in L-N mode. 60kA all modes

3 stage, 3 mode protection

LC filter network

Rugged IP24 enclosure

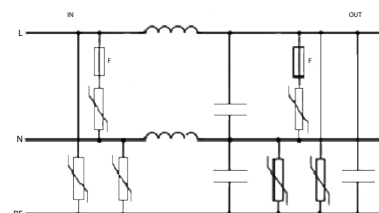
10A and 16A versions

IEC input/output

2 part display



SPD Circuit Diagram



Current	I <sub>max</sub>	Connectors	Code
10A	40kA (L-N mode), 60kA (all modes)	IEC C13/C14	BSF40-10A
16A	40kA (L-N mode), 60kA (all modes)	IEC C19/C20	BSF40-16A





# Power & Lighting

## AC Power Strips ProLink

### POWER STRIPS - PROLINK

#### ASSEMBLED IN AUSTRALIA.

Introducing an expanded range of superior quality PDUs. ProLink PDUs are locally manufactured in Australia with 1.2mm mild steel and black-ripple powder coat for a durable and professional finish. Individually hand wired outlets ensure that your power supply is safe and reliable. Their neat and tidy design saves you space in your installation. Designed specifically for use in 19 rack enclosures with the highest standards of quality expected by the IT Industry. Protected by thermal, thermal-magnetic or hydraulic-magnetic circuit breakers, with a unique shroud to prevent accidental operation. This range of PDUs are built to comply with AS/NZS 3100:2009.

#### 5 YEAR MANUFACTURERS WARRANTY

A large range and customisation options are available to meet your specific requirements.

**CUSTOM DESIGNS ARE AVAILABLE POPULAR STYLES LISTED BELOW - OTHERWISE PLEASE ENQUIRE**



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### 5x IEC C13 OUTLETS PDU - 1RU

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 5x IEC C13 outlets. 10A thermal magnetic circuit breaker or 15A hydraulic magnetic CB. Requires inlet power lead.

Output	Input	Amps	Fuse	Length	Code
5xC13	1xC14	10A	Thermal Magnetic	480mm	RPH500
5xC13	1xC20	15A	Hydraulic Magnetic	480mm	RPH501



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IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

### 5x IEC C13 3x IEC C19 OUTLETS PDU - 1RU

#### WITH BUILT-IN HYDRAULIC-MAGNETIC CIRCUIT BREAKER

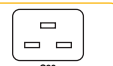
Power rail with 5x IEC C13 and 3x IEC C19 outlets. 15A hydraulic magnetic circuit breaker. Requires C20 type inlet power lead.

Output	Input	Amps	Fuse	Length	Code
5xC13, 3xC19	1xC20	15A	Hydraulic Magnetic	480mm	RPH800



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IEC C20 Input:  
Requires AC Lead  
See C19 Type



15A

### 10x IEC C13 OUTLETS PDU - 1RU

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 10x IEC C13 outlets. 10A thermal magnetic circuit breaker or 15A hydraulic magnetic CB. Requires inlet power lead.

Output	Input	Amps	Fuse	Length	Code
10xC13	1xC14	10A	Thermal Magnetic	480mm	RPH1000
10xC13	1xC20	15A	Hydraulic Magnetic	480mm	RPH1001



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IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

### 15x IEC C13 OUTLETS PDU - 1RU

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 15x IEC C13 outlets. 15A thermal circuit breaker. Requires inlet C14 or C20 power lead.

Output	Input	Amps	Fuse	Length	Code
15xC13	1xC14	10A	Thermal	480mm	RPH1500
15xC13	1xC20	15A	Thermal	480mm	RPH1501



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IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

### 20x IEC C13 OUTLETS PDU - VERTICAL 0.7M

#### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 20x IEC C13 outlets. 10A thermal magnetic circuit breaker or 15A hydraulic magnetic circuit breaker. Includes 3M inlet power lead. 0.7M in length.

Output	Input	Amps	Fuse	Length	Code
20xC13	1x10A GPO	10A	Thermal Magnetic	700mm	RPV2000
20xC13	1xC20	15A	Hydraulic Magnetic	700mm	RPV2003

GPO Plug  
10A Included  
3.0M Lead



C20 15A  
Included  
3.0M Lead



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10A



15A





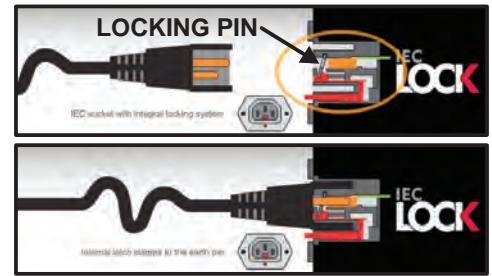
## IEC-LOCK

### GUARDS AGAINST ACCIDENTAL DISCONNECTION OF MAINS POWER

Unique 'Patented' female C13 socket, suitable for use with any standard IEC C14 connector  
Protects computer, medical and other important equipment from accidental disconnection  
Ideal for protecting appliances that are vulnerable to vibration or accidental movement  
Suitable for various critical mains powered appliances that require a secure power source



www.IECLock.com



## IEC-LOCK 8x C13 OUTLETS PDU - 1RU

### WITH BUILT-IN THERMAL MAGNETIC CIRCUIT BREAKER

Power rail with 8x IEC-Lock C13 outlets to prevent accidental disconnection. 10A thermal magnetic circuit breaker.  
Requires a C13 type power lead.



Output	Input	Amps	Fuse	Length	Code
8xC13 IEC-Lock	1xC14	10A	Thermal Magnetic	480mm	RPH801



IEC C14 Input:  
Requires AC Lead  
See C13 Type



## IEC-LOCK 4x C13 & 3x C19 OUTLETS PDU - 1RU

### WITH BUILT-IN HYDRAULIC MAGNETIC CIRCUIT BREAKER

Power rail with 4x IEC-Lock C13 and 3x IEC-Lock C19 outlets.  
10A hydraulic magnetic circuit breaker.  
Requires a C19 type inlet power lead.



Output	Input	Amps	Fuse	Length	Code
4xC13 IEC-Lock, 3xC19 IEC-Lock	1xC20	15A	Hydraulic Magnetic	480mm	RPH502



IEC C20 Input:  
Requires AC Lead  
See C19 Type



## IEC-LOCK 16x C13 OUTLETS PDU - VERTICAL 0.7M

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 16x IEC-Lock C13 outlets . 10A hydraulic magnetic circuit breaker. Requires a C13 or C19 type power lead.



Output	Input	Amps	Fuse	Length	Code
16xC13 IEC-Lock	1xC14	10A	Thermal Magnetic	700mm	RPV1600
16xC13 IEC-Lock	1xC20	15A	Hydraulic Magnetic	700mm	RPV1601

IEC Input:  
Requires AC Lead  
See "Input" for type



## 3RU DISTRIBUTION BOARD - 24 POLE AC/DC MCB

### RACK MOUNTED

Fits up to 24x 18mm DIN-mount magnetic circuit breaker switches.  
Front panel easily removable for maintenance. Contains mounting kit, pole fillers & cable entry grommets. Earth stud on rear for AC applications.  
Size: 483x133x110mm



Code  
DBB324E



## 4RU DISTRIBUTION BOARD - 24 POLE AC/DC MCB

### RACK MOUNTED

Fits up to 24x 18mm DIN-mount magnetic circuit breaker switches.  
Extra space below DIN rail for high-current DC wiring. Front panel easily removable for maintenance. Contains mounting kit, pole fillers & cable entry grommets.  
Size: 483x177x114mm



Code  
DBB424







# Power & Lighting

## 6x 10A GPO OUTLETS PDU - 1RU

### WITH BUILT-IN THERMAL-MAGNETIC CIRCUIT BREAKER

Power rail with 6x 10A GPO outlets. 10A thermal magnetic circuit breaker. 3M power lead with GPO plug included.

Output	Input	Amps	Fuse	Length	Code
6x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH600



GPO Plug  
10A Included  
3.0M Lead

10A

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## 8x 10A GPO OUTLET PDU - 1RU - "SPACE SAVER"

### WITH BUILT-IN THERMAL CIRCUIT BREAKER

Power rail with 8x 10A GPO outlets . 10A thermal circuit breaker. 3M power lead with GPO plug included.

Output	Input	Amps	Fuse	Length	Code
8x10A GPO	1x10A GPO	10A	Thermal	480mm	RPH802



GPO Plug  
10A Included  
3.0M Lead

10A

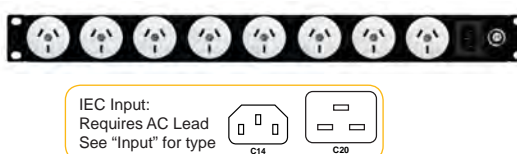
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## 8x 10A GPO OUTLETS PDU - 1RU - "SPACE SAVER"

### WITH BUILT-IN THERMAL CIRCUIT BREAKER

Power rail with 8x 10A GPO outlets . 10A or 15A thermal circuit breaker. Requires inlet power lead.

Output	Input	Amps	Fuse	Length	Code
8x10A GPO	1xC14	10A	Thermal	480mm	RPH803
8x10A GPO	1xC20	15A	Thermal	480mm	RPH804



IEC Input:  
Requires AC Lead  
See "Input" for type



10A

15A

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## 10x 10A GPO OUTLETS PDU - 2RU

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 10x 10A GPO outlets . 10A thermal-magnetic or 15A hydraulic-magnetic circuit breaker. Included 3M inlet power lead. 2RU.

Output	Input	Amps	Fuse	Length	Code
10x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH1002
10x10A GPO	1xC20	15A	Hydraulic Magnetic	480mm	RPH1005



GPO Plug  
10A Included  
3.0M Lead

C20 Plug  
15A Included  
3.0M Lead

10A

15A

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## 12x 10A GPO OUTLETS PDU - 2RU

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 12x 10A GPO outlets . 10A thermal-magnetic or 15A hydraulic-magnetic circuit breaker. Included 3M inlet power lead. 2RU.

Output	Input	Amps	Fuse	Length	Code
12x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH1200
12x10A GPO	1xC20	15A	Hydraulic Magnetic	480mm	RPH1202



GPO Plug  
10A Included  
3.0M Lead

C20 Plug  
15A Included  
3.0M Lead

10A

15A

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## 16x 10A GPO OUTLETS PDU - 2RU - "SPACE SAVER"

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 16x 10A GPO outlets . 10A thermal-magnetic or 15A hydraulic-magnetic circuit breaker. Included 3M inlet power lead. 2RU

Output	Input	Amps	Fuse	Length	Code
16x10A GPO	1x10A GPO	10A	Thermal Magnetic	480mm	RPH1600
16x10A GPO	1xC20	15A	Hydraulic Magnetic	480mm	RPH1601



GPO Plug  
10A Included  
3.0M Lead

C20 Plug  
15A Included  
3.0M Lead

10A

15A

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## 10x 10A GPO OUTLETS PDU - VERTICAL 1M

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 10x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 3M inlet power lead. 1M in length.

Output	Input	Amps	Fuse	Length	Code
10x10A GPO	1x10A GPO	10A	Thermal Magnetic	1M	RPV1000
10x10A GPO	1xC20	15A	Hydraulic Magnetic	1M	RPV1001



10A

15A

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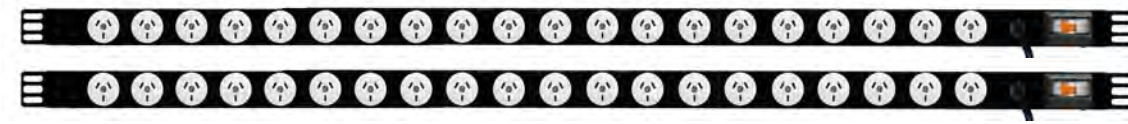


## 20x 10A GPO OUTLETS PDU - VERTICAL 1.3M - "SPACE SAVER"

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 20x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 3M inlet power lead. 1.3M in length.

Output	Input	Amps	Fuse	Length	Code
20x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.3M	RPV2004
20x10A GPO	1xC20	15A	Hydraulic Magnetic	1.3M	RPV2005



10A

15A

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## 15x 10A GPO OUTLETS PDU - VERTICAL 1.7M

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 15x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 2M inlet power lead. 1.7M in length.

Output	Input	Amps	Fuse	Length	Code
15x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.7M	RPV1500
15x10A GPO	1xC20	15A	Hydraulic Magnetic	1.7M	RPV1501



10A

15A

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## 20x 10A GPO OUTLETS PDU - VERTICAL 1.7M

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 20x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 2M inlet power lead. 1.7M in length.

Output	Input	Amps	Fuse	Length	Code
20x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.7M	RPV2001
20x10A GPO	1xC20	15A	Hydraulic Magnetic	1.7M	RPV2006



10A

15A

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## 30x 10A GPO OUTLETS PDU - VERTICAL 1.7M - "SPACE SAVER"

### WITH BUILT-IN CIRCUIT BREAKER

Power rail with 30x 10A GPO outlets. 10A thermal magnetic CB or 15A hydraulic magnetic circuit breaker. Includes 2M inlet power lead. 1.7M in length.

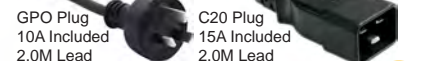
Output	Input	Amps	Fuse	Length	Code
30x10A GPO	1x10A GPO	10A	Thermal Magnetic	1.7M	RPV3000
30x10A GPO	1xC20	15A	Hydraulic Magnetic	1.7M	RPV3001



10A

15A

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Audio, Visual & Data Integration Products







# Power & Lighting

## AC Power Strips

### HORIZONTAL POWER RAIL WITH DISPLAY

#### DIGITAL DISPLAY CURRENT METER

1RU height, 19" horizontal mount rack mount with SAA outlets 10A. 10A Resettable thermal circuit breaker. Aluminium-alloy metal casing. Built-in LED 3 digit current meter measures total power consumption. Heavy duty 3x1.5mm<sup>2</sup> power cord 2M to standard 10A plug, all black. Australian Approved. SAA100425EA. 45x45x482mm in size

Amps	Input	Lead	Output	Code
10A	SAA 10A	2M	8x SAA	PDH801



### HORIZONTAL POWER RAIL WITH DISPLAY

#### 1RU RACK MOUNT WITH THERMAL FUSE

Power distribution unit with assorted options of output configuration. Input plug in 10A. Single rack mount 1RU. Breakout on both front and rear panels for a compact solution. Thermal fuse and illuminated master toggle switch with cover. Includes power lead to mains plug. 2 Metres lead. Built-In dual LED power meter displays both voltage and current. 130x45x482mm

Amps	Input	Lead	Size	Output	Code
10A	10A Plug	3M	1.5mm <sup>2</sup>	16x GPO(10A)	PDH1600



### HORIZONTAL POWER RAIL 6/8 WAY

#### ALL METAL CASING WITH ILLUMINATED MASTER SWITCH

1RU height, 19" horizontal mount rack mount with SAA outlets 10A. Illuminated master power switch with protective cover. 10A Resettable thermal circuit breaker. Quality made Aluminium-alloy metal casing. Heavy duty 3x1.5mm<sup>2</sup> power cord 2M to standard 10A plug, all black. Australian Approved. SAA100425EA. 45x45x482mm in size.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	6x GPO	PDH600
10A	10A Plug	2M	8x GPO	PDH800



### HORIZONTAL POWER RAIL C13 + GPO SOCKETS

#### BUILT-IN THERMAL CIRCUIT BREAKER

Horizontal 1RU. Outlet includes 5x 10A GPO, 5x IEC C13 sockets. Heavy duty Aluminium alloy casing. 10A Thermal circuit breaker. With 2M 3x 1.5mm<sup>2</sup> cable and SAA mains power plug. Size: 482x45x60mm

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	5x GPO(10A), 5x C13	PDH1002



### HORIZONTAL POWER RAIL C13 + GPO SOCKETS

#### FRONT AND BACK SOCKETS

Horizontal 1RU 11WAY PDU. Outlet includes 7x 10A GPO (front), and 4x IEC C13 sockets (back). Heavy duty Aluminium alloy casing. 10A Thermal circuit breaker and surge protector. With 3M 3x 1.5mm<sup>2</sup> cable and 10A SAA mains power plug. Size: 488x63.5mmx45mm

Amps	Input	Lead	Output	Code
10A	10A Plug	3M	7x GPO(10A), 4x C13	PDH1100







## HORIZONTAL POWER RAIL C13 12 WAY

### C13 IEC SOCKETS 12X WAY

1RU height, 19" horizontal mount rack mount with C13 outlets for IEC. 10A Resettable thermal circuit breaker. Quality made Aluminium-alloy metal casing with Heavy duty 3x1.5mm<sup>2</sup> lead 2M to standard 10A plug. 45x45x482mm in length.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	12x C13	PDH1001



## HORIZONTAL POWER RAILS - FLUSH 8 WAY GPO

### BUILT-IN THERMAL CIRCUIT BREAKER

1RU power strip with 8 WAY 3 pin 10A GPO power sockets. 3 metre 3x 1.5mm<sup>2</sup> power lead with SAA plug. 10A Thermal circuit breaker. Size: 482x45x95mm (Counter Sink: 50mm)

Amps	Input	Lead	Output	Code
10A	10A Plug	3M	8x GPO (10A)	PDH802



## VERTICAL MOUNT POWER RAIL 12 WAY GPO - 1U X 1M

### 1RU ALUMINIUM RACK MOUNT WITH THERMAL FUSE

1RU height, 12 way vertical rack mount power rail with 12x 10A GPO outlets. 10A Resettable thermal circuit breaker. Aluminium-alloy metal casing. Spaced outlets for power-packs, easy access, etc. Built-in LED power indicator. Heavy duty 3x 1.5mm<sup>2</sup> power cord 2 metre to standard 10A plug. 45x60x985mm in size

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	12xGPO (10A)	PDV1200



## VERTICAL POWER RAIL 15 WAY GPO - 1U X 1M

### ALUMINIUM CASING 1RU

15 way SAA vertical power rail, 1RU. Aluminium-alloy casing. 10A Resettable fuse button and thermal circuit breaker. 3x1.5mm<sup>2</sup> 2M cord. 10A Plug. Australian Approved SAA100425EA. 45x45x980mm in size.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	15x GPO(10A)	PDV1500



## VERTICAL MOUNT POWER RAIL C13 & GPO

### 5 WAY C13 & 5 WAY SAA IN AN EXTENDED VERTICAL MOUNT

5xC13 IEC Sockets and 5xGPO 10A sockets. Thermal fuse protected. Aluminium-alloy casing. Extended case 65cm for vertical mounting. Heavy-duty 3x1.5mm<sup>2</sup> power lead, 2 metres with 10A SAA Plug. Australian Approved. SAA100425EA. Size: 45x45x650mm.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	5x GPO(10A), 5x C13	PDV1000



## VERTICAL POWER RAIL 18 WAY MIXED IEC AND GPO 10A - 1U X 1M

Vertical 1RU, 8 way SAA 10A + 10 way C13 with 10A 6KA Circuit breaker With 2M 3x1.5mm<sup>2</sup> cable with SAA 10A plug. Size: 45x45x1040mm

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	8x GPO(10A), 10x C13	PDV1800







## HORIZONTAL POWER RAIL WITH DISPLAY

### 1RU RACK MOUNT WITH THERMAL FUSE

Power distribution unit with assorted options of output configuration. Input plug in 15A Oversized earth pin. Single rack mount 1RU. Breakout on both front and rear panels for a compact solution. Thermal fuse and illuminated master toggle switch with cover. Includes power lead to mains plug. 2 Metres lead. Built-In dual LED power meter displays both voltage and current. 130x45x482mm

Amps	Input	Lead	Size	Output	Code
15A	15A Plug	3M	2.5mm <sup>2</sup>	14x GPO(10A), 2x GPO(15A)	PDH1601



## VERTICAL POWER RAIL C19 + GPO SOCKETS - 1U X 1M 15A

Horizontal 1RU 15WAY PDU. Outlet includes 12x 10A GPO, 2x 15A GPO and 1x IEC C19 sockets. Heavy duty Aluminium alloy casing. 15A Thermal magnetic circuit breaker. With 2M 3x 1.5mm<sup>2</sup> cable and 15A SAA mains power plug. Size: 990x45x45mm

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	12x GPO(10A), 2x GPO(15A), 1x C19	PDV1501



15A



## VERTICAL POWER RAIL 15 WAY 10A GPO - 1U X 1M 15A

### WITH 15A OVERSIZED PLUG

Comes with 3x2.5mm<sup>2</sup> 2M power cord. 45x45x1040mm in size.

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	15x GPO (10A)	PDV1502



15A



## VERTICAL POWER RAIL 14 WAY MIXED 10A & 15A GPO - 1U X 1M

### 15A AC MAINS PLUG - WITH OVERSIZED EARTH PIN

12 way GPO 10A + 2 way GPO 15A with 15A Thermal Magnetic Circuit Breaker. 1RU Heavy-duty Aluminium-alloy metal casing. With 3x2.5mm<sup>2</sup> cable 2M with 15A plug oversized earth pin. Size: 45x45x1040mm + Brackets.

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	12x GPO(10A), 2x GPO(15A)	PDV1400



15A



## VERTICAL POWER RAIL 19 WAY MIXED IEC AND GPO - 1U X 1M 15A

### 15A AC MAINS PLUG - WITH OVERSIZED EARTH PIN

Vertical 1RU. Outlets included 1x C19, 10x C13, 8x GPO (10A) sockets. Heavy-duty Aluminium-alloy metal casing. 15A Thermal magnetic resettable circuit breaker. 3x2.5mm<sup>2</sup> cord 2 metres with oversized 15A Plug. Australian Approved SAA100425EA. 45x45x1040mm + Brackets.

Amps	Input	Lead	Output	Code
15A	15A Plug	2M	10x C13, 1x C19, 8x GPO(10A)	PDV1900



15A







## VERTICAL POWER RAIL 10 WAY GPO SOCKETS - 1U X 1.2M - 15A CAPTIVE

### CAPTIVE 15A PLUG WITH OVER-SIZED EARTH PIN

Horizontal 1RU 10WAY PDU. Outlet includes 10x 10A GPO sockets.  
Heavy duty Aluminium alloy casing. Size: 1200x48.7x45.8mm  
15A 3 pin captive power plug with 3M 3x 2.5mm<sup>2</sup> cable

Amps	Input	Lead	Output	Code
15A	15A 3 Pin Captive Plug	3M	10x GPO(10A)	PDV1001



15A



## VERTICAL MOUNT POWER RAIL 24 WAY GPO - 1U X 1.2M - 20A CAPTIVE

### 20A CAPTIVE PLUG - ALL PINS OVERSIZED

Vertical 1RU rack mount power rail. 24 x GPO (10A) Outlets.  
Strong construction with heavy-duty Aluminium-alloy metal casing. 45x60x1150mm + Brackets.  
20A Thermal-Magnetic resettable circuit breaker.  
3x 2.5mm<sup>2</sup> cord 2.5 metres with the Captive 20A 3 pin plug.

Amps	Input	Lead	Output	Code
20A	20A Captive Plug	2.5M	24xGPO (10A)	PDV2004



20A



## VERTICAL POWER RAIL C13 + GPO SOCKETS - 1U X 1.2M - 20A CAPTIVE

Horizontal 1RU 20WAY PDU. Outlet includes 16x 10A GPO and 4x IEC C13 sockets.  
Heavy duty Aluminium alloy casing.  
20A Thermal magnetic circuit breaker.  
With 3M 3x 2.5mm<sup>2</sup> cable and 20A flat pin captive power plug.  
Size: 1200x48.7x45.8mm

Amps	Input	Lead	Output	Code
20A	20A Flat Pin Captive Plug	3M	16x GPO(10A), 4x C13	PDV2000



20A



## VERTICAL 17 OUTLETS POWER STRIPS - 1U X 1M - 20A CAPTIVE

### 1 WAY C19 + 4 WAY C13 + 12 WAY GPO

Longer vertical mount power strips with 1x C19, 4x C13 and 12x GPO outlets.  
2 metre power lead with 20A Captive power plug.  
20A Thermal Magnetic circuit breaker protection. Size: 1000x49x46mm

Amps	Input	Lead	Output	Code
20A	1x 20A Captive Power Plug	2M	1x C19, 4x C13, 12x GPO	PDV1700



20A



## VERTICAL POWER RAIL 20 WAY GPO - 1U X 1.2M - 32A CAPTIVE

Horizontal 1RU 20WAY PDU. Outlet includes 20x 10A GPO sockets.  
Heavy duty Aluminium alloy casing. Size: 1200x60x45mm  
32A Thermal magnetic circuit breaker.  
With 3M 3x 4mm<sup>2</sup> cable and 32A round 3 pin mains power plug.

Amps	Input	Lead	Output	Code
32A	32A 3pin Round pin plug	3M	20x GPO(10A)	PDV2001



32A



## VERTICAL MOUNT POWER RAIL 20 WAY MIXED IEC AND GPO - 1U X 1.2M - 32A CAPTIVE

### 56 SERIES COMPATIBLE CAPTIVE PLUG

Vertical mount. Outlets include 16x GPO (10A), 4x C13 sockets. Heavy-duty Aluminium-alloy metal casing for professional installations.  
32A Thermal-Magnetic resettable circuit breaker. 45x60x1170mm + Brackets.  
3x 2.5mm<sup>2</sup> cord 2.5 metres with Industrial 32A 3 pin Captive Plug.

Amps	Input	Lead	Output	Code
32A	32A Captive plug	2.5M	16xGPO+4xC13	PDV2003



32A







# Power & Lighting

## AC Power Strips Misc

### 19" HORIZONTAL POWER BOARD

#### SPIKE ARRESTOR & 10A PROTECTED

Illuminated master power switch. 10A Resettable fuse button.  
Single MOV Spike arrester surge protection. 1 Metre Cord.  
10A Mains with right angled plug. 482mm 1RU.

Type	Code
6 Outlet	PB60RK



### 1RU HORIZONTAL POWER RAIL

#### ALL METAL CASING WITH ILLUMINATED MASTER SWITCH

1RU height, 19" horizontal mount rack mount with 6x or 8x 10A SAA outlets. Illuminated master power switch with protective cover. Quality made Aluminium-alloy metal casing. Heavy duty 3x1.5mm<sup>2</sup> power cord 2M to standard 10A plug, all black. Australian Approved. SAA100425EA. 45x45x482mm in size.

Amps	Input	Lead	Output	Code
10A	10A Plug	2M	6x GPO (10A)	PDU-6000
10A	10A Plug	2M	8x GPO (10A)	PDU-8000



### HORIZONTAL POWER RAILS - FLUSH

#### JACKSON INDUSTRIES - SPIKES AND 10A PROTECTED

High quality metal cased 1U & 2U rack mounted powerboards. Ideal for server rooms and audio installations. 525 joules spike surge and 10A overload protected. EMI & RFI Filtering. Power ON and earth LED indicators. IEC socket with 1.8M Power lead to 10A mains plug.

Type	Code
6 Outlet	RAC0600
12 Outlet	RAC1200



Jackson™



### HORIZONTAL POWER RAILS - FLUSH 8 WAY GPO SOCKETS

#### BUILT-IN THERMAL CIRCUIT BREAKER

1RU power strip with 8 WAY 3 pin 10A GPO power sockets. 3 metre 3x 1.5mm<sup>2</sup> power lead with SAA plug. 10A Thermal circuit breaker. Size: 482x45x95mm (Counter Sink: 50mm)

Amps	Input	Lead	Output	Code
10A	10A Plug	3M	8x GPO (10A)	PDH802



### HORIZONTAL POWER RAILS - FLUSH 8 WAY GPO SOCKETS

Supplied with 2 Cage Nut Screw Sets.  
10A Resettable Fuse. Extruded aluminium.  
Led Power Indicator. 2.8M cord to 10A plug.  
PR8H Horizontal style suits the required length for rack mounting (19") and is recessed for plug space. 1RU 482mm

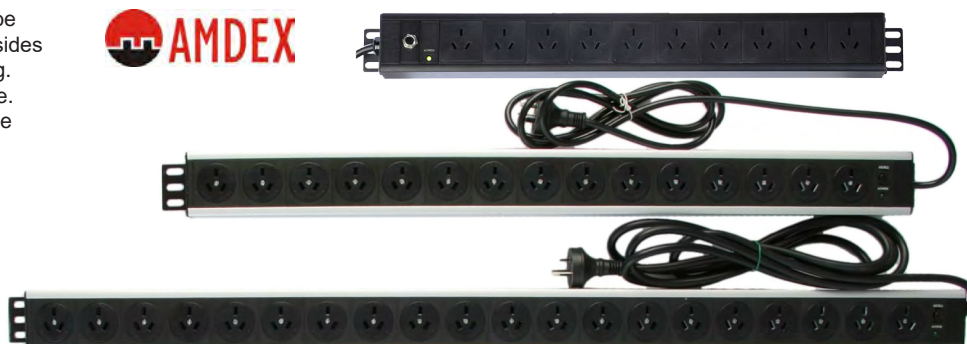
Type	Length	Code
8 Outlet	440mm	PR8H



### VERTICAL POWER RAILS - AMDEX

Vertical mounting power rails can be installed by affixing to the cabinet sides or back, etc. 2.8M cord to 10A Plug. Extruded aluminium with black face. 65(w) x 45(h)mm x Length + Flange

Type	Length	Code
10 Outlet	530mm	PR10V
15 Outlet	750mm	PR15V
20 Outlet	980mm	PR20V







## AC Power Boards

### MULTI-MEDIA PROTECTED POWERBOARD 8-WAY JACKSON

#### WITH 2xUSB CHARGING PORTS (2.1A)

The Jackson model PT8013USB powerboard is an ideal solution for both Home Entertainment and Computer Systems. This model features 8 surge protected outlets rated at 1050 Joule to power and protect valuable electronic equipment from damaging power spikes and surges and comes with a \$20,000 Connected System Warranty. It features a 2.1 Amp USB charger with 2 outlets suitable for charging most portable electronic devices. "F" Connector for Television Surge Protection, suitable for use with Pay TV including Foxtel as well as free-to-air antenna connections. 1.8 metre lead with right angle plug. Additionally, this model has 4 spaced sockets to allow bulky power packs and chargers to be connected and LED indicator lights to show the status of the surge protection, grounding and power availability.

**Jackson™**

Code  
PT8013USB

**USB CHARGER**  
UNIVERSAL SERIAL BUS



### 8 OUTLET POWERBOARD WITH SURGE PROTECTION

#### WITH \$20,000 CONNECTED SYSTEM WARRANTY

The PT8012 is ideal for both Home Entertainment and Computer Systems. Featuring 8 surge protected outlets to power and help protect your valuable electronic equipment from damaging power spikes. Includes additional surge protection for your internet / telephone line as well as TV antenna / Pay TV set top boxes. The 4 spaced power outlets provide additional space to accommodate bulky power packs and chargers. LED indicator lights confirm the status of surge protection, earth / grounding and power availability through a large master switch.

- 8 way AC Power Outlets
- 4 Spaced Socket to suit larger power packs
- Right Angle mains power plug
- Surge Protection for Power, AV and telecom outputs
- Circuit Breaker
- Slimline Design
- Screw Slot Mounting for AV input and output

Code  
PT8012



**Jackson™**



### MULTI-MEDIA PROTECTED POWERBOARD 6-WAY JACKSON

The PT6012 surge protected powerboard is ideal for both home entertainment and computer systems. Featuring 6x surge protected outlets to power and help protect your valuable electronic equipment from damaging power spikes. Includes additional surge protection for your ADSL & Telephone line (RJ12) as well as RF with TV antenna / Pay TV set top boxes ("F" in/out). The 2 spaced power outlets will provide additional space to accommodate bulky power packs and chargers. 3x LED indicator lights will confirm the status of surge protection. Green is grounding status good. Red is surge protection ready. Blue is power master AC switch. Attached lead 1.8M with R/A Plug. 10A. MOV=18,000Amps(1050Joules)<20nS. Size: 240x95x48mm

Code  
PT6012



**Jackson™**



### POWER BOARD WITH RF FILTERING JACKSON

Extra long 5M mains lead with right angle plug. Individually switched outlet power board. 2x extra wide power outlets bulky power packs. EMI and RFI filtering reduces line noise to sensitive equipment. Surge and 10A overload protection. Black in colour. Deluxe quality.

Code  
PT0872

**Jackson™**



### SURGE PROTECTED POWER BOARD SWITCHED

Quality build features. 4/6 individually switched outlets with overload and surge protection. 1 metre lead with a right angled plug to fit neatly behind furniture. Voltage rating 240VAC, Current 10A max, 2400W max and 4500A surge current.

Type	Code
4 Way	PT1814
6 Way	PT1816



**Jackson™**







# Power & Lighting

## POWER BOARD INDIVIDUALLY SWITCHED

### 6-WAY INDIVIDUALLY SWITCHED

Highly rated unit offering surge and overload protection to your appliances. Avoid damage that can be caused by unpredictable power surges. Protect valuable audio, video, entertainment and computer equipment. Extra long power lead, right angle power plug to fit easily and neatly behind furniture. Protection from both EMI and RFI (Electromagnetic and Radio interference) is an added feature. In addition to the Jackson Product Lifetime Replacement Warranty, this product also includes a \$10,000 Connected System Warranty.

Individually switched outlets  
Surge protection  
EMI/RFI filtration  
2 metre lead

**Jackson™**

Voltage 240VAC  
Current 10A (max)  
Lead 2M  
Code PT0876

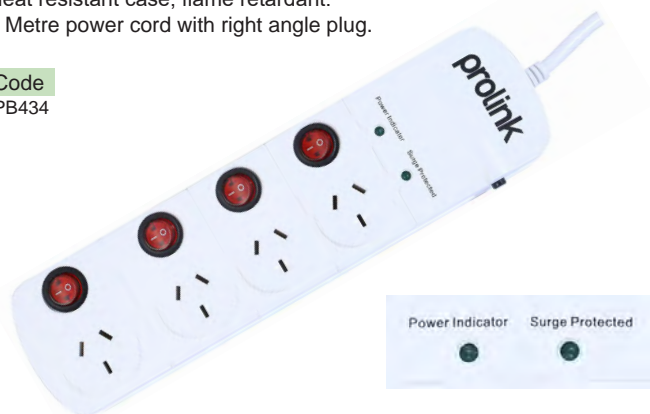


## 4 PORT POWERBOARD INDIVIDUALLY SWITCHED

### SURGE & OVERLOAD PROTECTED & ILLUMINATED SWITCHES

4 way powerboard with individually switched power outlets.  
One extra-spaced outlet to suit larger power adaptor  
10A resettable thermal fuse protection.  
Surge protection. 525J with LED indication.  
Heat resistant case, flame retardant.  
1 Metre power cord with right angle plug.

Code  
PB434



## 4 PORT POWERBOARD INDIVIDUALLY SWITCHED

### INCLUDES PHONELINE SURGE PROTECTED

Home or office equipment. Surge & Spike protection for Power and Phone/Fax/Modem RJ12 Line. Individual power switches for each outlet assists in saving power. Protection active LED indicator.  
2M Cord. 10A resettable fuse. Right angle low profile plug. White.

Code  
PT0984

**Jackson™**

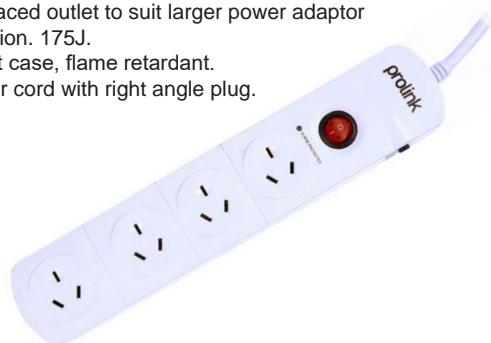


TELEPHONE I/O

## 4 PORT POWERBOARD WITH SURGE PROTECTION

The 4 port powerboard has 10A resettable thermal fuse protection.  
Illuminated master power switch 10A.  
One extra-spaced outlet to suit larger power adaptor  
Surge protection. 175J.  
Heat resistant case, flame retardant.  
1 Metre power cord with right angle plug.

Code  
PB433



## POWER BOARDS WITH SINGLE SWITCH

### 2M POWER CORD R/A PLUG

Extra long 2m power cord with right angled plug  
Blue illuminated toggle master power switch  
Blister pack hanger.

Outlet	Code
4	PB43BK
6	PB63BK

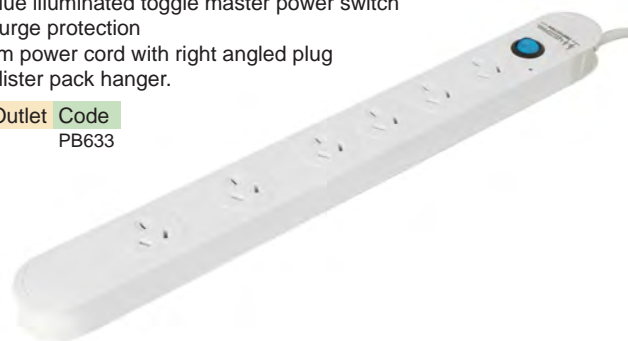


## POWER BOARDS WITH SURGE & SWITCH

### 2M POWER CORD R/A PLUG

6 way powerboard with 2 extra spacing sockets  
Blue illuminated toggle master power switch  
Surge protection  
2m power cord with right angled plug  
Blister pack hanger.

Outlet	Code
6	PB633



## 6 OUTLET POWERBOARD WITH RJ12 PROTECTION WITH TELEPHONE / INTERNET LINE PROTECTION

High quality 6 way powerboard suited to domestic and commercial applications. This model PT0888 is a high rated unit offering surge and overload protection to your appliances. Avoid damage that can be caused by unpredictable power surges and includes in line surge protection for telephone and data lines. Protect valuable computer equipment, video, entertainment and audio equipment. Long 1.8m power lead and right angle power plug to fit easily and neatly behind furniture. It includes protection from both EMI and RFI.

6 Power Outlets With Single Switch  
Surge Protection  
Overload Protection  
Telephone / Internet Line Protection

**Jackson™**

Code  
PT0888



TELEPHONE I/O

POWER SWITCH







## 4 WAY POWER BOARD VARISTOR SPIKE

10A resettable overloading protection with LED indicator.  
ie. Time to replace power board when LED extinguishes.  
Surge spike protection up to 4500A.  
Reaction time: < 25ns.  
Clamping voltage: 710V, 50A.

Cable Length	Code
0.8m	PB41S



LED INDICATES  
PROTECTION  
ENABLED



## POWER BOARD - PROLINK

Standard power board with 10A resettable thermal protection.  
Excellent value for home and office use. Right angle mains plug.  
80cm AC leads.

Outlet	Code
4	PB42
6	PB62

**prolink**  
Audio, Visual & Data Integration Products



## MAINS POWER BOARD ECONOMY

Power board with 10A  
resettable protection  
(Appearance may change)  
Excellent price!  
Cord 1.0 Metre.

### 4 WAY BLACK

Code
PB40BK

### 4 WAY WHITE

Code
PB40

### 6 WAY WHITE

Code
PB60



## 4 WAY POWER BOARD

### INDIVIDUALLY SWITCHED

Surge spike protected with LED Indicator  
Overload protected 10A with reset  
button Individual switches and LED  
indicators  
230x75x35mm white R/A  
Mains Plug 1 Metre lead.

Code
PB40-4SW



## POWER BOARDS WITH SURGE

### 1M POWER CORD R/A PLUG

Shrink wrap with label

Outlet	Code
4	PB432
6	PB632



## POWER BOARD SPACED-SOCKETS JACKSON

### SPIKE & 10A PROTECTED 6 SOCKET

Extra wide spaced sockets to accommodate bulky power packs.  
Surge and overload protection. 10A, 2400W, 175 Joules, 20ns.  
Right angle plug, 1m power cord.

Code
PT6969SBE

**Jackson™**



## POWER BOARD VARISTOR-SPIKE

### SPIKE & 10A PROTECTED

Competitively priced with  
Illuminated power switch 10A  
Resettable fuse button Single  
MOV Spike arrester and 1 Metre  
Cord R/A Plug.

### 4 WAY

Colour	Code
White	PB430

### 6 WAY

Colour	Code
White	PB630
Black	PB630BK



## 6 WAY POWER BOARD & 2x USB PORTS

6 way AC power board with 2x 1A (each) USB charging ports. Ideal for  
home and office. It features six wide spaced sockets, two 5V 1A USB  
power sockets. There is an illuminated On/Off power master switch  
to turn on or off the power supply to all the sockets. Power surge and  
circuit breaker protected..

Code
PB60USB







# Power & Lighting

## AC Power Boards with USB

### POWERCUBE EXTENDED - 5 OUTLETS WITH LEAD WITH DOCKING MOUNT

The PowerCube® Extended power adaptor is a uniquely designed power distributor that features a five outlet compact cube at the end of a 1.5 or 3.0 metre flexible lead & plug.

This product includes a docking mount which users can easily fasten to a desk top, or under the desk, or on the wall, etc. There is also a small plastic collar with a screw hole slides up and down the cable, so users can tack the cable to the wall or underneath your desk to keep cables tidy.



Outlet	5	5	5	5	5
Amps	10A	10A	10A	10A	10A
Voltage	240Vac	240Vac	240Vac	240Vac	240Vac
Cord	1.5M	1.5M	1.5M	1.5M	3.0M
OEM	5304/AUEXPC-GREY	5300/AUEXPC-BLUE	5300/AUEXPC-GREEN	5300/AUEXPC	5304/AUEXPC
Colour	Grey	Blue	Green	Red	Red
Code	PB5001GY	PB5001BU	PB5001GN	PB5001RD	PB5002RD



### POWERCUBE EXTENDED USB - 4 OUTLETS / 2 USB WITH DOCKING MOUNT

The PowerCube® Extended USB is a uniquely designed power distributor that features a four-outlet cube at the end of a 1.5 or 3.0 metre flexible lead and also two USB sockets for 2.1A charging of accessories. This product includes a docking mount which users can fasten to a desk, or under the desk, or on the wall using the provided screws, or damage-free adhesive strips.

There is also a small plastic collar that slides up and down the cable, with a screw hole so users can tack the cable to the wall or underneath your work surface to keep the cable tidy and out of the way.

Outlet	4				
Amps	10A				
Voltage	240VAC				
USB	2				
USB Outlet	5V 2.1A Total				
OEM	5400/ AUEUPC	5404/ AUCUPC	5400/ AUEUPC- RED	5400/ AUEUPC- GREEN	5400/ AUEUPC- BLUE
Colour	Grey	Grey	Red	Green	Blue
Cord	1.5M	3.0M	1.5M	1.5M	1.5M
Code	PB4001GY	PB4002GY	PB4001RD	PB4001GN	PB4001BU



## Office Fitting

### ELSAFE PIXEL FLUSH DESK MOUNT USB & GPO

Low profile flush mount desk top solution  
Mounts existing desk holes 80mmØ  
Available in different configurations  
Includes attached 2M Power lead  
Optional 240V AC Outlet 10A  
Optional USB Power 5.0A (per pair)  
Optional RJ45 Ethernet



**TUF**  
**pixel**

GPO	USB	RJ45	Colour	Code
-	2	-	White/Silver	972000
-	2	-	Black/Silver	972001
-	2	1	White/Silver	972004
-	2	1	Black/Silver	972005
-	2	2	White/Silver	972008
-	2	2	Black/Silver	972009
1	2	-	White/Silver	973000
1	2	-	Black/Silver	973001
1	2	-	White/Yellow	980000
1	2	-	Black/Yellow	980001
1	2	-	White/Light Orange	980004
1	2	-	Black/Light Orange	980005
1	2	-	White/Orange	980008
1	2	-	Black/Orange	980009
1	2	-	White/Red	980012
1	2	-	Black/Red	980013
1	2	-	White/Pink	980016
1	2	-	Black/Pink	980017
1	2	-	White/Green	980020
1	2	-	Black/Green	980021
1	2	-	White/Light Blue	980024
1	2	-	Black/Light Blue	980025
1	2	-	White/Dark Blue	980028
1	2	-	Black/Dark Blue	980029



**e**  
**elsafe**

FITS STANDARD 80MMØ DESK HOLE







## ELSAFE PLUTO GPO & USB ON DESK

### RUBBER FEET WITH SIDE ENTRY POWER LEAD

The PLUTO series satisfies a demand for power and data connectivity. Perfectly suited to breakout areas, smaller meeting rooms and coffee tables - The PLUTO makes sharing power a pleasure. The unit stands on rubber feet with power cable side entry. Optional mounting ring which is designed to screw onto the surface of the table, and the PLUTO unit then can be mounted on top of the mounting ring by twisting and locking it in place.

Above desk module Stand alone or  
Optional 80mmØ mounting ring  
Three sided half-sphere design  
In-built USB Power 5.0A (per pair)  
75x140mmØ White and Grey  
Includes 2M power lead  
Premium grade plastics and style

GPO	USB	Code
1	2	990001
2	1	990000
3	3	990002
3	-	161201

### LOCKING RING

Adapts module into 80mmØ common desk hole for security.

Description	Code
Locking Plate	276003



## ELSAFE PLUTO GPO & USB & RJ45 THROUGH DESK

### REQUIRES A HOLE FOR AC CORD

The PLUTO through desk grommet model includes similar features in the on desk model, but the main difference is this model features a desk grommet mount instead. The unit can be fitted into a standard 80mm desk port hole with the power cord entry through bottom.

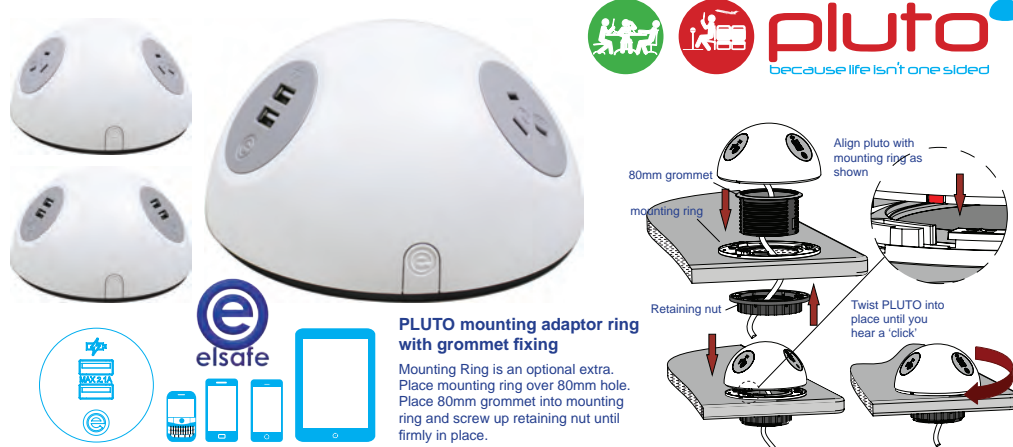
Through-hole desk module  
Optional 80mmØ mounting ring  
Three sided half-sphere design  
In-built USB Power 2.3A (per pair)  
75x140mmØ White and Grey  
Includes 2M power lead  
Premium grade plastics and style

GPO	USB	RJ45	Code
2	-	2	161214
1	2	2	990004
2	2	-	990006
1	4	-	990008

### LOCKING RING

Adapts module into 80mmØ existing desk hole for security.

Description	Code
Locking Plate	276003



## ELSAFE PROFESSIONAL ELECTRICAL FITTINGS

### SEE OUR WEB SITE FOR THE ELSAFE PRODUCT RANGE

Distribute power and data and multi-media throughout offices and buildings in a new way. Elsafe offers a modern solution to the cable chaos for a professional soft-wire installation.



A new exciting range of professional install items for office fitting is now available from WES. A complete catalogue is now available.





# Power & Lighting

## AC Power USB

### POWER BOARD WITH USB POWER

2x USB Sockets for Powering USB devices and charging, etc.  
5Vdc Amps is total.



Surge protection.  
Spaced sockets.  
10A Circuit Breaker.

Type	6 Way	6 Way	4 Way	4 Way
Amps	1A (Total)	3.1A (Total)	1A (Total)	3.1A (Total)
Code	PT6969SUSB	PT6969SUSB3A	PT2929SUSB	PT2929SUSB3A

### 4 PORT POWERBOARD SWITCHED WITH USB 4.5A

4 way powerboard with individually switched power outlets.  
One extra-spaced outlet to suit larger power adaptor  
10A resettable thermal fuse protection. Surge protection. 525J.  
Heat resistant case, flame retardant for fire safety.  
4x USB outlets with total USB current 4.5 Amps (Total).  
1 Metre power cord with right angle plug.

Code  
PB435



### 4 PORT POWERBOARD SWITCHED WITH USB 1A

4 individually switched surge and overload protected outlets. It also has 4 USB outlets suitable for charging most USB Total Load: 1A.  
1 metre lead with a right angle plug.

Code  
PT1814USB



### POWERBOARD WITH USB HUB & POWER

#### 1A POWERED 4 WAY USB + 4 WAY USB HUB

4 surge and overload protected mains outlets.  
4 USB charging outlets for powering and charging USB devices (1A total).  
In addition, it also features an onboard 4 port USB hub to connect additional USB computer peripheral devices to your computer.

Supply rating: 240VAC ~ 50Hz  
Current: 10A (Max.)  
Power Rating: 2400 Watt (max)  
Surge protection: 175J  
Surge current: 4500A  
Response time: <20ns  
Power lead: 1 metre  
Plug Type: Right Angle  
USB x4 Charge/Power  
USB Max total 1A  
USB x4 Hub

Code  
PT4014HUB



### USB MAINS POWER - PLUG TYPE

100-250Vac To 5Vdc up to 1A

Plug	Colour	Code
USB Male	White	USB902
USB Female	White	USB900
USB Female	Black	USB904

UE15WCP has no packaging and not suitable for smart devices.

Plug	Colour	Code
USB Female	White	UE15WCP



### USB MAINS POWER COMPACT

Extra compact solution for easy transport.  
USB Socket to 5 volt 1A or 2.4A

Amps	Code
1A	PTXUSB
2.1A	CTC1002-BK
2.1A	CTC1002-WH
2.4A	CTC1003-BK
2.4A	CTC1003-WH
2.4A	ADM70A
3.4A	ADM72



### USB MAINS CHARGER - CTC CELLINK

#### 2.4A USB WITH ADAPTOR LEAD

Compact plug pack with USB socket and a 1.5M long adaptor lead included.  
Cellink Blister Hank Packaging.

Plug	Colour	Code
Micro-USB Male	Black	CTC1004-BK
Micro-USB Male	White	CTC1004-WH
Micro-USB Reversible	Black	CTC1005-BK
Micro-USB Reversible	White	CTC1005-WH
USB-C	Black	CTC1006-BK
USB-C	White	CTC1006-WH
Mini-USB Male	Black	CTC1007-BK



### USB MAINS CHARGER 2.4A

#### COMPACT PLUG-PACK WITH 1.5M LEAD

Plug	Code
Micro-USB Male	CTC1008-BK
Micro-USB Reversible	CTC1009-BK
Mini-USB Male	CTC1010BK



### USB MAINS CHARGER - CELLINK BULK

#### BULK PACKAGING

Compact switch-mode power-packs sold in bulk to save you money if packaging is not required (See CTC Series above for details).

Socket	Lead	Current	Code
USB-Female	Nil	2.1A	BAC1002-BK
USB-Female	Nil	2.1A	BAC1002-WH
USB-Female	Nil	2.4A	BAC1003-BK
USB-Female	Nil	2.4A	BAC1003-WH
USB-Female	Micro-USB	2.4A	BAC1004-BK
USB-Female	Micro-USB	2.4A	BAC1004-WH
USB-Female	Micro-USB Reversible	2.4A	BAC1005-BK
USB-Female	Micro-USB Reversible	2.4A	BAC1005-WH
USB-Female	USB-C	2.4A	BAC1006-BK
USB-Female	USB-C	2.4A	BAC1006-WH
USB-Female	Mini-USB	2.4A	BAC1007-BK
Cord	Micro-USB Male	2.4A	BAC1008BK
Cord	Micro-USB Reversible	2.4A	BAC1009-BK
Cord	Mini-USB	2.4A	BAC1010BK





## USB Chargers

### USB INTELLIGENT CHARGER 6 PORT 51W

#### INTELLIGENT CHARGING COMPATIBLE WITH ALL DEVICES

Outputs total of 51W (10.2 Amps) with 3x high power charging outlets (2.4A) for iPads® and tablets and 3x charging outlets (1A) for mobiles and accessories. Senses the devices power requirements and automatically adjusts the output to power or charge your device at optimal performance and protection. Your device will charge faster than a non-intelligent charger plus battery cycle life is extended. Multiple built-in safety protection functions.

Ports	Code
3x2.4A + 3x1A	LS-6U

**prolink**  
Audio, Visual & Data Integration Products



### USB INTELLIGENT CHARGER 10 PORT 120W - HUB

10 independent USB outputs for fast charging 10 iPads®, tablets, phones at 2.4 Amp each. Ultra-High Power, Intelligent Recognition for Speed Fast Charging with Auto-detecting current control for safe charging. Equipped with the latest G13520 USB3.0 chipset, 4 port hub can transfer data at up to 5Gbps. AC input 100-240V with master power switch. Features over current, over voltage, over temperature protection and short circuit protection. 155x105x32mm



Code
LS-10U24F-HUB



### USB INTELLIGENT CHARGER 10 PORT 60W

#### 60W 5x2.4A or 10x1.0A

5x Fast USB charging ports and 5x regular USB charging ports. The fast charging USB ports can supply 1A or 2.4A of power. Auto switching. Suitable for smartphones and tablets charging. The regular USB charging ports can be used to charge smartphones, iPhones® and other USB charging devices. AC input 100-240V. 1.2M power cord included. Advanced over voltage, current, temperature protection and short circuit protection. 155x60x40mm



Colour	Code
Black	LS-10UH-BK
White	LS-10UH-WH

### USB INTELLIGENT CHARGER 4 PORT 34W

The compact USB charger features 4 intelligent USB charging ports with up to 34 Watts of power (6.8A). It is capable of charging up to 2 iPads/tablets (at 2.4 Amp) and 2 smartphones (at 1 Amp) simultaneously. 100-240Vac. It can automatically identify your device and switch the charging output to give you faster charge at a safe charging current. It includes a 1m power cable, over current & voltage protection, over temperature and short circuit production. Size: 110x38x30mm

Code
LS-4UD



Supplied with a figure 8 power lead. To travel overseas, this lead can be changed to an overseas type lead.

### 4X USB 2.1A INTERNATIONAL

Connect and Charge up to 4 USB devices directly to a mains socket. Includes 4 interchangeable plugs for (AUS, US/Japan, Europe, UK) for worldwide use. Automatic multi-voltage 100-240V. Output is 5V 2.1A Total.

Brand	Code
Korjo	USB04
Jackson	PTA7724



### IN-LINE POWER OUTLET WITH USB SOCKETS

#### BUILT-IN MAINS SURGE PROTECTOR

Power or charge your USB powered devices. USB charging outlets, a power status indicator and a surge protected 240V outlet.

#### TWO USB OUTLETS

Amps	Code
1A (Total)	PT1USB
3.1A (Total)	PT1USB3A

#### FOUR USB OUTLETS

Amps	Code
1A (Total)	PT4USB
4A (Total)	PT4USB4A







# Power & Lighting

## □ Night Light

### MOTION-SENSING LIGHT

#### SOFT HALL LIGHT

Low light soft Globe.  
Walk past this unit and  
it turns on for 2 Min.  
Direct 240Vac plug-in.  
Indoor use only.  
97x60x34mm

Code  
PT911L



## □ AC Power Safety

### PLUG-IN SAFETY PLUG

For child accident prevention.  
Blocks up vacant power point  
sockets with plastic stopper.

#### BUY 1 TO RECEIVE 6

Code  
PSP6



## □ AC Power RCD

### 2M EXTENSION LEAD WITH INLINE RCD 10A

Heavy duty safety extension lead with in-line Residual Current Device (RCD) safety switch for protection against electric shocks. Approved. 2 Metre heavy duty yellow cord.

10A 230-240V 50Hz AC  
3 Core 1.5mm<sup>2</sup> Heavy Duty Cable  
Rated leakage tripping current: 30mA  
Max Tripping time: <0.1s  
2M of length

Amps Code  
10A UR240RCD



### RCD SAFETY EXTENSION LEAD 1.8M

#### IN-LINE RCD SAFETY SWITCH

Heavy duty safety extension lead with in-line Residual Current Device (RCD) safety switch for protection against electric shocks. Rating 240V 10 Amp 2400 watt (max.). 3 Core Heavy Duty Cable 1.8M of length.

Length Size Code  
1.8M 1.0mm<sup>2</sup> ORE18



### RCD SAFETY SWITCH INLINE

Earth leakage safety switch wall plug. 10A

Code  
CPCD859



### RCD SAFETY EXTENSION LEAD 15M

#### SAFETY SWITCH PROTECTION

Heavy duty safety extension lead with built in Residual Current Device (RCD) safety switch mains plug for protection against electric shocks. 240V 10 Amp 2400 watt (max.). 3 Core Heavy Duty Cable 15M of length.

Length Size Code  
15M 1.0mm<sup>2</sup> ORE15



## □ AC Power Work

### SAFETY POWER BRICK

#### PORTABLE OUTLET 2X2

Inbuilt RSD Safety Switch. Elevated stand.  
Toughened plastic construction.  
Safety orange coloured with 2 metre  
1.0mm<sup>2</sup> Heavy-duty lead to clear SAA plug.

Code  
TP04W



### POWER BOARD METAL BOX

Heavy duty metal enclosure Wall mounting screw option Large  
Adaptor Socket spacing Surge & Spike MOV Protection EMI/RFI  
Noise Filter included Illuminated power switch. 10A resettable fuse  
Red in colour. 1.2M Cord.

Type Code  
4 Way L54185  
6 Way L54222  
8 Way L58015







## AC Power Extension Cords

### EXTENSION LEADS WHITE

10A Amp rated with strong cord.  
Safety type socket. All approvals.

Length	Size	Code
2M	1.0mm <sup>2</sup>	ACL202
3M	1.0mm <sup>2</sup>	ACL203
5M	1.0mm <sup>2</sup>	ACL205
7M	1.0mm <sup>2</sup>	ACL207
10M	1.0mm <sup>2</sup>	ACL210
15M	1.0mm <sup>2</sup>	ACL215



### EXTENSION LEADS PIGGY-BACK WHITE

10A Amp Max Rated.  
Piggy back type plug.  
White with 1.0mm<sup>2</sup> wire.

Length	Size	Code
1M	1.0mm <sup>2</sup>	ACL201PB
2M	1.0mm <sup>2</sup>	ACL202PB
3M	1.0mm <sup>2</sup>	ACL203PB
5M	1.0mm <sup>2</sup>	ACL205PB
7M	1.0mm <sup>2</sup>	ACL207PB
10M	1.0mm <sup>2</sup>	ACL210PB
15M	1.0mm <sup>2</sup>	ACL215PB



### EXTENSION LEADS BLACK

10A Amp with Strong Cord.

Length	Size	Code
3M	1.0mm <sup>2</sup>	ACL203BK



### EXTENSION LEADS PIGGY-BACK BLACK

Length	Size	Code
1M	1.0mm <sup>2</sup>	ACL301PB
2M	1.0mm <sup>2</sup>	ACL302PB
3M	1.0mm <sup>2</sup>	ACL303PB
5M	1.0mm <sup>2</sup>	ACL305PB
10M	1.0mm <sup>2</sup>	ACL310PB
10M	1.5mm <sup>2</sup>	ACL311PB
15M	1.5mm <sup>2</sup>	ACL315PB
20M	1.5mm <sup>2</sup>	ACL320PB
25M	1.5mm <sup>2</sup>	ACL325PB



### EXTENSION LEADS ORANGE & CLEAR PLUGS

Length	Size	Code
3.0M	1.0mm <sup>2</sup>	ACL203OR
25M	1.5mm <sup>2</sup>	ACL225

Heavy-duty power extension leads with clear plugs for visual confirmation of integrity.



### "Y" EXTENSION POWER LEAD WHITE

Dimension: 1.5M from the start of the male connector to split, 2x 0.2M from the split to the female connectors, 1.8M in total

Length	Size	Code
1.5M+(2x0.2M)	0.75mm <sup>2</sup>	ACL222



### RCD SAFETY EXTENSION LEAD

#### SAFETY SWITCH PROTECTION

Heavy duty safety extension lead with built in Residual Current Device (RCD) safety switch for protection against electric shocks. 240V 10 Amp 2400 watt (max.)

Length	Size	Code
1.8M	1.0mm <sup>2</sup>	ORE18
15M	1.0mm <sup>2</sup>	ORE15



### CORD SAFETY LOCK

EXTENSION CORD LOCK  
Makes a tight and secure connection of leads that are water resistant. Short term.

Code
ACCL1



### EXTENSION LEAD 15A OVERSIZED

#### OVERSIZED EARTH PLUG & SOCKET

Neon Light Socket. 15A. Orange. Heavy duty PVC for outdoors, welders, caravans, etc. This cord will accept standard sized plugs

Length	Size	Code
10M	1.5mm <sup>2</sup>	CEL10
15M	1.5mm <sup>2</sup>	CEL15



### INLINE COUPLING LOCK

Designed for locking extension plug to socket. Requires attachment prior to cable assembly.

Code
WPC1001



Compatible with 56 series.







# Power & Lighting

## AC Power Surge

### TELEPHONE LINE SURGE PROTECTOR

Highly effective Gas Arrester type voltage spike protection inline Male to Female RJ12 6P2C Quickly Installed protection for modems, phones, & fax machines

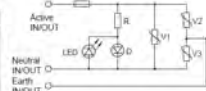
Code  
LPU01



### SLIMLINE SURGE PROTECTOR

Protects your appliances from the hazards of damaging power surges and voltage spikes. With telephone line protection too. MOV x3 & Gas Arrester. Slimline for powerboard mounting. Fully approved C-tick. RJ12 (6P4C) x2 telephone socket. Once the MSPT has been triggered, the indication light will extinguish and the MSPT has done its job and will need replacement

Code  
MSPT10



### APPLIANCE SURGE & RFI/EFI FILTER

#### BUILT-IN NOISE FILTER

The Appliance Surge Protector is ideal for use with whitegoods such as refrigerators and washing machines that include microprocessors as well as computer systems and home entertainment systems to protect them from harmful power surges. In addition to surge protection, this product also includes EMI/RFI filtration to remove line noise that can cause appliances to not operate correctly. Indicator status lights are included to show the status of the mains power supply and surge protection.

Code  
PT0811

**Jackson™**

This product also includes a \$10,000 Connected System Warranty from the manufacturer.



EMI/RFI  
FILTER



### JACKSON CONNECTED SYSTEM WARRANTY

#### LOOK FOR JACKSON PRODUCTS WITH THE WARRANTY LOGO

In addition to the Jackson Product Lifetime Replacement Warranty that may apply to its surge protected powerboards, Jackson Industries is proud to offer a limited Connected System Warranty with some products. The Jackson Connected System Warranty provides cover for certain equipment damaged as a result of an electrical power surge whilst that equipment is properly connected to a Jackson Industries Surge Protected Powerboard.



Now with Connected System Warranty

## AC Double Adaptors

### DOUBLE ADAPTOR

#### STANDARD

Classic style  
Single White. 10A

Code  
MDA10



#### SURGE PROTECTED

Vertical double adaptor  
Arrests voltage surges  
Protects equipment from  
spike voltages on mains  
175J 20ns 6KA MOV x1

Code  
PT6400



### DOUBLE ADAPTOR PAIR

Flat style. 10A  
Sold in L/R pairs.

Code  
DA20RL



## Clocks & Timers

### COMPACT 24 HOUR TIMER SWITCH

Sets and controls your appliances to save valuable energy. This 24 hours timer switch allows a maximum of 48 "ON/OFF" settings every 24 hours with 15 minute switching increments. It features a double pole switch mechanism for extra safety. 230-240V 10A

Code  
PC627



### 24 HOUR TIMER SWITCH TWIN PACK

#### PACK OF TWO

Controls your appliances and save valuable energy with this Arlec 24 hour twin socket timer. It allows you to set a maximum of 48 "ON/OFF" settings every 24 hours. 15 minute switching increments. It has a double pole switch to ensure extra safety. 230-240V 10A. Order one for a pack of 2 timer switches.

Code  
PC729



### TRAVEL CLOCK

#### BATTERY OPERATED LCD

Travel around in alarming fashion with this economical easy viewable time piece. Large LCD display 25mm Blue back-lit Night light. Ascending Alarm Volume 4 Minute snooze button Compact 50x80x110mm Requires 2x "AA" cells.

Colour Code  
Black CL001-BK  
White CL001-WH







## □ Motion & Night Switches

### ENSA LIGHT CONTROL SENSOR

#### EXTERNAL WALL MOUNT

Daylight sensor to control lights at dusk and dawn. Sensitivity for the daylight sensor can be adjusted on the unit. If light levels fall below the set limit, the light control sensor is activated and the connected light will turn on.

Day / Night Ambient light automatic switch  
Adjustable sensitivity <5 - 50 LUX  
Rated 240VAC 10A  
Ø82 x 108mm IP44



Code  
ENSA-LC1

### PIR LIGHT SWITCH

#### RECESSED CEILING MOUNT

Ensure lights only turn on when you need them to with sensor switches. Features day light sensing, PIR motion sensing & on-timer (10s~15min). On-timer, daylight and motion sensors can be adjusted to your exact needs. 360° arc / 6m PIR detection, recessed ceiling mount, indoor use only.



Code  
ENSA-PS3

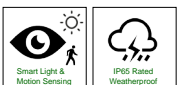
### PIR SENSOR MOTION ACTIVATED SWITCH

#### ENSA IP65 NIGHT SENSOR ADJUSTABLE

Automated motion-activated switch that uses a high-sensitivity pyroelectric sensor to detect motion. It also features a built-in daylight sensor and control electronics. Switches 240Vac 5A. Detection Range 180° / 12m max. On-time Delay 10s ~ 7min. Ingress Protection IP65. Dimensions 80x120x50mm.



Code  
ENS-PS1



Underneath of the ENS-PS1 with daylight and on-timer control dial

### RADAR MOTION ACTIVATED SWITCH

#### ENSA MICROWAVE BEHIND-CAVITY SENSOR

Uses radar to detect motion. Built-in daylight sensor. LEDs for setup. Adjustable detection range (2 ~ 8m radius), 360° detection arc and it may detect motion through doors, glass windows or thin walls. When movement is no longer detected, the light will turn off automatically as per the on-time delay settings (5s ~ 10min). The daylight sensor is also disabled while the light is on, preventing any false triggering of the light. 250Vac 500W 40x60x25mm.

Code  
ENS-MS1



Dependence control motion & daylight sensitivity and on-time delay



### CEILING MOUNT IR MOTION SENSOR

#### WITH LUX & TIME DELAY ADJUSTMENT

360° x 180° IR Coverage  
Up to maximum 12 metres  
With adjustable light level and time delay 10sec-7min.  
240Vac 1200W SPST.  
55x90mmØ IP20

Code  
MS360-05



### CEILING MOUNT PIR MOTION SENSOR FLUSH

#### WITH LUX & TIME DELAY ADJUSTMENT

360° x 180° IR Coverage  
Up to maximum 12 metres  
With adjustable light level and time delay 10sec-15min.  
240Vac 800W SPST.  
Body: 50x40mmØ  
Facia: 17x50mmØ IP20

Code  
MS360-40W



### WALL MOUNT PIR MOTION SENSOR

#### WITH LUX & TIME DELAY ADJUSTMENT

180° IR Coverage with adjustable beam angle 220°  
Up to maximum 12 metres  
With adjustable light level and time delay 10sec-7min.  
240Vac 1200W SPST.  
88x75x95mm IP20

Colour	Code
Black	MS180-9B
White	MS180-9W



### RADAR MOTION ACTIVATED SWITCH

#### ENSA MICROWAVE CEILING MOUNT SENSOR

Ensure lights only turn on when you need them to with sensor switches. ENSA™ sensor switches automatically activate and deactivate your lighting. Featuring light sensing, microwave motion sensing & on-timer. On-timer, daylight and motion sensors can be adjusted to your exact needs. 360° arc/8m microwave detection, circular ceiling mount, indoor use only. On-timer (10s~12min). 40x100mmØ IP20 1200W/300W SPST.

Code  
ENSA-MS2







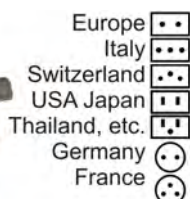
# Power & Lighting

□ Overseas Adaptors □ Inbound

## INBOUND UNIVERSAL MULTI KORJO

2 & 3 pin plugs for USA, Europe, Asia, etc.

Code  
AA01

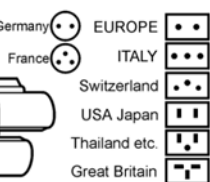
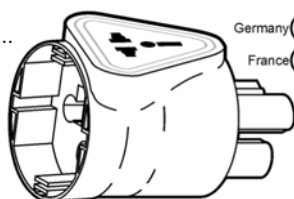


**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

## INBOUND UNIVERSAL MEGA-MULTI KORJO

Accommodates overseas most 2 & 3 pin plugs, British Face Japan, USA, UK, Hong Kong, etc. Europe Face Asia, etc...

Code  
MR02



**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

## INBOUND UNIVERSAL KORJO

2 & 3 pin plugs for USA, Europe, Asia, etc.

Code  
AA02



**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

## INBOUND UNIVERSAL KORJO

2 & 3 pin plugs for Sth-Africa & India

Code  
AA08



**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

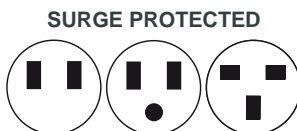
## INBOUND TRAVEL ADAPTOR USA, UK, JAPAN & EUROPE

For incoming tourists to Australia and New Zealand Compatible with plugs from many countries including: Great Britain, Europe, Singapore, Ireland, Middle East, Africa, Asia, Canada, Japan, Philippines, Taiwan, Hong Kong, Bali, Noumea, Tahiti, USA, South America.

Supply rating 100-240VAC ~ 50/60Hz  
Current 10A (Max.)  
Power rating 2400 Watt (max)  
Surge protected 175J  
Surge current: 4,500A  
Response time: <20ns

Code  
PTA878

**Jackson™**  
[www.ji.com.au](http://www.ji.com.au)



**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

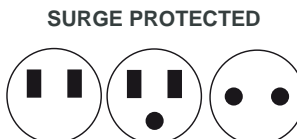
## INBOUND TRAVEL ADAPTOR USA, EUROPE & ASIA

For incoming tourists to Australia and New Zealand Compatible with plugs from many countries including: Europe, Japan, Taiwan, China, USA, Canada, Switzerland Earthed, Italy Earthed, France Earthed, Germany Earthed, Bahamas, Thailand, and parts of South America

Supply rating 100-240VAC ~ 50/60Hz  
Current 10A (Max.) 2400 Watt (max)  
Surge protected 175J  
Surge current: 4,500A  
Response time: <20ns

Code  
PTA929

**Jackson™**  
[www.ji.com.au](http://www.ji.com.au)



**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

## INBOUND MULTI TRAVEL ADAPTOR USA, UK, JAPAN, EUROPE & ASIAN

For incoming tourists to Australia and New Zealand. Converts UK, USA, Japanese, European and Asian power plugs for use in a Australia.

Supply rating 100-240VAC ~ 50/60Hz  
Current 10A (Max.)  
Power rating 2400 Watt (max)  
Surge protected 175J  
Surge current: 4,500A  
Response time: <20ns

Code  
PTAMULTI2

**Jackson™**  
[www.ji.com.au](http://www.ji.com.au)



**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**





## INBOUND USB TRAVEL ADAPTOR USA, UK, JAPAN & EUROPE

### INBUILT 1A USB CHARGER

For incoming tourists to Australia and New Zealand. Accommodates overseas 2 & 3 pin plugs & adapts to Australian & New Zealand sockets. Compatible with plugs from many countries including: Great Britain, Europe, Singapore, Ireland, Middle East, Africa, Asia, Canada, Japan, Philippines, Taiwan, Hong Kong, Bali, Noumea, Tahiti, USA, South America.

Supply rating 100-240VAC ~ 50/60Hz

Current 10A (Max.)

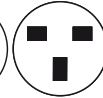
Power rating 2400 Watt (max)

Surge protected 175J

Surge current: 4,500A

Response time: <20ns

USB Outlet 5VDC 1A



Code

PTA878USB

**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

## INBOUND USB TRAVEL ADAPTOR USA, EUROPE & ASIA

### INBUILT 1A USB CHARGER

For incoming tourists to Australia and New Zealand. Accommodates overseas 2 & 3 pin plugs & adapts to Australian & New Zealand sockets. Compatible with plugs from many countries including: Europe, Japan, Taiwan, China, USA, Canada, Switzerland Earthed, Italy Earthed, France Earthed, Germany Earthed, Bahamas, Thailand, and parts of South America

Supply rating 100-240VAC ~ 50/60Hz

Current 10A (Max.)

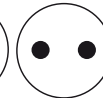
Power rating 2400 Watt (max)

Surge protected 175J

Surge current: 4,500A

Response time: <20ns

USB Outlet 5VDC 1A



Code

PTA929USB

**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

## INBOUND TRAVEL ADAPTOR WITH USB

### INBUILT 1A USB CHARGER

Adapts an Australian socket to many international sockets. Bonus USB socket for charging up to 1A. Surge protected. 90x70x85mm Jackson.



Code

PTAMULTI2USB

**NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE**

## 240V TO 115VAC STEPDOWN TRANSFORMERS

This new range of step-downs use toroidal transformers for efficient, safe, low-noise, portable AC voltage reduction. Housed in an earthed metal box with carry handle. Illuminated power switch, power fuse and thermal fuse protected. Total isolation type circuit. Full approvals for test and certification guarantee suitability and ensure the standard and performance of this range is second to none.

### 240Vac To 115Vac 100W\*

Output 115Vac 0.9A  
2.7Kg 95x170x160mm

Code

TDB115-100

**240VAC  
TO  
115VAC**

### 240Vac To 115Vac 500W

Output 115Vac 4.35A ,  
6.3Kg 145x215x160mm

Code

TDB115-500

### 240Vac To 115Vac 250W

Output 115Vac 2.17A ,  
4.1Kg 120x170x160mm

Code

TDB115-250



### 240Vac To 115Vac 1000W

Output 115Vac 8.7A ,  
10Kg 150x230x180mm

Code

TDB115-1000







# Power & Lighting

□ Overseas Adaptors □ Outbound

## OUTBOUND TRAVEL ADAPTOR USA - KORJO

Not Earthed. For USA,  
Japan, Taiwan, etc

Code  
JA06

APP.V89434

**KORJO™**



## OUTBOUND TRAVEL ADAPTOR USA - KORJO

Canada, etc.

Code  
KAUS

APP.89434

**KORJO™**



## OUTBOUND TRAVEL ADAPTOR UK, HONG KONG

Ireland, Singapore,  
Middle East, Asia,  
Africa, Hong Kong.

Code  
KAUK

**KORJO™**



## OUTBOUND TRAVEL ADAPTOR EUROPE, BALI

Also Noumea, Tahiti,  
Middle East, Asia,  
South America, etc.

Code  
KAEU

**KORJO™**



## OUTBOUND TRAVEL ADAPTOR SOUTH AFRICA

India, Pakistan &  
Sri Lanka, also  
South Africa

Code  
KASI

**KORJO™**



## DOUBLE OUTBOUND TRAVEL ADAPTOR USA

SURGE PROTECTED

Code  
PTA9909

**Jackson™**  
www.ji.com.au



## DOUBLE OUTBOUND USB TRAVEL ADAPTOR UK

SURGE PROTECTED

Code  
PTA9911

**Jackson™**  
www.ji.com.au



## DOUBLE OUTBOUND TRAVEL ADAPTOR EUROPE

SURGE PROTECTED

Code  
PTA9910

**Jackson™**  
www.ji.com.au



## OUTBOUND TRAVEL ADAPTOR USA - JACKSON

NO EARTH PIN

South America, Japan, USA,  
Philippines plus many more.

Code  
PTA8813

**Jackson™**  
www.ji.com.au



## OUTBOUND TRAVEL ADAPTOR USA - JACKSON

Use Australian, & NZ  
appliances in USA,  
Canada plus many more.

Code  
PTA8809

**Jackson™**  
www.ji.com.au



## OUTBOUND TRAVEL ADAPTOR UK, HONG KONG

UK, Hong Kong  
plus many more.

Code  
PTA8811

**Jackson™**  
www.ji.com.au



## OUTBOUND TRAVEL ADAPTOR EUROPE, BALI

Europe, Bali, Korea,  
Indonesia, plus many more.

Code  
PTA8810

**Jackson™**  
www.ji.com.au



## OUTBOUND TRAVEL ADAPTOR SOUTH AFRICA

16A STYLE

South Africa, parts of Pakistan  
and India plus more.

Code  
PTA8812

**Jackson™**  
www.ji.com.au



## OUTBOUND TRAVEL ADAPTOR INDIA, SRI LANKA

6A STYLE

Sri Lanka, Parts of India and  
Bangladesh plus many more

Code  
PTA8814

**Jackson™**  
www.ji.com.au



## PASSPORT ADAPTOR PACK

JACKSON MULTIPACK

Includes three international power outlet  
adaptors for use in USA, Asia, and Europe  
with Australian appliances.

Code  
PTA6663

**Jackson™** Includes:  
PTA8809  
PTA8810  
PTA8811  
www.ji.com.au



## OVERSEAS MODEM ADAPTOR

Suit mobile travellers with Laptops  
and inbuilt modems. 7 adaptors  
from RJ11/12 to most popular world  
plugs. Suit more than 60 countries.

Code  
MA14

**KORJO™**



NOTE: NONE OF THESE ITEMS CONVERT VOLTAGE





## OUTBOUND USB 1A TRAVEL ADAPTOR USA

South America, Japan, USA, Philippines plus many more.

100-240VAC ~ 50/60Hz

Current 10A (Max.)

2400 Watt (max)

USB Outlet 5VDC 1A



Code

PTA8813USB

## OUTBOUND USB 1A TRAVEL ADAPTOR USA

Travel companion.

USB outlet for charging.

100-240VAC ~ 50/60Hz

Current 10A (Max.)

2400 Watt (max)

USB Outlet 5VDC 1A



Code

PTA8809USB

## OUTBOUND USB 1A TRAVEL ADAPTOR UK

UK, Hong Kong plus more.

100-240VAC ~ 50/60Hz

Current 10A (Max.)

2400 Watt (max)

USB Outlet 5VDC 1A



Code

PTA8811USB

## OUTBOUND USB 1A TRAVEL ADAPTOR EUROPE

100-240VAC ~ 50/60Hz

Current 10A (Max.)

2400 Watt (max)

USB Outlet 5VDC 1A



Code

PTA8810USB

## OUTBOUND USB TRAVEL ADAPTOR PAKISTAN

South Africa, parts of Pakistan and India plus many more.

Fits to 16A sockets only.

100-240VAC ~ 50/60Hz

Current 10A (Max.)

2400 Watt (max)

USB Outlet 5VDC 1A



Code

PTA8812USB

## OUTBOUND USB 1A TRAVEL ADAPTOR INDIA

Indian and Sri Lankan

6-Amp style outlet,

100-240VAC ~ 50/60Hz

Current 10A (Max.)

2400 Watt (max)

USB Outlet 5VDC 1A



Code

PTA8814USB

## OUTBOUND UNIVERSAL ADAPTOR WITH USB 1A

ADAPTS 150 COUNTRIES TO AN AUSTRALIAN SOCKET (NO EARTH)

Code

PTAUSB

Jackson™  
www.ji.com.au



## OUTBOUND USB 2.1A TRAVEL ADAPTOR EUROPE

EUROPE BALI KOREA INDONESIA

Suitable for use with Australian/NZ appliances overseas. Also fitted with 110-240Vac in to 4x USB charging outlets (2.1A max) for powering USB. Surge protected power outlet.

\*Does not convert AC voltages.

Code

PTA410USB



## OUTBOUND USB 2.1A TRAVEL ADAPTOR USA

USA WITH EARTH

Suitable for use with Australian/NZ appliances overseas. Also fitted with 110-240Vac in to 4x USB charging outlets (2.1A max) for powering USB.

\*Does not convert AC voltages.

Code

PTA409USB



## OUTBOUND USB 2.1A TRAVEL ADAPTOR UK

UK HONG-KONG MALAYSIA VIETNAM

Suitable for use with Australian/NZ appliances overseas. Also fitted with 110-240Vac in to 4x USB charging outlets (2.1A max) for powering USB.

\*Does not convert AC voltages.

Code

PTA411USB



## OUTBOUND INTERNATIONAL USB 3.1A

SUITABLE FOR AU, UK, HONG KONG, USA, CANADA & MORE

This compact USB charger is perfect for travellers to UK, Hong Kong, USA, Canada and more. Suitable for charging most portable electronic devices, it provides two high power USB outlets for quickly charging your phone, tablet, etc.

Code

PTA9932



## OUTBOUND INTERNATIONAL USB 3.1A

SUITABLE FOR AU, EUROPE, BALI, USA, CANADA & MORE

This compact USB charger is perfect for travellers to Europe, Bali, USA, Canada and more. Suitable for charging most portable electronic devices, it provides two high power USB outlets for quickly charging your phone, tablet, etc.

Code

PTA9930



## OUTBOUND INTERNATIONAL 4X USB 2.1A

Connect and Charge up to 4 USB devices directly to a mains socket. Includes 4 interchange plugs for (AUS, US/Japan, Europe, UK) for worldwide use. Automatic multi-voltage 100-240V. Output is 5V 2.1A Total.

Brand

Korjo USB04

Jackson PTA7724



NOTE: AC PASS-THROUGH DOES NOT CONVERT VOLTAGE. USB Power feature will work from 100Vac to 240Vac.





# Power & Lighting

## IEC Lock

### IEC Lock

WORKS WITH ANY  
STANDARD EXISTING  
IEC SOCKET



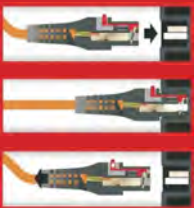
GUARDS AGAINST  
ACCIDENTAL  
DISCONNECTION OF  
MAINS POWER

### How it works!

Push the connector into the standard IEC inlet and it is locked in position

Connector CANNOT be accidentally pulled or vibrated out of the inlet

Slide back the RED tab to release and remove the connector from the outlet



### IEC C13 LOCK TO 10A GPO PLUG

REPLACES ANY IEC C13 MAINS LEAD

Length	Size	Code
0.5M	1.0mm <sup>2</sup>	IEC406-05
1.0M	1.0mm <sup>2</sup>	IEC406-1
2.0M	1.0mm <sup>2</sup>	IEC406-2
3.0M	1.0mm <sup>2</sup>	IEC406-3
5.0M	1.0mm <sup>2</sup>	IEC406-5



### IEC C13 LOCK TO 10A GPO PLUG - MEDICAL

CLEAR PLUG FOR INSPECTION

Length	Size	Code
50cm	1.0mm <sup>2</sup>	IEC406OR-05
1.0M	1.0mm <sup>2</sup>	IEC406OR-1
3.0M	1.0mm <sup>2</sup>	IEC406OR-3
5.0M	1.0mm <sup>2</sup>	IEC406OR-5



### IEC CLEAR C13 LOCK TO 10A PLUG - MEDICAL

CLEAR PLUGS FOR INSPECTION

Length	Size	Code
1.0M	1.0mm <sup>2</sup>	IEC406CL-1
2.0M	1.0mm <sup>2</sup>	IEC406CL-2
3.0M	1.0mm <sup>2</sup>	IEC406CL-3
5.0M	1.0mm <sup>2</sup>	IEC406CL-5



### IEC C13 LOCK TO 10A GPO PLUG PIGGY-BACK

C13 LOCKING SOCKET POWER LEAD 10A

Length	Size	Code
1.0M	1.0mm <sup>2</sup>	IEC486-1
2.0M	1.0mm <sup>2</sup>	IEC486-2
3.0M	1.0mm <sup>2</sup>	IEC486-3



### IEC C13 LOCK TO 10A GPO CAPTIVE PLUG

IEC Locking Socket to Captive SAA Plug.  
Unique 'Patented' female C13 socket, suitable for use with any standard IEC connector.  
Protects computer, medical and other important equipment from accidental disconnection.

Length	Size	Colour	Code
3.0M	1.0mm <sup>2</sup>	Grey	ACL31710GY-3
3.0M	1.0mm <sup>2</sup>	Orange	ACL31710OR-3



### IEC C13 LOCK TO C14

Length	Size	Colour	Code
0.5M	1.0mm <sup>2</sup>	Black	IEC120-05
1.0M	1.0mm <sup>2</sup>	Black	IEC120-1
2.0M	1.0mm <sup>2</sup>	Black	IEC120-2
3.0M	1.0mm <sup>2</sup>	Black	IEC120-3
0.5M	1.0mm <sup>2</sup>	Red	IEC120RD-05
1.0M	1.0mm <sup>2</sup>	Red	IEC120RD-1
2.0M	1.0mm <sup>2</sup>	Red	IEC120RD-2
3.0M	1.0mm <sup>2</sup>	Red	IEC120RD-3



### IEC C13 LOCK TO BARE WIRE

C13 LOCKING PIN

Length	Size	Code
3.0M	1.0mm <sup>2</sup>	IEC119-3



### IEC C13 PANEL SOCKET LOCK

With IEC Locking button.  
Suits any IEC C14 Plug.

Code
IEC207



### IEC C13 INLINE SOCKET - IEC LOCK

SCREW-TERMINAL WIRING

Code
ACS13-LOCK



### IEC C19 LOCK MAINS LEAD 15A

OVERSIZED EARTH PIN TO IEC-LOCK

Length	Size	Code
1.0M	1.5mm <sup>2</sup>	IEC156-1
2.0M	1.5mm <sup>2</sup>	IEC156-2
3.0M	1.5mm <sup>2</sup>	IEC156-3
5.0M	1.5mm <sup>2</sup>	IEC156-5



### IEC C19 LOCK TO 15A CAPTIVE MAINS PLUG

15 Amp captive mains plug with over-sized earth pin and 1.5mm<sup>2</sup> cable to C19 IEC-lock. The IEC-Lock C19 is compatible and locks with any standard C20 Socket.

Length	Size	Plug	Code
3M	1.5mm <sup>2</sup>	Orange Capture	ACL31715OR-3



### IEC C19 LOCK TO C20

C19 LOCKING SOCKET TO C20 PLUG 15A

Length	Size	Code
1.0M	1.5mm <sup>2</sup>	IEC157-1
2.0M	1.5mm <sup>2</sup>	IEC157-2
3.0M	1.5mm <sup>2</sup>	IEC157-3
5.0M	1.5mm <sup>2</sup>	IEC157-5



### IEC C19 LOCK TO BARE END

C19 LOCKING PIN

IEC Lock C19 AC Cable with bare ends.

Length	Size	Code
1.0M	1.5mm <sup>2</sup>	IEC166-1
3.0M	1.5mm <sup>2</sup>	IEC166-3
5.0M	1.5mm <sup>2</sup>	IEC166-5



### IEC C19 PANEL SOCKET LOCK

With IEC Locking button.  
Suits any IEC C20 Plug.

Code
IEC209



www.IECLock.com





## AC Power Leads IEC

### POWER LEADS IEC C13 BLACK

#### SUPPLIED IN BULK

Cable Size mm<sup>2</sup> is multi-strand wire diameter.  
RoHS. SAA Approved. Black. Supplied in bulk  
(no packaging). 10A 250Vac.

Length	Size	Code
0.3M	1.0mm <sup>2</sup>	ACL406BK-03
0.5M	0.75mm <sup>2</sup>	ACL106BK-05
0.5M	1.0mm <sup>2</sup>	ACL406BK-05
0.75M	1.0mm <sup>2</sup>	ACL406BK-075
1.0M	0.75mm <sup>2</sup>	ACL106BK-1
1.0M	1.0mm <sup>2</sup>	ACL406BK-1
1.5M	1.0mm <sup>2</sup>	ACL406BK-15
1.8M	0.75mm <sup>2</sup>	ACL106BK-18
2.0M	1.0mm <sup>2</sup>	ACL406BK-2
2.5M	1.0mm <sup>2</sup>	ACL406BK-25
3.0M	0.75mm <sup>2</sup>	ACL106BK-3
3.0M	1.0mm <sup>2</sup>	ACL406BK-3
4.0M	1.0mm <sup>2</sup>	ACL406BK-4
5.0M	1.0mm <sup>2</sup>	ACL406BK-5
7.5M	1.0mm <sup>2</sup>	ACL406BK-75
10M	1.0mm <sup>2</sup>	ACL406BK-10



### POWER LEAD IEC C13 - GREY

Cable Size mm<sup>2</sup> is multi-strand wire diameter.  
RoHS. SAA Approved. Grey. Supplied in bulk.

Length	Size	Code
1.8M	0.75mm <sup>2</sup>	ACL106GY-2



### IEC C13 LOCK MAINS CORD

#### WITH IEC-LOCK

Length	Size	Code
0.5M	1.0mm <sup>2</sup>	IEC406-05
1.0M	1.0mm <sup>2</sup>	IEC406-1
2.0M	1.0mm <sup>2</sup>	IEC406-2
3.0M	1.0mm <sup>2</sup>	IEC406-3
5.0M	1.0mm <sup>2</sup>	IEC406-5



### IEC C13 TO 10A GPO PLUG - MEDICAL

#### ORANGE WITH CLEAR PLUGS

Straight IEC Plug. "R/L" is Right/Left Angle IEC Plug\*\*

Length	Size	Code
1.0M	1.0mm <sup>2</sup>	ACL406OR-1
1.5M	0.75mm <sup>2</sup>	ACL106OR-15
2.0M	1.0mm <sup>2</sup>	ACL406OR-2
2.0M**	1.0mm <sup>2</sup>	ACL406OR-2R
2.0M**	1.0mm <sup>2</sup>	ACL406OR-2L
3.0M	1.0mm <sup>2</sup>	ACL406OR-3
4.0M	1.0mm <sup>2</sup>	ACL406OR-4
5.0M	1.0mm <sup>2</sup>	ACL406OR-5
6.0M	1.0mm <sup>2</sup>	ACL406OR-6
8.0M	1.0mm <sup>2</sup>	ACL406OR-8
2.0M	0.75mm <sup>2</sup>	ACL106OR-2



### IEC C13 LOCK TO 10A GPO PLUG - MEDICAL

#### CLEAR PLUG FOR INSPECTION

Length	Size	Code
50cm	1.0mm <sup>2</sup>	IEC406OR-05
1.0M	1.0mm <sup>2</sup>	IEC406OR-1
3.0M	1.0mm <sup>2</sup>	IEC406OR-3
5.0M	1.0mm <sup>2</sup>	IEC406OR-5



### IEC CLEAR C13 LOCK TO 10A PLUG - MEDICAL

#### CLEAR PLUGS FOR INSPECTION

Length	Size	Code
1.0M	1.0mm <sup>2</sup>	IEC406CL-1
2.0M	1.0mm <sup>2</sup>	IEC406CL-2
3.0M	1.0mm <sup>2</sup>	IEC406CL-3
5.0M	1.0mm <sup>2</sup>	IEC406CL-5



### POWER LEAD IEC C13 - R/A PLUG

Length	Size	Code
1.0M	0.75mm <sup>2</sup>	ACL106RA-1
1.0M	1.0mm <sup>2</sup>	ACL406RA-1
2.0M	0.75mm <sup>2</sup>	ACL106RA-2



### IEC C13 LEAD R/A TO R/A PLUG

Right angle mains cord with IEC C-13 left angle

Length	Size	Code
2M	0.75mm <sup>2</sup>	ACL115



### IEC C13 PIGGY-BACK PLUG

Length	Size	Code
0.75M	1.0mm <sup>2</sup>	ACL486-075
1.0M	1.0mm <sup>2</sup>	ACL486-1
1.5M	1.0mm <sup>2</sup>	ACL486-15
2.0M	1.0mm <sup>2</sup>	ACL486-2
3.0M	1.0mm <sup>2</sup>	ACL486-3
5.0M	1.0mm <sup>2</sup>	ACL486-5
10M	1.0mm <sup>2</sup>	ACL486-10



### IEC C13 CABLE WITH 90 DEGREE PLUG

Length	Size	Colour	Code
1.0M	0.75mm <sup>2</sup>	Black	ACL110-1
1.8M	0.75mm <sup>2</sup>	Black	ACL110-18
2.0M**	1.0mm <sup>2</sup>	Orange	ACL406OR-2R
3.0M	0.75mm <sup>2</sup>	Black	ACL110-3
5.0M	1.0mm <sup>2</sup>	Black	ACL110-5



### IEC C13 LEFT ANGLE

Left angled plug is as Right Angled plugs, but flipped 180°

Length	Size	Colour	Code
1.8M	0.75mm <sup>2</sup>	Black	ACL111-18
2.0M**	1.0mm <sup>2</sup>	Orange	ACL406OR-2L
3.0M	1.0mm <sup>2</sup>	Black	ACL111-3



\*\*Orange leads are "Medical Grade" and have clear plugs for safety inspection.

### 10A CAPTIVE TO C13 MAINS CORD

Length	Size	Colour	Code
3.0M	1.0mm <sup>2</sup>	Orange	ACL31610OR-3
3.0M	1.0mm <sup>2</sup>	Grey	ACL31610GY-3



### 10A CAPTIVE TO C13 LOCK MAINS CORD

Colour refers to captive ring. IEC Locking Socket.

Length	Size	Colour	Code
3.0M	1.0mm <sup>2</sup>	Orange	ACL31710OR-3
3.0M	1.0mm <sup>2</sup>	Grey	ACL31710GY-3



### IEC C13 TO ROUND EARTH

Mains plug has a round earth pin.

Length	Code
2.0M	ACL107-2
3.0M	ACL107-3







# Power & Lighting

## 2x IEC C13 TO 10A MAINS POWER CORD

### AC PLUG TO 2X IEC PLUGS

Power two IEC 13 power outlets from a single Mains plug.

Length	Code
0.5M + (2x 0.5M)	ACL604
0.4M + (2x 1.6M)	ACL605
4.1M+(2x0.9M)	ACL605-5

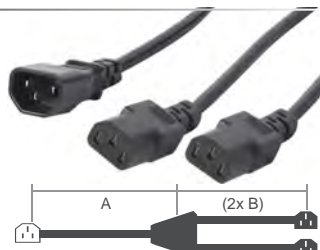


## IEC C14 SPLIT TO 2x C13

### IEC SOCKET TO 2X IEC PLUGS

Plug a PC and a monitor into the one socket.

Length	Code
0.3M + (2x 0.3M)	ACL606-06
0.4M + (2x 1.6M)	ACL606-2



## IEC C14 PLUG TO AC SOCKET

As used with UPS power backups and AT computers, etc. 10A

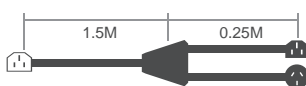
Length	Size	Code
30cm	1.0mm <sup>2</sup>	ACL124-030
1.8M	1.0mm <sup>2</sup>	ACL124-2
3M	1.0mm <sup>2</sup>	ACL124-3



## IEC C14 SPLIT TO C13 & MAINS SOCKET

IEC Y cord lead C14 to 1x C13 + 1 x 10A Mains socket

Length	Size	Code
1.5M+ 2x 0.25M	1.0mm <sup>2</sup>	ACL123



## IEC C13 TO C14 POWER CORD - BLACK

Length	Size	Code
0.3M	0.75mm <sup>2</sup>	ACL120-03
0.3M	1.0mm <sup>2</sup>	ACL420-03
0.5M	0.75mm <sup>2</sup>	ACL120-05
0.5M	1.0mm <sup>2</sup>	ACL420-05
0.75M	0.75mm <sup>2</sup>	ACL120-075
0.75M	1.0mm <sup>2</sup>	ACL420-075
1.0M	0.75mm <sup>2</sup>	ACL120-1
1.0M	1.0mm <sup>2</sup>	ACL420-1
1.5M	0.75mm <sup>2</sup>	ACL120-15
1.5M	1.0mm <sup>2</sup>	ACL420-15
1.8M	0.75mm <sup>2</sup>	ACL120-18
1.8M	1.5mm <sup>3</sup>	ACL620-18
2.0M	0.75mm <sup>2</sup>	ACL120-2
2.0M	1.0mm <sup>2</sup>	ACL420-2
2.5M	0.75mm <sup>2</sup>	ACL120-25
3.0M	0.75mm <sup>2</sup>	ACL120-3
3.0M	1.0mm <sup>2</sup>	ACL420-3
4.0M	1.0mm <sup>2</sup>	ACL420-4
5.0M	0.75mm <sup>2</sup>	ACL120-5
5.0M	1.0mm <sup>2</sup>	ACL420-5
6.0M	1.0mm <sup>2</sup>	ACL420-6
8.0M	1.0mm <sup>2</sup>	ACL420-8
10M	1.0mm <sup>2</sup>	ACL420-10

IEC Plug to Socket



## IEC C14 TO C13 LOCK - RED

WITH IEC-LOCK

Length	Size	Code
0.5M	1.0mm <sup>2</sup>	IEC120RD-05
1.0M	1.0mm <sup>2</sup>	IEC120RD-1
2.0M	1.0mm <sup>2</sup>	IEC120RD-2
3.0M	1.0mm <sup>2</sup>	IEC120RD-3



## IEC C14 TO C13 LOCK - BLACK

WITH IEC-LOCK

Length	Size	Code
0.5M	1.0mm <sup>2</sup>	IEC120-05
1.0M	1.0mm <sup>2</sup>	IEC120-1
2.0M	1.0mm <sup>2</sup>	IEC120-2
3.0M	1.0mm <sup>2</sup>	IEC120-3



## IEC C13 TO C14 - WHITE

Length	Size	Code
75cm	1.0mm <sup>2</sup>	ACL420WH-075
1.0M	1.0mm <sup>2</sup>	ACL420WH-1
1.5M	1.0mm <sup>2</sup>	ACL420WH-15
2.0M	0.75mm <sup>2</sup>	ACL120WH-2
2.5M	1.0mm <sup>2</sup>	ACL420WH-25
3.0M	1.0mm <sup>2</sup>	ACL420WH-3
4.0M	1.0mm <sup>2</sup>	ACL420WH-4
5.0M	1.0mm <sup>2</sup>	ACL420WH-5
6.0M	1.0mm <sup>2</sup>	ACL420WH-6
8.0M	1.0mm <sup>2</sup>	ACL420WH-8



## IEC C13 TO C14 - BLUE

Length	Size	Code
1.0M	1.0mm <sup>2</sup>	ACL420BU-1
1.5M	0.75mm <sup>2</sup>	ACL120BU-15
2.0M	0.75mm <sup>2</sup>	ACL120BU-2
2.5M	1.0mm <sup>2</sup>	ACL420BU-25
3.0M	1.0mm <sup>2</sup>	ACL420BU-3
4.0M	1.0mm <sup>2</sup>	ACL420BU-4
5.0M	1.0mm <sup>2</sup>	ACL420BU-5
6.0M	1.0mm <sup>2</sup>	ACL420BU-6
8.0M	1.0mm <sup>2</sup>	ACL420BU-8



## IEC C13 TO C14 - RED

Length	Size	Code
0.3M	0.75mm <sup>2</sup>	ACL120RD-03
0.5M	1.0mm <sup>2</sup>	ACL420RD-05
0.75M	0.75mm <sup>2</sup>	ACL120RD-075
1.0M	1.0mm <sup>2</sup>	ACL420RD-1
1.5M	0.75mm <sup>2</sup>	ACL120RD-15
2.0M	1.0mm <sup>2</sup>	ACL420RD-2
2.5M	1.0mm <sup>2</sup>	ACL420RD-25
3.0M	1.0mm <sup>2</sup>	ACL420RD-3
4.0M	1.0mm <sup>2</sup>	ACL420RD-4
5.0M	1.0mm <sup>2</sup>	ACL420RD-5
6.0M	1.0mm <sup>2</sup>	ACL420RD-6
8.0M	1.0mm <sup>2</sup>	ACL420RD-8



## IEC C13 TO C14 - CLEAR ENDS

Length	Size	Code
0.3M	1.0mm <sup>2</sup>	ACL420CL-03
0.5M	1.0mm <sup>2</sup>	ACL420CL-05
0.75M	1.0mm <sup>2</sup>	ACL420CL-075
1.0M	1.0mm <sup>2</sup>	ACL420CL-1
1.5M	1.0mm <sup>2</sup>	ACL420CL-15
2.0M	1.0mm <sup>2</sup>	ACL420CL-2
2.5M	1.0mm <sup>2</sup>	ACL420CL-25
3.0M	1.0mm <sup>2</sup>	ACL420CL-3
4.0M	1.0mm <sup>2</sup>	ACL420CL-4
5.0M	1.0mm <sup>2</sup>	ACL420CL-5
6.0M	1.0mm <sup>2</sup>	ACL420CL-6
8.0M	1.0mm <sup>2</sup>	ACL420CL-8







## IEC C19 TO 10A MAINS

UPS Type Socket Plug to standard sized 10A Mains Plug.

Length	Code
2.0M	ACL109-2
5.0M	ACL109-5



## IEC C19 TO 10A MAINS - CIRCUIT BREAKER

### THERMAL FUSE LEAD

10Amp plug to C19 Socket.  
10A 240VAC circuit breaker  
Bi-Metal type resettable  
3M total length (1.5+1.5M)

Length	Size	Code
3M	1.5mm <sup>2</sup>	ACL160-3



## IEC C19 LOCK TO 10A GPO

### C19 LOCKING SOCKET TO GPO 10A PLUG

Length	Size	Code
2.0M	1.5mm <sup>2</sup>	IEC109-2



## 15A HEAVY-DUTY IEC C19

IEC C19 To 15A SAA Plug with Oversized Earth pin.  
As used in some industrial style equipment (UPS, etc.)

Length	Size	Code
0.75M	1.5mm <sup>2</sup>	ACL156-075
1.0M	1.5mm <sup>2</sup>	ACL156-1
1.5M	1.5mm <sup>2</sup>	ACL156-15
2.0M	1.5mm <sup>2</sup>	ACL156-2
2.0M	2.5mm <sup>2</sup>	ACL656-2
2.5M	1.5mm <sup>2</sup>	ACL156-25
3.0M	1.5mm <sup>2</sup>	ACL156-3
4.0M	1.5mm <sup>2</sup>	ACL156-4
5.0M	1.5mm <sup>2</sup>	ACL156-5
5.0M	2.5mm <sup>2</sup>	ACL656-5
7.5M	1.5mm <sup>2</sup>	ACL156-75
10M	1.5mm <sup>2</sup>	ACL156-10
10M	2.5mm <sup>2</sup>	ACL656-10



## IEC C19 LOCK TO 15A OVERSIZED EARTH PIN

Length	Size	Code
1.0M	1.5mm <sup>2</sup>	IEC156-1
2.0M	1.5mm <sup>2</sup>	IEC156-2
3.0M	1.5mm <sup>2</sup>	IEC156-3
5.0M	1.5mm <sup>2</sup>	IEC156-5



## 15A CAPTIVE MAINS PLUG TO C19

15 Amp captive mains plug with oversized earth pin To IEC19.  
Colour refers to the captive ring.

Length	Size	Colour	Code
3M	1.5mm <sup>2</sup>	Orange	ACL31615OR-3
3M	1.5mm <sup>2</sup>	Grey	ACL31615GY-3



## 15A CAPTIVE MAINS PLUG TO C19 LOCK

15 Amp captive mains plug with 1.5mm<sup>2</sup> cable to IEC19 lock. IEC-LOCK C19 is compatible and locks with any C20 Socket. Colour refers to the captive ring.

Length	Size	Plug	Code
3M	1.5mm <sup>2</sup>	Orange	ACL31715OR-3 Capture



## IEC C14 TO C19

Length	Size	Code
0.3M	1.5mm <sup>2</sup>	ACL158-03
1.0M	1.5mm <sup>2</sup>	ACL158-1
2.0M	1.5mm <sup>2</sup>	ACL158-2



## 15A HEAVY-DUTY IEC EXTENSION C19 TO C20

### IEC-320 C19 SOCKET

Length	Size	Code
25cm	1.5mm <sup>2</sup>	ACL157-025
50cm	1.5mm <sup>2</sup>	ACL157-050
75cm	1.5mm <sup>2</sup>	ACL157-075
1.0M	1.5mm <sup>2</sup>	ACL157-1
1.5M	1.5mm <sup>2</sup>	ACL157-150
2.0M	1.5mm <sup>2</sup>	ACL157-2
2.5M	1.5mm <sup>2</sup>	ACL157-25
3.0M	1.5mm <sup>2</sup>	ACL157-3
4.0M	1.5mm <sup>2</sup>	ACL157-4
5.0M	1.5mm <sup>2</sup>	ACL157-5
6.0M	1.5mm <sup>2</sup>	ACL157-6
8.0M	1.5mm <sup>2</sup>	ACL157-8
10M	1.5mm <sup>2</sup>	ACL157-10
10M	2.5mm <sup>2</sup>	ACL657-10



## IEC C20 TO C19 LOCK

### WITH LOCKING PIN

Length	Size	Code
1.0M	1.5mm <sup>2</sup>	IEC157-1
2.0M	1.5mm <sup>2</sup>	IEC157-2
3.0M	1.5mm <sup>2</sup>	IEC157-3
5.0M	1.5mm <sup>2</sup>	IEC157-5



## IEC C19 TO C20 - RED

Length	Size	Code
0.5M	1.5mm <sup>2</sup>	ACL157RD-05
0.75M	1.5mm <sup>2</sup>	ACL157RD-075
1.0M	1.5mm <sup>2</sup>	ACL157RD-1
1.5M	1.5mm <sup>2</sup>	ACL157RD-15
2.0M	1.5mm <sup>2</sup>	ACL157RD-2
2.5M	1.5mm <sup>2</sup>	ACL157RD-25
3.0M	1.5mm <sup>2</sup>	ACL157RD-3
4.0M	1.5mm <sup>2</sup>	ACL157RD-4
5.0M	1.5mm <sup>2</sup>	ACL157RD-5
8.0M	1.5mm <sup>2</sup>	ACL157RD-8



## IEC C19 TO C20 - BLUE

Length	Size	Code
0.5M	1.5mm <sup>2</sup>	ACL157BU-05
0.75M	1.5mm <sup>2</sup>	ACL157BU-075
1.0M	1.5mm <sup>2</sup>	ACL157BU-1
1.5M	1.5mm <sup>2</sup>	ACL157BU-15
2.0M	1.5mm <sup>2</sup>	ACL157BU-2
2.5M	1.5mm <sup>2</sup>	ACL157BU-25
3.0M	1.5mm <sup>2</sup>	ACL157BU-3
4.0M	1.5mm <sup>2</sup>	ACL157BU-4
5.0M	1.5mm <sup>2</sup>	ACL157BU-5
8.0M	1.5mm <sup>2</sup>	ACL157BU-8



## IEC C19 TO C20 - WHITE

Length	Size	Code
0.5M	1.5mm <sup>2</sup>	ACL157WH-05
0.75M	1.5mm <sup>2</sup>	ACL157WH-075
1.0M	1.5mm <sup>2</sup>	ACL157WH-1
1.5M	1.5mm <sup>2</sup>	ACL157WH-15
2.0M	1.5mm <sup>2</sup>	ACL157WH-2
2.5M	1.5mm <sup>2</sup>	ACL157WH-25
3.0M	1.5mm <sup>2</sup>	ACL157WH-3
4.0M	1.5mm <sup>2</sup>	ACL157WH-4
5.0M	1.5mm <sup>2</sup>	ACL157WH-5
8.0M	1.5mm <sup>2</sup>	ACL157WH-8



## IEC C13 TO C20

Length	Size	Code
0.3M	1.5mm <sup>2</sup>	ACL159-03
2M	1.5mm <sup>2</sup>	ACL159-2







# Power & Lighting

## AC Power Leads Misc

### IEC C14 to C15 KEYWAY - HIGH TEMP

IEC C14 to IEC C15 power cord

Length	Size	Code
0.5M	1.0mm <sup>2</sup>	ACL170-05
1.0M	1.0mm <sup>2</sup>	ACL170-1
1.5M	1.0mm <sup>2</sup>	ACL170-15
2.0M	1.0mm <sup>2</sup>	ACL170-2
3.0M	1.0mm <sup>2</sup>	ACL170-3



### IEC C15 MAINS CORD - KEYWAY

Note the Keyway. 10A Hi-Temp. Suit Kettles, Projectors and other appliances. Cable 1.0mm<sup>2</sup>.



Length	Colour	Code
1.0M	White	ACL140-1
2.0M	White	ACL140-2
1.0M	Black	ACL141-1
2.0M	Black	ACL141-2



### AC LEAD FIGURE EIGHT IEC C7

Length	Size	Code
0.5M	0.75mm <sup>2</sup>	ACL104-05
0.75M	0.75mm <sup>2</sup>	ACL104-075
1.0M	0.75mm <sup>2</sup>	ACL104-1
1.8M	0.75mm <sup>2</sup>	ACL104-18
2.0M	0.75mm <sup>2</sup>	ACL104-2
3.0M	0.75mm <sup>2</sup>	ACL104-3
5.0M	0.75mm <sup>2</sup>	ACL104-5



#### WHITE

Length	Size	Code
2.0M	0.75mm <sup>2</sup>	ACL104WH-2

### AC LEAD FIGURE EIGHT IEC C7 - RIGHT ANGLE

#### RIGHT ANGLE MAINS PLUG

Length	Size	Code
2.0M	0.75mm <sup>2</sup>	ACL104RA-2



### PIGGYBACK PLUG TO FIGURE EIGHT IEC C7

#### FIGURE EIGHT LEAD

Length	Size	Code
2.0M	0.75mm <sup>2</sup>	ACL144-2



### IEC-C7 APPLIANCE POWER CORD RIGHT ANGLED

#### STRAIGHT AC PLUG

Length	Size	Code
2M	0.75mm <sup>2</sup>	ACL105RA-2



#### RIGHT ANGLED AC PLUG

Length	Size	Code
1.0m	0.75mm <sup>2</sup>	ACL104RA2-1
2.0m	0.75mm <sup>2</sup>	ACL104RA2-2
3.0m	0.75mm <sup>2</sup>	ACL104RA2-3



### AC LEAD CLOVER LEAF IEC C5

#### STRAIGHT AC PLUG

Length	Size	Code
0.5M	0.75mm <sup>2</sup>	ACL112-05
0.5M	1.0mm <sup>2</sup>	ACL412-05
1M	1.0mm <sup>2</sup>	ACL412-1
1.8M	0.75mm <sup>2</sup>	ACL112
2M	1.0mm <sup>2</sup>	ACL412-2
3M	1.0mm <sup>2</sup>	ACL412-3
5M	1.0mm <sup>2</sup>	ACL412-5



#### RIGHT ANGLED AC PLUG

Length	Size	Code
1m	1.0mm <sup>2</sup>	ACL412RA-1
2m	1.0mm <sup>2</sup>	ACL412RA-2



### AC LEAD CLOVER LEAF IEC C5 TO C14

Length	Size	Code
1M	0.75mm <sup>2</sup>	ACL132-1
2M	0.75mm <sup>2</sup>	ACL132-2



## Overseas Power Leads

### IEC C13 TO US PLUG

110Vac USA mains plug.

Length	Colour	Code
1.8M	Black	ACL106US-18
3.0M	Grey	ACL106US-3



### IEC C13 TO UK PLUG

230Vac UK Mains Plug with Fuse. Suits UK, HongKong, Singapore, etc.

Length	Code
1.5M	ACL106UK-15
2.0M	ACL106UK-2



### IEC C13 TO EUROPE PLUG

Right angled European 230Vac 10A.

Length	Code
1.5M	ACL106EU-15
2.0M	ACL106EU-2



### IEC C5 TO US PLUG

110Vac USA Plug to 3 Pin C5 connector.

Length	Code
2.0M	ACL112US-2



### IEC C7 TO US PLUG

110Vac 2 core to common figure 8.

Length	Code
2.0M	ACL104US-2



### IEC C7 TO UK PLUG

230Vac 3 Pin UK Plug to common figure 8. UK, HongKong, Singapore, etc.

Length	Code
2.0M	ACL104UK-2



### IEC C7 TO EUROPE PLUG

2 Pin European Plug to common figure 8.

Length	Code
2.0M	ACL104EU-2



NOTE: NONE OF THESE ITEMS CONVERT VOLTAGE





## AC Power Plugs & Connectors

### 2 PIN PLUG MAINS CORD TO BARE END

With 2 pin plug 1.8M in length  
Cable Size 0.75mm<sup>2</sup>

Length	Size	Code
1.8M	0.75mm <sup>2</sup>	ACL130



### 3 PIN PLUG MAINS CORD TO BARE END

Length	Size	Code
1.0M	0.75mm <sup>2</sup>	ACL135-1
1.8M	0.75mm <sup>2</sup>	ACL135-18
2.0M	1.0mm <sup>2</sup>	ACL435-2
3.0M	1.5mm <sup>2</sup>	ACL635-3



### 3 PIN PLUG MAINS CORD TO CRIMP TERMINALS

#### WITH SPADE CONNECTORS

Includes connectors 6.3mm and Earth ring terminal To 3 pin plug 1.6M cord

Length	Size	Code
1.6M	1.0mm <sup>2</sup>	ACL136



### 3 PIN R/A PLUG MAINS CORD TO BARE END

3 Pin plug right angle. Black cable.  
Bare ended.

Length	Size	Code
2.0M	0.75mm <sup>2</sup>	ACL135RA-2



### 10A CAPTIVE MAINS PLUG TO THREE CORE BARE

10 Amp (Standard Type) captive mains plug with 3 metres of cable to bare end.

Length	Size	Colour	Code
3M	1.0mm <sup>2</sup>	Grey	ACL31010GY-3
3M	1.5mm <sup>2</sup>	Grey	ACL31015GY-3



### 15A PLUG MAINS CORD TO BARE END

15A GPO has an oversized earth pin.

Length	Size	Code
3.0M	1.5mm <sup>2</sup>	ACL437-3



### 15A CAPTIVE MAINS PLUG TO THREE CORE BARE

15 Amp with oversized earth pin captive mains plug and 3 Metres of cable to bare end. Colour refers to the captive shroud.

Length	Size	Colour	Code
3M	1.5mm <sup>2</sup>	Grey	ACL31515GY-3
3M	2.5mm <sup>2</sup>	Grey	ACL31525GY-3



### 20A CAPTIVE MAINS PLUG TO BARE END

#### 20A - ALL PINS OVERSIZED

Not a standard plug. All pins are over-sized for high current. Compatible with 56 series screw lock shroud (Colour).

Length	Size	Colour	Code
3.0M	2.5mm <sup>2</sup>	Grey	ACL32025GY-3



### IEC C13 TO BARE WIRE - LOCK

#### WITH LOCKING PIN

Length	Size	Code
3.0M	1.0mm <sup>2</sup>	IEC119-3

IEC-Lock is compatible with any C14 socket



### IEC C14 TO BARE WIRE

2 metres IEC C14 to bare end cable.

Length	Size	Code
2M	1.0mm <sup>2</sup>	ACL122-2



### IEC C20 15A HEAVY-DUTY TO BARE WIRE

#### IEC-320 C20 TO BARE END

Power plug to bare wire High-Temp' 15A Plug. As used in some industrial style equipment (UPS, etc.)

Length	Size	Code
2.0M	1.5mm <sup>2</sup>	ACL165-2
3.0M	1.5mm <sup>2</sup>	ACL165-3
3.0M	2.5mm <sup>2</sup>	ACL665-3



### IEC C19 15A HEAVY-DUTY TO BARE WIRE

IEC C19 AC cable to bare end

Length	Size	Code
2M	1.5mm <sup>2</sup>	ACL166-2
3M	1.5mm <sup>2</sup>	ACL166-3



### IEC C19 LOCK TO BARE END

#### WITH LOCKING PIN

Length	Size	Code
1.0M	1.5mm <sup>2</sup>	IEC166-1
3.0M	1.5mm <sup>2</sup>	IEC166-3
5.0M	1.5mm <sup>2</sup>	IEC166-5

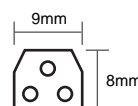
IEC-Lock is compatible with any C20 socket



### MINI-IEC TO BARE WIRE

Miniature 3 pin cord.

Length	Size	Code
1.8M	0.75mm <sup>2</sup>	ACL117







# Power & Lighting

## IEC C13 INLINE SOCKET - IEC LOCK

### IEC-LOCK

Retrofit in-field. Locks socket.  
Pull the red handle to unlock.  
Compatible with any C14 Plug.

#### Code

ACS13-LOCK



## IEC C13 AC INLINE SOCKET

Inline Female

#### Code

ACS13



## IEC C13 INLINE SOCKET RIGHT ANGLE

In-Line Female 240Vac Mains Power Socket.

#### Code

ACS130



## IEC C14 PLUG RIGHT ANGLE

In-Line Male 240Vac Mains Power Plug.

#### Code

ACP140



## IEC C15 PLUG - KEYWAY

Inline female mains socket as used with Kettles, projectors and other appliances with keyway IEC.

#### Code

ACS150



## LAMP CORD TWIN

### 7A 2 CORE 100M

Double Insulated Extra flexible Fully approved 240Vac cable.

Colour	Size	Code
Black	0.75mm <sup>2</sup>	PWC2-10B
White	0.75mm <sup>2</sup>	PWC2-10W



## MAINS CORD WITH EARTH

### 10A 3 CORE 100M

Double Insulated Extra flexible Fully approved 240Vac cable.

Colour	Size	Code
Black	1.0mm <sup>2</sup>	PWC3-10B
Grey	1.0mm <sup>2</sup>	PWC3-10G



## STRAIN RELIEF BUSHING

### CABLE CLAMPS 10 PIECES

Hole	Code
6.2Ø to 7.4Ø	SRC510
7.4Ø to 8.2Ø	SRC610



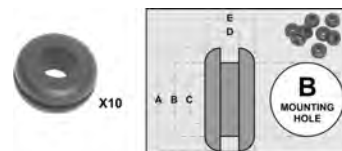
**X10 Pieces**  
**Chassis Mount**

## RUBBER GROMMETS

### CHASSIS MOUNT 10 PIECES

Please Order ONE to  
Receive a bag of 10.

A	B	C	D	E	Code
11	8.0	4.5	1.6	4.5	GM210
15	9.5	6.3	1.6	7.0	GM310
18	13	9.5	1.6	6.8	GM410



## NYLON CABLE GLAND

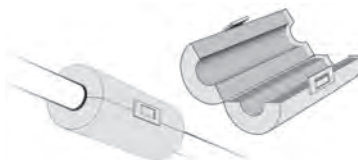
Cable	Hole	Code
5-8mmØ	12mmØ	NCG1012
6-10mmØ	16mmØ	NCG1016
9-14mmØ	20mmØ	NCG1020
14-18mmØ	25mmØ	NCG1025
18-25mmØ	32mmØ	NCG1032
24-31mmØ	40mmØ	NCG1040
31-41mmØ	50mmØ	NCG1050
44-51mmØ	63mmØ	NCG1063



## ELECTROMAGNETIC INDUCTION FIELD

Ferrite cores, split inside a plastic case that snaps closed over power and data cables to suppress noise.

Cable	Size	Code
5mm	15x23	EMIF1000
6.5mm	17x32	EMIF1350
7.5mm	20x32	EMIF1651
8.5mm	20x32	EMIF1652



## CORDLINE SWITCH

White Double pole in-line switch for flat or round cable, 2-3 core with dual reversible cable clamp.  
Rated: 10Amp 240Volts AC  
Supplied in a display pack

#### Code

SWD5MWE



## TWIN / TWIN & EARTH FLAT POWER CABLE

Designed for general wiring in domestic, commercial and industrial applications where the cable is not subject to mechanical damage. It is made from plain annealed copper wires, easy peel 3V-90 sheath, and is protected by PVC 90 insulation. It complies with AS/NZS 5000.2 standard.



Size	Nom. Area	Core	Length	Code
7x0.5mm	1.5mm <sup>2</sup>	2	100m	PWF2151
7x0.67mm	2.5mm <sup>2</sup>	2	100m	PWF2251
7x0.5mm	1.5mm <sup>2</sup>	3	100m	PWF3151
7x0.67mm	2.5mm <sup>2</sup>	3	100m	PWF3251





## IEC INPUT SOCKET

Chassis mount socket

Code  
ACS206



## IEC INPUT SOCKET

WITH NOISE FILTER

Metal box grounded. 3A.

Code  
MNF133



## IEC OUTPUT SOCKET

Female IEC

Code  
ACS207



## IEC C13 PANEL SOCKET - LOCK

With IEC Locking button.  
Suits any IEC C14 Plug.

Code  
IEC207



## C14 MALE SOCKET CHASSIS MOUNT FUSED

Chassis mount socket with fuse compartment  
Uses M205 type fuse with space for a spare  
10A 240VAC

CHASSIS SNAP-FIT

Code  
ACS133

SCREW MOUNT

Code  
ACS132



Shown with boot sold separate

RUBBER BOOT TO SUIT

Code  
H1474



## IEC C13 CABLE RETAINER

IEC Plug safety retainer. Prevents accidental removals. The mounting ears of the clamps align with the mounting ears on the panel mount connectors.

Code  
RET106



## IEC OUTPUT SOCKETS

Female IEC.  
All Sockets.  
Common rail.  
Power Board.  
Panel mount.



Socket	Hole	Code
5x	120x32mm	ACS507
6x	144x32mm	ACS607

## AC INPUT SOCKET FIGURE EIGHT C8

Suits ACL104 lead  
With battery switch

PCB Mount

Code  
ACS205



SOLDER TAGS

Code  
ACS204

## AC INPUT SOCKET SQUARE

Suits 16x10mm  
Square lead  
[Old National]

Code  
ACS201



## IEC C19 PANEL SOCKET - LOCK

With IEC Locking button.  
Suits any IEC C20 Plug.

Code  
IEC209



## MAINS PANEL SOCKET

240VAC FLUSH MOUNT

Two Panel Depths: (Size)  
1.2mm min panel thickness.  
Two Connect Types: (Type)  
Wire is screw hold 5mm entry.  
PCB is M3 screw type.

PCB MOUNT (OP)

WIRE = 5mm (OW)



10A SOCKET

Type	Code
Wire	PW1-0W
PCB	PW1-0P

15A OVERSIZED EARTH

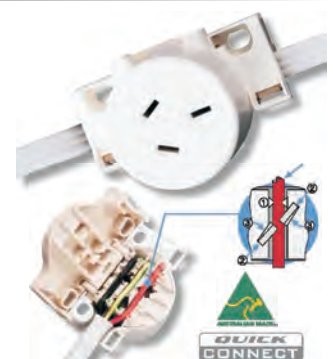
Type	Code
Wire	PW1-5W
PCB	PW1-5P

## CLIPSAL SURFACE MOUNT

413QC PUNCH-DOWN INLINE

Quick connect 3 Pin Inline  
or end terminal. Simply  
strip outer sheath exposing  
insulated wires lay across  
the terminals push to close  
for contact. Cable clamped  
ready to go.

Code  
CLI413







# Power & Lighting

## AC PLUG STANDARD

Traditional power plugs Screw terminal  
3 Pin 10 Amp 240Vac Rated

Colour	QTY	Code
Black	1	ACP3P10BK
Clear	1	ACP3P10CL
Grey	1	ACP3P10GY
White	1	ACP3P10WH



## AC PLUG STANDARD BULK

### BULK PACK OF 10 PIECES

Traditional power plugs 10 Amp 240Vac Rated

Colour	QTY	Code
Black	10	ACP3P10BK10
Clear	10	ACP3P10CL10
Grey	10	ACP3P10GY10
White	10	ACP3P10WH10



Order 1 to receive pack of 10

## AC PLUG SMALL-ENTRY

2-Core Flex power plugs  
Screw terminal 2 Pin 7  
Amp 240Vac Rated

Colour	QTY	Code
Black	1	ACP2C10BK
White	1	ACP2C10WH



## AC PLUG SMALL-ENTRY BULK

### BULK PACK OF 10 PIECES

2-Core Flex power plugs  
7 Amp 240Vac Rated

Colour	QTY	Code
Black	10	ACP2C10BK10
White	10	ACP2C10WH10



Order 1 to receive pack of 10

## AC PLUG RIGHT ANGLE

10 amp white  
Hard plastic

Code  
ACP410



## AC SOCKET STANDARD

Traditional power socket For  
extension cords, etc. Screw terminal  
3 Pin 10 Amp 240Vac Rated

Colour	Code
Clear	CES310
White	CES110
Grey	CES111



## CAPTIVE AC PLUG IP66

Compatible with 56 Series connectors.  
Fits standard sockets too.  
Colour refers to the Captive Ring.  
Weather proof outdoor connection.

Colour	Code
Orange	TP310OR
Grey	TP310GY



## 10A CAPTIVE AC SOCKET

### INDUSTRIAL IP66

Colour	Code
Grey	TCSC310GY



## 15A AC PLUG HEAVY DUTY

Extra Large Earth Pins Screw terminal  
3 Pin 15 Amp 240Vac Rated

Colour	Code
Black	ACP3P15BK
Clear	ACP3P15CL
Grey	ACP3P15GY
White	ACP3P15WH



### GENUINE HPM

Clear	ACP315
Grey	ACP115



## 15A SOCKET HEAVY DUTY

Over-sized Earth-Pin  
Suits 15A Power Plugs

Colour	Code
Clear	CES315
White	CES115



## 15A CAPTIVE PLUG IP66

### OVERSIZED EARTH PIN TYPE

Compatible with 56 Series connectors.  
Colour refers to the locking shroud.

Colour	Code
Orange	TP315OR
Grey	TP315GY



## 15A CAPTIVE AC SOCKET

### INDUSTRIAL IP66 OVERSIZED EARTH PIN

Colour	Code
Grey	TCSC315GY



## 20A CAPTIVE MAINS PLUG IP66

### 20A - ALL PINS OVERSIZED

Not a standard plug. All pins  
are over-sized for high current.  
Compatible with 56 series  
screw lock shroud (Colour).

Colour	Code
Grey	TP320F-GY



## ROUND PIN PLUG

### ROUND PINS & FLAT EARTH

110Vac 10A. 4.7mm solid brass round.  
12mm apart. Plus flat earth pin.

Colour	Code
Grey	ACP439GY
Clear	ACP439TR



## ROUND PIN SOCKET

110Vac 10A. 2 round live contacts and flat earth.  
Genuine Clipsal S438 / 110

Colour	Code
Clear	ACS438TR
Grey	ACS438GY







## Industrial Power Hitech

### 440V INDUSTRIAL PLUGS IP66

Industrial grade high power connections. Professional industrial grade. Screw locking for a secure connection. Large cable entry grommet. Rubber seals and UV resistant plastics for weather resistant IP66. Clear backs for easy cable connect inspection.

#### STRAIGHT PLUG MALE

Pins	Current	Code
3	32A	TP332
4	10A	TP410
4	20A	TP420
4	32A	TP432
4	40A	TP440
4	50A	TP450
5	10A	TP510
5	20A	TP520
5	32A	TP532
5	40A	TP540
5	50A	TP550

Compatible with 56 Series connectors.



### 440V INDUSTRIAL PLUGS ANGLED IP66

#### ANGLED PLUG

Pins	Current	Code
4	10A	TPA410
4	20A	TPA420
4	32A	TPA432
5	10A	TPA510
5	20A	TPA520
5	32A	TPA532

Compatible with 56 Series connectors.



### 440V INDUSTRIAL EXTENSION SOCKETS IP66

#### IN-LINE SOCKETS

Pins	Current	Code
4	10A	TCSC410
4	20A	TCSC420
4	32A	TCSC432
5	10A	TCSC510
5	20A	TCSC520
5	32A	TCSC532
5	50A	TCSC550

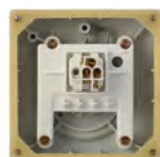
Compatible with 56 Series connectors.



### 250V / 440V INDUSTRIAL SWITCH IP66

Industrial grade high power switching and connecting solutions with screw locking for a secure connection. Large cable entry with locking grommet strain relief. Rubber seals and UV resistant plastics for weather resistant IP66. Professional industrial grade.

Pole	Current	Code
2	10A	TSW210
2	20A	TSW220
3	10A	TSW310
3	20A	TSW320
3	32A	TSW332
3	50A	TSW350
3	63A	TSW363



TS310 Open

### 440V INDUSTRIAL SOCKET OUTLET SURFACE IP66

#### ROUND PINS

Industrial grade high power wall socket. Screw locking for a secure connection. Large cable entry with locking grommet strain relief. Rubber seals and UV resistant plastics for weather resistant IP66. Clear backs for easy cable connect inspection. Professional industrial grade.

Pins	Current	Code
4	10A	TSO410
4	20A	TSO420
4	32A	TSO432
5	10A	TSO510
5	20A	TSO520
5	32A	TSO532
5	40A	TSO540
5	50A	TSO550

Compatible with 56 Series connectors.



### 440V INDUSTRIAL SWITCHED OUTLET

#### ROUND PINS & FULL IP66 RATING

Industrial grade high power switching screw locking for a secure connection. Rubber seals and UV resistant IP66. Surface mount casing with cap blocked conduit entry points.

Pins	Current	Code
4	10A	TCO410
4	20A	TCO420
4	32A	TCO432
4	40A	TCO440
4	50A	TCO450
5	10A	TCO510
5	20A	TCO520
5	32A	TCO532
5	40A	TCO540
5	50A	TCO550

Compatible with 56 Series connectors.



### 250V OUTLET IP66 SUIT CAPTIVE PLUGS

#### SUITS TP310, TP315, TP320, etc.

Pins	Current	Code
3	10A	TSO310
3	15A	TSO315

Accepts standard 250Vac plug types up to 50mmØ or Captive Plug types. Compatible with 56 Series connectors. Excellent weather proofing IP66.



### 250V SWITCHED OUTLET IP66 SUIT CAPTIVE PLUG

#### SUITS TP310, TP315, TP320, etc.

Pins	Current	Code
3	10A	TCO310
3	15A	TCO315

Accepts standard 250Vac plug types up to 50mmØ or Captive Plug types. Compatible with 56 Series connectors.



LOCK-OFF







# Power & Lighting

## AC Power Installation

### CLIPSAL® COMPATIBLE WALL PLATE BLANK

#### CLIPSAL® COMPATIBLE

Blank wall plate future expansion or customisation. Hole punch markers.

10mm Thick is standard  
8mm Thick is low profile

Size	Code
120x76x10	CWP-001
120x76x8	CWP00



### HORIZONTAL WALL POWER OUTLET 10A

250V AC Power Outlet with screws, and removable cover plate. 10A. Approximately 118x74x12mm

Type	Code
1 Way	WP1110
2 Way	WP1210



15A has oversized earth pin.

Type	Code
1 Way	WP1115



### DOUBLE POLE SWITCHED DUAL POWER OUTLET

Double Pole 250V AC Power Point GPO Outlet, 10 Amp. Twin outlet. Comes complete with screws, and removable cover plate. Approximately 118x74x12mm



#### DOUBLE POLE SWITCHES 10A

Type	Code
2 Way	WP1219



#### SINGLE POLE SWITCHES 10A

Type	Code
2 Way	PS-02

### FOUR WAY POWER OUTLET

#### INDIVIDUALLY SWITCHED

4 way power wall sockets with individual switch. 10A 250V AC, comes with mounting screws and removable cover plate. Approximately 196x77x12mm



Type	Code
4 Way	WP1410

### WALL POWER OUTLET PLUS

10A 250V AC Power Outlet with extra switch. Comes with screws, removable cover plate. Approximately 118x74x12mm in size.

Type	Code
1 + 1	WP1118
2 + 1	WP1218



16A 250Vac Snap-In Power Switch Labelled switches are available....



### SLIMLINE HORIZONTAL WALL POWER OUTLET

10A 250V AC Power Outlet with screws, and removable cover plate. 118x74x8mm Low Profile Facia.

Type	Code
1 Way	WP2110
2 Way	WP2210



15A has oversized earth pin.

Type	Code
1 Way	WP2115



SLIM 8mm

### SLIMLINE WALL POWER OUTLET PLUS

#### WITH EXTRA SWITCH

10A 250V AC Power Outlet with screws, and removable cover plate. 118x74x8mm. Low Profile Facia.

Type	Code
2 + 1	WP2218



16A 250Vac Snap-In Power Switch Labelled switches are available....



SLIM 8mm

### 2 OUTLET GPO POWER POINT WITH 2X USB

This special design power outlet has 2x superfast 2.1A (max) USB charging outlets. Size: 115x70x50mm 10A



USB Outlet	5VDC 2.1A max.
Code	PT9822



### 4 OUTLET USB CHARGING WALL PLATE - 3.1A

Provides four USB charging outlets for a total of 3.1A Rapid Charge power supply. The same size as a standard Australian power point and can directly replace an existing power point. Size: 115x70x50mm



USB Outlet	5VDC 3.1A Total
Code	PT9804



### BATTEN HOLDER

Standard bayonet

Code
BH10



### CEILING ROSE

White 4 terminal

Code
CR94







## ARCHITRAVE SWITCH

### COVER PLATE INCLUDED

16A 250V AC, 1 Way and 2 Way switch with mounting screws and removable front cover. 31x83x11mm Facia.

Switch	Code
1	WSA1001
2	WSA1002



## ARCHITRAVE SWITCH

### SINGLE GANG SWITCH

Code  
MSW10

### SINGLE MOUNTING BLOCK

Code  
MB771

## ARCHITRAVE SWITCH DUAL GANG

### GENUINE HPM SWITCH

Code  
MSW30



## HORIZONTAL SWITCH

16A 250V AC Power Outlet with screws, and removable cover plate. Approximately 118x74x12mm Facia.

Switch	Code
1	WSH1001
2	WSH1002
3	WSH1003
4	WSH1004
5	WSH1005
6	WSH1006



## VERTICAL SWITCH

16A 250V AC multiple power switches. Comes with screws, and removable cover plate. 118x74x12mm Standard Profile Facia.

Switch	Code
1	WSV1001
2	WSV1002
3	WSV1003
4	WSV1004
5	WSV1005
6	WSV1006



## SLIMLINE HORIZONTAL SWITCH

16A 250V AC multiple power switches. Comes with screws, and removable cover plate. 118x74x8mm Low Profile Facia.

Switch	Code
1	WSH2001
2	WSH2002
3	WSH2003
4	WSH2004
5	WSH2005
6	WSH2006

SLIM 8mm



## SLIMLINE VERTICAL SWITCH

16A 250V AC multiple power switches. Comes with screws, and removable cover plate. 118x74x8mm Low Profile Facia.

Switch	Code
1	WSV2001
2	WSV2002
3	WSV2003
4	WSV2004
5	WSV2005
6	WSV2006

SLIM 8mm







# Power & Lighting

## CLIPSAL® COMPATIBLE WALL PLATES 2000

White 118x72mm Two piece plate.

Type	Code
1way	CWP01
2way	CWP02
3way	CWP03
4way	CWP04
5way	CWP05
6way	CWP06



## CLIPSAL® COMPATIBLE WALLPLATE

White 116x75mm.  
Two piece wallplate.

Type	Code
1	CWP-201
2	CWP-202
3	CWP-203
4	CWP-204
5	CWP-205
6	CWP-206



## CLIPSAL® COMPATIBLE WALLPLATE METALLIC

### OVERSIZED FLUSH STAINLESS STEEL

Covered with special fingerprint resistance coating on the face of the wallplate.  
1mm thick. Clipsal insert compatible.  
Over sized: 136x87mm

Type	Code
1	WPSS-1
2	WPSS-2
3	WPSS-3
4	WPSS-4
5	WPSS-5
6	WPSS-6



## CLIPSAL® COMPATIBLE WITH LABEL SINGLE

Standard White 118x72mm  
Premium Two piece plate  
Single hole for inserts.  
Paper label with plastic cover.

Code
WPL100



## CLIPSAL® COMPATIBLE WITH LABEL DOUBLE

White 118x72mm Two piece plate.  
Paper label with plastic cover.

Code
WPL200



## DOUBLE CLIPSAL® + INGRESS BOOT

### CLIPSAL® INSERT COMPATIBLE WITH 2 BLANK INSERTS

Push through cable management solution for computer networks, home theatre systems, or any other application which involves in-wall cabling. Cabling remains neat, tidy and secure via the cable management push through system. Easy to run cables through the wall. 2 way outlet also includes 2 blank inserts. Silicon ingress boot.

Code
WP62



## CLIPSAL® COMPATIBLE WALL PLATE ARCHITRAVE

### CLIPSAL® STYLE

Accepts a switch or any of the following inserts. Surrounds hides screws and eases painting. Compatible with Clipsal® 2000 series.

Type	Code
1	CWP101
2	CWP102







## TRAILING EDGE DIMMER MODULE

Flicker-free dimming operation. Suitable for low voltage lighting with iron-core transformers or incandescent or Trailing-Edge compatible LEDs & SMPS. EMC compliant. Suits to wide range of wall plates or mounting accessories like Clipsal.



Type	Trailing Edge
Voltage	230-240VAC
Max. Load	400W
Code	DM400



## DIMMER & SWITCH WALL PLATE

Code  
DM401

## LED LOAD CORRECTION DEVICE - CLIPSAL®

The Clipsal Load Correction Device is designed to improve the dimming performance of most dimmable LEDs/CFLs, when used in conjunction with a 2-Wire Dimmer. This device will compensate for the low-powered load types and helps to resolve the compatibility issues when dimming the new non-resistive loads with phase-controlled dimmers.

Code  
CLI31LCDA



**CLIPSAL®**



## SWITCH INSERTS - CLIPSAL® COMPATIBLE

Switches to suit wall plates. Standard or heavy duty terminals. Blank are without the red dot, these are for intermediate switching (dual switching).

Label	Type	Amps	Code
Blank	DPST	16A	SW-SM16
Blank	SPDT	16A	SW-INTM
Blank	DPST	35A	SW-DP35
Fan	SPDT	16A	SW-FAN
Light	SPDT	16A	SW-LIGHT
Heat	DPST	35A	SW-HEAT
Range	DPST	35A	SW-RANGE
Stove	DPST	35A	SW-STOVE
Hot	DPST	35A	SW-HOT
Lounge	DPST	16A	SW-LOUNGE
Liv	DPST	16A	SW-LIV
Study	DPST	16A	SW-STUDY
Zone1	DPST	16A	SW-ZONE1
Zone2	DPST	16A	SW-ZONE2
Oven	DPST	32A	SW-OVEN



## BLANK - CLIPSAL® COMPATIBLE

For blanking off empty unused holes or for custom fitting connectors

Code  
WPI200



## SURFACE MOUNT AC POWER SOCKET

Single outlet surface socket, 240V AC 10A, back wired, 4 terminal.

Code  
ACS3010



## CLIPSAL SURFACE MOUNT

### 413QC PUNCH-DOWN INLINE

Quick connect 3 Pin Inline or end terminal. Simply strip outer sheath exposing insulated wires lay across the terminals push to close for contact. Cable clamped ready to go.

Code  
CLI413



## MAINS PANEL SOCKET

### 240VAC FLUSH MOUNT

Two Panel Depths: (Size) 1.2mm min panel thickness. Two Connect Types: (Type) Wire is screw hold 5mm entry. PCB is M3 screw type.



### 10A SOCKET

Type	Code
Wire	PW1-0W
PCB	PW1-0P



### 15A OVERSIZED EARTH

Type	Code
Wire	PW1-5W
PCB	PW1-5P



## WALL PLATE INSERTS - AUDIO VISUAL SOCKETS

### SEE CABLES & CONNECTORS SECTION 02

We sell a comprehensive range of Clipsal® compatible inserts. Many types available Including Antenna, TV, Audio, Video, CAT5, etc.







# Power & Lighting

## 10A 250V SWITCH IP56

Heavy duty industrial grade plastic case. IP56 weatherproof protection. Available in 1 gang (70x70x64mm) and 2 gang (70x112x64mm).

Type	Amps	Code
1-gang	10A	ISW1010
2-gang	10A	ISW2010



## IP66 WATERPROOF ISOLATOR SWITCH

Conforms to the IEC60947 standard, this weather proof isolator switch features compact design, 20A 250VAC, IP 66 rating to prevent water and dust ingress. Size: 84x84x70mm

Voltage	Amps	Code
250VAC	20A	ISW1020



## 10A 250VAC WALL SOCKET IP53

Heavy duty industrial grade plastic case. IP53 Weatherproof protection design.

Amps	Type	Code
10A	One Way	WPS1001
10A	Two Way	WPS2002



## IP66 WATERPROOF ISOLATOR SWITCH MEDIUM

IP66 waterproof isolator switch for various industrial applications. Size: 79x140x72mm

Pole	Amps	Voltage	Code
1	20A	240VAC	ISW1P20M
3	20A	500VAC	ISW3P20M
1	32A	250VAC	ISW1P32M
3	32A	500VAC	ISW3P32M
1	63A	250VAC	ISW1P63M



## 20A 500V INDUSTRIAL 3 POSITION CENTRE OFF

### FORWARD REVERSE SWITCH

Three position Forward/Off/Reverse. Large cable entry with locking grommet strain relief. Rubber seals and UV resistant plastics for weather resistant IP66. Professional industrial grade.

Pole	Current	Code
3PT3*	20A	TSW320F-R

Image for illustration purposes only. Label may differ to stock. Three pole, Double throw with centre Off\*.



## IP66 WATERPROOF ISOLATOR SWITCH LARGE

IP66 waterproof isolator switch for various industrial applications. Size: 79x172x72mm

Pole	Amps	Voltage	Code
1	20A	240VAC	ISW1P20L
1	32A	250VAC	ISW1P32L
1	63A	250VAC	ISW1P63L
3	20A	500VAC	ISW3P20L
3	32A	500VAC	ISW3P32L
3	63A	500VAC	ISW3P63L



## 20A 500V INDUSTRIAL 3 POSITION CENTRE OFF

### CHANGE-OVER SWITCH

Three position 1 / Off / 2. Large cable entry with locking grommet strain relief. Rubber seals and UV resistant plastics for weather resistant IP66. Professional industrial grade.

Pole	Current	Code
3PDT*	20A	TSW32CO

Image for illustration purposes only. Label may differ to stock. Three pole, Double throw with centre Off\*.



## 250V / 440V INDUSTRIAL SWITCH IP66

Industrial grade high power switching and connecting solutions with screw locking for a secure connection. Large cable entry with locking grommet strain relief. Rubber seals and UV resistant plastics for weather resistant IP66. Professional industrial grade.

Current	Pole	Code
10A	2	TSW210
20A	2	TSW220
10A	3	TSW310
20A	3	TSW320
32A	3	TSW332
50A	3	TSW350
63A	3	TSW363

See also 56 Series wall sockets.







## MAIN SWITCH

Mains power switch  
Colour bar indicator  
240Vac/415Vac  
60 or 100 Amp max. rated  
Available in 1 or 3 pole.  
DIN rail mounted.  
1 AWG Cable entry.  
Switch only, not a MCB.

Current	Pole	Code
63A	1	MS1063
100A	1	MS1100
100A	3	MS3100



## RESIDUAL CURRENT DEVICES (RCD)

People protection against electrocution  
30mA sensitivity RCD  
2 pole (240V) or 4 pole (415V)  
Suit 40A or 63A circuits  
Test button. 1 AWG Wiring.

Current	Pole	Code
40A	2	RCD2040
63A	2	RCD2063
40A	4	RCD4040
63A	4	RCD4063



## CIRCUIT BREAKERS (MCB) SINGLE-POLE

Up to 6kA breaking capacity  
Delayed thermal triggered  
Short circuit Magnetic triggered  
C curve characteristic  
Single pole, DIN mount  
Suitable for 1 AWG cables

Current	Pole	Code
10A	1	MCB1010
16A	1	MCB1016
20A	1	MCB1020
25A	1	MCB1025
32A	1	MCB1032
40A	1	MCB1040
50A	1	MCB1050
63A	1	MCB1063



## RCD/MCB COMBO LONG-TAIL 1 DIN

Magnetic long type with neutral tail  
Combines over current (MCB) and earth leakage (RCD) protection in one single DIN unit.  
Supplementary protection against the risk of electrocution (30mA).  
Double pole switched on trigger.  
Up to 6kA breaking capacity  
Test button. 5 AWG Wiring.

Current	Pole	Code
10A	1	RCDM1610
16A	1	RCDM1616
20A	1	RCDM1620



## CIRCUIT BREAKERS (MCB) DOUBLE POLE

Up to 6kA breaking capacity  
Delayed thermal triggered  
Short circuit Magnetic triggered  
C curve characteristic  
Double pole, DIN mount  
Suitable for 1 AWG cables

Current	Pole	Code
10A	2	MCB2010
16A	2	MCB2016
20A	2	MCB2020
25A	2	MCB2025
32A	2	MCB2032
40A	2	MCB2040
50A	2	MCB2050
63A	2	MCB2063



## RCD/MCB COMBO ELECTRO-MAGNETIC TRIPPING

Combines over current (MCB) and earth leakage (RCD) protection in the one 2-DIN unit.  
Supplementary people protection against the risk of electrocution.  
Double pole switched on trigger.  
Up to 4.5kA breaking capacity.  
Test button. 5 AWG Wiring.

Current	Pole	Code
10A	2	TRCD2410
16A	2	TRCD2416
20A	2	TRCD2420
32A	2	TRCD2432



## CIRCUIT BREAKERS (MCB) THREE POLE

Up to 6kA breaking capacity  
Delayed thermal triggered  
Short circuit Magnetic triggered  
C curve characteristic  
3 pole, DIN mount  
Suitable for 1 AWG cables

Current	Pole	Code
10A	3	MCB3010
16A	3	MCB3016
20A	3	MCB3020
25A	3	MCB3025
32A	3	MCB3032
40A	3	MCB3040
50A	3	MCB3050
63A	3	MCB3063



## RCD/MCB COMBO ELECTRO-MAGNETIC 2 DIN

Combines over current (MCB) and earth leakage (RCD) protection in a double DIN unit.  
Supplementary protection against the risk of electrocution (30mA).  
Double pole switched on trigger.  
Up to 10kA breaking capacity  
Magnetic over-load tripping  
Test button. 1 AWG Wiring.

Current	Pole	Code
10A	2	RCDM2610
16A	2	RCDM2616
20A	2	RCDM2620







## DISTRIBUTION SWITCH BOARD - SURFACE MOUNT

Plastic enclosure modules for mounting MCBs, RCDs and other DIN rail type "O" items. Pole = 18mm wide. 20mm conduit punch-outs rear and side.

Pole	Code
1	PME1
2	PME2
4	PME4
6	PME6
8	PME8
12	PME12
18	PME18



## DISTRIBUTION SWITCH BOARD - SURFACE MOUNT WITH COVER

### LOAD CENTRE WITH PROTECTIVE LID

DIN Rail fits 4 to 45 pieces MCB/RCD 18mm type modules. Spacious to work with, plenty of room for cabling. ABS fire rated body. Transparent dust cover. Surface mount, easy to install, professional appearance. Includes blanking plates and labels. With Earth strips and Neutral strips.

Pole	Code
4	PDBL4
6	PDBL6
8	PDBL8
12	PDBL12
15	PDBL15
18	PDBL18
24	PDBL24
36	PDBL36
45	PDBL45



## DISTRIBUTION SWITCH BOARD - RECESSED MOUNT WITH COVER

### FLUSH MOUNT FOR A LOW PROFILE INSTALLATION

DIN Rail fits 8 to 36 pieces MCB/RCD 18mm type modules. Spacious to work with, plenty of room for cabling. ABS fire rated body. Transparent dust cover. Recessed about 70mm for a low profile surface. Includes blanking plates and labels. With Earth strips and Neutral strips.

Pole	Code
8	PDBL8R
12	PDBL12R
15	PDBL15R
18	PDBL18R
24	PDBL24R
36	PDBL36R



## ACTIVE / NEUTRAL LINK BARS

Chassis mount bracket with tinted cover (Black or Red). Solid brass through terminal block with screws. Size is the cover. 7.3mm and 4.45mm terminals.

Term.	Current	Colour	Size	Code
2x 7mm, 3x 4mm	100A	Black	40x47x68mm	LNK005B
4x 7mm, 3x 4mm	100A	Black	40x47x68mm	LNK007B
4x 7mm, 8x 4mm	100A	Black	40x60x110mm	LNK012B
4x 7mm, 10x 4mm	100A	Black	40x60x110mm	LNK014B
2x 7mm, 3x 4mm	100A	Red	40x47x68mm	LNK005R
4x 7mm, 3x 4mm	100A	Red	40x47x68mm	LNK007R
4x 7mm, 8x 4mm	100A	Red	40x60x110mm	LNK012R
4x 7mm, 10x 4mm	100A	Red	40x60x110mm	LNK014R







## DISTRIBUTION SWITCH BOARD - METAL SECURE

### LOAD CENTRE WITH KEY ACCESS

Secure powder-coated metal enclosure for securing a load centre with key entry only. Fits 8, 12 or 18 modules. Suits 18mm modules. Surface mount on the wall of a building. Includes Earth strip and Neutral strip and labels, depending on model. Two keys supplied.

Pole	Height	Width	Depth	Code
8	300mm	230mm	95mm	MDB8
12	345mm	230mm	95mm	MDB12
18	450mm	230mm	95mm	MDB18



## WALL MOUNTABLE METAL ENCLOSURES

### HEAVY DUTY BOX POWDER COATED

Strong metal build powder-coated long-life enclosures. Hinged door with rubber-grommet sealed IP65 weather resistant. Bottom access panel with grommet. Back mounting plate. Excellent quality heavy duty. Secure earth connection via brass bolt on both the case and the door.

Note. When attaching the door knob, there is an optional locking ring in assembly.

Height	Width	Depth	Code
300mm	200mm	150mm	ME3215
400mm	300mm	200mm	ME4320
400mm	400mm	200mm	ME4420
600mm	400mm	200mm	ME6420
600mm	400mm	300mm	ME6430
600mm	600mm	300mm	ME6630
700mm	500mm	250mm	ME7525
800mm	600mm	300mm	ME8630
1000mm	800mm	300mm	ME10830
1200mm	800mm	300mm	ME12830



## WALL MOUNTABLE STAINLESS STEEL ENCLOSURES

### HEAVY DUTY BOX WITH WEATHER SEALED DOOR

Strong metal 304 stainless steel build long-life wall mount enclosures. Hinged door with rubber-grommet sealed IP65 weather resistant. Bottom access panel with grommet. Back anodized steel mounting plate. Secure earth connection via bolt on both the case and the door.

Height	Width	Depth	Code
300mm	200mm	150mm	SE3215
400mm	400mm	200mm	SE4420
600mm	400mm	250mm	SE6425
600mm	600mm	300mm	SE6630
800mm	600mm	300mm	SE8630







## WALL BLANKING PLATE

Standard sized  
Classic styled like  
old-school HPM®  
Includes screws  
and screw caps.

Code  
WBP10



## MOUNTING BLOCKS

Stand-Off mounting block  
Standard Wall plate size  
Suit Clipsal® & HPM®

Depth Code  
35mm MBL1  
13mm MBL2



## MOUNTING BLOCKS

### TO SUIT 4 WAY POWER OUTLETS

Stand-Off mounting block  
for 4 way power outlets,  
Size: 198x76x25mm

Code  
MBL4



## MOUNTING BLOCK

### WHITE PLASTIC STAND-OFF

As used to mount wall plates off-wall.  
Includes screws.

Size Code  
70x115x37mm CMB10



## IP56 GPO COVER FRONT & BACK

### SUITS MOST POWER POINTS

Code  
BOX0325



## GPO BACKING BOX

Standard wall plate size.  
Mounts as backing.  
Punch-out holes.

Colour Code  
Black MWB10  
Beige MWB11



## PLASTIC ENCLOSURE IP66 ABS

### WALL MOUNT JUNCTION BOXES

IP66 weatherproof junction  
box to suit outdoor installation.

Height	Width	Depth	Code
50mm	65mm	55mm	AG0506
80mm	110mm	70mm	AG0811
80mm	160mm	90mm	AG0816
100mm	100mm	50mm	AG1010
125mm	125mm	100mm	AG1212
125mm	175mm	100mm	AG1217
150mm	250mm	100mm	AG1525
280mm	190mm	130mm	AG2819
280mm	190mm	180mm	AG28191
280mm	280mm	130mm	AG2828
340mm	280mm	130mm	AG2834
340mm	280mm	180mm	AG28341
380mm	280mm	130mm	AG2838
380mm	280mm	180mm	AG28381



## JUNCTION BOX WITH CONNECTORS

Size	70x70mm	100x70mm
Amps	32A	32A
Code	JB0070	JB0100



## JUNCTION BOX WITH CONNECTORS

White Plastic  
Wall Mount HPM

Size	70x70x35mm
Amps	40A
Term	4x
Code	CD404



## HEAVY DUTY JUNCTION BOXES IP56

### INCLUDES GASKET

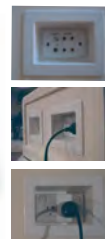
Length	Width	Height	Code
75mm	75mm	55mm	JB0075
105mm	105mm	75mm	JB0105
110mm	75mm	55mm	JB0110
160mm	115mm	70mm	JB0160
210mm	105mm	82mm	JB0210



## RECESSED POWER POINT

Compatible with all wall outlets,  
(Does not include wall outlet itself).  
Metal bracket. White.  
70mm/90mm depth.

Code  
WP-REC1



## RECESSED 240V POWER OUTLET

### SINGLE OUTLET 60mm

High quality single power outlet. Can  
be fitted standard 'C' Clip and Stud  
Brackets. Cut out 76mm x 52mm.  
Minimum depth for 10mm plaster  
60mm or masonry 70mm. Appliance  
Outlet approval NSW24133.

Code  
AV-RPS01



## RECESSED WALL BOX - WITH 2 INSERTS

### TWO BLANK CLIPSAL® COMPATIBLE INSERTS FOR EXPANSION

Recessed power box specifically for organising wiring on the wall  
and save you space by keeping your cables tucked away. Empty slot  
to suit an Australia standard power point or wall plate plus it has two  
extra AV slots compatible with any clipsal® type AV inserts.

(Inserts and standard wall plate sold separately)

ID: 120x82x60mm

Face plate: 185x145mm

Opening 130x90mm

Hole cutout: 166x100mm

Includes 2x blank inserts

Code  
AV-RPS02



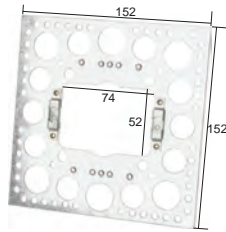




## STANDARD PLASTER BRACKET

74x52mm Hole

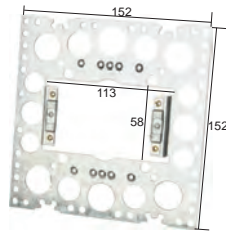
Code  
UMB13



## PLASTER BRACKET FOR SLIMLINE GPO

113x58mm Hole

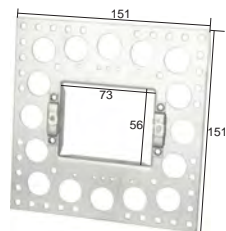
Code  
UMB14



## PLASTER BRACKET RENDER

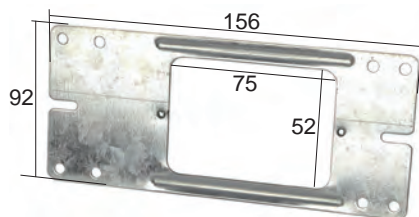
73x56mm Hole

Code  
UMB16



## FLAT HORIZONTAL STUD BRACKET

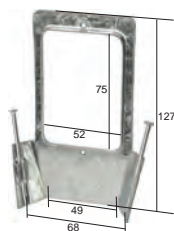
Code  
UMB9



## STUD BRACKET WITH NAIL

Suit Standard Wallplate

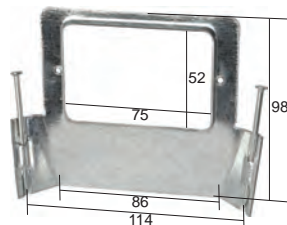
Code  
UMB6



## STUD BRACKET WITH NAIL

Suit Standard Wallplate

Code  
UMB7



## GYPROCK BRACKETS

Universal Gyprock  
Plaster type.

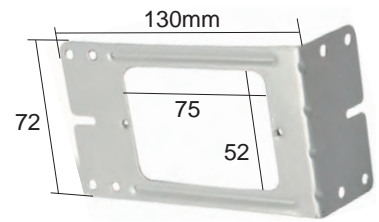
Code  
UMB5



## HORIZONTAL STUD BRACKET WITH BEND

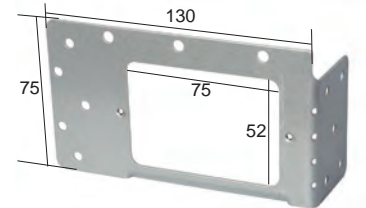
Universal "L" type bracket. Nail to beam.

Code  
UMB10



## HORIZONTAL STUD BRACKET WITH BEND

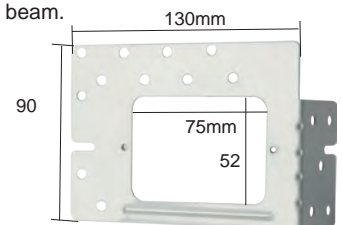
Code  
UMB8



## HORIZONTAL STUD BRACKET WITH BEND

Universal "L" type bracket. Nail to beam.

Code  
UMB12



## PLASTER BRACKET FOR SLIMLINE GPO

Suit Standard Wallplate

Code  
UMB15



## METAL HALF SADDLE

Hole	Size	Code
5mm	16mm	MHS1610
5mm	20mm	MHS2015
6.5mm	20mm	MHS2016
6.5mm	25mm	MHS2510
6.5mm	32mm	MHS3210
6.5mm	40mm	MHS4010



## MUSHROOM HEAD NYLON NAIL

100 pieces per pack

Size	Code
5mm x 25mm	NNM5025
5mm x 40mm	NNM5040
5mm x 50mm	NNM5050
6.5mm x 25mm	NNM6525
6.5mm x 40mm	NNM6540
6.5mm x 50mm	NNM6550



## FLAT HEAD NYLON NAIL

100 pieces per pack

Size	Code
5mm x 25mm	NNF5025
5mm x 40mm	NNF5040
5mm x 50mm	NNF5050
6.5mm x 25mm	NNF6525
6.5mm x 40mm	NNF6540
6.5mm x 50mm	NNF6550







# Power & Lighting

## CABLE CLIPS COAX & POWER CORD

### ROUND CABLE - HEAVY DUTY

Size	Colour	QTY	Code
5mm	White	x100	CC500WH
5mm	Black	x100	CC500BK
6mm	Black	x100	CC600BK
6mm	White	x100	CC600WH
7mm	Black	x100	CC700BK
7mm	White	x100	CC700WH
10mm	White	x20*	DQ10

Order One to receive 100 (or 20\*)



## CABLE CLIPS ROUND CABLE

Order one to receive a bag of 100pcs

Size	QTY	Code
4mm	x100	CC401
5mm	x100	CC501
6mm	x100	CC601
7mm	x100	CC701



## CABLE CLIP STICK ON

Order one to receive a bag of 100pcs

Size	QTY	Code
5mm	100	ACC105



## CABLE CLIPS FIGURE-8

### DUAL [X2] CABLE

Order One to receive 20  
Suits Figure eight cable  
White. Nail inclusive.

Size	QTY	Code
5mm	x20	DQ5
13mm	x20	DQ13
15mm	x20	DQ15



## XMAS TREE PLUG

### TO SUIT 9mm CABLE TIE

QTY	Code
150	SCR1010



## NYLON PLASTERBOARD ANCHOR

### 7 GAUGE

QTY	Code
x100	SCR1021



## ZINC ALLOY PLASTERBOARD ANCHOR

### 7 GAUGE

QTY	Code
100	SCR1002



## CONNECTOR NUTS

Bare the end of the wires & twist in.

### 22-18 AWG 100pcs

QTY	Code
100	TM43001



### 16-14 AWG 100pcs

QTY	Code
100	TM43002

## CLOSED END SPLICES

Crimp to terminate. Clear.

Order one to receive 100 pieces.

AWG	QTY	Code
22-18	100	TM41001
16-14	100	TM41002
12-10	100	TM41003



## SINGLE SCREW CONNECTOR

40A cable connector.

Order One to receive 10

QTY	Code
10	SC40



## SINGLE SCREW CONNECTOR

Max Diameter of cable: 6mm  
32A cable connector

QTY	Code
100	SC41



## DOUBLE SCREW CONNECTOR

Max Diameter of cable: 6mm  
32A cable connector

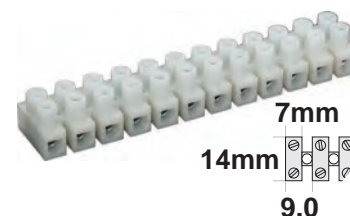
QTY	Code
50	SC42



## TERMINAL STRIP

12 Terminals in one strip.  
Simply cut to required  
length. Plastic and brass.  
240Vac 10A

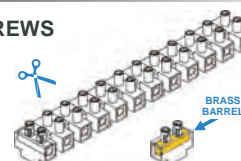
Code
TB240



## TERMINAL STRIPS IN ALL SIZES

### NYLON WITH BRASS + STEEL SCREWS

Heavy duty quality for reliability.  
5A to 60A. Insulation Voltage  
380V. 12 Terminals with  
mounting Holes between each.  
Cut to length.



Imax	Length	max	Code
5A	110x16mm	3.6mm	TS1236
10A	115x20mm	4.0mm	TS1240
15A	136x22mm	4.8mm	TS1248
30A	170x26mm	5.1mm	TS1251
60A	186x29mm	6.7mm	TS1267

TOOL SECTION 07 HAS MORE HARDWARE





## □ Fuse Holders

### PANEL MOUNT CIRCUIT BREAKERS - PUSH

240Vac 50Vdc max. 150% Slow. 200% Fast

Amps	Code
3A	CRB3
5A	CRB5
10A	CRB10
15A	CRB15
20A	CRB20
25A	CRB25
30A	CRB30
35A	CRB35



### PANEL MOUNT CIRCUIT BREAKERS - FLIP

Thermal. Resettable. AC/DC 240Vac max. 50Vdc max. 150% Slow. 200% Fast.

Amps	Code
2A	PCB2
3A	PCB3
5A	PCB5
10A	PCB10
15A	PCB15



### FUSE HOLDERS - THUMBSCREW

Chassis mount. Bakelite.

20x5mm CEB/TBX

Code
FH3

32x6.35mm MGC/TDL

Code
FH2



### FUSE HOLDER - SMALL

Screws open with a coin or screwdriver. Chassis mount. Extrudes only 2mm Hi-Temp plastic. 20x5mm CEB/TBX

Code
FH1



### FUSE HOLDER - SCREW

Cap opens with a screwdriver Chassis mount. Bakelite. 10A.

32x6.35mm MGC/TDL

Code
FH21



### FUSE HOLDER - CLIP FACE

Chassis mount Suit 32x6.35mm MGC/TDL types. Clip off face.

Code
FH12



### GLASS FUSES TO SUIT

#### SECTION COMPONENTS

Our comprehensive range of fuses is to be found in the Components Section...

eg. 32x6.53mm

Code MGC[x]

[x] = Value in Amps

#### FUSE WIRE

#### HOUSEHOLD PACK

Fuse box wire 1 Metre each

8 Amp (Lights)

15 Amp (Power)

Code
FW816



## □ See Tools Section For More...

### SAFETY DRIVER

#### LIGHTS UP IF LIVE !

Correct size for the Common screw connectors  
Blade screw driver with Neon Indicator Illuminates when 240Vac voltage present

Code
HT500



### AC VOLTAGE DETECTOR

Non-Contact AC Voltage Test from 5-1,000 V AC range (Adjustable Sensitive). Continuity check to identify 'Good Or Bad' like Bulbs, Fuses etc.

White LED light flashing torch.

1.5V x 4 pcs. LR44 inc.

Code
MS47NS3



### APPLIANCE TESTERS

We stock a range of professional Australian Designed and Made testers for certifying safety approvals to AS/NZS 3760

SEE FOLLOWING PAGES...

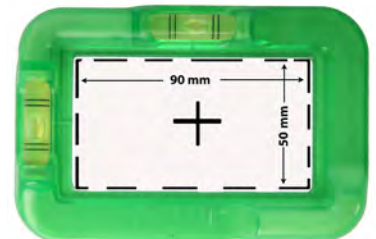


### POWERPOINT MATE STANDARD

#### STANDARD SERIES PLATE

Makes power point installation easy! Built in horizontal & vertical spirit level. A very wide range of applications like Home theatre, CCTV, Data points, Antenna points, Light switches and Power points.

Code
PPM643

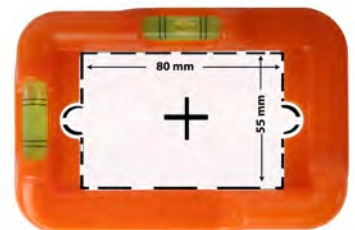


### POWERPOINT MATE SLIMLINE

#### SLIMLINE SERIES PLATE

Makes power point installation easy! Built in horizontal & vertical spirit level. A very wide range of applications like Home theatre, CCTV, Data points, Antenna points, Light switches and Power points.

Code
PPM460



### CABLE TIES

ORDER ONE BAG TO RECEIVE 100 PIECES

Colour	Size	Code
White	100mm x 2.5mm	NCT120
White	142mm x 3.6mm	NCT130
White*	156mm x 3.6mm	NCT140
White	203mm x 3.6mm	NCT150
White	292mm x 4.8mm	NCT160







# Power & Lighting

□ Power 12VDC

□ Power Supply Laptop

## BC10 INTELLIGENT UNIVERSAL POWER ADAPTOR 90W CAR 12V

### MULTI-VOLTAGE LAPTOP SOLUTION 90W

Car accessories 12V replacement solution. No voltage switch to worry about or knock! Simply select the correct plug to suit the specific type of laptop and that's that! This adaptor automatically determines the correct voltage required and regulates constant supply for powering and charging. Intelligent power for smart people! High efficiency switch-mode type with 8A fused car accessories plug LED display of voltage output. Voltage selected depends on plug. Plugs are BS10 type.

#### Code

LS-CR90AA

#### • KIT INCLUDES TEN PLUGS

- Car accessories powered adaptor to suit a majority of laptops. Outputs 12Vdc to 24Vdc up to 90W. Voltage auto selected by plug chosen. Includes 10 Plugs BC10-RA to RH, RJ & RK. Details of these plugs are listed with BS10. More plugs are also available.



## UNIVERSAL LAPTOP 150W

### 150W STEP-UP POWER SUPPLY

Accessories input.  
15/16/18/19/20Vdc @8.0A  
22/24Vdc @6.0A Output.  
Suitable for Laptops, etc.  
Includes 5x DC Plugs.

#### Input Code

12Vdc SDR150W

24Vdc SDR24120



## 12VDC TO UNIVERSAL 125W

12Vdc accessories input  
15/16/17/18/18.5/19/19.5/20VDC @ 6A  
21/22/24VDC @ 5A USB 5V @ 1A  
9 popular "R" plugs included

#### Code

SDR125WUSB



## 12VDC TO UNIVERSAL LAPTOP 120W

### 120W STEP-UP V

12Vdc Accessories in.  
15/16/18/19/20Vdc @6.0A 22/24Vdc  
@5.0A Output. Suitable for Laptops,  
etc. Includes 5x DC Plugs.

#### Code

SDR120W

Includes  
Plug for  
Dell Laptops



## 12VDC TO UNIVERSAL LAPTOP 70W

### 70W STEP-UP V

12Vdc Accessories in.  
15/16/18/19/20Vdc @3.5A  
22/24Vdc @2.9A Output.  
Suitable for Laptops, etc.  
Includes 5x DC Plugs.

#### Code

SDR70W



## 12VDC TO UNIVERSAL 60W

### 5A REGULATED 5-12V

12Vdc accessories input  
5/6/9/12VDC @ 5000mA  
4 popular plugs included  
"R" Plugs compatible

#### Code

SDR60W



## 12VDC-DC CONVERTER 36W

### SWITCH-MODE UNIVERSAL

12Vdc Accessories to  
1.5/3/4.5/5/6/9/12Vdc  
Up to 3A Regulated 36W  
Suit games, CDs, etc.  
Includes 6x DC Plugs.

#### Code

SDR3000



## 12VDC-DC CONVERTER 800mA

Converts accessories plug to  
output; 3/4.5/6/7.5/9/12 Volts  
800mA Max Current Fused  
500mA Regulated output.  
Includes 6x DC Plugs

#### Code

CA709



## 12VDC-DC CONVERTER 1000mA

### SWITCH-MODE UNIVERSAL

12Vdc Accessories to  
1.5/3/4.5/5/6/9/12Vdc 1A Fully  
Regulated Suit games, CDs,  
etc. Includes 6x DC Plugs.

#### Code

SDR0121A







## 12V Power Accessories

### 12VDC 2A DC LEAD

#### WITH DC PLUGS

Car Accessories Plug  
2M Long lead. Fused 2A.  
Includes 8 popular DC  
Type plugs.

Code  
MW-CP1



### 12VDC CAR ACCESSORIES LEAD

Car Accessories Plug Heavy Duty

Plug	Fuse	Length	Code
2.1mm DC	5A	2M	DCL21
2.5mm DC	5A	2M	DCL25
Bare Wire	5A	2M	DCL18
Bare Wire	8A	5M	DCL50



### EXTENSION LEAD

#### ACCESSORIES LEAD

Curly cord 10A  
Extends the popular  
Car Accessories Plug  
Length 1 Metre.

Code  
CA600



### ACCESSORIES SPLIT

#### DOUBLE ADAPTOR

Code  
DCP320



#### TRIPLE ADAPTOR

Code  
DCP330



#### TRIPLE ADAPTOR + USB 1A

Code  
APL3USB



#### TRIPLE ADAPTOR + USB 1A

Code  
CAS-3USB



#### TRIPLE ADAPTOR + USB 2.1A

Code  
APL32USB



### ACCESSORIES SPLIT (R/A)

#### EXTENSION ARM

Hinges and extends Splits  
output x2 Right angle output.

Code  
API89192



#### Double Barrel

Code  
CAS2

### ACCESSORIES SOCKET REPLACEMENT USB 2.1A

#### 12V ADAPTOR TO USB CHARGER 2.1A

This is a replacement  
Accessories adaptor socket that  
provides 5v USB charge at 2.1A.  
Illuminated bezel.

Code  
APUSBE



### ACCESSORIES SOCKET REPLACEMENT USB-USB

#### 12V ADAPTOR SOCKET UNIVERSAL WITH USB INPUT

This is a replacement  
Accessories socket  
that connects to USB  
head unit input socket  
- Not Illuminated

Code  
APUSB2

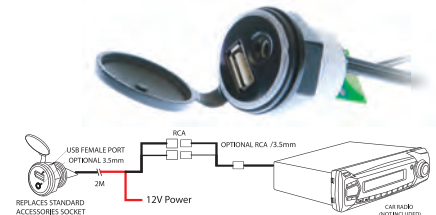


### ACCESSORIES SOCKET REPLACEMENT USB+3.5mm

#### USB CHARGER 0.5A + 3.5mm SOCKET TO 2X RCA PLUGS

This is a replacement  
Accessories socket  
that provides 5v  
USB charge. 3.5mm  
stereo socket to RCA.  
Illuminated bezel.

Code  
APUSB35E



### USB MALE TO DC POWER CABLE

#### 5V - DC PLUG 5.5mm x 2.1mm

Power output 5V from USB to Negative-Tip plug.  
DC Connector OD: 5.5mmØ  
DC Connector ID: 2.1mm centre

Length Code  
0.6M CA448



### 3 USB CAR CHARGE 4.5A

#### 3 USB PORT CHARGER 4.5A

In car adaptor with 3 USB outputs for intelligent charging of all kinds of  
smart phones plus tablets and all iPod®, iPhone®, iPads®.  
USB1 Tab PORT = All android tablets (and smart phones)  
USB2 Smart PORT = Only for all smart phones  
USB3 iPad® PORT = All kinds of iPad® and iPhones®  
Suits 12V/24V Input Voltage DC 10.0~28.5V  
USB Output 5V Total capacity 4,500mA

Code  
APL30USB







# Power & Lighting

## 12V Power Converters

### USB CAR CHARGERS

#### SINGLE FLUSH 1A

Code  
ELI1004



#### DUAL FLUSH 1A

Code  
ELI1003



#### WHITE PLUG 1A

Code  
API89113



#### FLUSH PLUG 2.1A

Compact solution

Code  
USBM21



#### FLUSH PLUG 3.1A

Dual socket.  
3.1A Total.

Code  
ELI1006



#### FLUSH PLUG 3.5A

Code  
USBM35



#### FLUSH PLUG 3.1A

iPad or Android Tablet.  
3.1A Total

Code  
USBM22



#### DUAL 2.1A & 1A

Colour	Code
Black	ELI1012BK
White	ELI1012WH



Separate 2.1A outputs, regulated and protected.  
IC for auto detection compatible with all devices.

#### SMART 2.1A

Code  
CAS-7USBI



#### SMART 4.2A

Code  
CAS-9USBI



### USB CAR CHARGERS AERPRO

Smart USB port charger.  
USB 1 is optimised for Apple devices and USB 2 for Android devices.

#### DUAL FAST CHARGING 3.6A

Code  
APL36



#### TRIPLE FAST CHARGING 5.4A

Code  
APL54



### USB 3 PORT SMART CAR CHARGER 6.6A TP-LINK

Smart Charging technology  
three 2.4A USB outputs  
(Total 6.6A output) 33W.

Code  
CP230



### USB TYPE 3.0 + USB-C CAR CHARGER

USB A port: Quick Charge 3.0 technology,  
up to 18W: 3.6-6.5V/3.0A, 6.5-9V/2.0A,  
9-12V/1.5A(Max). Type-C port: 5V/3A  
output, reversible design and fit for latest  
Type-C tablets and smartphone devices

Code  
ELI1032



### CAR CHARGER MICRO-USB 1A - BULK

Supplied No Packaging.  
12V/24V input. Fully regulated, short  
circuit and overload protection.  
1A max output current.

Code  
BCC1001



### CAR CHARGER MICRO USB 1A

MICRO - USB car charger.  
Packaged Cellink Blister pack.

Type	Code
Straight Cord 1.0A	ELI1012



### CAR CHARGER DUAL MICRO-USB + USB

#### USB SOCKET AND MICRO-USB PLUG

Curly cord. Charge two devices  
simultaneously. 12V-24Vdc.

Colour	Amps	Code
Black	1.0A	ELI1025
Black	2.1A	ELI1020
White	2.1A	ELI1021
Black	3.1A	ELI1008
White	3.1A	ELI1009



### CAR CHARGER DUAL WITH MICRO USB 2.1A+1A

#### WITH MICRO USB DATA CABLE

Bonus 75cm USB to  
micro USB lead included.  
2.1A + 1.0A outputs.

Colour	Code
Black	ELI1010BK
White	ELI1010WH



### CAR CHARGER AERPRO MICRO-USB 2.1A

#### WITH MICRO USB DATA CABLE

High power car charger  
with 1M micro USB  
charging cable.  
12/24V 2.1A.

Code  
ADM421



### CAR CHARGER MICRO-USB REVERSIBLE 2.1A

#### REVERSIBLE MICRO-USB PLUG

High power car charger.  
Curly lead to Micro USB.  
USB Socket for dual out.  
12-24Vdc in, 5V 2.1A Total.

Colour	Amps	Code
White	2.1A	ELI1023
Black	2.1A	ELI1022



### CAR CHARGER MINI-USB

#### 12VDC ACCESSORIES PLUG

Outputs to Mini-USB straight  
or right-angle type plugs.

Type	Amps	Code
Straight Cord 2A	2A	ELI5723
Curly Cord 1A	1A	ELI1026
Curly Cord 2.1A	2.1A	ELI1018
Right Plug 2A	2A	ELI5725
Left Plug 2A	2A	ELI5726







## CAR CHARGER DUAL USB & LIGHTNING

### NOT MFI

Apple® lightning plug.  
Rear of plug has a USB socket  
Plus a 75cm curly lead to  
Lightning plug, not MFI.  
Two styles / currents available  
Amps is Total.

Amps	Colour	Code
2.1A	White	ELI9076
2.1A	Black	ELI9077

Amps	Colour	Code
3.1A	White	ELI9074WH
3.1A	Black	ELI9074BK



## CAR CHARGER APPLE APPROVED 2.1A

### MFI CERTIFIED

12V Charger to suit iPhone® and New Generation  
iPod® with Lightning connector  
2.1 Amp  
0.6 Metre lead

Code  
ADM65



## CAR CHARGER APPLE APPROVED 2.1A

### MFI LIGHTNING DATA CABLE

2.1A 12V USB charger with single USB  
Port. 1 Metre iPhone 5 Lightning  
Cable for Charging & Sync.

Code  
ADM75



## LIGHTNING DUAL USB CHARGER 2.1A

### MFI LIGHTNING DATA CABLE

High power USB Charging 2.1A  
iPhone® and iPod® compatible  
Supplied with Lightning USB Cable

Brand	Code
Cellink	ELI9052
MFi Certified	ELI9075

ELI9075 is certified Apple



## LIGHTNING CAR CHARGER 3.1A DUAL USB

### MFI DATA CABLE 1.2M

Dual USB with 5Vdc 3.1A total  
intelligent output. Supplied  
with lightning data cable.  
MFi Approved.

MFI	Amps	Code
Yes	3.1A Total	ELI9078



## CAR CHARGER LIGHTNING 1A

Plug	Amps	Cord	Colour	Code
Lightning	1A	Curly	White	ELI9073WH
Lightning	1A	Curly	Black	ELI9073BK

Apple® lightning curly lead 75cm  
Not MFI.



Plug	Amps	Cord	Colour	Code
Lightning	1A	Curly	Black	ELI9070BK
Lightning	1A	Curly	White	ELI9070WH



## CAR CHARGER IPOD® 30 PIN DOCK CONNECTOR

Amps	Colour	Code
1A	White	ELI9002
1A	Black	ELI9003
2A	White	ELI9004
2A	Black	ELI9005
3.1A	White	ELI9007
3.1A	Black	ELI9006



## CAR CHARGER 3 IN 1 APPLE DOCK 2.1A

With micro USB, Apple® 30  
pin and lightning connector.  
Curly cord 0.6 to 1.5M.

Code  
ELI1011



## CAR CHARGER SAMSUNG TABLET 2.1A

### DUAL PLUG SUITABLE FOR SAMSUNG®

12/24V car charger  
Single USB 2.1 Amp  
USB split to Samsung  
30 Pin & Micro USB  
Cable 1.5M Y Cable,  
Simultaneous Charging

Code  
ADM76



## CAR CHARGER USB UNIVERSAL MOBILE KIT 2.1A

### APPLE® CERTIFIED

2.1A Universal Mobile charger  
with various connectors for  
charging. Apple® certified.  
This includes the  
Apple 30 pin dock

Code  
APL50



## CAR CHARGER USB UNIVERSAL KIT 1A

Universal USB power adaptor  
supplied with 8 different output  
plugs, Suit Nokia, Motorola, Sony,  
Samsung, LG & Mini USB, digital  
cameras, MP3 players & other  
portable USB devices. 12-24VDC.  
USB Output Voltage - 5VDC 1A.

Code  
USB300







# Power & Lighting

## 12V Power Inverters

### 12V TO 240VAC INVERTER 75W

#### ACCESSORIES PLUG UNIT

Modified sinewave output  
Compact convenient solution  
Safety protected socket door  
Car and appliance protection  
Suits general low-power items  
like chargers, lights, etc.

Code  
CAI-75



### 12V TO 240VAC INVERTER 150W

#### UNIVERSAL 150W POWER INVERTER WITH DUAL USB SOCKETS

Universal 150 Watt Inverter  
Dual USB inputs  
DC 12V-AC240v, 50Hz  
Pearl white Case with  
black cable and 12V car  
accessories plug.

Code  
AIU150



### 240V INVERTERS - GSL

#### MODIFIED SINE WAVE TYPE

Suit less critical items eg. Lighting, etc. Fully protected from thermal  
over voltage, overload, short circuits, etc. Alarms when battery is low.

#### Vin 10.5 to 15Vdc (Car)

Rms	Surge	Connector	Size	Code
150W	300W	Acsry. Plug	125x102x65mm	INV150-12
350W	700W	Alligator	180x102x65mm	INV350-12
2500W	5000W	Alligator	480x210x160mm	INV2500-12

#### Vin 20 to 30Vdc (Truck)

Rms	Surge	Connector	Size	Code
600W	1250W	Alligator	245x175x85mm	INV600-24



INV350



INV2500



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### 12V TO 240VAC INVERTERS AERPRO

#### WITH USB CHARGER

Modified sine wave automotive  
inverters from Aerpro.  
Continuous power rating.  
Extruded aluminium cases.

- Input Voltage 12Vdc
- Output Voltage 220-240Vac
- USB: DC 5V Max 500mA
- Frequency 50Hz +/-3Hz

Power	Size	Code
420W	60x105x200mm	FTS420
800W	100x230x160mm	FTS800
1000W	100x340x160mm	FTS1000
1500W	100x340x160mm	FTS1500



FTS1500 IS SILVER AT TIME OF PRESS  
NEW STOCK MAY CHANGE

### 12V TO 240VAC INVERTERS PURE-SINE-WAVE

- Pure Sine Wave Inverter
- Single or Dual Outlet
- Continuous Power Rating (Wrms)
- Input Voltage: 12vDC
- Output Voltage: 220 - 240v AC (50Hz)
- USB Charging: 1 or 2 (max 2.1A)
- Low Voltage Protection
- Over Voltage Protection
- Over Load Protection
- Over Heat Protection



Power	Vout	Outlet	USB	Size	Code
300Wrms	240Vac	x1	x1 (2.1A)	68x268x214mm	FTS300P
600Wrms	240Vac	x2	x2 (2.1A)	118x300x235mm	FTS600P
800Wrms	240Vac	x2	x2 (2.1A)	118x300x235mm	FTS800P
1200Wrms	240Vac	x2	x2 (2.1A)	118x400x235mm	FTS1200P



### 240V INVERTERS PURE - GSL

#### PURE SINE WAVE TYPE

Suit appliances that use sensitive switchmode supplies or induction  
reactive like heater or motored items. Circuit & battery protected.  
Combine the wattages of all items you wish to run and then add 20%  
for RMS value. Lugged is leads with screw lugs terminated.

Rms	Surge	Connector	Size	Code
150W	450W	Acsry. Plug	210x165x100mm	SW150-12



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## 12V Power Accessories

### FLUORO-INVERTERS

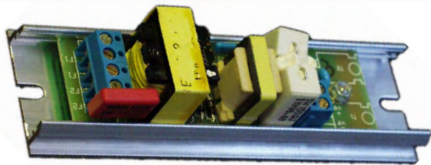
Run fluorescent lamps from a 12V or 24V source. Latest technology and design. Will fit inside the tubes' base housing or optional external cover. Replaces existing ballast. High quality, light weight, compact construction with aluminium base for heat sink. Screw terminals for easy installation. 33KHz Sinewave operation for high efficiency and low current drain. Protection against reverse polarity connection. Available in 20W or 40W, 12V or 24V. Reliable, long lasting construction.



LAMP NOT INCLUDED

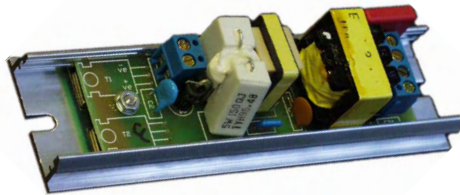
#### 12V INVERTER 20W or 40W

Watt	Vin	I <sub>load</sub>	I <sub>idl</sub>	I <sub>max</sub>	Size	Code
15-20W	9-15Vdc	1.2A	0.4A	2.0A	130x40x30mm	FL12-20
30-40W	9-15Vdc	1.6A	0.4A	2.0A	150x40x30mm	FL12-40



#### 24V INVERTER 20W or 40W

Watt	Vin	I <sub>load</sub>	I <sub>idl</sub>	I <sub>max</sub>	Size	Code
15-20W	18-28Vdc	0.5A	0.2A	1.2A	110x40x30mm	FL24-20
30-40W	18-28Vdc	0.8A	0.1A	1.5A	150x40x30mm	FL24-40



#### OPTIONAL COVER TO SUIT

The inverters can be installed inside the lamps casing or use this Snap fit cover. Reduces noise & hum. Aluminium.



Size	Code
150x40x35mm	FLC150

### ELECTRONIC BATTERY ISOLATOR

FOR AUXILIARY BATTERY CONNECTION  
MADE IN AUSTRALIA FOR VEHICLE  
ELECTRICAL SYSTEMS

Connect two batteries to the one charging circuit. The primary battery is for vehicle operation. The Auxiliary battery is for your equipment, eg. the inverters found on these pages. The primary battery is always in the charging circuit. Only when it reaches 13.2V will the auxiliary battery be connected into the charge. The auxiliary battery is disconnected from the primary battery if the primary battery falls below 11.4V. This protects you from two flat batteries!

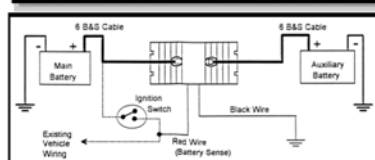


Run Two Batteries On One System!



Type	Code
150A	EBI-150

#### Run Two Batteries In Your Vehicle



Excellent idea if you want to start your vehicle again.

### 24V-12V REDUCERS AERPRO

#### See the AUTOMOTIVE SECTION

Car amplifier style switch mode type with inbuilt cooling fan.  
30A peak output (300W)  
180x100x50mm

Power	Size	Code
30A max	180x100x50mm	AP829



### 24V-12V REDUCERS GSL LINEAR

#### MADE IN AUSTRALIA

Converts 24V Systems to the lower 12V accessories output for popular items. Suit Audio & Phone, etc. Quality build long-life. Made tough for Australia. Full unconditional protected. Power rating is 12V output.

Power	Size	Code
3A	135x80x40mm	DC24123
5A	135x115x50mm	DC24125
7A	160x115x50mm	DC24127
10A	225x115x50mm	DC241210



### 24V-12V REDUCERS GSL SWITCH-MODE

#### HIGH EFFICIENCY - LOW HEAT

For higher power ratings in a professional grade package. Features efficient conversion for a cooler and longer life. Compact convenient mounting. Accepts 20 to 30Vdc input Premium grade product made in Australia by GSL.

Power	Size	Code
20A	155x115x65mm	DC241220
30A	220x115x65mm	DC241230



[www.gsl.com.au](http://www.gsl.com.au)

#### AUSTRALIAN AUTOMOTIVE ELECTRONICS

DATA SHEETS ARE AVAILABLE

Too much to list here!

Details at [www.gsl.com.au](http://www.gsl.com.au)

Or please ask for a datasheet!

Excellent range of voltage devices for cars and trucks

Premium grade Australian made.







# Power & Lighting

## □ Battery Chargers

### AC-DELCO CHARGER 75W

#### LEAD ACID BATTERY 6V & 12V UP TO 6 AMPS OUTPUT

Suitable for all types of both 6V and 12V lead acid batteries - sealed, flooded, gel, AGM, calcium, automotive, marine, deep cycle over 10Ah capacity. 73x160x186mm 1Kg.

- Charges both 6V & 12V batteries via auto-detect voltage function.
- Selectable current outputs of 2Amps, 4Amps and 6Amps.
- Three Stage fully automatic logic controlled.
- Stages are - Qualifying Voltage - Bulk Charge - Absorption Charge.
- Automatic shutdown.
- LED indication for percentage of achieved charge.
- Error checking.
- Overcharge protection.
- Overheating protection.
- Short circuit protection.
- Spark proof clamps.
- Lightweight compact design.

**ACDelco**



Code  
I-7011

### SLA QUICK CHARGER 1000mA

#### 2 Stage Intelligent Charger

Charges sealed lead acid (12Ah)  
Fast-Charge to 90% then trickle  
Alligator Clips.

Volts	Current	Code
12V	1000mA	LAC1201



### SLA BATTERY MONITOR

#### 12V & 24V ADVANCED MONITORING

Portable LCD tester that monitors the status & welfare of your lead acid battery and charger operation. Suitable for all types of 12V & 24V lead acid batteries - automotive, marine, cyclic, standby, sealed, flooded, AGM & Gel. 4 digit LCD voltage display plus icons indicate 8 different status parameters of battery and charging conditions. Includes; Large Clips, ring terminals or Car accessories plug.

Code  
BT124LCD



### 12V SLA & CHARGER TESTER

#### HANDY QUICK TEST

Compact size tester. LED battery tester for 12V battery, progressive light bar for showing battery capacity plus a charger check. Suitable for all range of 12V lead acid batteries. Charger over-voltage indicates Bad. Charger under voltage no indication. Charging indicates good.

Code  
BT012RB



### 12V BATTERY MONITOR

#### STATUS INDICATOR

Push the Button to indicate battery charge. Four status levels displayed by 4 LEDs. 11.5V to 12.5V Compact. Strap hold. Ring terminal leads. Suit 12V SLA check. Water resistant.

Code  
BT012WR







## “BFL” BATTERY FIGHTER

### AWARD WINNING CHARGERS

3 Year Warranty Pro-quality Intelligent charging and SLA battery maintenance system. Spark-proof. Fully protected With multiple stage charging for maximising performance. This will save you time and prolong the life of your expensive sealed lead acid batteries. Suits 6V or 12V. Excellent for electric cars Golf carts, motor bikes, etc.

Datasheets available



## “BFL” BATTERY FIGHTER CHARGER LEADS

All “Battery-Fighter” Chargers Include Lead to alligator clips and Ring terminals BFL1 BFL2 To customise your application extra plug solutions are here: 50cm 18AWG UL SPT-2 Lead Constar Quick Disconnect “CONSTAR” PLUG Plug to Plug Extensions

Length	Code
30cm	QD2P
3M	BFL7



## “BFL” LEADS AVAILABLE

Suits Battery Fighter range.

### 4.8mm SPADE

45cm Battery terminal

Code
BFL5



### 6.35mm SPADE

45cm Battery terminal

Code
BFL6



### LEAD & ALLIGATOR CLIPS

Code
BFL1



### ACCESSORIES PLUG

45cm Car accessories plug

Code
BFL4



### ACCESSORIES SOCKET

45cm Car accessories socket

Code
BFL8



### RING TERMINALS

50cm M5 Screw connect

Code
BFL2



### VW-VBM PLUG

18cm Suits Panasonic Battery

Code
PL10



Bare ends

## “BFL” MONITOR METER

### INLINE VOLTAGE

Plugs inline with the “Constar” charger lead Measures voltage 5-40Vdc LCD 4 Digit Display Monitors charge voltage or battery voltage.

Code
BFL9



## “BFL” BATTERY FIGHTER 15W

### 12V 1250mA

240Vac SLA battery charger  
4 Stage battery maintenance:  
1/ Diagnose and inform Status  
2/ Bulk Charge 1.25Amps 80%  
3/ Absorption Charge 14.4V  
4/ Float charge long-term  
Metal Box 93x105x92mm  
3 Years Warranty

Code
BFA012



## “BFL” BATTERY FIGHTER 12V 1250mA

240Vac SLA battery charger  
4 Stage battery maintenance.  
New 6 LED status display  
85x65x185mm power-pack IP68  
3 Years Warranty

Volts	Current	Code
12V	1250mA	BFM012



## “BFL” BATTERY FIGHTER JUNIOR 6V/12V 750mA

240Vac SLA battery charger  
3 Stage battery maintainer  
Test / Bulk / Float charge. Pro grade. **3 Years Warranty**

Volts	Current	Code
6V	750mA	BFJ006
12V	750mA	BFJ012



## “BFL” BATTERY FIGHTER 12V 1000mA

### 3 LED STATUS

240Vac SLA battery charger. 3 Stage battery maintainer. Micro-processor controlled. Test / Bulk / Float charge. With LED Status indicators. Water proof power pack IP68. Wall mount bracket solution. Spark proof. Fully protected. 55x45x105mm plastic PC94VO. Alligator or ring contacts.

Volts	Current	Code
12V	1000mA	BSC1210WR



## “BFL” BATTERY FIGHTER 12V 1500mA

### 6 LED STATUS

240Vac SLA battery charger. 4 Stage battery maintainer. Micro-processor controlled. Test / Bulk / Absorption & then maintenance mode. With LED Status indicators. Water proof power pack IP68. Wall mount bracket solution. Spark proof. Fully protected. Alligator or ring contacts.

Volts	Current	Code
12V	1500mA	BFS1215WR



## “BFL” BATTERY FIGHTER 12V/24V 3000mA

240Vac SLA battery charger. 4 Stage battery maintainer. Micro-processor controlled. Test / Bulk / Absorption & then maintenance mode. With LED Status indicators. Water proof IP65. Wall mount bracket solution. Spark proof. Fully protected. Alligator or ring contacts. Ideal wheelchair, golf buggy, heavy-duty 12V/24V charger.

Volts	Current	Code
12V	3A	BFP012
24V	3A	BFP024







# Power & Lighting

## Power Supplies

### Power Supply Quick Guide

#### POWER PACK - QUICK REFERENCE GUIDE

Voltage	Current	Size	Plug	Type	Requires	Code
3Vdc	300mA	EIAJ-01	Pos.Tip	Linear		DCA300-3PM
3Vdc	1000mA	2.1mm	Pos.Tip	Switch Mode		SMP1000-3-21P
3Vdc	1000mA	EIAJ-01	Pos.Tip	Switch Mode		SMP1000-3-0.7P
3.3Vdc	3000mA	2.1mm	"R"	Switch Mode		SMP3.3V-3A-21R
5Vdc	1A	2.1mm	Pos.Tip	Switch Mode		SMP1000-5P
5Vdc	1000mA	2.1mm	Neg.Tip	Switch Mode		SMP1000-5N
5Vdc	1000mA	2.1mm	"R"	Switch Mode		SMP1000-5R
5Vdc	2000mA	2.1mm	Positive	Switch Mode		SMP5V-2A-21P
5Vdc	2000mA	2.1mm	"R"	Switch Mode		SMP2000-5RLP
5Vdc	2000mA	2.5mm	Pos.Tip	Switch Mode	ACL104	SMP2000-5-25P
5Vdc	2000mA	1.3mm	Pos. Tip	Switch Mode		DSA15P05AU1.3MM
5Vdc	3000mA	2.1mm	"R"	Switch-Mode		SMP5V-3A-21R
5Vdc	5000mA	2.1mm	"R"	Switch Mode		SMP5000-5-21R
6Vdc	300mA	2.1mm	"R"	Linear		DCA300-6RM
6Vdc	300mA	2.1mm	Pos.Tip	Linear		DCA300-6PM
6Vdc	300mA	2.1mm	Neg.Tip	Linear		DCA300-6NM
6Vdc	500mA	2.1mm	"R"	Linear		DCA500-6RM
6Vdc	500mA	2.1mm	Pos.Tip	Linear		DCA500-6PM
6Vdc	500mA	2.1mm	Neg.Tip	Linear		DCA500-6NM
6Vdc	500mA	2.1mm	Pos.Tip	Switch Mode		SMP500-6P
6Vdc	500mA	2.1mm	"R"	Switch Mode		SMP500-6R
6Vdc	800mA	2.1mm	Neg.Tip	Switch Mode		SMP800-6N
6Vdc	1000mA	2.1mm	Pos. Tip	Switch Mode		SMP1000-6P
6Vdc	1000mA	2.1mm	"R"	Switch Mode		SMP1000-6R
6Vdc	2000mA	2.1mm	"R"	Switch Mode	ACL104	SMP2000-6R
6Vdc	2000mA	2.5mm	Pos.Tip	Switch Mode		SMP2000-6-25P
6Vdc	2500mA	2.1mm	"R"	Switch-Mode		SMP6V-2.5A-21R
7.5Vdc	600mA	2.1mm	Pos.Tip	Switch Mode		SMP600-7.5P
7.5Vdc	600mA	2.1mm	Neg.Tip	Switch Mode		SMP600-7.5N
7.5Vdc	600mA	2.1mm	"R"	Switch Mode		SMP600-7.5R
7.5Vdc	800mA	2.1mm	"R"	Switch Mode		SMP800-7.5R
7.5Vdc	3000mA	2.1mm	Pos.Tip	Switch Mode		SMP7.5V-3A-21R
9Vdc	300mA	2.1mm	"R"	Linear		DCA300-9RM
9Vdc	300mA	2.1mm	Pos.Tip	Linear		DCA300-9PM
9Vdc	300mA	2.1mm	Neg.Tip	Linear		DCA300-9NM
9Vdc	500mA	2.1mm	"R"	Linear		DCA500-9RM
9Vdc	500mA	2.1mm	Pos.Tip	Linear		DCA500-9PM
9Vdc	500mA	2.1mm	Neg.Tip	Linear		DCA500-9NM
9Vdc	500mA	EIAJ-04	Pos.Tip	Linear		DCA9501PM
9Vdc	500mA	2.1mm	Pos.Tip	Switch Mode		SMP500-9P
9Vdc	500mA	2.1mm	Neg.Tip	Switch Mode		SMP500-9N
9Vdc	500mA	2.1mm	"R"	Switch Mode		SMP500-9R
9Vdc	500mA	2.5mm	Pos.Tip	Switch Mode		SMP500-9R-2.5P
9Vdc	1000mA	2.1mm	"R"	Switch Mode		SMP9V1A-21R
9Vdc	1200mA	2.1mm	Reversible	Linear		DCA913
9Vdc	1200mA	2.1mm	Neg.Tip	Linear		DCA912
9Vdc	1200mA	2.1mm	"R"	Switch Mode		SMP1200-9R
9Vdc	2000mA	2.1mm	"R"	Switch Mode	ACL104	SMP2000-9R
9Vdc	3000mA	2.1mm	"R"	Switch Mode		SMP9V-3A-21R
12Vdc	100mA	2.1mm	Pos.Tip	Linear		DCA100-12PM
12Vdc	200mA	2.1mm	Pos.Tip	Linear		DCA200-12PM
12Vdc	300mA	2.1mm	"R"	Linear		DCA300-12RM
12Vdc	300mA	2.1mm	Pos.Tip	Linear		DCA300-12PM
12Vdc	300mA	2.1mm	Neg.Tip	Linear		DCA300-12NM
12Vdc	300mA	2.5mm	Positive	Linear		DCA300-12-25P
12Vdc	400mA	2.1mm	Pos.Tip	Switch Mode		SMP400-12P
12Vdc	400mA	2.1mm	Neg.Tip	Switch Mode		SMP400-12N
12Vdc	400mA	2.1mm	"R"	Switch Mode		SMP400-12R
12Vdc	500mA	2.1mm	"R"	Linear		DCA500-12RM
12Vdc	500mA	2.1mm	Pos.Tip	Linear		DCA500-12PM
12Vdc	500mA	2.1mm	Neg.Tip	Linear		DCA500-12NM
12Vdc	500mA	2.1mm	"R"	Switch Mode	ACL104	SMP500-12R
12Vdc	500mA	1.0mm	Pos.Tip	Linear		DCA12501PM
12Vdc	500mA	EIAJ-04	Pos.Tip	Linear		DCA12502PM
12Vdc	1000mA	2.1mm	"R"	Linear		DCA1000-12RM
12Vdc	1000mA	2.1mm	"R"	Switch Mode		SMP1000-12R
12Vdc	1000mA	2.1mm	Pos.Tip	Switch-Mode		SMP12V1A-21P
12Vdc	1000mA	Bare Wire	No	Switch-Mode		SMP12V1A-WT
12Vdc	1500mA	2.1mm	Pos.Tip	Switch Mode		SMP1500-12-21P
12Vdc	1500mA	2.1mm	"R"	Switch Mode		SMP12V-1.5A-21R
12Vdc	1500mA	2.1mm	"R"	Switch Mode		SMP1500-12R

#### NOTE:

**ACL104 or ACL106 MAY BE REQUIRED !**  
Some Transformers may require a power lead  
(Not Supplied - Please Order separately)

#### NEED A UNIQUE PLUG TYPE?

**"R"**

#### Removable - Reversible

New "Locking" type plugs as used with  
all our SMP Switch Mode Power Packs



#### QUICK REFERENCE GUIDE



See Following Pages  
For More Item Details





## POWER PACK - QUICK REFERENCE GUIDE - Continued...

Voltage	Current	Size	Plug	Type	Requires	Code
12Vdc	2000mA	2.1mm	Positive	Switch Mode		SMP12V-2A-21P
12Vdc	2000mA	2.1mm	"R"	Switch Mode	ACL104	SMP2000-12R
12Vdc	2500mA	2.1mm	"R"	Switch Mode		SMP12V-2.5A-21R
12Vdc	3000mA	2.1mm	Positive	Switch Mode		SMP12V-3A-21P
12Vdc	3000mA	2.1mm	"R"	Switch Mode	ACL104	SMP3000-12R
12Vdc	4000mA	2.1mm	"R"	Switch Mode	ACL104	SMP4000-12R
12Vdc	4000mA	2.5mm	Pos.Tip	Switch Mode	ACL104	SMP4000-12-25P
12Vdc	5000mA	2.1mm	Pos.Tip	Switch Mode		SMP12V5A-21P
12Vdc	5000mA	2.1mm	"R"	Switch Mode	ACL106	SMP5000-12R
12Vdc	5000mA	2.1mm	"R"	Switch Mode		SMP12V5A-21R
12Vdc	5000mA	2.5mm	Pos.Tip	Switch Mode		SMP12V5A-25P
12Vdc	5000mA	2.5mm	Pos.Tip	Switch Mode	ACL106	SMP5000-12-25P-IEC
12Vdc	6000mA	2.5mm	Positive	Switch Mode		SMP12V-6A-25P
12Vdc	7500mA	2.5mm	Pos.Tip	Switch Mode		SMP12V7.5A-25P
12Vdc	10A	2.5mm	Pos.Tip	Switch Mode		SMP12V10A-25P
12Vdc	12A	2.5mm	Pos.Tip	Switch Mode		SMP12V12A-25P
13.5Vdc	2000mA	2.1mm	"R"	Switch Mode		SMP13.5V-2A-21R
13.8Vdc	850mA	-	Car Socket	Switch Mode		SMP860
13.8Vdc	4Arms	4mm	Posts	Linear		RPS212
13.8Vdc	5Arms	4mm	Posts	Linear		MP3096
13.8Vdc	10Arms	4mm	Posts	Switch Mode		SEC1212
14Vdc	500mA	2.1mm	Pos.Tip	Switch Mode		SMP500-14P
14Vdc	500mA	2.1mm	"R"	Switch Mode		SMP500-14R
14Vdc	2000mA	2.1mm	"R"	Switch Mode		SMP14V-2A-21R
18Vdc	1600mA	2.1mm	"R"	Switch Mode		SMP18V-1.6A-21R
18Vdc	3000mA	2.1mm	Pos.Tip	Switch Mode		SMP18V-3A-21P
19Vdc	1500mA	2.1mm	"R"	Switch Mode		SMP19V-1.5A-21R
19Vdc	3160mA	2.1mm	"R"	Switch Mode	ACL104	SMP3160-19R
24Vdc	2500mA	2.5mm	Pos.Tip	Switch Mode	ACL104	SMP2500-24-25P
24Vdc	1000mA	2.1mm	Pos.Tip	Linear		DCA1000-24P
24Vdc	1200mA	2.1mm	Pos.Tip	Switch Mode		SMP24V-1.2A-21R
24Vdc	1500mA	2.1mm	"R"	Switch Mode	ACL104	SMP1500-24RLP
24Vdc	2500mA	2.1mm	"R"	Switch Mode	ACL104	SMP2500-24R
24Vdc	6000mA	2.5mm	Pos.Tip	Switch Mode		SMP24V6A-25P



## MULTI-VOLTAGE TYPES

Voltage	Current	Plug	Type	Code
3/4.5/5/6/9/12Vdc	1A	Kit [x6]	Switch Mode.	SMP1000A
3/5/6/7.5/9/12Vdc	2500mA	Kit [x7]	Switch Mode.	SMP-27WME
3/5/6/7.5/9/12/13.8V	3Amax	Kit	Switch Mode.	SMP36W
3Vdc to 13.8Vdc	3A-3.5A	Kit	Switch Mode.	SMP48W
14/15/16/18/19/20/21/22Vdc	4A-6A	Kit	Switch Mode.	SMP90W
12Vdc to 24Vdc	3.75A-4.5A	Kit	Switch Mode.	SMP9024
12Vdc to 24Vdc	3A-5A	Kit	Auto Select.	PAB90-BC10
12Vdc to 22Vdc	1.58A-4A	Kit	Auto Select.	LS-PAB70



## AC POWER PACKS

Voltage	Current	Size	Plug	Type	Code
9Vac	2000mA	2.1mm	Fixed	AC	ACA2000-9
10Vac	1000mA	2.1mm	2.1mm	AC	ACA1010
12Vac	1000mA	2.1mm	Fixed	AC	ACA1210
16Vac	1500mA	3x Wire	Wire	AC+Earth	ACA1615QE
16Vac	2500mA	2.5mm	Fixed	AC	ACA1625
24Vac	1000mA	Bare Wire	Wire	AC	ACA2410A
24Vac	1000mA	Bare Wire	Wire	AC	ACA2410
24Vac	2000mA	2.5mm	Fixed	AC	ACA2420



## SPECIAL PURPOSE POWER-PACKS

Volts	Current	Socket	Lead	Colour	Code
5V	1A	Cord	USB Male	White	USB902
4.5V	1A	Cord	USB Female	White	USB900
5V	1A	Cord	USB Female	White*	UE15WCP
4.5V	1A	Cord	USB Female	Black	USB904
5V	2.4A	Cord	Micro-USB	Black	CTC1008-BK
5V	2.4A	USB-Female	Micro-USB	Black	CTC1004-BK
5V	2.4A	USB-Female	Micro-USB	White	CTC1004-WH
5V	2.4A	Cord	Micro-USB Reversible	Black	CTC1009-BK
5V	2.4A	USB-Female	Mini-USB	Black	CTC1007-BK
5V	2.4A	Cord	Mini-USB Male	Black	CTC1010-BK
5V	2.4A	USB-Female	USB-C	White	CTC1006-WH
5V	2.4A	USB-Female	USB-C	Black	CTC1006-BK
5V	2.4A	USB-Female	Lightning Non-MFI	White	CTC9074-WH
5V	2.4A	USB-Female	Lightning MFI	White	CTC9072-WH

USB-Female with Data Cable

Cord Type



iPOD iPHONE iPAD have registered trademarks. Units Not Included





# Power & Lighting

## Power Supply AC-AC

### 9 Vrms 2000mA AC

2.1mm Plug  
ALTERNATING  
VOLTAGE 2.0A

Code  
ACA2000-9



### 10 Vrms 1000mA AC

2.1mm Plug  
ALTERNATING  
VOLTAGE 1A

Code  
ACA1010



### 12 Vrms 1000mA AC

2.1mm Plug  
ALTERNATING  
VOLTAGE 1A

Code  
ACA1210



### 16 Vrms 1500mA AC

High Quality with very low audible noise.  
Outputs 16 Volts AC RMS.  
Earth wire optionally included.

Type	Code
AC	ACA1615Q
AC+Earth	ACA1615QE



### 16 Vrms 2500mA AC

2.5mm Plug  
ALTERNATING  
VOLTAGE 2.5A

Code  
ACA1625



### 24 Vrms 1000mA AC

No Plug - Wire End  
60x80x55mm

Code  
ACA2410A



### 24 Vrms 1000mA AC

#### IN-LINE TYPE

No Plug - Wire End  
60x45x90mm

Code  
ACA2410



### 24 Vrms 2000mA AC

#### IN-LINE TYPE

2.5mm Plug

Code  
ACA2420



## Power Supply Linear Type

### 3 Volt 300mA DC LINEAR

#### EIAJ-01 DC PLUG

0.7x2.35mm Plug  
Attached plug with  
Positive Tip

Code  
DCA300-3PM



### 6 Volt 300mA DC LINEAR

#### 2.1mm "R" Reversible

Code  
DCA300-6RM

#### 2.1mm Negative Tip

Code  
DCA300-6NM

#### 2.1mm Positive Tip

Code  
DCA300-6PM



### 6 Volt 500mA DC LINEAR

#### 2.1mm "R" Reversible

Code  
DCA500-6RM

#### 2.1mm Negative Tip

Code  
DCA500-6NM

#### 2.1mm Positive Tip

Code  
DCA500-6PM



### 9 Volt 300mA DC LINEAR

#### 2.1mm "R" Reversible

Code  
DCA300-9RM

#### 2.1mm Negative Tip

Code  
DCA300-9NM

#### 2.1mm Positive Tip

Code  
DCA300-9PM



### 9 Volt 500mA DC LINEAR

#### 2.1mm "R" Reversible

Code  
DCA500-9RM

#### 2.1mm Negative Tip

Code  
DCA500-9NM

#### 2.1mm Positive Tip

Code  
DCA500-9PM



### 9 Volt 500mA DC LINEAR

#### 1.0mm DC PLUG

3.5x9.0mm Barrel  
1.0mm Centre  
Positive Tip.

Code  
DCA9501PM



### 9 Volt 1200mA DC LINEAR

#### 2.1mm Negative Tip

Code  
DCA912

#### 2.1mm Reversible Tip

Code  
DCA913







## □ Power Supply Linear Type

### 12 Volt 300mA DC LINEAR

2.1mm "R" Reversible

Code  
DCA300-12RM

2.1mm Negative Tip

Code  
DCA300-12NM

2.1mm Positive Tip

Code  
DCA300-12PM



### 12 Volt 500mA DC LINEAR

2.1mm "R" Reversible

Code  
DCA500-12RM

2.1mm Negative Tip

Code  
DCA500-12NM

2.1mm Positive Tip

Code  
DCA500-12PM



### 12 Volt 500mA DC LINEAR

1.0mm Positive Tip

Miniature DC Plug

Code  
DCA12501PM

EIAJ-04 3.4x5.5mm  
1.0mm pin Positive Tip

Code  
DCA12502PM



### 13.8 Volt 1000mA DC - ACCESSORIES SOCKET

#### ACCESSORIES SOCKET

Car accessories socket  
For Auto accessories

Code  
SMP860



### 24 Volt 1000mA DC LINEAR

2.1mm Plug Positive

tip In-Line style "C"

Core transformer  
High power 25Watt

Code  
DCA1000-24P



## □ Power Supply Benchtop

### 13.8VDC 2A/4A POWER SUPPLY

#### TRANSFORMER TYPE

Transformer type power supply that is quieter than SMPS. Ideal for work benches, etc. Excellent cyclic power for base stations, etc. Thermal & Over Current protected.

Rated 2A indefinitely, 3A (4Hrs), 4A (1Hr).

Metal Case.

1.7Kg 75x102x190mm

Code  
RPS212



### 13.8V 5A/7A DC POWER SUPPLY

Rated at 5A Continuous and 7A peak (cycled). Full metal case with heat sink. Regulated, protected, earthed. 4mm Binding Posts.

Code  
MP3096



### 13.8V 10A/14A DC SWITCH-MODE

#### SWITCH MODE - PROTECTED

10Arms & Short term 14A with intelligent protection Heavy gauge metal cabinet 4mm Binding posts at 180 x 60 x 190mm

Code  
SEC1212



### VARIABLE LAB POWER SUPPLY

0 TO 30Vdc 5000mA

Fixed 5Vdc and 12Vdc

(Floats for negative)

Plus Variable 30Vdc

Current limiter Adj.

Digital displays

Code  
NP9615







# Power & Lighting

## Power Supply USB

### USB INTELLIGENT CHARGER 10 PORT 120W - HUB

10 independent USB outputs for fast charging 10 iPads®, tablets, phones at 2.4 Amp each. Ultra-High Power, Intelligent Recognition for Speed Fast Charging with Auto-detecting current control for safe charging. Equipped with the latest GI3520 USB3.0 chipset, 4 port hub can transfer data at up to 5Gbps. AC input 100-240V with master power switch.

Features over current, over voltage, over temperature protection and short circuit protection. 155x105x32mm



#### Code

LS-10U24F-HUB

### USB INTELLIGENT CHARGER 10 PORT 60W

60W 5x2.4A or 10x1.0A

USB charger with 5x faster USB charging ports and 5x regular USB charging ports. Includes AC power lead. Size: 155x60x40mm

#### Colour Code

Black LS-10UH-BK

White LS-10UH-WH



### USB INTELLIGENT CHARGER 6 PORT 51W

#### INTELLIGENT CHARGING COMPATIBLE WITH ALL DEVICES

Outputs total of 51W (10.2 Amps) with 3x high power charging outlets (2.4A) for iPads® and tablets and 3x charging outlets (1A) for mobiles and accessories. Senses the devices power requirements and automatically adjusts the output to power or charge your device at optimal performance and protection. Your device will charge faster than a non-intelligent charger plus battery cycle life is extended. Multiple built-in safety protection functions.

#### Ports

3x2.4A + 3x1A LS-6U

#### Code



### POWERBOARD WITH USB HUB & POWER

#### 1A POWERED 4 WAY USB + 4 WAY USB HUB

4 surge and overload protected mains outlets.

4 USB charging outlets for powering and charging USB devices (1A total).

In addition, it also features an onboard 4 port USB hub to connect additional USB computer peripheral devices to your computer.

#### Code

PT4014HUB



### POWER BOARD WITH USB POWER

#### SPACED SOCKETS

2x USB Sockets for Powering USB devices and charging, etc.

5Vdc Amps is total.

Surge protection. Spaced sockets. 10A Circuit Breaker.

Type	6 Way	6 Way	4 Way	4 Way
Amps	1A (Total)	3.1A (Total)	1A (Total)	3.1A (Total)
Code	PT6969SUSB	PT6969SUSB3A	PT2929SUSB	PT2929SUSB3A



MORE POWER BOARDS  
ARE AVAILABLE 08-101

### USB & POWER THROUGH OUTLET

#### BUILT-IN MAINS SURGE PROTECTOR

Power or charge your USB powered devices. USB charging outlets, a power status indicator and a surge protected 240V outlet.

Outlet	Amps	Code
2x USB	1A (Total)	PT1USB
2x USB	3.1A (Total)	PT1USB3A
4x USB	1A (Total)	PT4USB
4x USB	4A (Total)	PT4USB4A



### USB INTELLIGENT CHARGER 4 PORT 34W

The compact USB charger features 4 intelligent USB charging ports with up to 34 Watts of power (6.8A). It is capable of charging up to 2 iPads/tablets (at 2.4 Amp) and 2 smartphones (at 1 Amp) simultaneously. 100-240Vac.

Code  
LS-4UD







## USB POWER SUPPLY AC - CELLINK

Packaging	Amps	Colour	Code
Blister	2.1A	Black	CTC1002-BK
Blister	2.1A	White	CTC1002-WH
Blister	2.4A	Black	CTC1003-BK
Blister	2.4A	White	CTC1003-WH
Bulk	2.1A	Black	BAC1002-BK
Bulk	2.1A	White	BAC1002-WH
Bulk	2.4A	Black	BAC1003-BK
Bulk	2.4A	White	BAC1003-WH



## USB POWER SUPPLY AC - CELLINK CTC 2.4A

### USB SOCKET WITH DATA CABLE TO:

Plug	Colour	Code
Micro-USB Male	Black	CTC1004-BK
Micro-USB Male	White	CTC1004-WH
Micro-USB Reversible	Black	CTC1005-BK
Micro-USB Reversible	White	CTC1005-WH
USB-C	Black	CTC1006-BK
USB-C	White	CTC1006-WH
Mini-USB Male	Black	CTC1007-BK



## USB POWER SUPPLY AC - CELLINK BULK 2.4A

### USB SOCKET WITH DATA CABLE TO:

Plug	Colour	Code
Micro-USB	Black	BAC1004-BK
Micro-USB	White	BAC1004-WH
Micro-USB Reversible	Black	BAC1005-BK
Micro-USB Reversible	White	BAC1005-WH
USB-C	Black	BAC1006-BK
USB-C	White	BAC1006-WH
Mini-USB	Black	BAC1007-BK



## USB POWER SUPPLY AC - CELLINK 2.4A

### STANDARD 1.2M CORD TYPE

Packaging	Plug	Code
Blister	Micro-USB Male	CTC1008-BK
Blister	Micro-USB Reversible	CTC1009-BK
Blister	Mini-USB Male	CTC1010-BK
Bulk	Micro-USB Male	BAC1008-BK
Bulk	Micro-USB Reversible	BAC1009-BK
Bulk	Mini-USB Male	BAC1010-BK



## USB POWER SUPPLY AC - CELLINK 1A

Voltage	5Vdc	5Vdc	5Vdc	5Vdc
Current	1A	1A	1A	1A
Colour	White	White	Black	White*
Plug	USB Male	USB Female	USB Female	USB Female
Code	USB902	USB900	USB904	UE15WCP



UE15WCP has no packaging and not suitable for smart devices.

## NOKIA PHONE CHARGER

### CLASSIC NOKIA REPLACEMENT

Packaging	Code
Blister	CTC4220
Bulk	BAC4220



## USB POWER SUPPLY AC COMPACT

### CHARGE AND POWER USB

Voltage	5V	5V	5V
Current	1A	2.4A	3.4A
Plug	USB Socket x1	USB Socket x1	USB Socket x2
Code	PTXUSB	ADM70A	ADM72



## USB POWER SUPPLY AC OS - 2.1A

### SWAP MAINS PLUGS

100Vac - 240Vac  
Output: 5V at 2.1A Total

Brand	Korjo	Jackson
Current	2.1A Max	2.1A max
Code	USB04	PTA7724



## USB POWER SUPPLY AC - 3.4A AERPRO

- High power 3.4A charger rating (2.4A + 1A)
- Able to charge Phone and Tablet at the same time

Current	3.4A
Voltage	5V
Code	ADM72



## USB POWER MICRO-USB & LIGHTNING 2.1A

2.1A Power Micro-USB Plug plus  
Apple approved Lightning Adaptor

Plug	Micro-USB & Lightning
Current	2.1A
Code	APL1005



## APPLE™ COMPATIBLE POWER SUPPLY AC

Apple® non-approved Cellink branded.  
Compact power packs blister packaging.

Model	Colour	Current	Code
30 Pin	White	1A	CTC9002
30 Pin	Black	1A	CTC9003
Lightning	Black	1A	CTC9050
Lightning	White	2.4A	CTC9074-WH
Lightning	Black	2.4A	CTC9074-BK



### MFI APPROVED

Model	Colour	Current	Code
Lightning	White	2.4A	CTC9072-WH

## TWO IN ONE MAINS GALAXY CHARGING KIT

High Current 240v  
USB Charger With  
USB Charging Y Lead  
Samsung 30 Pin and  
Micro USB Connectors.

Code	ADM77A
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# Power & Lighting

## Power Supply Switch-Mode

### SWITCH-MODE POWER PACKS

ALL SWITCH-MODE POWER PACKS ARE APPROVED TO AUSTRALIAN STANDARDS

Universal: Many Popular DC Voltages Available. The type "R" Reversible Plug System allows swapping the plugs polarity as well as replacing it with the plug required, available as an optional extra on the following pages...



BLISTER PACKED

### 5 VOLT 5A SWITCH-MODE

Voltage	5Vdc
Current	5000mA
Size	2.1mm
Plug	"R"
Code	SMP5000-5-21R

Requires ACL104-18

90x42x29mm



Requires ACL104 AC Lead

### 3 VOLT 1A SWITCH-MODE

Voltage	3Vdc	
Current	1000mA	
Size	EIAJ-01	2.1mm
Plug	Pos.Tip	Pos.Tip
Code	SMP1000-3-0.7P	SMP1000-3-21P



### 6 VOLT 500mA SWITCH-MODE

Voltage	6Vdc	
Current	500mA	
Size	2.1mm	2.1mm
Plug	Pos. Tip	"R"
Code	SMP500-6P	SMP500-6R



### 3.3 VOLT 3A SWITCH-MODE

Voltage	3.3Vdc
Current	3000mA
Size	2.1mm
Plug	"R"
Code	SMP3.3V-3A-21R



### 6 VOLT 800mA SWITCH-MODE

Voltage	6Vdc
Current	800mA
Size	2.1mm
Plug	Neg. Tip
Code	SMP800-6N



### 5 VOLT 1A SWITCH-MODE

Voltage	5Vdc		
Current	1A	1000mA	
Size	2.1mm	2.1mm	2.1mm
Plug	Pos.Tip	Neg.Tip	"R"
Code	SMP1000-5P	SMP1000-5N	SMP1000-5R



### 6 VOLT 1A SWITCH-MODE

Voltage	6Vdc	
Current	1000mA	
Size	2.1mm	2.1mm
Plug	Pos. Tip	"R"
Code	SMP1000-6P	SMP1000-6R



### 5 VOLT 2A SWITCH-MODE

Voltage	5Vdc	5Vdc
Current	2000mA	2000mA
Size	2.1mm	2.1mm
Plug	Positive	"R"
Code	SMP5V-2A-21P	SMP2000-5RLP



### 6 VOLT 2A SWITCH-MODE

Voltage	6Vdc
Current	2000mA
Size	2.1mm
Plug	"R"
Code	SMP2000-6R
	+ ACL104

Requires ACL104-18

67x48x27mm



Requires ACL104 AC Lead

### 5 VOLT 2A SWITCH-MODE

Voltage	5Vdc
Current	2000mA
Size	2.5mm
Plug	Pos. Tip
Code	SMP2000-5-25P
	+ ACL104

Requires ACL104-18



Requires ACL104 AC Lead

### 6 VOLT 2A SWITCH-MODE

Voltage	6Vdc
Current	2000mA
Size	2.5mm
Plug	Pos. Tip
Code	SMP2000-6-25P



### 5 VOLT 3A SWITCH-MODE

Voltage	5Vdc
Current	3000mA
Size	2.1mm
Plug	"R"
Code	SMP5V-3A-21R



BLISTER PACKED

### 6 VOLT 2.5A SWITCH-MODE

PLUG	2.1mm DC "R" Reversible plug
Voltage	6Vdc
Current	2500mA
Size	2.1mm
Plug	"R"
Code	SMP6V-2.5A-21R



BLISTER PACKED





## 7.5 VOLT 600mA SWITCH-MODE

Voltage	7.5Vdc		
Current	600mA		
Size	2.1mm	2.1mm	2.1mm
Plug	Pos.Tip	Neg.Tip	"R"
Code	SMP600-7.5P	SMP600-7.5N	SMP600-7.5R



## 9 VOLT 2A SWITCH-MODE

Voltage	9Vdc	
Current	2000mA	
Size	2.1mm	
Plug	"R"	
Code	SMP2000-9R	
	+ ACL104	

Requires ACL104-18



Requires ACL104 AC Lead

## 7.5 VOLT 800mA SWITCH-MODE

Voltage	7.5Vdc		
Current	800mA		
Size	2.1mm		
Plug	"R"		
Code	SMP800-7.5R		



## 9 VOLT 3A SWITCH-MODE

Voltage	9Vdc	
Current	3000mA	
Size	2.1mm	
Plug	"R"	
Code	SMP9V-3A-21R	



BLISTER PACKED

## 7.5 VOLT 3A SWITCH-MODE

Voltage	7.5Vdc		
Current	3000mA		
Size	2.1mm		
Plug	Pos.Tip		
Code	SMP7.5V-3A-21R		



BLISTER PACKED

## 12 VOLT 400mA SWITCH-MODE

Voltage	12Vdc		
Current	400mA		
Size	2.1mm	2.1mm	2.1mm
Plug	Pos.Tip	Neg.Tip	"R"
Code	SMP400-12P	SMP400-12N	SMP400-12R



## 9 VOLT 500mA SWITCH-MODE

Voltage	9Vdc		
Current	500mA		
Size	2.1mm	2.1mm	2.1mm
Plug	Pos.Tip	Neg.Tip	"R"
Code	SMP500-9P	SMP500-9N	SMP500-9R



## 12 VOLT 500mA SWITCH-MODE

Voltage	12Vdc	
Current	500mA	
Size	2.1mm	
Plug	"R"	
Code	SMP500-12R	



## 9 VOLT 500mA SWITCH-MODE

Voltage	9Vdc		
Current	500mA		
Size	2.5mm		
Plug	Pos.Tip		
Code	SMP500-9R-2.5P		



## 12 VOLT 1A SWITCH-MODE

Voltage	12Vdc	12Vdc	12Vdc
Current	1000mA	1000mA	1000mA
Size	2.1mm	2.1mm	Bare Wire
Plug	Pos.Tip	"R"	No
Code	SMP12V1A-21P	SMP12V1A-21R	SMP12V1A-WT



## 9 VOLT 1A SWITCH-MODE

Voltage	9Vdc		
Current	1000mA		
Size	2.1mm		
Plug	"R"		
Code	SMP9V1A-21R		



## 12 VOLT 1.5A SWITCH-MODE

Voltage	12Vdc	
Current	1500mA	
Size	2.1mm	
Plug	"R"	
Code	SMP12V-1.5A-21R	



BLISTER PACKED

## 9 VOLT 1.2A SWITCH-MODE

Voltage	9Vdc		
Current	1200mA		
Size	2.1mm		
Plug	"R"		
Code	SMP1200-9R		



## 12 VOLT 1.5A SWITCH-MODE

Voltage	12Vdc	
Current	1500mA	
Size	2.1mm	2.1mm
Plug	"R"	Pos.Tip
Code	SMP1500-12R	SMP1500-12-21P







# Power & Lighting

## 12 VOLT 2A SWITCH-MODE

Voltage	12Vdc
Current	2000mA
Size	2.1mm
Plug	Positive
Code	SMP12V-2A-21P



## 12 VOLT 5A SWITCH-MODE

Includes Figure Eight Power Lead

Voltage	12Vdc
Current	5000mA
Size	2.1mm
Plug	"R"
Code	SMP12V5A-21R
Included	



## 12 VOLT 2A SWITCH-MODE

Voltage	12Vdc
Current	2000mA
Size	2.1mm
Plug	"R"
Code	SMP2000-12R
	+ ACL104

Dimension: 110x34x50



Requires ACL104 AC lead

Requires ACL104-18

## 12 VOLT 5A SWITCH-MODE IEC

Voltage	12Vdc	12Vdc
Current	5000mA	5000mA
Size	2.1mm	2.5mm
Plug	"R"	Pos. Tip
Code	SMP5000-12R	SMP5000-12-25P-IEC
	+ ACL106	+ ACL106



1.8M ACL106BK-18

## 12 VOLT 2.5A SWITCH-MODE

Voltage	12Vdc
Current	2500mA
Size	2.1mm
Plug	"R"
Code	SMP12V-2.5A-21R



BLISTER PACKED

## 12 VOLT 6A SWITCH-MODE

Voltage	12Vdc
Current	6000mA
Size	2.5mm
Plug	Positive
Code	SMP12V-6A-25P



## 12 VOLT 3A SWITCH-MODE

Voltage	12Vdc
Current	3000mA
Size	2.1mm
Plug	Positive
Code	SMP12V-3A-21P



## 12 VOLT 7.5A SWITCH-MODE

Voltage	12Vdc
Current	7500mA
Size	2.5mm
Plug	Pos. Tip
Code	SMP12V7.5A-25P



170x60x40mm

## 12 VOLT 3A SWITCH-MODE

Voltage	12Vdc
Current	3000mA
Size	2.1mm
Plug	"R"
Code	SMP3000-12R
	+ ACL104

Dimension: 110x34x50



Requires ACL104 AC lead

Requires ACL104-18

## 12 VOLT 10A SWITCH-MODE

Voltage	12Vdc
Current	10A
Size	2.5mm
Plug	Pos. Tip
Code	SMP12V10A-25P



170x60x40mm

## 12 VOLT 4A SWITCH-MODE

Voltage	12Vdc	
Current	4000mA	
Size	2.1mm	2.5mm
Plug	"R"	Pos. Tip
Code	SMP4000-12R	SMP4000-12-25P
	+ ACL104	+ ACL104



Requires ACL104 AC Lead

Requires ACL104-18

## 12 VOLT 12A SWITCH-MODE IEC

Voltage	12Vdc
Current	12A
Size	2.5mm
Plug	Pos. Tip
Code	SMP12V12A-25P



AC LEAD INCLUDED

## 12 VOLT 5A SWITCH-MODE

Voltage	12Vdc
Current	5000mA
Size	2.5mm
Plug	Pos. Tip
Code	SMP12V5A-25P



Figure 8 Power Lead Included

## 13.5 VOLT 2A SWITCH-MODE

Voltage	13.5Vdc
Current	2000mA
Size	2.1mm
Plug	"R"
Code	SMP13.5V-2A-21R



BLISTER PACKED





## 14 VOLT 400mA SWITCH-MODE

Voltage	14Vdc
Current	400mA
Size	2.1mm
Plug	"R"
Code	SMP400-14R



## 19 VOLT 3.16A SWITCH-MODE

Voltage	19Vdc
Current	3160mA
Size	2.1mm
Plug	"R"
Code	SMP3160-19R + ACL104

Requires ACL104-18



Requires ACL104 AC Lead

## 14 VOLT 500mA SWITCH-MODE

Voltage	14Vdc	14Vdc
Current	500mA	500mA
Size	2.1mm	2.1mm
Plug	Pos. Tip	"R"
Code	SMP500-14P	SMP500-14R



## 24 VOLT 500mA SWITCH-MODE

Voltage	24 Vdc
Current	500mA
Size	2.1mm
Plug	Pos. TIP
Code	SMP500-24P



## 14 VOLT 2A SWITCH-MODE

Voltage	14Vdc
Current	2000mA
Size	2.1mm
Plug	"R"
Code	SMP14V-2A-21R



## 24 VOLT 1.2A SWITCH-MODE

Voltage	24Vdc
Current	1200mA
Size	2.1mm
Plug	Pos. Tip
Code	SMP24V-1.2A-21R



## 15 VOLT 2A SWITCH-MODE

Voltage	15Vdc
Current	2000mA
Size	2.1mm
Plug	"R"
Code	SMP15V2A-21R



## 24 VOLT 1.5A SWITCH-MODE

Voltage	24Vdc
Current	1500mA
Size	2.1mm
Plug	"R"
Code	SMP1500-24RLP +ACL104

Requires ACL104-18



Requires ACL104 AC Lead

## 18 VOLT 1.6A SWITCH-MODE

Voltage	18Vdc
Current	1600mA
Size	2.1mm
Plug	"R"
Code	SMP18V-1.6A-21R



## 24 VOLT 2.5A SWITCH-MODE

Voltage	24Vdc
Current	2500mA
Size	2.1mm 2.5mm
Plug	"R" Pos. Tip
Code	SMP2500-24R SMP2500-24-25P + ACL104 + ACL104

Requires ACL104-18



Requires ACL104 AC Lead

## 18V VOLT 3A SWITCH-MODE POWER SUPPLY

Voltage	18Vdc
Current	3000mA
Size	2.1mm
Plug	Pos. Tip
Code	SMP18V-3A-21P



## 24 VOLT 6A SWITCH-MODE

Voltage	24Vdc
Current	6000mA
Size	2.5mm
Plug	Pos. Tip
Code	SMP24V6A-25P



170x85x45mm

## 19 VOLT 1.5A SWITCH-MODE

Voltage	19Vdc
Current	1500mA
Size	2.1mm
Plug	"R"
Code	SMP19V-1.5A-21R



## POWER LEAD TO SUIT

PLEASE BEWARE:  
SOME UNITS MAY REQUIRE A  
POWER LEAD AS INDICATED

Figure 8 AC Power Lead



IEC ACL106 / ACL406  
IEC C13 AC Power Lead



Length	Code
0.5M	ACL104-05
1.8M	ACL104-18
3.0M	ACL104-3
5.0M	ACL104-5
0.3M	ACL406BK-03
1.8M	ACL106BK-18
3.0M	ACL106BK-3
5.0M	ACL406BK-5
10M	ACL406BK-10





# Power & Lighting

## Power Supply Multi-Voltage

### 12W MULTI-VOLTAGE 3V-13V

#### 1000mA 3-13Vdc

Travel pack 100-250Vac  
Includes 6x "R" Plug kit  
Lower V = Higher current  
3V 4.5V 5V 6V 9V 12V  
~1A Min. (12W Max.)

#### Code

SMP1000A



### 27W MULTI-VOLTAGE 2700mA (3-12Vdc)

#### COMPACT PLUG-PACK STYLE

Voltage select switch:  
3V/5V/6V/7.5V/9V/12V @ 2.5A  
Input 100V-240Vac  
Plug pack style  
Includes 7 DC plugs  
120x60x40mm

#### Code

SMP-27WME



### 36W MULTI-VOLTAGE 3V-13.8V GENERAL PLUGS

- 8x assorted DC tips
- Input power: 100-240Vac @ 1A
- Output voltage select switch
- 3V, 5V, 6V, 7.5V, 9V, 12V, 13.8V
- 3A max.
- Short circuit protection
- Overload protection

#### Code

SMP36W



### VARIABLE VOLTAGE SUPPLY

#### 30Vdc 5000mA

Fixed 5Vdc and 12Vdc (Floats for negative) Plus Variable 30Vdc  
Current limiter Adj. Digital displays

#### Code

NP9615



### 3.2-10.2V X8 DC POWER RACK - CYPRESS

#### EACH OUTPUT DIGITALLY ADJUSTABLE

The CPOWER-80W is an 8-way DC power splitter which can distribute electrical power up to 8 devices (10.2 volt/3.2 amp max. each port) with overall power consumption of 80 watts over 8 Terminal Blocks (3.5mm, 2 poles). Ideal for professional applications, this device provides smart control over each individual port and supports adjustable voltage control and On/Off switching functions. It can be controlled through on panel buttons or via RS-232 commands. It also comes with an OLED display which can show the status of all ports or data for a single port.

#### Code

CPOWER-80W



### 48W MULTI-VOLTAGE 3V-13.8V

Voltage select switch  
3V/5V/6V/7.5V/9V @ 3A  
12V @ 4A, 13.8V @ 3.5A  
Input 100V-260Vac  
Includes AC power lead  
Includes 7 DC plugs  
120x60x40mm

#### Code

SMP48W



### 90W MULTI-VOLTAGE 12V-24V GENERAL PLUGS

Suit Laptops, etc.  
8x assorted Plugs Power lead Inc.  
135x60x40mm Input 100-240Vac  
12, 15, 16, 18, 19, 20V @ 4.5A  
22V 24V @ 3.75A  
PLUS USB PORT  
Outputs 5Vdc 1A  
Powers USB devices

#### Code

SMP9024



### 90W MULTI-VOLTAGE 12V-22V LAPTOP PLUGS

#### NOTEBOOK ULTRABOOK NETBOOK etc.

Adjustable output Select switch x11  
9x assorted Plugs  
12V (6A) 14V 15V 16V (5A)  
18V 18.5V 19V 19.5V 20V (4.5A)  
21V 22V (4.0A)  
Includes AC Lead

#### Code

SMP90W



## 12V Power Junction Boxes

### 12V X18 OUTPUT CCTV POWER SUPPLY

#### 120W 10Amax UPS VERSION

UPS Version with battery backup (Not Included).  
Input 240Vac. Output 12Vdc 550mA x18.  
Metal cabinet 271x213x94mm.

#### Code

PS12V10A18CH



### BATTERIES TO SUIT

PS12V10A18CH Accepts maximum size:  
12V 190x80x110mm max. 6.3mm terminals

Brand	Capacity	Code
Ritar	7.2Ah	RT1272F2
Panasonic	7.2AH [36W]	UPVW1236P1
Ritar	9Ah	RT1290HF2FR
Panasonic	9Ah [45W]	UPVW1245P1







## Power Supply Laptop

### P70 INTELLIGENT POWER ADAPTOR 70W

#### MULTI-VOLTAGE LAPTOP SOLUTION

No fuss power supply replacement solution. No voltage switch to worry about or knock! Simply select the correct plug to suit the specific type of laptop and then the power-pack automatically determines the correct voltage required and regulates constant supply for powering and charging. Intelligent power for smart people! High efficiency switch-mode with low stand-by power drain. LED display of voltage output for visual confirmation. Voltage selected depends on plug.

- KIT INCLUDES TEN UNIVERSAL PLUGS
- 240Vac Mains powered adaptor Outputs 12Vdc to 22Vdc up to 70W Auto selected by plug chosen. Includes Plugs N01 - N08, N10, N13 (See below for details.) Suits most popular laptops. More available. For plug details, see the P70 Plugs below...

Code LS-PAB70

**P70  
PLUGS**

**VERY SIMPLE SOLUTION**  
Select the correct plug to suit your model of laptop and plug it in. The charger automatically regulates the correct voltage.



#### P70 PLUGS TO SUIT LS-PAB70

##### LISTING OF P70 PLUGS SUPPLIED IN THE LS-PAB70 KIT

\* N01-N08, N10 & N13 plugs are already supplied with the LS-PAB70. They are NOT available separately. Listed below for your reference only. Note: Plugs can be used for other applications if plug & voltage correct. Suit LS-PAB70 only. Plugs are NOT interchangeable with the BC10 series.

#### INCLUDED WITH LS-PAB70

* Included	Volts	Current	Plug	Brand	LS-PAB70
*KIT	9.5V	3A	EIAJ-03	Asus	P70-N01
*KIT	10.5V	1.9A	EIAJ-03	Sony	P70-N01
*KIT	12V	3A	EIAJ-03	HP Asus	P70-N02
*KIT	20V	3.25A	5.5/2.5	IBM Lenovo Delta MSI	P70-N03
*KIT	18.5V	3.80A	EIAJ-03	HP Compaq	P70-N04
*KIT	19V	2.64A	EIAJ-03	Asus	P70-N04
*KIT	19V	1.58A	EIAJ-02	HP	P70-N05
*KIT	16V	4.00A	6.0/4.4	Panasonic Fujitsu Sony	P70-N06
*KIT	19V	3.42A	5.5/2.5	Benq Dell Gateway HP Compaq	P70-N07
*KIT	19V	3.42A	5.5/2.5	Acer Delta IBM NEC Sony etc.	P70-N07
*KIT	12V	4.00A	5.5/2.5	LCD Acer Benq	P70-N08
*KIT	14V	4.00A	6.0/4.4	Dell Samsung	P70-N10
*KIT	15V	4.00A	6.3/3.0	NEC Toshiba	P70-N13

#### OPTIONAL EXTRA PLUGS AVAILABLE TO SUIT LS-PAB70

* Included	Volts	Current	Plug	Brand	Code
Optional	19.5V	3.16A	6.0/4.4mm	Sony Fujitsu	P70-N09
Optional	19V	3.42A	5.5/1.7mm	Acer Liteon	P70-N11
Optional	12V	3.50A	EIAJ-02	Samsung Kodak	P70-N12
Optional	16V	3.50A	5.5/2.5mm	IBM Acer	P70-N14
Optional	22V	2.04A	3.5/1.35mm	Sharp	P70-N16
Optional	19V	3.16A	5x3mm	Asus	P70-N19

**P70  
PLUGS**



**PLUGS  
TO SUIT  
LS-PAB70  
ONLY**

P70 Series of plugs are specific to LS-PAB70 only.





# Power & Lighting

## BC10 INTELLIGENT POWER ADAPTOR SERIES

### DEDICATED LAPTOP SOLUTION

An intelligent power adaptor with advanced microcomputer CMOS chip voltage control. EMC & EMI in-burst current safety. Simply select the correct plug to suit the specific type of laptop. This power-pack automatically determines the correct voltage required and regulates constant supply for powering and charging. **Intelligent power for smart people!**

### A NICE & SIMPLE SOLUTION:

Select the correct plug to suit your model of laptop and plug it in. The charger automatically regulates the correct voltage.



## BC10 INTELLIGENT POWER ADAPTOR 90W

### ULTRA SLIM POWER SOLUTION

- Low profile version with inline LCD display of voltage output. Voltage selected depends on plug used. Includes USB power socket.
- Regulated Laptop mains supply.
- **KIT WITH TEN BC10 PLUGS**
- Includes Plugs A-H, J, K
- Suits most popular laptops.
- More available. See below...
- 30x60x135mm

Power	Code
90W	PAB90AL



BC10 Plug ID is listed on the next page. Check to see if your Laptop is accommodated. Additional BC10 plugs are also listed.



## BC10 INTELLIGENT POWER ADAPTOR 90W

### DEDICATED LAPTOP SOLUTION

- Switchmode power supply with LCD display of voltage output. Voltage selected depends on plug used. Includes USB power socket.
- Regulated Laptop mains supply.
- **KIT WITH TEN PLUGS**
- Includes Plugs A-H, J, K
- Suits most popular laptops.
- More available. See below...
- 25x60x125mm.

Power	Code
90W	PAB90-BC10



BC10 Plug ID is listed on the next page. Check to see if your Laptop is accommodated. Additional BC10 plugs are also listed.







## BC10 INTELLIGENT POWER ADAPTOR 120W

- **120W MULTI-VOLTAGE**
- High efficiency switch-mode with low stand-by power drain LCD display of voltage output. Voltage selected depends on plug Max. Current relative to voltage.
- **KIT WITH TEN PLUGS**
- Includes Plugs A-H, J, K Suits most popular laptops. More available. See below...

Power	Code
120W	PAB120AA



BC10 Plug ID is listed on the next page.  
Check to see if your Laptop is accommodated.  
Additional BC10 plugs are also listed.

## BC10 PLUGS - STRAIGHT

Choose the correct plug to suit your specific brand of laptop. Most popular types are already supplied with the PAB90-BC10 kit. The type of plug determines the output voltage as per the laptop it is designed to suit. Specifications of each plug are listed below:

Volts	Current	Plug	Brand	Code
19V, 20V	4.74A	5.5 / 1.7mm	Toshiba	BC10-I
22V	2.04A	3.5/1.35mm	Sharp	BC10-L
20V	4.50A	7.9/ 5.5mm	IBM/Lenovo	BC10-M
18.5V	4.90A	7.4/5.0mm	HP/Compaq	BC10-Q
12V	5.00A	5.5 /2.5mm	LCD	BC10-R
14V	5.00A	5.5/2.5mm	Samsung	BC10-S
19V	4.47A	*4.8 /1.7mm		BC10-T
9.5V	4.00A	5.5/ 1.7mm	ASUS	BC10-U

Ten other plugs, the more popular types, already supplied.  
Right angle versions available below.

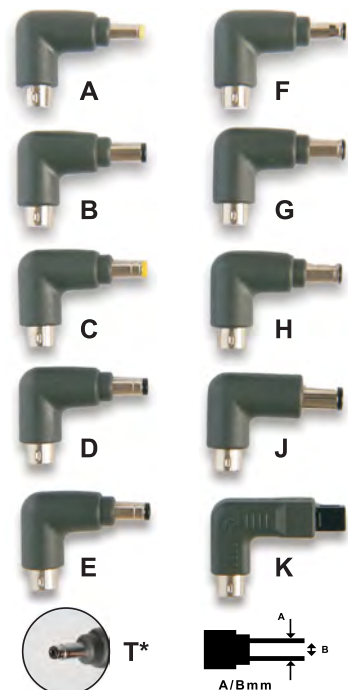


PLUGS  
TO SUIT  
PAB120  
PAB90

## BC10 PLUGS - RIGHT ANGLE

Right angle plugs to suit PAB90-BC10, PAB90AL, PAB120AA and LS-CR90AA (see next page).  
Please choose the correct plug to suit your specific brand of laptop. \*Are supplied in the above kits.

Volts	Current	Plug	Brand	Code
18.5V, 19V	4.90A, 4.75A	EIAJ-03	*HP/Compaq, Delta Asus NEC	BC10-RA
15V	6.00A	6.3/3.0mm	*Toshiba NEC	BC10-RB
19V	4.75A	5.5/2.1mm	*Acer Liteon NEC	BC10-RC
19V	4.75A	5.5/2.5mm	*IBM Dell Delta HP/Compaq, Asus Liteon NEC Gateway	BC10-RD
16V	5.00A	5.5/2.5mm	*IBM	BC10-RE
19V	4.75A	5.5/3.0mm	*Samsung	BC10-RF
16V	5.00A	6.0/4.3mm	*Sony Fujitsu	BC10-RG
19V, 19.5V	4.75A, 4.50A	6.0/4.3mm	*Fujitsu, Sony	BC10-RH
19V, 20V	4.75A, 3.50A	5.5/1.7mm	Toshiba Acer, Delta	BC10-RI
19.5V	4.62A	7.4/5.0mm	*Dell [Round]	BC10-RJ
20V	4.50A	7.3mm <sup>2</sup>	*Dell [Square 3-Pin]	BC10-RK
22V	2.04A	3.5/1.35mm	Sharp	BC10-RL
20V	4.50A	7.9/5.5mm	IBM/Lenovo	BC10-RM
24V	2.70A	7.7/2.5mm	Apple [LS-CR90AA Only]	BC10-RN
24V	2.70A	9.5/3.5mm	Apple [LS-CR90AA Only]	BC10-RO
18.5V	4.90A	7.4/5.0mm	HP/Compaq	BC10-RQ
12V	5.00A	5.5/2.5mm	General Purpose 12V	BC10-RR
14V	5.00A	5.5/2.5mm	Samsung	BC10-RS
19V	4.74A	*4.8/1.7mm	HP/Compaq [*Bullet Head]	BC10-RT
9.5V	5.00A	EIAJ-03	Asus EEE PC	BC10-RU
12V	3.00A	5.5/1.7mm	Asus	BC10-RV



NOTE: \* A to H, J & K types are already supplied with the chargers. The entire range of plugs are now all available separately in right-angle. These plugs will all suit PAB90-BC10, PAB90AL, PAB120AA, and LS-CR90AA power supplies. Select the specific plug to suit your specific laptop, then plug and go!





# Power & Lighting

## □ DC Plugs

### "R" LOCK-ON DC PLUGS

#### "NEW" STYLE 2-PIN "R"

"R" Range of plugs suit all Switch-Mode PowerPack SMP range and Some standard DCA packs



#### "R" PLUG DC

Lock-On Type Suits SMP Packs

Plug	A	B	C	D	Code
DC 0.7mm	0.7	2.35	9.5	-	FSR08
DC 1.0mm	1.0	3.2	9.0	-	FSR09
DC 1.3mm	1.3	3.5	12.0	-	FSR05
DC 1.5mm	1.5	5.5	12.0	-	FSR11
DC 2.1mm	2.1	5.5	9.5	-	FSR01
DC 2.1mm	2.1	5.5	12.0	-	FSR02
DC 2.5mm	2.5	5.5	9.5	-	FSR03
DC 2.5mm	2.5	5.5	12.0	-	FSR04
DC 3.1mm	3.1	6.3	9.0	-	FSR10



### "R" LOCK-ON DC PLUGS

#### "NEW" STYLE 2-PIN "R"

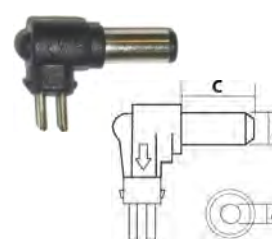
"R" Range of plugs suit all Switch-Mode PowerPack SMP range and Some standard DCA packs



#### "R" PLUG DC R/A

Lock-On Right Angle Suits SMP Packs

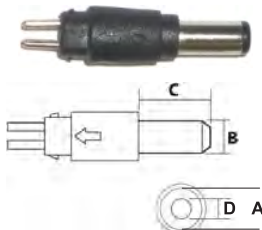
Plug	A	B	C	D	Code
DC 0.7mm	0.7	2.35	9.5	-	FLR08
DC 1.0mm	1.0	3.2	9.0	-	FLR09
DC 1.3mm	1.3	3.5	12.0	-	FLR05
DC 1.5mm	1.5	5.5	12.0	-	FLR11
DC 2.1mm	2.1	5.5	9.5	-	FLR01
DC 2.1mm	2.1	5.5	12.0	-	FLR02
DC 2.5mm	2.5	5.5	9.5	-	FLR03
DC 2.5mm	2.5	5.5	12.0	-	FLR04
DC 3.1mm	3.1	6.3	9.0	-	FLR10



### "R" PLUG CENTRE PIN

Lock-On Type Suits SMP Packs

Plug	A	B	C	D	Code
Centre Pin 1.0mm	3.4	5.5	9.5	1.0	FSR12
Centre Pin 1.4mm	4.4	6.5	9.5	1.4	FSR13



### "R" PLUG CENTRE PIN R/A

Lock-On Right Angle Suits SMP Packs

Plug	A	B	C	D	Code
Centre Pin 1.0mm	3.4	5.5	9.5	1.0	FLR12
Centre Pin 1.4mm	4.4	6.5	9.5	1.4	FLR13



### "R" PLUG EIAJ

Lock-On Type Suits SMP Packs

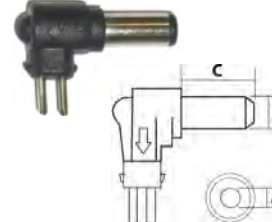
OEM	A	B	C	D	Code
EIAJ-01	0.7	2.35	9.5	-	FSR08
EIAJ-02	1.7	4.0	10.0	-	FSR06
EIAJ-03	1.7	4.7	10.0	-	FSR07
EIAJ-04	3.4	5.5	9.5	1.0	FSR12
EIAJ-05	4.4	6.5	9.5	1.4	FSR13



### "R" PLUG EIAJ R/A

Lock-On Right Angle Suits SMP Packs

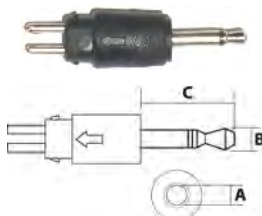
OEM	A	B	C	D	Code
EIAJ-01	0.7	2.35	9.5	-	FLR08
EIAJ-02	1.7	4.0	10.0	-	FLR06
EIAJ-03	1.7	4.7	10.0	-	FLR07
EIAJ-04	3.4	5.5	9.5	1.0	FLR12
EIAJ-05	4.4	6.5	9.5	1.4	FLR13



### "R" PLUG PHONO

Lock-On Type Suits SMP Packs

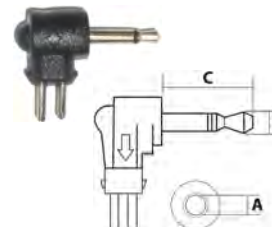
Plug	A	B	C	D	Code
TRS 2.5mm	2.5	2.3	12	-	MSR01
TRS 3.5mm	3.5	3.0	14	-	MSR02



### "R" PLUG PHONO R/A

Lock-On Right Angle Suits SMP Packs

Plug	A	B	C	D	Code
TRS 2.5mm	2.5	2.3	12	-	MLR01
TRS 3.5mm	3.5	3.0	14	-	MLR02



### "R" SOCKET & LEAD 2A

1.8M Prepared Lead

"R" Socket and Grommet.

Code  
DCL-R2A



### "R" SOCKET & LEAD 5A

"R" Socket and Grommet

1.8M Prepared Lead

Code  
DCL-R5A







## 1.3mm DC PLUG WITH LEAD

### PRE-MADE 1.8M LEAD

Type	Barrel	Plug	Code
Straight	9mm	1.3mm	DCL1309ST
R/Angle	9mm	1.3mm	DCL1309RA
Straight	12mm	1.3mm	DCL1312ST
R/Angle	12mm	1.3mm	DCL1312RA



## 2.1mm DC EXTENSION LEAD

### 2.1mm MALE TO FEMALE DC EXTENSION LEAD

Length	Code
1M	DCL21121
3M	DCL21123



## 2.1mm DC SPLITTERS

### SOCKET TO MULTIPLE PLUGS

Length 30cm each

Plug	Code
2	ADC-221
4	ADC-421
5	ADC-521
8	ADC-821



## DC PLUG SCREW

### 2.1mm Positive Tip

Plug	Code
2.1mm	P422



## DC SOCKET WITH LEAD

10cm Lead

Plug	Code
2.1mm	DCL2119ST



## 2.1mm DC PLUG SCREW

Removable 2 pin connector

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCP21RA



## 2.1mm DC SOCKET SCREW

Screw connector back

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCJ21



## 2.1mm DC PLUG SCREW

Screw connector back

Size	Plug	Code
2.1mm	Pos. Tip	AD-DCP21



## 2.1mm DC PLUG PIGTAIL

30cm lead to bare end

Size	Plug	Code
2.1mm	Pos. Tip	ADC-P21



## 2.1mm DC SOCKET PIGTAIL

30cm lead to bare end

Size	Plug	Code
2.1mm	Pos. Tip	ADC-J21



## 2.1mm DC PLUG WITH LEAD

### PRE-MADE 1.8M LEAD

Type	Barrel	Plug	Code
Straight	9mm	2.1mm	DCL2109ST
Straight	12mm	2.1mm	DCL2112ST
R/Angle	9mm	2.1mm	DCL2109RA
R/Angle	12mm	2.1mm	DCL2112RA



## DC ADAPTOR USB-2.1mm

### 2.1mm FEMALE TO USB 'A' FEMALE

DC ADAPTOR POSITIVE TIP

Length	Code
150mm	DCL21USB



## DC ADAPTOR 2.1mm-2.5mm

### 2.1mm FEMALE TO 2.5mm MALE

Code
DCL2521



### 2.1mm MALE TO 2.5mm FEMALE

Code
ADC2125



## DC SPLITTER LEADS 2.5mm

### SOCKET TO MULTIPLE PLUGS

Length 30cm each

Plug	Code
2	ADC-225
4	ADC-425
5	ADC-525
8	ADC-825



## DC LEAD 2.5mm

### PLUG TO Plug

Length	Code
30cm	KLE01



## 2.5mm DC PLUG SCREW

Removable 2 pin connector

Size	Plug	Code
2.5mm	Pos. Tip	AD-DCP25RA



## 2.5mm DC SOCKET SCREW

Screw connector back

Size	Plug	Code
2.5mm	Pos. Tip	AD-DCJ25



## 2.5mm DC PLUG SCREW

Screw connector back

Size	Plug	Code
2.5mm	Pos. Tip	AD-DCP25



## 2.5mm DC PLUG PIGTAIL

30cm lead to bare end

Size	Plug	Code
2.5mm	Pos. Tip	ADC-P25



## 2.5mm DC SOCKET PIGTAIL

30cm lead to bare end

Size	Plug	Code
2.5mm	Pos. Tip	ADC-J25



## 2.5mm DC PLUG WITH LEAD

### PRE-MADE 1.8M LEAD

Type	Barrel	Plug	Code
Straight	9mm	2.5mm	DCL2509ST
Straight	12mm	2.5mm	DCL2512ST
R/Angle	9mm	2.5mm	DCA2509RA
R/Angle	12mm	2.5mm	DCL2512RA





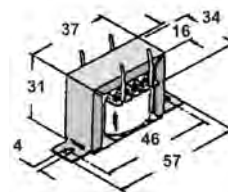


# Power & Lighting

## Power Transformers

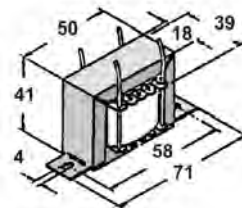
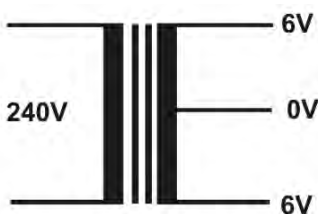
### 6V 250mA AC POWER TRANSFORMER

Volts	Current	Code
6 VOLTS	250mA	PT6-250



### 12V 500mA AC POWER TRANSFORMER

Volts	Current	Code
6V-0V-6V	500mA	PT12-500

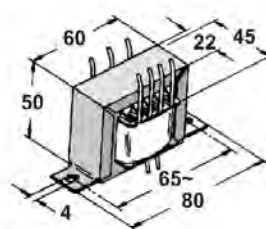
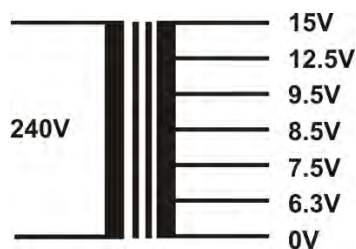


### 15W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

6.3/7.5/8.5/9.5/12.6/15V

Volts	Current	Code
6.3V-7.5V-8.5V-9.5V-12.5V-15V	1 AMP	PT2155

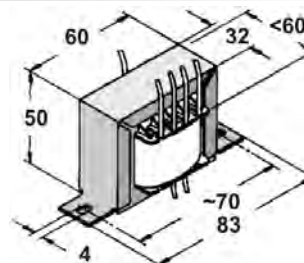


### 30W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

6/9/12/15

Volts	Current	Code
6V-9V-12V-15V	2 AMP	PT2156

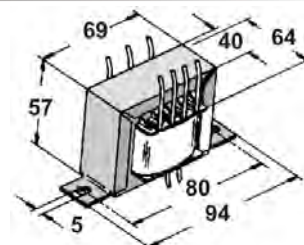


### 30W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

0/15/17.5/20/24/27.5/30

Volts	Current	Code
0V-15V-17.5V-20V-24V-27.5V-30V	1 AMP	PT6672

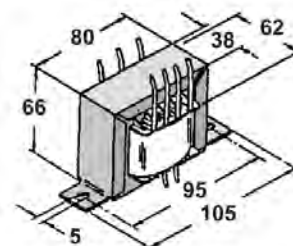


### 50W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

12/15/18V

Volts	Current	Code
12V-15V-18V	2.5A	PT1825



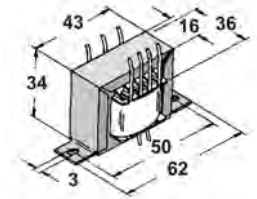
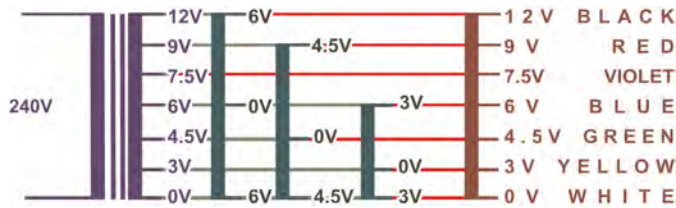




## 4W AC MULTI-TAP TRANSFORMER UNIVERSAL

**300mA 12Vac Taps**  
3/4.5/6/7.5/9/12 Volts or  
6/9/12 Volt Centre Tapped  
43x36x34mm 4 Watt transformer

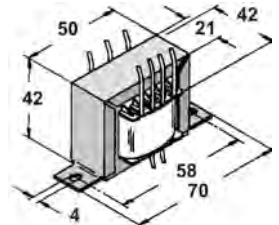
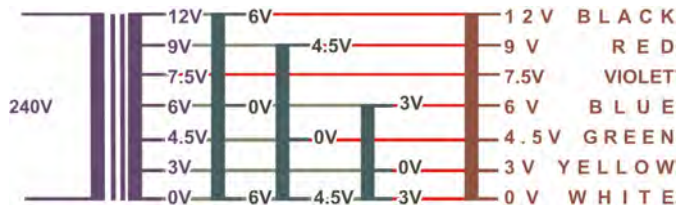
Current Code  
300mA PT1312



## 6W AC MULTI-TAP TRANSFORMER UNIVERSAL

**500mA 12Vac Taps**  
3/4.5/6/7.5/9/12 Volts or  
6/9/12 Volt Centre Tapped  
50x42x42mm 6 Watt transformer

Current Code  
500mA PT1512

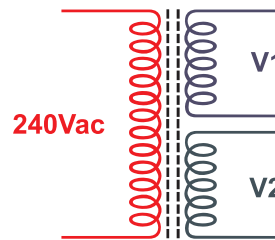


## TOROIDAL POWER TRANSFORMERS

### COMPACT EFFICIENT LOW-NOISE 20W - 160W - 300W

Transformers are wound with heavy gauge copper and are wrapped with polyester tape. Meeting all major industry standards. Includes mounting kit with plate, pads, nut, and bolt. Wire in series for centre-tap V+V output or double the current by wiring in parallel.

Volts	Series	Parallel	Watt	Size	Code
9+9	1.11A	2.22A	20W	30x71mmØ	TOR-2082
12+12	0.83A	1.66A	20W	30x71mmØ	TOR-2084
15+15	0.67A	1.33A	20W	30x71mmØ	TOR-2086
12+12	6.66A	13.3A	160W	40x110mmØ	TOR-2112
18+18	4.44A	8.88A	160W	40x110mmØ	TOR-2113
25+25	3.20A	6.40A	160W	40x110mmØ	TOR-2114
12+12	12.5A	25.0A	300W	55x125mmØ	TOR-2130
18+18	8.33A	16.6A	300W	55x125mmØ	TOR-2132
40+40	3.75A	7.50A	300W	55x125mmØ	TOR-2140
50+50	3.00A	6.00A	300W	55x125mmØ	TOR-2144

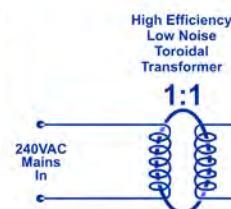


## 240Vac To 240Vac ISOLATION TRANSFORMER

### SEE TOOL SECTION FOR MORE TEST EQUIPMENT

This item is a technicians  
Repair/Service Instrument  
Protects you from direct  
contact with the mains.

Type	Code
1A	TDB240-240
2A	TDB240-500



## 240Vac VARIAC - VARIABLE AC TRANSFORMER

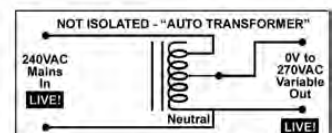
### SEE TOOL SECTION FOR MORE TEST EQUIPMENT

Technicians Repair/Service Instrument. 240Vac Mains Plug  
Input with variable 0Vac to 260Vac output. Mechanically  
adjustable by an Auto-Transformer (No isolation).

Code  
MP3080



FOR TECHNICIANS  
**HIGH VOLTAGE**  
TEST PLATFORM FOR REPAIRING



## USB INTELLIGENT CHARGE MODULE DIY

### 240VAC IN SCREW TERMINALS

- Dual port smart USB charger
- Output: 5A total
- Universal AC Input: 120-250V
- Screw terminal input
- Has SAA approval
- For professional installers.
- Size: 75x52x20mm

Code  
NXT4405







# Power & Lighting

## AC Power Test Equipment

### PORTABLE APPLIANCE TESTER - KYORITSU

As part of the OHS laws in Australia (that may vary between states) it is required to regularly check power cables and appliances to ensure that the equipment is electrically safe. The Kyoritsu 6201A is hand-held portable appliance tester that ensures the Safety of Class I and Class II appliances and power leads for Leakage Current. A large LCD displays the mains voltage, plus other functions. 4 LED indicators and buzzer sound identifies if each test has passed or failed. Fuse protected. Includes IEC mains cord, test lead with safety alligator clip & probe attachments & extension lead test cable. Pass / Fail Stickers Not Included.



Tags and optional log book available.

#### Code

AT6201

#### TEST TAGS

Description	Code
Aegis Pass Tags	CZ5072
Generic Pass	PASS-TAGS
Coloured Pass	TAG96
Aegis Fail Tags	CZ5073



### PORTABLE APPLIANCE TESTER KIT - AEGIS

#### Class 1 & 2 Approved - AS/NZS 3760:2003

Earth bond and insulation tester. Australian designed and manufactured for testing electrical appliances to power electrical safety Standards of AS/NZS 3760. Single button testing. Compact, portable, drop & Weather Proof IP67. Two in one kit includes famous Patrol battery powered portable appliance tester features with an earth leakage tester. Includes Leads, etc. Mains or battery operated. 235x190x135mm. 6x "AA" inc.



#### Code

CZ5001

#### AEGIS TEST TAGS

Description	Code
Aegis Pass Tags	CZ5072
Aegis Fail Tags	CZ5073



### PORTABLE APPLIANCE TESTER - AEGIS

#### Class 1 & 2 Approved - AS/NZS 3760

Earth bond and insulation tester. Australian designed and manufactured for testing electrical appliances to power electrical safety Standards of AS/NZS 3760. Compact, portable, drop & Weather Proof. Includes Leads, etc. Battery operated portable. 235x190x110mm. 6x "AA" inc.

#### Code

CZ5000

#### OPTIONAL LOG BOOK

#### Code

CZ5074



- Compact with all Leads and accessories, including a set of Test Tags, housed in the instrument case.

More Test Tags Available

Extra Tags and optional log book available

### RCD & INSULATION TESTER UNI-T

#### FULL FUNCTION OF TESTS FOR PROFESSIONAL ELECTRICIANS

The CZ20073 is a newly designed digital multi-functional testing meter using large-scale integrated analog/digital circuit and Micro-processing chip. It is highly accurate, reliable, and user-friendly. It mainly measures RCD parameters including Test current and Trip Time. Meter also includes, low-resistance Earth continuity, insulation resistance measurement (250/500/1000V), 440V DC & AC Voltages, etc.

The versatile functionality, high accurate features and ease of use make it widely used and an ideal tool to keep around for maintenance, inspection and testing RCD, etc. The CZ20073 complies with the CAT III 600V over voltage standard. The package includes test lead, battery, alligator clips and carrying bag. 160x100x71mm

#### Code

CZ20073



Tags and optional log book available





## RCD TESTER UNI-T

RCDs (Residual Current Devices) are designed and specified to protect people and equipment from the danger of electrical faults. Due to their inherent 'safety' nature, RCDs need to be tested on a regular basis to ensure their correct operation. The CZ20053 is a fully featured digital RCD tester that provides electricians with all the features required to test and ensure correct functionality of RCDs. Multiple trip current ranges, 0° & 180° phase testing, and high accuracy ensure testing is complete. The tests performed are all that is required for determining compliance to AS/NZS3760:2010 for PAT testing requirements. Includes Test Lead & Carry Case. 160x100x71mm

Code  
CZ20053



## DIGITAL INSULATION TESTER

### HIGH VOLTAGE TEST FOR CABLE LEAKAGE

This durable and easy to use digital insulation tester is made for everyday use for professional electricians. The tester is rugged and compact, and is made to withstand the harsh environments encountered by electricians on a daily basis on the worksite. This tester can be used on all kinds of electronic equipment and insulation materials.

- Output Voltage Measurement ranged from 1 - 750VAC
- Resistance measurement ranged from 0.1 - 1999MΩ.
- The output testing voltage can be selected in 250V/500V/1000V for differential measurement.
- Comes with test leads, carry case and batteries.
- Complies with IEC61010: Cat II 1000V, Cat III 600V.

Code  
CZ20058



## MULTIFUNCTION TESTER

### NOT JUST A MULTIMETER - FULL FUNCTION OF TESTS FOR ELECTRICIANS

All round multifunction electrical tester for professional electricians and installers. Packed with features with all the main functionalities you need for any electrical installation. This unit can be used for the following tests:

- Insulation Resistance Testing
- Continuity Testing
- Line/Loop Testing
- Non-trip Loop Testing
- RCD Testing
- Phase Rotation Testing
- Voltage Testing

Code  
CZ20500



MULTIMETERS  
SEE SECTION 07  
TOOLS & TEST



## VOLTAGE & CONTINUITY TESTER

### WITH PHASE ROTATION

This handheld electrical tester allows the user to test the voltage, continuity, polarity and the phase rotation of electrical equipment. With IP65 water and dust protection in a rugged design, it is suitable for use in harsh conditions such as at a worksite. These testers have been designed with the knowledge and experience of a test equipment company that has provided tools for the electrical trades for many years.

- Voltage: 12 - 690 V AC/DC
- Continuity: Audible & visual indication
- Phase Rotation: 3 phase detection
- Polarity: Positive & negative
- Rugged: IP65 preventing water and dust ingress
- Torch: Inbuilt for working in dark locations
- IEC61010: Cat IV 600V
- GS38: Fully compliant

Code  
CZ20060







# Power & Lighting

## AC VOLTAGE DETECTOR

An Unique & Versatile Adjustable Non - Contact AC Voltage Detector. Which combines latest Digital Technology to detect AC Voltage from as low as 5 V AC. Sound and light feedback. Non-Contact AC Voltage Test from 5-1,000 V AC range (Adjustable Sensitive). Continuity check to identify 'Good Or Bad' like Bulb, Fuse etc. Power full long lasting white LED light flashing torch. Battery- 1.5V x 4 pcs. (LR44, AG13, L1154 etc.) [included]

Code  
MS47NS3



## STUD-FINDER

### BAR-GRAPH DISPLAY & BEEPER

Locates wooden studs, joists, electrical wires and metal pipes in plasterboard or plywood walls. 20mm deep

REQUIRES 9V BATTERY

Code  
SF10285



## MULTI VOLTAGE TESTER

### CONTACT/NON-CONTACT TYPE TESTER

Easy, Safe, Quick and Accurate. Non-contact from 70 V AC to 600 V AC. Contact test from 70 V AC to 250 V AC. DC voltage test: 0-250 V DC. Polarity test: 1.5 V DC to 36 V DC. Continuity check: 0 - 80 M ohms. Checks operating condition of ionizer. Detects microwave leakage:  $\geq 5$  mw/cm<sup>2</sup>. Safe Test - Water resistant. LR41 batteries included.

Code  
MS18



## STUD FINDER (5 IN 1)

### MULTI-FUNCTION EASY READ TYPE

Wooden Stud Detection up to 15mm thickness of gyprock. Buzzer sounds with red LED blinks slow, Fast or steady. Detect  $\Phi 20$  mm metal pipe depth 30mm. AC Voltage depth 50mm single sheath wire. Bonus Continuity check for fuse, bulbs, etc. and also a Built-in Polarity check (3V-24V DC). Auto power off - Low battery warning - 1x AAA Battery [not included].

Code  
MS-68-10



## NEON TEST SCREWDRIVER

### INSULATED SHAFT BLADE

Steel Blade Tip 5mm Mini Screw driver 145mm with a clear handle and inbuilt neon lamp that will indicate the presence of AC voltages 125-250Vac Ideal for tag strips, etc. as it will indicate if the screw is live! Safety 1st.

Code  
HT500



## DIGITAL STUD FINDER (3 IN 1)

### DISTANCE READOUT & BARGRAPH

Locate studs, find metal objects and detect AC voltage. Displays Large 2 digits numeric 99 counts for accurate reading of test result and 9 bar display indicate high sensitively sensing level. Detection of - Stud up to 38mm thick Gyprock with 2x4 inches stud, ACV minimum 30mm and Metal minimum 50 mm when pipe is  $\Phi 20$  mm. Measuring accuracy -  $\pm 5$ mm Audible multitone. 2x AAA Batteries required.

Code  
MS-68-11



## ELECTRICAL INSULATED 7PC SCREWDRIVER SET

### DVE IEC60900:2004 PREMIUM GRADE PROFESSIONAL SET

High Quality 1000V insulated Phillips / Blade screw driver set Bright CAT-III Red in colour. Insulated shaft protection Ideal for electrical applications. Large easy-grip comfortable rubber double molded handle. Packaged in a hand plastic tool casing for portable storage. Phillips #0 #2 #3

Blade 3.5 4.0 5.5 6.5mm

Code  
HT78017



## INSULATED SCREWDRIVER KIT 1,000 V

Contains 4 blade type & 3 Phillips type drivers. 1000V fully insulated. Various shaft lengths and tip sizes. Chrome-vanadium steel for extended wear. Also contains a neon 100V - 500V AC tester.

Code  
HT550







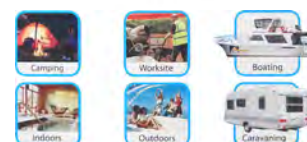
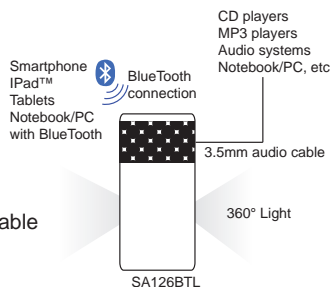
## □ Lighting

## □ Torches

### PORTABLE BLUETOOTH SPEAKER STUDIO ACOUSTICS

The Studio Acoustics portable Bluetooth speaker is a compact Bluetooth speaker that has a built-in rechargeable Li-ion battery, a rubber handle for carrying around and handy and powerful LED lamp. It produces excellent quality sound for its small size. The battery can power the speaker for up to 4 hours of quality audio, and 6 hours of LED light. The speaker can be connected with a audio source through either a 3.5mm audio cable through the build in line input or through a Bluetooth connection, which is very convenient for many mobile devices such as smart phones, iPod®, MP3 players, etc. Mains charger, a micro USB charging cable and a 3.5mm Male to male line cable are included.

- Compact and lightweight, only 640g.
- Built in rechargeable Li-ion battery
- Up to 4 hours of quality audio
- Up to 6 hours of powerful LED light
- LED night light with dimmer function
- Mobile handsfree capability
- IP4X Water resistance level
- Includes a micro USB SAA adaptor + charging cable and a 3.5mm line audio cable
- Size: 190x95x95mm



Code  
SA126BTL

### FLAMELESS LED CANDLE REALISTIC MOVING WICK

Flameless LED candle is suitable for Christmas and other occasions. Power by 2x AA battery, it is safe to use, no risk of fire as there is no actual flame. These wonderful candles won't leave any wax drippings so you don't need to worry about watching the candle all the time to avoid fire or hard to remove wax stains. With power efficient LED technology, you won't have to worry about changing the batteries too often.

Handmade with high quality wax outer.  
Shape: Pillar candle  
Size: 50mm diameter x 150mm height  
Colour: White or Red  
Flame Colour: Yellow  
Batteries: 2x AA (not included)

Colour	Code
White	FLC100WH
Red	FLC200RD



### FLASHLIGHT

#### INCANDESCENT

Economical torch.  
Classic Double "D" type.  
Conventional globe.  
Durable plastic.  
Includes bonus batteries.  
2x "D" Cells.

Code  
FL2DB



### FLASHLIGHT MINI

#### INCANDESCENT

Economical torch  
Conventional globe  
Durable plastic  
Black/Red/Yellow/Blue  
Random colour supplied.  
Includes 2x "AA" Cells.

Code  
FL2AA







# Power & Lighting

## BIKE HEADLIGHT 5 LED

### HANDLE-BAR MOUNT

Push switch On/Off or flashing modes Adjustable ring grip suits most bicycles Handle bar mount Push release base Shock/Water resistant Use as a hand torch 100x35mm plus base 4x AAA Batteries (reg.)

Code  
GT088V



## BIKE HEADLIGHT

### KRYPTON GLOBE

3V Krypton super light Double the brightness Deluxe cyclist design Uses 2x "C" cells for extended battery life Classic headlight style Convenient I/O position Mounting-clip type for secure permanent fixture Bonus white reflector

Code  
BHK207



## ALUMINIUM SUPER COMPACT

### RECHARGEABLE 3 LED

Clever design where the torch barrel fits direct into a cars accessories socket for charging. Smart, convenient, stylish. Machined aluminium.

3x Ultra-bright LEDs Compact 65x27mmØ. Colour supplied will be random. Black, Blue, Red or Grey.

Code  
ALT1R1



## ALUMINIUM 9 LED TORCH

Machined aluminium. Colour anodised. Random colour supplied. Rubber push button. 3xAAA Batteries Wrist strap

Size Code  
95x28mmØ .ALT902



## ALUMINIUM 8 LED TORCH

### COMPACT

Long life metal cased Polished machine finish 24,000 Lux super bright Battery booster circuit Impact resistant casing. Water resistant.

Size Type Code  
90x22mmØ 1xAA FTA503



## TOMCAT 3W LED TORCH

### ADJUSTABLE FOCUS

This pocket sized 3 WATT LED Torch provides you with excellent viewing distance, and it is suitable for both indoor and outdoor activities. Adjustable lens allows you to change the focus to suit different size areas.

Ultra durable metal build torch. Super bright 3Watt LED. LED life 100,000hrs. Powered by 3 x AAA batteries (included). Focusing Lens to concentrate on a small or large area. Flashing mode.

Size Code  
135x35Ø mm XT019F



Supplied randomly in black or gun-metal. Colour supplied varies depending on stock.

## 3W ALUMINIUM TORCH

### ULTRA BRIGHT FLASH LIGHT

Compact handy 3W LED torch with water resistant aluminium body. It features over 120 lumens 3W focusable lens with 3 adjustable levels of brightness plus blinking/SOS function. 110x38mmØ Powered by 3x AAA batteries (not included).

Code  
HT3W



## HAND-CRANK TORCH

### 3 LED POCKET

Mini-dynamo batteryless Give it a windup and capacity stores some time for illumination. Black rubberised finish easy grip for winding 3 Bright white LEDs Handle folds away Carry wrist strap

Code  
ALCT3



## POS DISPLAY

### 7 LED TURNTABLE

Beautifully enhances any item on display or for enjoying home crystal. Multi-colour LED cycle Mirrored rotating base 3x AA Batteries or Optional power-pack 55x110mmØ

Code  
XLD8687



### POWER PACK

Code  
SMP1000-5N







## FRONTA LED MINI WEATHER-PROOF TORCH

### HALF-SIZE WITH 6 LEDS

Twist the cap to turn on and off.  
Water proof to 30M Battery 2x "AA"  
Size 105x40mmØ

Code  
T303

\*Colour supplied varies  
depending on stock



## FRONTA LED MINI WEATHER-PROOF TORCH

### MAGNETIC SWITCH

Long life switch Double  
O-Ring seals Water proof to  
50M Includes wrist strap High  
grade Polycarbonate Impact  
resistant plastic Battery 2x  
"AA" Size 105x40mmØ

6 LEDS

Code  
TMG303



## 1W LED MINI TORCH WITH FLASH FUNCTION

### WEATHER-PROOF WITH MAGNETIC SWITCH

Single ultra-bright 1W LED. Magnetic  
switch cycles through different  
illumination modes. Two brightness  
and two flashing modes for distress.  
Water proof to 30M Fronta tough.  
Battery 2x "AA" Size 105x40mmØ

Case	Code
Yellow	FT2-1WYL
Black	FT2-1WBK



## FRONTA 1W DIVERS TORCH

### LUXEN WATER BEAM LED 1 WATT

1 Watt 30 Lumens Wide bright beam  
Light tone best for under water  
Magnetic switch Water proof 50M  
Batt. 4x "AA"  
Size 180x45mmØ

Code  
TMG-1W

### ARM BAND

Code  
SAB01

### REPLACEMENT LED

Power	Code
1W	LUX1W
3W	LUX3W



## 3W LED WORK LAMP & TORCH - CAMELION

Handy universal design. High power 3W  
LED work lamp and torch. Switchable  
between the 3W high brightness LED  
work lamp at the top or use as a  
torch with the 4x high brightness  
LED located at the front. Rugged  
design and construction with a  
swivel and foldable hang hook.  
3x AAA batteries is supplied  
with the product.

Code  
CAT7280N



## 3W LED WORK LAMP - CAMELION

The 3W Camelion LED energy  
saving work lamps can provide  
powerful lighting at 200lm. It  
has a strong magnet Button and  
360 foldable Swivel Hook which  
allows for hands free work in  
many places, its rugged ABS  
casing design is not only durable  
but also comfortable to use.  
3x AA batteries are included.

Code  
CAT5240N



## WORK LIGHT

### 12V FLOURO TUBE 13W

Bright flouro lamp with hook for  
under bonnet, camp sites, etc.  
12Vdc. Includes 3.0M cable to  
accessories plug. Special folded  
double lamp for extra bright.  
370mm Long.

Code  
TT1104



### RECHARGEABLE LED

60x Super Bright LEDs  
240Vac/12Vdc chargers

Code  
CAT660WL

## 12V WARNING LAMP

### AMBER EMERGENCY STROBE

Excellent solution for safety and  
emergencies. 12Vdc accessories  
plug Curly cord 1M to 2M long.  
Felt padded magnetic base  
bonnet or hood placement  
Rotating globe mirror Spare  
globe included 120mm Base  
145mm High Orange (Amber).

Code  
TT1100







# Power & Lighting

## HEAD TORCH 3W

This multi-function head torch with adjustable head band includes a 3 watt white LED and 2 high brightness red LEDs.

- Up to 80 Lumens output
- Requires 3 x AA batteries (not included)
- Dimensions: 60(L) x 45(W) x 35(D)mm
- Light Modes;
- High beam white
- Low beam white
- Continuous red
- Flashing red

Code  
SNHD3



## 3W ALUMINIUM HEAD TORCH

Features a high quality aluminium body finished in black. The integrated focus system allows you to change between a broad spotlight and a sharply focused long-distance beam by sliding the LED lens.

Battery: 3x AAA (not included)  
 Powerful 3 watt LED beam  
 Detached battery pack  
 Luminous flux: 90 Lumen  
 Beam range: 20 m approx.  
 Size: 60 x 55 x 45 mm  
 Swivel head

Code  
HEAD3W



## LED CAP LIGHT

### HAT RIM CLIP

Fits to front rim for hands free illumination. Suit hands-free illumination. Suit hands-free working, Night safety bike-riding. Thin curved style for popular base-ball caps. 5 super-bright LEDs 12,000mcd brightness 2x CR2032 batteries (inc.)

Size 80x50x10mm  
 Code TORCHL79



FITS ANY CAP  
[CAP NOT INCLUDED]



## RECHARGEABLE LED HEADLAMP

### WITH 240V AC CHARGER

This high performance headlamp is suitable for working in darkness where you need both hands to be free. It features the incredibly bright and long life CREE XML-T6 LED, which is capable of producing up to 1000 Lumens of cool white light. The LED lamp can be tilted 100°. Marine aluminium construction with glass lens and rubber push-button IP66. Soft elastic straps are adjustable to fit different users, helmets, etc. The LED lamp has 3 different operation modes including full or half brightness, plus strobe. It has a long beam range up to 300M. Replaceable rechargeable Li-Ion batteries 18650 for 3200mAh 3.7V (each x2). Can last 2hrs (Full) 4hrs (half). The head lamp unit can be recharged in 4hrs with the 500mA 4.2V power pack included.

- Featuring the bright and long life CREE XML-T6 LED
- Producing up to 1000 Lumens of cool white light
- Can be tilted by 100°. IP66.
- Elastic straps are adjustable to fit different users, helmets, etc.
- 3 different operation modes including full or half brightness, plus strobe.
- Beam range up to 300M.
- Included 2x rechargeable Li-Ion batteries 18650 (3200mAh 3.7V).
- Can last about 2hrs (Full) 4hrs (half). The headlamp unit can be recharged in 4hrs with the 500mA 4.2V power pack (included)

Lumens	Colour	Beam length	Code
1000Lm	Cool White	200M-300M	LED471



### 18650 LI-ION RECHARGEABLE BATTERY 2800mAh 3.7V

1x 18650Li-ion rechargeable battery, 3200mAh 3.7V

Code  
BAT471



### OPTIONAL USB RECHARGEABLE LEAD

USB charging cable for the LED471. This allows the user to recharge the LED lamp without taking out the batteries. 0.45M in length.

Length 0.45M  
 Code USB471







## Magnifying Lamps

### MAGNIFYING LAMP COMPACT DESK MOUNT 90mm

#### SMALL FOOT PRINT

Efficient Modern styling Compact desk-top lamp with magnification as used for meticulous detailed work 95mm magnifying lens with a 5 dioptr scratch resistant lens surrounded by a round 12W fluoro' tube or 32x Super bright LEDs for excellent illumination. Adjustable angle mast 400mm max Ball-In-Socket head joint. 240Vac. Weighted base.

#### FLUORESCENT ILLUMINATED

Desk Lamp with 12W Round Tube. Energy efficient electronic ballast.

Code  
IMG2012B



#### LED ILLUMINATED

32x Super Bright LEDs

Code  
IMG2012B-LED



LED

#### REPLACEMENT GLOBES

12W 138mm Globe Only.

Suit Code  
IMG2012 LMP2012

4 Pin 12W



115mm I/D  
138mm O/D



### MAGNIFYING LAMP PRO 150mm

#### AVAILABLE WITH ASSORTED BASES

Professional laboratory grade 5x magnifier and lamp assembly. Heavy duty, hidden springs, easy to manoeuvre assistance. Surrounded by a 28W round fluorescent tube or 56x Super bright LEDs for minimal shadow illumination and close-up vision. Work bench edge clamp base included. Other bases are optional extra including desk stand and trolley. Excellent construction and superior adjustability unit with 3 articulation joints. Adjustable angle mast available in 300mm or 400mm dual arm articulations. Please note that for maximum stability, the optional bases are only suitable for the 300mm Lamp arms.

#### FLUORESCENT ILLUMINATED

Desk Lamp with 28W Round Tube. Energy efficient electronic ballast. Includes bench clamp.

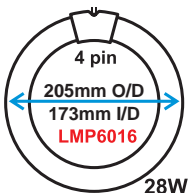
Arm	Code
300mm x2	IMG6016-12
400mm x2	IMG6016-16



#### REPLACEMENT GLOBES

28W 205mm Globe Only.

Suit	Code
IMG6016-12/16	LMP6016



#### LED ILLUMINATED

56x Super Bright LEDs. Includes bench clamp.

Arm	Code
300mm x2	IMG6016LED-12
400mm x2	IMG6016LED-16

LED



#### DESKTOP BASE

Weighted base for a non-scratch desk stand addition to 6016 series mag lamps. Base only. Requires 6016 Series Lamp. Suitable for the shorter 300mm arms only.

Code  
IMG01



#### TROLLEY STAND

Four caster-wheel trolley stand for mobilising the 6016 series. 600mm tall. Base only. Requires 6016 Series Lamp. Suitable for the shorter 300mm arms only.

Code  
IMG04



The optional bases are only suitable for the 12" Lamp arms.





# Power & Lighting

## Fluorescent

### 7W MINI FLUORESCENT LAMPS

#### DOUBLE PACK COMPACT TYPES

Watt	7W	7W
Colour	Warm White	Warm White
Temp.	2700K	2700K
Size	120x38mmØ	120x38mmØ
Base	Bayonet	Edison
QTY	2	2
Code	UR207/2B	UR207/2E



### 15W FLUORESCENT LAMPS

#### TRIPLE FOLD EXTRA BRIGHT

Watt	15W	15W
Colour	Cool White	Cool White
Temp.	4200K	4200K
Size	141x40mmØ	141x40mmØ
Base	Bayonet	Edison
QTY	2	2
Code	UR315/2B	UR315/2E



### 11W FLUORESCENT SPOT

#### SUITS BULB VISIBLE APPLICATIONS

Watt	11W	11W
Colour	Warm White	Warm White
Temp.	2700K	2700K
Size	117x40mmØ	117x40mmØ
Base	Bayonet	Edison
QTY	2	2
Code	URG11/2B	URG11/2E



### 13W FLUORESCENT LAMPS

#### SPIRAL COMPACT

Watt	13W	13W
Colour	Cool White	Cool White
Temp.	4200K	4200K
Size	105x40mmØ	105x40mmØ
Base	Bayonet	Edison
QTY	2	2
Code	URS13/2B	URS13/2E



### 15W FLUORESCENT SPOT

#### DIRECTED BEAM SOLD IN SINGLES

Watt	15W
Colour	Cool White
Temp.	4200K
Size	120x45mmØ
Base	Edison
QTY	1
Code	URSL15E



### 22W FLUORESCENT LAMPS

#### LARGE BASE CURL

Watt	22W
Colour	Cool White
Temp.	4200K
Size	130x60mmØ
Base	Edison
QTY	1
Code	URS22/2E



### T4 FLUORESCENT GLOBE ROUND 12W

#### 4 PIN BASE

12W 138mm Globe Only.

Suit	Code
IMG2012	LMP2012

4 Pin 12W



### T5 FLUORESCENT GLOBE ROUND 28W

#### 4 PIN BASE

28W 205mm Globe Only.

Suit	Code
IMG6016-12/16	LMP6016



### FLUORESCENT TUBE LIGHT STARTER

As used in common Fluorescent lamp bases.

Watt	Code
20W	FLS20
40W	FLS40



### FLUORESCENT BALLAST 36W

#### 2ND - EXTRACTED FROM NEW T8 LIGHT ASSEMBLY

Switch-mode Electronic Ballast to suit 36W Fluorescent Tube Light Fittings T8 (1.2M). Un-used, brand new, just has minor screw markings as they were originally extracted from a new light fitting. Push-fit wire connections. Metal shielded.

Watt	36W
Vin	220-240Vac
Current	0.17A
Size	150x40x28mm
Code	BAL36T8



Screw fitting marked

- Tridonic PC 1X36 T8 TEC

**NEW - Now Available**  
**LED Bulb Replacements**  
**See The Following Pages**



**NEW - Now Available**  
**LED Tube Replacement**  
**See The Following Pages**







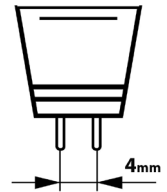
## □ Down Lights Halogen

### GU4 (MR11) HALOGEN LAMP PHILIPS

#### DICHROIC REFLECTOR

Accent light to create the perfect focus on the objects to be lit. Cool beam to minimize the effects of halogen light on sensitive objects. Dichroic reflector coating is heat-transmitting and light-reflecting. Best dimmability to meet different brightness requirements. Instant start to offer direct brightness from the moment it's switched on. No mercury to ensure safety. Excellent colour rendering (Ra = 100).

Watt	Volts	Beam Angle	Size	Code
35W	12V	30°	Ø35.3x40mm	MR11-35-PH



### MR16 HALOGEN LAMP

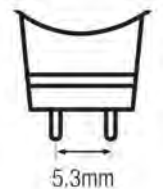
Low-voltage halogen burner optically positioned in a glass reflector with front glass. Dichroic reflector coating is heat-transmitting and light-reflecting. Cool beam as a large part of the heat generated is transmitted backwards through the back glass. Excellent colour rendering (Ra = 100).

#### • Features

- UV-Block front glass
- Excellent colour rendering
- High-intensity beam with a clearly defined beam spread
- Constant high quality and aesthetics maintained over lifetime
- Reflector has a light-reflecting & light-transmitting hard dichroic coating

#### GENERIC BRANDED

Watt	Volts	Beam Angle	Size	Code
20W	12V	45°	Ø50x40mm	MR16-20



Through MEPS, Australia is phasing out the least energy efficient appliances and products. MEPS requirements are set out in Australian standards. They are being used to address the energy efficiency and quality aspects of various lamp types including an import ban on 50W tungsten halogen reflector lamps from 14 April 2012.

### GU10 HALOGEN LAMP.

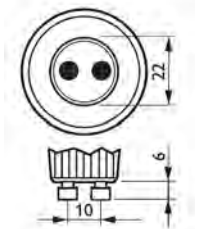
Aluminium reflector to direct most of the heat to the front, ideal for heat-sensitive ceilings and luminaires. Bright sparkling light to create ambient atmosphere. Instant start to offer direct brightness from the moment it's switched on. No mercury to ensure safety. Excellent colour rendering (Ra=100) to present the true colour of objects. Direct bayonet 240Vac globe.

#### • Features

- Aluminium reflector
- UV-Block front glass
- Excellent colour rendering
- High-intensity beam with a clearly defined beam spread
- Constant high quality and aesthetics maintained over lifetime

#### GENERIC BRANDED

Watt	Volts	Beam Angle	Size	Code
35W	240V	38°	Ø50x40mm	GU10-35
50W	240V	38°	Ø50x40mm	GU10-50



#### PHILIPS

Watt	Volts	Beam Angle	Size	Code
50W	240V	36°	Ø50x50mm	GU10-50PH



### G4 & G6.35 12V QUARTZ HALOGEN BULB ONLY

#### G4 BASE (4mm)

Pins	Size	Watt	Code
4mm	22x8mm	10W	QHL10
4mm	22x8mm	20W	QHL20

#### G6.35 BASE (6.3mm)

Pins	Size	Watt	Code
6mm	30x10mm	20W	QHL21
6mm	30x10mm	50W	QHL50
6mm	30x10mm	75W	QHL75
6mm	30x10mm	100W	QHL101



### 240V QUARTZ HALOGEN HORIZONTAL

#### 78/118x12mm Replacement Globe

Watt	Length	Code
100W	78mm	QHL100
150W	78mm	QHL150
150W	118mm	QHL151
200W	118mm	QHL201
300W	118mm	QHL300
500W	118mm	QHL500
1000W	189mm	QHL1000







# Power & Lighting

## Down Lights Bases & Power

### MR16 RECESSED DOWN-LIGHTS CASING

#### FIXED HEAD - NO GLOBE

Die cast aluminium, Fixed head, twist lock.  
Suits to MR16 lamps max 50W.  
MR16 Lamp holder cable included.  
Cut out hole Ø72mm.  
Size Ø81x50mm.

Colour	Code
White	RDL1600WH
Satin Chrome	RDL1600SC

All Casings are compatible with Halogen and LED Down Lights



### MR16 RECESSED DOWN-LIGHTS GIMBAL CASING

#### TILT HEAD GIMBAL 45° - NO GLOBE

Die case aluminium casing, Twist lock.  
Suits to MR16 lamps max 50W.  
MR16 Lamp holder cable included.  
Cut out hole Ø92mm.  
Size Ø103x49mm

Colour	Code
White	RDL1601WH
Satin Chrome	RDL1601SC



### MR16 SQUARE RECESSED DOWN-LIGHT CASING

#### ROUND GIMBAL - NO GLOBE

Die cast aluminium casing with 45° round gimbal.  
Twist lock. Suits to MR16 lamps max 50W.  
MR16 Lamp holder cable included.  
Cut out hole Ø92mm.  
Size 103x103x49mm

Colour	Code
White	RDL1602WH
Satin Chrome	RDL1602SC



### MR16 SINGLE RECESSED DOWN-LIGHT

Pressed steel casing with twist lock.  
30° internal centre tilt.  
Suitable for MR16 or GU10 lamps.  
One MR16 Lamp holder cable included.  
Cut out hole Ø86mm. No globe supplied

Colour	Size	Code
White	92x92mm	RDL1603WH-1
Silver	92x92mm	RDL1603SL-1



### MR16 CEILING MOUNT HOLDER

#### FIXED HEAD FLUSH MOUNT WITH HEAT SHIELD

Die-cast Aluminium metal heat shield flush mount with twist lock head mechanism system. MR16 base mount and connection cable included.  
Ø67mm cutout hole. Size Ø67mmx100mm.

Code
M16CAN

All Bases are compatible with Halogen and LED Down Lights



### MR16 LAMP HOLDER CABLE

#### PUSH IN TYPE

Low voltage MR16 lamp holder cable.  
Available in three different lengths.

Length	Code
25cm	RDL9001-025
40cm	RDL9001-040
200cm	RDL9001-200

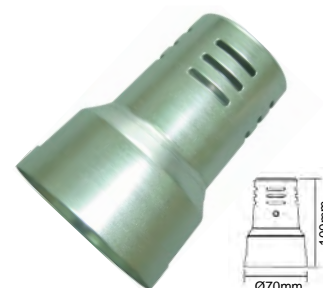


### MR16 LAMP HEAT CAN

#### ALUMINIUM HEAT CAN ONLY

Heat can back cover only to suit MR16 type light fixtures.  
Base and lamp not included.  
Available in two sizes.

Size	Code
100x70mmØ	RDL1600CAN
100x92mmØ	RDL1601CAN







## GU10 RECESSED DOWN-LIGHTS CASING

### FIXED HEAD - NO GLOBE

Die cast aluminium, Fixed head, twist lock.  
Suits to GU10 lamps max 50W.  
GU10 Lamp holder cable included.  
Cut out hole Ø72mm.  
Size Ø81x50mm.

Size	Colour	Code
Ø81x50mm	White	RDL1700WH
Ø81x50mm	Satin Chrome	RDL1700SC



## GU10 RECESSED DOWN-LIGHTS GIMBLE CASING

### GIMBAL 45° - NO GLOBE

Die case aluminium casing, Twist lock.  
Suits to GU10 lamps max 50W.  
GU10 Lamp holder cable included.  
Cut out hole Ø92mm.  
Size Ø103x49mm

Size	Colour	Code
Ø103x49mm	White	RDL1701WH
Ø103x49mm	Satin Chrome	RDL1701SC

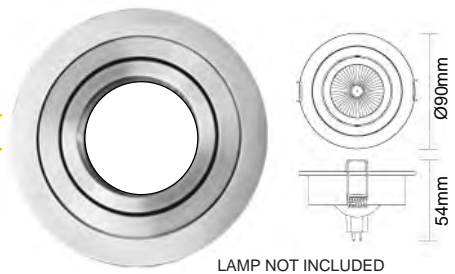


## GU10 & MR16 ROUND PREMIUM ALUMINIUM RECESSED DOWN-LIGHT

### ROUND GIMBAL - NO GLOBE

Natural anodised finish. Corrosion resistant premium grade aluminium. 30° centre tilt and 350° rotatable. Durable retention springs. Suitable for the MR16 and GU10 lamps. MR16 Lamp holder cable included. Size Ø90x54mm. Cut out hole Ø82mm.

Code  
RDL1606

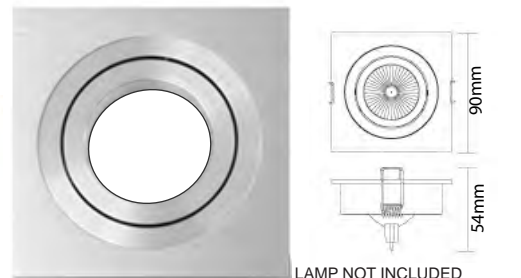


## GU10 & MR16 SQUARE PREMIUM ALUMINIUM RECESSED DOWN-LIGHT

### SQUARE GIMBAL - NO GLOBE

Natural anodised finish. Corrosion resistant premium grade aluminium. 30° centre tilt and 350° rotatable. Durable retention springs. Suitable for the MR16 and GU10 lamps. MR16 Lamp holder cable included. Size 90x90mm. Cut out hole Ø82mm.

Code  
RDL1607



## GU10 LAMP HOLDER

### GU10 CABLE AND BRACKET - NO GLOBE

Code  
RDL9000

Note:- Not suitable for RDL1600CAN & RDL1601CAN Heat cans.

All Bases are compatible with Halogen and LED Down Lights



## 12VAC LAMP POWER SUPPLY 70W

### LOW NOISE CLEAN VOLTAGE DIMMABLE TYPE

240VAC mains switch mode supply module for LED/Halogen lamps. 11.5Vac 6A Output. Overload and short circuit protection with self resetting. Dimmable with leading edge or trailing edge dimmer. Over temperature cut off. Thermally stable and shatter-proof plastic casing. Compact design with screw terminal. No wiring supplied.

Watt	Input	Vout	Size	Code
0-70W	220 - 240V	11.5V	113x44x28mm	TP710



Dimmable  
[Depending On Lamp\*]

Compatible with Halogen and 12Vac input LED Down Lights





## □ Down Lights LED

### MR16 & GU5.3 MASTER 12V LED LIGHT PHILIPS

#### PREMIUM PHILIPS LONG LIFE LEDS - DIMMABLE

Delivering a warm, halogen-like accent beam, this LED lamp is an ideal retrofit solution for spot and general lighting applications in the hospitality industry. It is particularly suited to public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time. The robustly designed MASTER LED spot offers a choice of beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere.



Watt	Flux (lm)	Colour	Colour Temp	Beam Angle	Dimmable	Code
7W	380	Warm White	2700K	36°	Yes	LED1618-7-36-27
7W	380	Warm White	2700K	60°	Yes	LED1618-7-60-27
7W	380	Warm White	3000K	36°	Yes	LED1618-7-36-30
7W	380	Warm White	3000K	60°	Yes	LED1618-7-60-30
7W	400	Cool White	4000K	36°	Yes	LED1618-7-36-40
7W	400	Cool White	4000K	60°	Yes	LED1618-7-60-40

### MR16 LED SPOTLIGHT 12V

#### ULTRA LONG LIFE POWER SAVER

Energy-saving and environment-friendly. LED with MR16 base. 45° beam angle. Aluminium alloy housing design for good heat dissipation. Replacement for the halogen bulbs. 12V AC/DC input voltage. Not dimmable.



Watt	LUX	Colour	Colour Temp	Size	Code
3W	300	Warm White	3000K	Ø50x50mm	LED3130
3W	330	Cool White	6000K	Ø50x50mm	LED3170
5W	500	Warm White	3000K	Ø50x50mm	LED3530

### MR16 LED DOWN LIGHT ENSA

#### 5.5W DIRECT REPLACEMENT FOR HALOGEN GU5.3 BI-PINS

The ENSA™ LED MR16 / GU5.3 Bi-Pin bulb series provides an energy efficient alternative to shorter-lifespan, higher energy use halogen downlights. They are an ideal energy efficient lighting solution in a variety of general purpose illumination applications. Requires 12Vdc at around 500mA. Not dimmable.

- Available in cool and warm white colour temperatures.
- Excellent low energy alternative to halogen lamps.
- Frosted diffuser delivers soft light and removes LED glare.
- Incredible 10 year warranty with up to 20 year lifespan

**ENSA™**  
Energy Saving Devices



Colour	Colour Temp	Lumens	Volts	Watt	Equiv.	Beam Angle	Socket	Size	Code
Warm White	3000K	400Lm	12Vdc	5.5W	30W	105°	MR16	51x50mmØ	LED2452-5-30
Cool White	6500K	420Lm	12Vdc	5.5W	30W	105°	MR16	51x50mmØ	LED2452-5-65

### MR16 LED 100MM DOWNLIGHT KIT 12V

#### LED LAMP, HOUSING & TRANSFORMER

Excellent installer solution with MR16 base glass covered LED. All metal heat-shield flush mount. 85~240Vac input & 12Vdc 1A output 12W max. switch mode supply module. Fully pre-wired. Die cast aluminium construction. Euro style lamp holder. Supplied boxed. Not dimmable. Ø67mm cutout hole. Size Ø67mmx100mm.

Watt	Colour Temp	Lumens	Colour	Angle	LED	Code
5W	5000K	420	Cool White	60°	5	UR5LDK-50
5W	2700K	420	Warm White	60°	5	UR5LDK-27



### 3W G4 SILICON BASE LED BULB 12V

G4 base replacements for downlights, desk lamps, RV & caravan lamps, etc.

- 3W LED bulb with G4 base, 200lm output, 12VDC, replaces 12W halogen
- Easy retrofit LED light bulbs with a variety of base fixtures
- Available in warm (3000K) and cool white (6000K) colour temperatures
- Variety of material options including silicon & ceramic LED substrates
- 360° beam angle for excellent general purpose illumination
- Lifespan of up to 30,000 hours and CRI >80

Lumens	Colour	Colour Temp	Power	Beam Angle	Size	Code
200lm	Warm White	3000K	3W	360°	15 x 43 mm	LBL-BA3-W1
200lm	Cool White	6000K	3W	360°	15 x 43 mm	LBL-BA3-C1







## GU10 LED SPOTLIGHT 240V

### ULTRA LONG LIFE POWER SAVER

Energy-saving and environment-friendly. LED with GU10 base. 45° beam angle. Aluminium alloy housing design for good heat dissipation. Replacement for the halogen bulbs. 85 - 250V AC input voltage. Not dimmable.

Watt	LUX	Colour	Colour Temp	Beam Angle	Code
3W	300	Warm White	3000K	45°	LED10330
3W	300	Cool White	6000K	45°	LED10370
5W	500	Warm White	3000K	45°	LED10530

Size Ø50x53mm.



## GU10 LED DOWN LIGHT ENSA

### BAYONET TYPE 5.5W

The ENSA™ LED provides an energy efficient alternative to shorter-lifespan, higher energy use halogen downlights. They are an ideal energy efficient lighting solution in a variety of general purpose illumination applications. Equivalent in brightness to similar (105°) halogen globes of around 30W. Not dimmable.

- Available in cool and warm white colour temperatures.
- Excellent low energy alternative to halogen lamps.
- Frosted diffuser delivers soft light and removes LED glare.
- Incredible 10 year warranty with up to 20 year lifespan.

**ENSA™**  
Energy Saving Devices



Not Dimmable.

Colour	Colour Temp	Lumens	Volts	Watt	Equiv.	Beam Angle	Socket	Size	Code
Warm White	3000K	400Lm	240Vac	5.5W	30W	105°	GU10	51x50mmØ	LED2453-5-30
Cool White	6500K	420Lm	240Vac	5.5W	30W	105°	GU10	51x50mmØ	LED2453-5-65

## 13W DIMMABLE LED DOWN LIGHTS 100mmØ - 130mm²

### STANDARD 90mm HOLE MOUNT - KIT INCLUDES 240Vac POWER PACK

Fits standard down light sized cut-out. Includes power transformer inline to 240Vac plug. 1.5M length. White tinted light dispersion lens for softer beam and multiple point Samsung LEDs gives a 120° wide beam angle. Compatible with most Trailing & Leading Edge type 240Vac mains lighting dimmer controls. Choice of satin brushed chrome or white powder coated for an attractive professional installation appearance. Low profile of only 33mm max. Samsung LEDs. Manufacturers 5 year warranty. All items are SAA approved. No IR/UV.



Case	Colour	Colour Temp	Lumens	Beam Angle	Watt	Voltage	Hole	Dimensions	Code
White	Warm White	3000K	870lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302WH-13-30
White	Natural White	4000K	900lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302WH-13-40
White	Cool White	5000K	930lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302WH-13-50
White	Cool White	6000K	1050lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302WH-13-60
Satin Chrome	Warm White	3000K	870lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302SC-13-30
Satin Chrome	Natural White	4000K	900lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302SC-13-40
Satin Chrome	Cool White	5000K	930lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302SC-13-50
Satin Chrome	Cool White	6000K	1050lm	120°	13W	240Vac	90mmØ	33x100mmØ	LED302SC-13-60

### REPLACEMENT RING STYLES FOR LED302 SERIES DOWNLIGHTS

Type	Made	Size	Code
Round	Satin Chrome	100x100mm*	LED302SC-100-RR
Round	Satin Chrome	115x115mm	LED302SC-115-RR
Round	White	115x115mm	LED302WH-115-RR
Round	Satin Chrome	125x125mm	LED302SC-125-RR
Round	White	125x125mm	LED302WH-125-RR
Square	Satin Chrome	110x110mm	LED302SC-110-SQ



Compatible with the 90mm LED302 series LED downlights. Metal construction with thread that screws onto the metal base for a secure fitting. (\*LED302SC-100-RR is supplied as standard)

### POWER SUPPLY REPLACEMENT

Input	Output	Watt	Code
220-240V	21-42Vdc	15W	TP712







## 3W LED SLIM LIGHT 85MM ROUND 240VAC

### INCLUDES 240VAC POWER SUPPLY

Excellent low power, low radiant heat, soft but bright illumination for cabinets and display or in-wall for walkways, etc. Super-low profile design.

- 3W LED with 150 Lm light output, equivalent to 15W halogen
- 70mmØ hole cut size and 85mmØ x 21mm in size. Non-dimmable.
- Ideal for use in a wall or as a down light in display cases or cabinets
- Available in warm (3000K) and cool white (5000K) colour temperatures
- White tinted light dispersion lens for softer beam.
- Up to 35,000 hours rated lifespan; high CRI >80
- Supplied with 240Vac mains plug and lead 1M
- Includes 240Vac inline 9V LED driver



Watt	Lumens	Beam Angle	Hole	Size	Colour	Colour Temp	Voltage	Code
3W	150lm	160°	70mmØ	85mmØ x 21mm	Warm White	3000K	240Vac	LED316-3-30
3W	150lm	160°	70mmØ	85mmØ x 21mm	Cool White	5000K	240Vac	LED316-3-50

## 3W LED SLIM LIGHT 85MM ROUND 12VDC

### SUPPLIED WITHOUT POWER SUPPLY - REQUIRES 12VDC

Excellent low power, low radiant heat, soft but bright illumination for cabinets and display or in-wall for walkways, etc. Super-low profile design.

- 3W LED with 150lm light output, equivalent to 15W halogen
- 70mmØ hole cut size and 85mmØ x 21mm in size. Not dimmable.
- Ideal for use in a wall or as a down light in display cases or cabinets
- Available in warm (3000K) and cool white (5000K) colour temperatures
- White tinted light dispersion lens for softer beam.
- Up to 35,000 hours rated lifespan; high CRI >80
- Not dimmable. 15cm lead to bare wire ends
- Requires 12V regulated power supply



Watt	Lumens	Beam Angle	Size	Hole	Colour	Colour Temp	Voltage	Current	Code
3W	150lm	160°	85mmØ x 21mm	70mmØ	Warm White	3000K	12Vdc	300mA	LED316-3-30-ND
3W	150lm	160°	85mmØ x 21mm	70mmØ	Cool White	5000K	12Vdc	300mA	LED316-3-50-ND

## 3W LED SLIM LIGHT 85MM SQUARE 240VAC

### INCLUDES 240VAC POWER SUPPLY

Excellent low power, low radiant heat, soft but bright illumination for cabinets and display or in-wall for walkways, etc. Super-low profile design.

- 3W LED with 150 Lm light output, equivalent to 15W halogen
- With a size of 85x85mm and a cut out size of 70x70mm for the hole
- Ideal for use in a wall or as a downlight in display cases or cabinets
- Available in warm (3000K) and cool white (5000K) colour temperatures
- White tinted light dispersion lens for softer beam.
- Up to 35,000 hours rated lifespan; high CRI >80
- Supplied with 240Vac mains plug and lead 1M
- Includes 240Vac inline 9V LED driver



Watt	Lumens	Beam Angle	Size	Hole	Colour	Colour Temp	Voltage	Code
3W	150lm	160°	85x85x21mm	70x70mm	Warm White	3000K	240Vac	LED317-3-30
3W	150lm	160°	85x85x21mm	70x70mm	Cool White	5000K	240Vac	LED317-3-50

## 3W LED SLIM LIGHT 85MM SQUARE 12VDC

### SUPPLIED WITHOUT POWER SUPPLY - REQUIRES 12VDC

Excellent low power, low radiant heat, soft but bright illumination for cabinets and display or in-wall for walkways, etc. Super-low profile design.

- 3W LED with 150 Lm light output, equivalent to 15W halogen
- With a size of 85x85mm and a cut out size of 70x70mm for the hole
- Ideal for use in a wall or as a down light in display cases or cabinets
- Available in warm (3000K) and cool white (5000K) colour temperatures
- White tinted light dispersion lens for softer beam.
- Up to 35,000 hours rated lifespan; high CRI >80.
- Not dimmable. 15cm lead to bare wire ends
- Requires 12V regulated power supply



Watt	Lumens	Beam Angle	Size	Hole	Colour	Colour Temp	Voltage	Current	Code
3W	150lm	160°	85x85x21mm	70x70mm	Warm White	3000K	12Vdc	300mA	LED317-3-30-ND
3W	150lm	160°	85x85x21mm	70x70mm	Cool White	5000K	12Vdc	300mA	LED317-3-50-ND

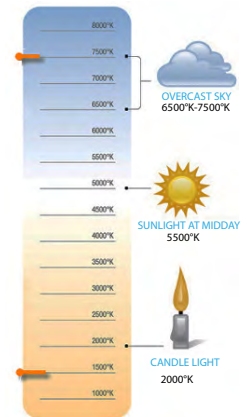




## 10W LED DOWNLIGHT 100MM WITH GIMBAL CASING

### ANGLE ADJUSTABLE SPOT LIGHT - 240VAC DIMMABLE

- Die case aluminium casing, Twist lock. With a 45mm LED light
- Gimbal casing can be tilted by 30° on each side of one axis
- Focused light beam type downlight suit display applications
- Cut out hole Ø65mm. Flange is Ø100. Depth ~75mm
- Large cast aluminium heatsink housing back assembly
- Professional powder white colour to suits high-end decor
- Includes power transformer inline 1M cord to 240Vac plug



Case	Watt	Volts	Lumens	Beam Angle	Hole	Colour	Colour Temp	Size	Code
White	10W	21-42V	650lm	30°	65mmØ	Warm White	3000K	100mmØ x 75mm	LED309-10-30-30
White	10W	21-42V	650lm	30°	65mmØ	Natural White	4000K	100mmØ x 75mm	LED309-10-40-30
White	10W	21-42V	650lm	30°	65mmØ	Cool White	5000K	100mmØ x 75mm	LED309-10-50-30
White	10W	21-42V	650lm	60°	65mmØ	Warm White	3000K	100mmØ x 75mm	LED308-10-30-60
White	10W	21-42V	650lm	60°	65mmØ	Natural White	4000K	100mmØ x 75mm	LED308-10-40-60
White	10W	21-42V	650lm	60°	65mmØ	Cool White	5000K	100mmØ x 75mm	LED308-10-50-60

## 13W LED DOWNLIGHT 110MM WITH GIMBAL CASING

- Die case aluminium casing, Twist lock. With a 75mm LED light is fitted inside
- Gimbal casing that can tilted by 30° on each side.
- Cut out hole Ø86mm. Size Ø106x45mm
- Low profile of only 33mm max. and Highly efficient with low temperature losses gives more mounting location options.
- Heatsink cast aluminium housing back.
- Dimmable.
- Available in powder white and satin colour
- Includes power transformer inline to a standard 240Vac plug. 1M length.



Case	Watt	Lumens	Beam Angle	Hole	Colour	Colour Temp	Size	Code
White	13W	800lm	90°	90mmØ	Warm White	3000K	108mmØ x 45mm	LED314-13-30
White	13W	800lm	90°	90mmØ	Cool White	5000K	108mmØ x 45mm	LED314-13-50
Satin	13W	800lm	90°	90mmØ	Warm White	3000K	108mmØ x 45mm	LED315-13-30
Satin	13W	800lm	90°	90mmØ	Cool White	5000K	108mmØ x 45mm	LED315-13-50

## 10W DIMMABLE LED DOWNLIGHTS 85mmØ

### COMPACT 70mm HOLE MOUNT - KIT INCLUDES 240Vac POWER PACK

Fits 70mm down light sized cut-out. Includes power transformer inline to a standard 240Vac plug. 1.5M length. White tinted light dispersion lens for softer beam and multiple point Samsung LEDs gives a 120° wide beam angle. Compatible with most Trailing & Leading Edge type 240Vac mains lighting dimmer controls. Assorted colour temperatures are available to customize the interior lighting tone to suit your home or office decor. Choice of satin brushed chrome or white powder coated for an attractive professional installation appearance. Low profile of only 30mm max. Highly efficient with low temperature losses gives more mounting location options. Heatsink cast aluminium housing back. Quality materials used. Samsung LEDs. Manufacturers 5 year warranty. All items are SAA approved. No IR/UV.



Case	Colour	Colour Temp	Lumens	Beam Angle	Watt	Voltage	Hole	Dimensions	Code
White	Warm White	3000K	700lm	120°	10W	240Vac	70mmØ	30x85mmØ	LED303WH-10-30
Satin Chrome	Warm White	3000K	700lm	120°	10W	240Vac	70mmØ	30x85mmØ	LED303SC-10-30
White	Natural White	4000K	750lm	120°	10W	240Vac	70mmØ	30x85mmØ	LED303WH-10-40
Satin Chrome	Natural White	4000K	750lm	120°	10W	240Vac	70mmØ	30x85mmØ	LED303SC-10-40

## 10W DIMMABLE LED DOWN LIGHT 115mmØ

### STANDARD 90mm HOLE MOUNT – INTEGRATED LED DRIVER 240V

Fits standard down light sized cut-out. Includes built in LED Diver with standard 240Vac plug to a 0.6M length power lead for fast and easy installation. It can also be hard-wired by screw terminals. White tinted light dispersion lens for softer beam and multiple point Samsung LEDs gives a 120° wide beam angle. Compatible with most Universal dimmers including Trailing & Leading Edge type 240Vac mains lighting dimmer controls. Assorted colour temperatures are available to customize the interior lighting tone to suit your home or office decor. White powder coated for an attractive professional appearance. Low profile of only 65mm max. Highly efficient with low temperature losses gives more mounting location options. Heatsink cast aluminium housing back. Quality materials used. Samsung LEDs. Manufacturers 5 year warranty.



Colour	Colour Temp	Watt	Lumens	Beam Angle	Case	Hole	Size	Voltage	Code
Warm White	3000K	10W	785lm	120°	White	90mmØ	115mmØ x 58mm	240Vac	LED307-10-30
Natural White	4000K	10W	815lm	120°	White	90mmØ	115mmØ x 58mm	240Vac	LED307-10-40
Cool White	5000K	10W	845lm	120°	White	90mmØ	115mmØ x 58mm	240Vac	LED307-10-50
Cool White	6000K	10W	860lm	120°	White	90mmØ	115mmØ x 58mm	240Vac	LED307-10-60

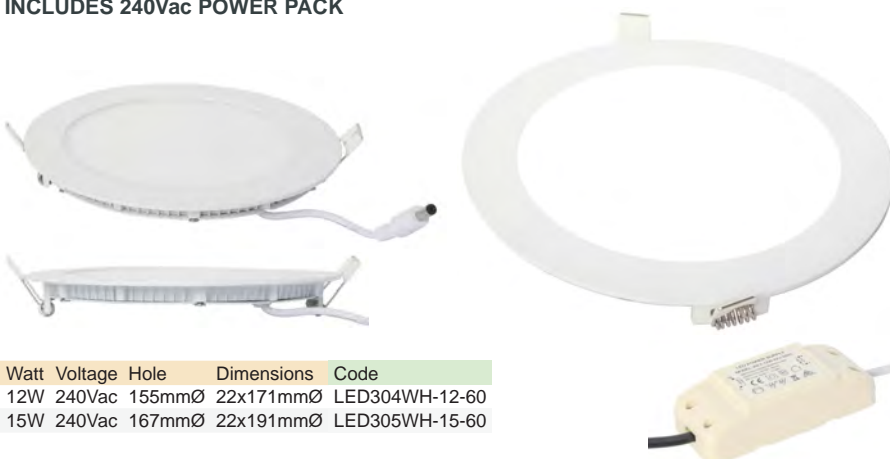




## 12W/15W LED CEILING LIGHTS 170mmØ & 190mmØ

### SUPER SLIM 12W 154mm & 15W 168mm - KIT INCLUDES 240Vac POWER PACK

This super slim LED ceiling light is only 12mm in thickness, which gives installers more mounting location options. The LED is made with quality non-dimmable Samsung LED chip. The light includes power transformer inline to a standard 240Vac plug. 1.5M length. The product is available in 12W and 15W. They have a white powder coated aluminium housing, which is excellent for dissipating heat. All items are SAA approved. No IR/UV.



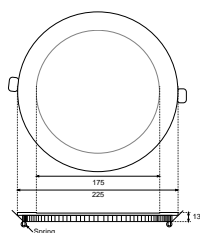
Case	Colour	Colour Temp	Lumens	Beam Angle	Watt	Voltage	Hole	Dimensions	Code
White	Cool White	6000K	800Lm	90°	12W	240Vac	155mmØ	22x171mmØ	LED304WH-12-60
White	Cool White	6000K	900Lm	90°	15W	240Vac	167mmØ	22x191mmØ	LED305WH-15-60

## 18W LED CEILING LIGHT 225mmØ

### NON DIMMABLE - KIT INCLUDES 240Vac POWER PACK

The large LED down-light has a diameter of 225mm and is excellent for indoor room lighting. The package includes a power transformer inline with a standard 240Vac plug. 1K Lumens at only 18W Power saving. Low profile to improve the space efficiency of the installation. The LED light includes a white powder coated surface for a professional finish.

Case	White
Colour	Cool White
Colour Temp	6000K
Lumens	1050Lm
Beam Angle	120°
Watt	18W
Hole	200mmØ
Dimensions	20x225mmØ
Code	LED306WH-18-60



## LARGE LED DOWN LIGHTS - 150mmØ 175mmØ 210mmØ

### DELUXE CELESTRA STYLE - 240VAC SMPS INCLUDED - NON DIMMABLE

Low heat, high power and more Light! All in one down-light solution. Direct replacement to CFL down-lights and they generate far less heat with higher brightness making these LED replacements more energy efficient, longer lasting and a low maintenance alternative. Retro fit your current installation. Beautifully finished in Ceiling white colour with opaque glass and chrome inner trim, these lights will fit into any decor seamlessly. Available in number power outputs, sizes and colour temperatures. Includes Power Supply Unit. Not dimmable.

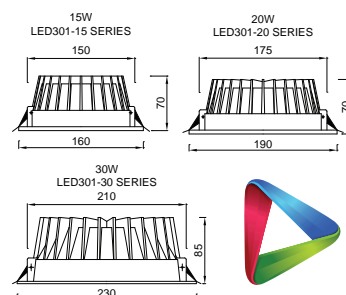
- Grandiose Down Lighting
- Luxuriously finished bezel
- Modern deluxe styling
- Diffused white filter lens
- Soft light, Reduced shadows
- Wide range of temperatures
- Wide 120° beam angle
- Not Dimmable
- Includes Power Supply
- Mains Plug Attached
- Mount further apart
- High power brightness
- Excellent LED efficiency
- Premium quality Celestra



Includes switch mode power supply. Non-dimmable.



Watt	Lumens	Beam Angle	Colour	Colour Temp	Size	Code
15W	1350 ml	120°	Warm White	2700 - 3300K	OD160xID150xH70mm	LED301-15-30
15W	1550 ml	120°	Daylight	4000 - 4500K	OD160xID150xH70mm	LED301-15-45
15W	1800 ml	120°	Cool White	5700 - 6300K	OD160xID150xH70mm	LED301-15-60
20W	1500 ml	120°	Warm White	2700 - 3300K	OD190xID175xH70mm	LED301-20-30
20W	1600 ml	120°	Daylight	4000 - 4500K	OD190xID175xH70mm	LED301-20-45
20W	1900 ml	120°	Cool White	5700 - 6300K	OD190xID175xH70mm	LED301-20-60
30W	2250 ml	120°	Warm White	2700 - 3300K	OD230xID210xH85mm	LED301-30-30
30W	2400 ml	120°	Daylight	4000 - 4500K	OD230xID210xH85mm	LED301-30-45
30W	2700 ml	120°	Cool White	5700 - 6300K	OD230xID210xH85mm	LED301-30-60







## 15W LED DOWNLIGHT 145MM

### 110mm HOLE MOUNT WITH BUILT-IN DRIVER 240VAC DIMMABLE

- 145mm Flange. 63mm depth. Fits into a 110mm hole cut-out
- Includes a built-in LED driver to a standard 240Vac plug. 0.6M length.
- White tinted light dispersion lens for softer beam and the LED gives a 120° beam angle.
- Compatible with most Universal 240Vac dimmers including Trailing & Leading Edge type
- Assorted colour temperatures are available to customise the interior lighting tone
- White powder coated for an attractive professional appearance.
- Highly efficient with low temperature losses gives more mounting location options.
- All items are SAA approved. No IR/UV. 0.6M cord to 240Vac mains plug.

Watt	Lumens	Beam Angle	Hole	Colour	Colour Temp	Size	Code
15W	1100lm	120°	110mmØ	Warm White	3000K	145mmØ x 63mm	LED312-15-30
15W	1100lm	120°	110mmØ	Warm White	4000K	145mmØ x 63mm	LED312-15-40
15W	1100lm	120°	110mmØ	Warm White	5000K	145mmØ x 63mm	LED312-15-50
15W	1100lm	120°	110mmØ	Warm White	6000K	145mmØ x 63mm	LED312-15-60



## 20W LED DOWNLIGHT 190MM

### 145mm HOLE MOUNT WITH BUILT-IN DRIVER 240VAC DIMMABLE

New premium LED downlights with soft dispersion lens. It includes a built-in driver that connects to a 0.6M power mains cable and plug. Easy to use, can be installed without a technician. It can also be hard-wired by screw terminals.

- 190mm Flange. 68mm depth. Fits into a 145mm hole cut-out
- Includes a built-in LED driver to a standard 240Vac plug. 0.6M length.
- White tinted light dispersion lens for softer beam and the LED gives a 120° beam angle.
- Compatible with most universal dimmers including trailing & leading Edge type 240Vac
- Assorted colour temperatures are available to customise the interior lighting tone
- White powder coated for an attractive professional appearance.
- Highly efficient with low temperature losses gives more mounting location options.
- All items are SAA approved. No IR/UV. 0.6M cord to 240Vac mains plug.

Watt	Lumens	Beam Angle	Hole	Colour	Colour Temp	Size	Code
20W	1500lm	120°	145mmØ	Cool White	5000K	190mmØ x 73mm	LED313-20-50
20W	1500lm	120°	145mmØ	Cool White	6000K	190mmØ x 73mm	LED313-20-60



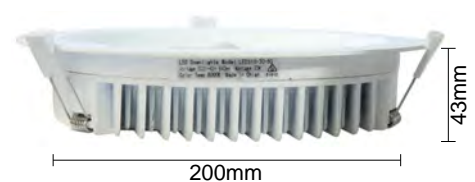
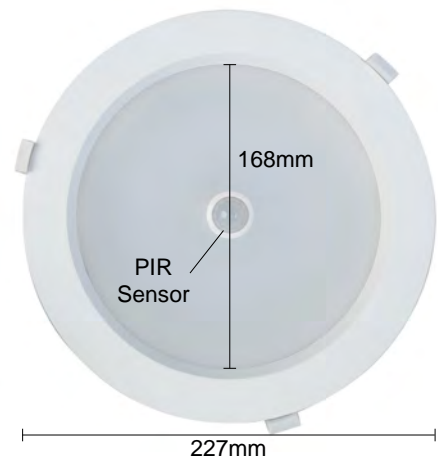
## 30W LED DOWNLIGHT 227MM WITH PIR MOTION SENSOR

### 200mm HOLE MOUNT WITH BUILT-IN DRIVER 240VAC DIMMABLE

New premium LED downlights with PIR motion sensor. It includes a power transformer inline to a standard 240Vac plug. 1M length. Super slim. Only 45mm thick.

- 227mm Flange. 45mm Low Profile depth. Fits into a 200mm hole cut-out
- Includes a power transformer inline to a standard 240Vac plug
- White tinted light dispersion lens for softer beam and the LED gives a 120° beam angle.
- In built PIR motion sensor to switch on the light when it detects human movement.
- Compatible with most universal 240Vac dimmers including trailing & leading Edge type
- White powder coated for an attractive professional appearance.
- Highly efficient with low temperature losses gives more mounting location options.
- All items are SAA approved. No IR/UV.

Watt	Lumens	Beam Angle	Hole	Colour	Colour Temp	Size	Code
30W	2250lm	90°	200mmØ	Cool White	5000K	227mmØ x 45mm	LED310-30-50
30W	2250lm	90°	200mmØ	Cool White	6000K	227mmØ x 45mm	LED310-30-60







# Power & Lighting

## LED Lighting

### LED RETRO-FIT LIGHT BULBS

#### Perfect fluoro replacement

An environmentally friendly solution that has no toxins and no mercury.



#### Long lasting performance

Rated lifespan of 30,000 hours, with a light decay of <15% over 10K hours and last 8-10 times longer than standard bulbs.



#### Less heat and more safety

LEDs emit very little heat and are therefore safer. Incandescent bulbs release 90%, CFLs about 80% of their energy as heat.



#### Efficient LED technology

Features a 360° beam angle and outputs 7x the light per watt with instant switch-on to full brightness.



### LED LIGHT BULB - B22 BAYONET TYPE - ULTRACHARGE

The bayonet type B22 LED light bulb provides excellent lighting and save power. Available in 9W and 11W. Save 85% energy compared to conventional lighting. Long life, up to 35000 hours of use. Ultracharge brand.

Colour	Warm White	Warm White	Warm White	Cool White	Cool White
Colour Temp	3000K	3000K	3000K	6000K	6000K
Lumens	400Lm	760Lm	900Lm	780Lm	940Lm
Watt	5W	9W	11W	9W	11W
Equiv.	~34W	~48W	~54W	~48W	~54W
Beam Angle	160°	160°	160°	160°	160°
Size	107x60mmØ	107x60mmØ	107x60mmØ	107x60mmØ	107x60mmØ
Code	URL5WB22W	URL9WB22W	URL11WB22W	URL9WB22	URL11WB22



### LED LIGHT BULB - E27 SCREW TYPE - ULTRACHARGE

The screw type E27 LED light bulb provides excellent lighting and save power. Available in 9W and 11W. Save 85% energy compared to conventional lighting. Long life, up to 35000 hours of use. Ultracharge brand.

Colour	Warm White	Warm White	Warm White	Cool White	Cool White
Colour Temp	3000K	3000K	3000K	6000K	6000K
Lumens	400Lm	760Lm	900Lm	780Lm	940Lm
Watt	5W	9W	11W	9W	11W
Equiv.	~34W	~48W	~54W	~48W	~54W
Beam Angle	160°	160°	160°	160°	160°
Size	107x60mmØ	107x60mmØ	107x60mmØ	107x60mmØ	107x60mmØ
Code	URL5WE27W	URL9WE27W	URL11WE27W	URL9WE27	URL11WE27



### 1.5W E14 LED BULB

The E14 screw base LED bulb is suitable for appliance lighting, such as in refrigerators.

- 1.5W LED bulb with E14 base, 120lm output, 240VAC, replaces 10W halogen
- Easy retrofit LED light bulbs with a variety of base fixtures
- Available in warm (3000K) and cool white (6000K) colour temperatures
- Variety of material options including silicon & ceramic LED substrates
- 360° beam angle for excellent general purpose illumination
- Lifespan of up to 30,000 hours and CRI >80

Lumens	120lm
Power	1.5W
Beam Angle	360°
Size	23x50mm
Colour Temp	Warm White      Cool White
Colour	3000K              6000K
Code	LBL-BC1-W1      LBL-BC1-C1







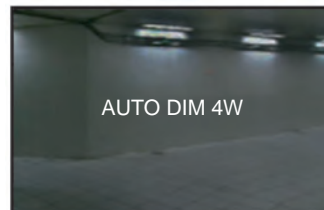
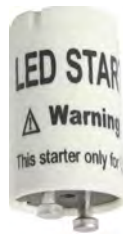
## 4FT LED T8 TUBE LIGHT WITH PIR SENSOR 18W [1200mm]

### \*DIY REPLACEMENT FOR IRON-CORE BALLASTS

LED tube with built in IR sensor. Ideal solution for Car Parks, Storage Rooms, Corridors / passage-ways, etc. The built in timer puts the LED tube into a twilight dim state after a certain period of time when there has been no activity. The dim state only consumes 5 Watts of power for minimal power consumption, yet still some illumination. Once movement is detected the LED tube will return to full brightness. As each tube has its own built in sensor, only where movement is detected, will the light turn on to full brightness. For iron core ballasts, upgrading is by simply replacing the old Fluorescent starter with the included LED Starter. Then change the tube over and that's it! A simple handy-man job.\*

- Infrared sensor dims tube when no one is around
- Further saving up to 80% energy consumption
- Cool light reduces the ambient temperature
- No UV or IR radiation, user friendly light source
- No warm up: full brightness immediately without flicker
- Includes DIY replacement "Starter" for iron-core ballasts
- \*Also suitable for electronic ballasts (requires technician)

Time	3 Min
Colour	Cool White
Colour Temp	5500K
Lumens	1800 lm
Watt	18W/5W Dim
Beam Angle	120°
Socket	G13
Size	Ø30.5x1198mm
Code	LEDTU18W5KS3



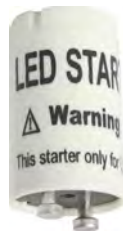
\*NOTE: Can also be used with electronic ballasts (switch mode types) with minor modifications. However, any changes to mains power wiring should always be done by a qualified electrician.

## 4FT LED T8 TUBE LIGHT 18W [1200mm]

The ENSA™ LED tube light series is designed to reduce your fluorescent tube lighting costs by a minimum of 50%. Available in 1200mm in length, LTU series tubes offer an energy efficient direct replacement option to conventional fluorescent. They deliver better quality & longer lasting light with no UV. Includes replacement electronic ballast. They turn on/off instantly with no warm up period, do not fade or flicker and they are 100% recyclable with no mercury or toxic materials. Each tube features an AC input at one end only and is supplied with an LED starter to replace fluorescent tube ballast.

- ENSA™ LED 50% cheaper to run than fluorescent
- No toxins, No Mercury, 100% recyclable product
- Instant On, No Ballast required, No UV, No IR.
- Includes LED starter for retrofitting existing tubes

Lumens	1800lm
Colour	Cool White
Colour Temp	6000K
Power	18W
Beam Angle	140°
Size	Ø26 x 1198mm
Code	LTU-A18-CW



\*NOTE: Can also be used with electronic ballasts (switch mode types) with minor modifications. However, any changes to mains power wiring should always be done by a qualified electrician.

## 5FT LED T8 TUBE LIGHT 22W [1500mm]

- Minimum of 50% power reduction, compared to fluorescent tubes
- Easily retrofitted into existing locations, including magnetic/electric ballast
- Available in cool white 6500K colour temperature
- Frosted diffuser for soft light that eliminates LED glare
- Wide 130° beam angle; up to 30,000 hours rated LED lifespan
- Full polycarbonate design; no mercury or UV radiation vs. fluorescents
- 22W LED tube light with high efficiency 2200lm light output

Lumens	2200lm
Colour	Cool White
Colour Temp	6500K
Power	22W
Beam Angle	140°
Size	Ø26 x 1498mm
Code	LTU-A22-CW



\*NOTE: Can also be used with electronic ballasts (switch mode types) with minor modifications. However, any changes to mains power wiring should always be done by a qualified electrician.





## LED BATTEN LIGHT WITH MOTION SENSOR

### 18/36W ENSA WEATHERPROOF LED LIGHT OUTDOOR STYLE

This LED batten light is an automated energy saving batten light. A truly customisable energy efficient lighting solution, it features a 5.8Ghz microwave motion sensor, light sensor and control electronics to compound the already superb energy savings of switching to LED over fluorescent. When ambient light levels are above the set limit, the LED remains in standby mode, consuming only 0.9W. When ambient light levels fall below the set limit, the light will turn on when motion is detected. When movement is no longer detected, the light will turn off automatically as per on-time delay settings (10s to 12min). This delay can be adjusted on the unit. Motion and daylight sensitivity are also adjustable and can be fine tuned to match the area's needs. Coupled with the LEDBT36WS's IP65 weatherproof rating, this makes it one of most versatile energy efficient lighting solutions available. The light comes standard with stainless steel mounting clips, polyurethane gasket and mounting components.

Colour Temperature 6000K Cool White

Colour Rendering Index >70

Beam Angle 140°

Light Decay 15% at 20,000 hours

Rated Life span 50000 hours

Power Consumption 18W/36W

Power Standby 0.9W

Input Voltage 220 ~ 240VAC 50Hz

Power Factor 0.9

Not Dimmable

General Ingress Protection IP65

Plug/Socket/Base No plug

Operating Environment -20° ~ 50°C

Dimensions 600x95x80/1200x95x80mm

Reflector/Diffuser Clear poly carbonate

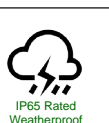
Smart sensor 5.8GHz CW radar ISM band

Motion Detection Microwave / 360° / 1M ~ 8M radius (adjustable)

Daylight Sensor 3 ~ 2000 Lux (adjustable)

On-time Delay 10s ~ 12min (adjustable)

IP65



\* This professional light must only be installed by a qualified electrician.

Lumens	Colour	Colour Temp	Power	Beam Angle	IP Rating	Length	Code
1350Lumens	Cool White	6000K	18W (on), 0.9W(off)	140°	IP65	0.6M	LEDBT18WS
3240Lumens	Cool White	6000K	36W (on), 0.9W(off)	140°	IP65	1.2M	LEDBT36WS

## LED ENCLOSED STRIP LIGHT 1.2M 13.5W - LINK LIGHT

### LINKABLE FOR EXTENDED INDOOR ILLUMINATION

The ENSA™ LED linkable cabinet light range offers LED energy efficiency in a uniquely versatile, slim package.

Connect multiple lights together, up to 3 strips in a series, Mount flat or at a right angle. The light is ideal for

shelf and cabinet lighting, accent lighting, and strip lighting. Frosted diffuser delivers soft light and

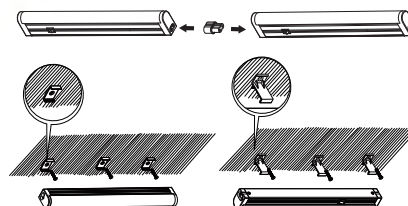
removes LED glare. Available in cool and warm white colour temperatures. Long LED lifespan

up to 10 years (based on 8 hours/day use.) Includes mounting clips, linking kit and 1.8M

AC Power cord (IEC-C7). Equivalent to a 20W Fluoro' or 75W Incandescent.



LED 13.5W  
ENERGY  
SAVING



Colour	Colour Temp	Lumens	Volts	Watt	Beam Angle	Socket	Size	Code
Warm White	3000K	1000Lm	240Vac	13.5W	135°	Standard Power Plug	1170x25x35mm	LED2454-13-30
Cool White	6500K	1100Lm	240Vac	13.5W	135°	Standard Power Plug	1170x25x35mm	LED2454-13-65







## LED FLOOD LIGHT LAMPS IP65 12VDC

EPISTAR 12Vdc LED high brightness floodlight. Compact, IP65. Durable indoor/outdoor lighting with excellent energy efficiency. 4500-5000K Natural White.

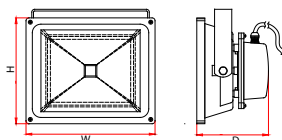
Watt	Current	Lumens	Size	Weight	Code
10W	0.8A	600	86x114x90mm	500g	LED1201-1045
20W	1.8A	1600	140x180x100mm	1000g	LED1201-2045
30W	2.8A	2400	185x225x125mm	2000g	LED1201-3045
50W	4.8A	4000	235x285x145mm	3000g	LED1201-5045



## LED FLOOD LIGHT LAMPS IP65 240VAC

### HIGHLY ENERGY EFFICIENT 10W TO 50W - 240VAC

IP65 highly energy efficient LED flood light. Ultra long life EPISTAR chipset. A great replacement for halogen lamps. Aluminium alloy material with mounting assembly. Special design aluminium reflector improves light uniformity and luminous flux. Safe to use for indoor or outdoor applications, can be positioned at any angle. Suitable for a wide range of applications. 150° beam angle. 240Vac (85 - 260Vac) input voltage. 80cm lead to bare wire ends.



Energy saver

Replaces	Watt	Colour	Colour Temp	Lumens	Size	Case	Weight	Code
40W Halogen	10W	Warm White	2900 - 3200K	500	86x114x90mm	Grey	500g	LED2401-1030GY
40W Halogen	10W	Warm White	2900 - 3200K	500	86x114x90mm	Black	500g	LED2401-1030BK
40W Halogen	10W	Cool White	6000 - 7000K	600	86x114x90mm	Grey	500g	LED2401-1070GY
40W Halogen	10W	Cool White	6000 - 7000K	600	86x114x90mm	Black	500g	LED2401-1070BK
100W Halogen	20W	Warm White	2900 - 3200K	1300	140x180x100mm	Grey	1000g	LED2401-2030GY
100W Halogen	20W	Warm White	2900 - 3200K	1300	140x180x100mm	Black	1000g	LED2401-2030BK
100W Halogen	20W	Cool White	6000 - 7000K	1600	140x180x100mm	Grey	1000g	LED2401-2070GY
100W Halogen	20W	Cool White	6000 - 7000K	1600	140x180x100mm	Black	1000g	LED2401-2070BK
150W Halogen	30W	Warm White	2900 - 3200K	2100	185x225x125mm	Grey	2000g	LED2401-3030GY
150W Halogen	30W	Warm White	2900 - 3200K	2100	185x225x125mm	Black	2000g	LED2401-3030BK
150W Halogen	30W	Cool White	6000 - 7000K	2400	185x225x125mm	Grey	2000g	LED2401-3070GY
150W Halogen	30W	Cool White	6000 - 7000K	2400	185x225x125mm	Black	2000g	LED2401-3070BK
250W Halogen	50W	Warm White	2900 - 3200K	3700	235x285x145mm	Grey	3000g	LED2401-5030GY
250W Halogen	50W	Warm White	2900 - 3200K	3700	235x285x145mm	Black	3000g	LED2401-5030BK
250W Halogen	50W	Cool White	6000 - 7000K	4000	235x285x145mm	Grey	3000g	LED2401-5070GY
250W Halogen	50W	Cool White	6000 - 7000K	4000	235x285x145mm	Black	3000g	LED2401-5070BK





## SLIM OUTDOOR LED FLOODLIGHT 240VAC IP65

### MULTI-LED STYLE 10W TO 100W - 240VAC

The slim IP65 energy efficient LED flood light uses the ultra long life Epistar SMD5730 chipset. Only 27-48mm thick. The case is made with durable diecast aluminium and includes a mounting bracket. The specially made aluminium reflector improves light uniformity and luminous flux. Weatherproof design. Suitable to use for indoor and outdoor applications. Adjustable angle for mounting. 120° beam angle. 240Vac (100-240Vac) input voltage. All flood lights come with a 1 metre power lead with a 3 pin mains power plug.

- IP65 weatherproof protection.
- Ultra long life Epistar SMD5730 chipset.
- Better energy efficiency compared to halogen lamps.
- Diecast aluminium case with adjustable mounting bracket.
- Safe to use for indoor or outdoor applications.
- Wide coverage 120° beam angle.
- 240Vac input voltage.



### COMPACT SINGLE PANEL

Power	Case	Colour	Colour Temp	Lumens	Beam Angle	Size	IP	Code
10W	Black	Cool White	5000K	1000lm	120°	134x94x27mm	IP65	LED2455-1050BK
10W	Grey	Cool White	5000K	1000lm	120°	134x94x27mm	IP65	LED2455-1050GY
10W	White	Cool White	5000K	1000lm	120°	134x94x27mm	IP65	LED2455-1050WH
20W	Black	Cool White	5000K	2000lm	120°	190x135x37mm	IP65	LED2455-2050BK
20W	Grey	Cool White	5000K	2000lm	120°	190x135x37mm	IP65	LED2455-2050GY
20W	White	Cool White	5000K	2000lm	120°	190x135x37mm	IP65	LED2455-2050WH
30W	Black	Cool White	5000K	3000lm	120°	238x168x40mm	IP65	LED2455-3050BK
30W	Grey	Cool White	5000K	3000lm	120°	238x168x40mm	IP65	LED2455-3050GY
30W	White	Cool White	5000K	3000lm	120°	238x168x40mm	IP65	LED2455-3050WH



### LARGE DUAL PANEL

Power	Case	Colour	Colour Temp	Lumens	Beam Angle	Size	IP	Code
50W	Black	Cool White	5000K	5000lm	120°	298x210x45mm	IP65	LED2455-5050BK
50W	Grey	Cool White	5000K	5000lm	120°	298x210x45mm	IP65	LED2455-5050GY
50W	White	Cool White	5000K	5000lm	120°	298x210x45mm	IP65	LED2455-5050WH
100W	Black	Cool White	5000K	10000lm	120°	355x250x48mm	IP65	LED2455-10050BK
100W	Grey	Cool White	5000K	10000lm	120°	355x250x48mm	IP65	LED2455-10050GY
100W	White	Cool White	5000K	10000lm	120°	355x250x48mm	IP65	LED2455-10050WH



## SLIM OUTDOOR LED FLOODLIGHT WITH PIR MOTION SENSOR 240VAC IP65

### IP65 FLOOD LIGHT WITH MOTION DETECT FUNCTION

The slim IP65 energy efficient LED flood light with PIR motion sensor uses the ultra long life Epistar SMD5730 chipset. The PIR function can automatically switch on the flood light when it detects any human body movement, user can adjust the sensitivity, brightness and duration from the unit. Only 27-48mm thick. Durable diecast aluminium case construction with an adjustable mounting bracket. The specially made aluminium reflector improves light uniformity and luminous flux. Weatherproof design. Suitable to use for indoor and outdoor applications. 120° beam angle. 240Vac (100-240Vac) input voltage. All flood lights come with a 1 metre power lead with a 3 pin mains power plug.

- IP65 weatherproof protection.
- Ultra long life Epistar SMD5730 chipset.
- PIR motion detection to switch on the light automatically.
- Better energy efficiency compared to halogen lamps.
- Diecast aluminium case with adjustable mounting bracket.
- Safe to use for indoor or outdoor applications.
- Wide coverage 120° beam angle.
- 240Vac input voltage.



Power	Case	Colour	Colour Temp	Lumens	Beam Angle	Size	Code
10W	Black	Cool White	5000K	1000lm	120°	134x94x27mm	LED2460-1050BK
20W	Black	Cool White	5000K	2000lm	120°	190x135x37mm	LED2460-2050BK
30W	Black	Cool White	5000K	3000lm	120°	238x168x40mm	LED2460-3050BK
50W	Black	Cool White	5000K	5000lm	120°	298x210x45mm	LED2460-5050BK
100W	Black	Cool White	5000K	10000lm	120°	355x250x48mm	LED2460-10050BK







## LED PORTABLE WORKLIGHT IP65 240VAC

### MAINS 240VAC POWERED & PORTABLE

These high performance portable LED flood lights have a powerful and long lasting LED lamp for high brightness and good energy efficiency. Fitted with a metal stand and a soft hand grip allowing you to place it on a surface and tilt to direct the light beam where you need it. Supplied with 1.4M power lead attached.



Voltage	Watt	Colour	Colour Temp	Lumens	Replaces	WxHxDmm	Code
240V AC	10W	Super White	6500-7000K	720Lm	50W Halogen	175x200x175mm	LED2406-1070
240V AC	20W	Super White	6500-7000K	1440Lm	100W Halogen	200x320x230mm	LED2406-2070

## LED PORTABLE WORKLIGHT IP65 RECHARGEABLE

### HIGH POWER ENERGY EFFICIENT LED - WEATHER PROOF

The IP65 highly energy efficient portable rechargeable flood light utilises the ultra long life EPISTAR chipset. The LED floodlight has 4 operational modes (30%, 50%, 100% and flashing). The LED lamp is placed on a durable Aluminium Alloy stand with a padded handle. The flexible stand has a 360 degree swivel, and can be tilted vertically. A great companion for outdoor camping or use at a worksite. 120° beam angle. 12V DC / 100 - 240V AC. Car charger and AC charger are included with this great package.

#### 10W FLOODLIGHT 175x175x170mm 1Kg

Colour	Colour Temp	Lumens	Code
Warm White	2700-3200K	900Lm	LED2403-1030YL
Cool White	6000-7000K	900Lm	LED2403-1070YL

#### 20W FLOODLIGHT 210x200x240mm 2.2Kg

Colour	Colour Temp	Lumens	Code
Warm White	2700-3200K	1800Lm	LED2403-2030YL
Cool White	6000-7000K	1800Lm	LED2403-2070YL



- 100% mode can be used for about 4 hours
- 50% mode can be used for up to 7 hours
- Flashing and 30% mode can operate up to 12 hours

## LED PORTABLE WORKLIGHT IP44 RECHARGEABLE

### SUPPLIED WITH BUILT-IN Li-ION RECHARGEABLE BATTERY

This portable LED work light is a handy tool, easy to carry around. It includes a super bright and long lasting LED light in a IP44 splash resistant aluminium housing. Fully portable with a built in rechargeable 3600mAh Lithium-Ion battery that can last for up to 4 hours. Adjustable metal stand allows you to rotate the lamp to get the lights angle where you want it for your application. Energy efficient, light and portable, it is ideal to use as a outdoor work light, camping light, or to store it in your car for an emergency situation. Includes 8.5Vdc Mains Charger Power Pack.



Voltage	Watt	Colour	Colour Temp	Lumens	Replaces	WxHxDmm	Code
8.5V DC	10W	Super White	5700-6300K	900Lm	60W Halogen	145x165x240mm	LED2407-1070

## FLOODLIGHT TRIPOD

This foldable flood light tripod allows the mounting of a floodlight to the tripod or 2 floodlights by using the supplied T-bar. Light and compact to store. Great for providing outdoor lighting to worksite, camping, auto repairs, etc. The mounted lamp can rotate 360° for easy adjustment to the direction of the lamp. Adjustable height. Maximum height: 1.5 Metres.

Code  
TRP-01

Collapsed Length: 0.7 Metres



Compatible with both 12V and 240V model flood lights



Mountable  
floodlights  
not included







## LED STRIP LIGHT RGB FULL COLOUR 5M

### FULL COLOUR SPECTRUM LIGHTING 10mm

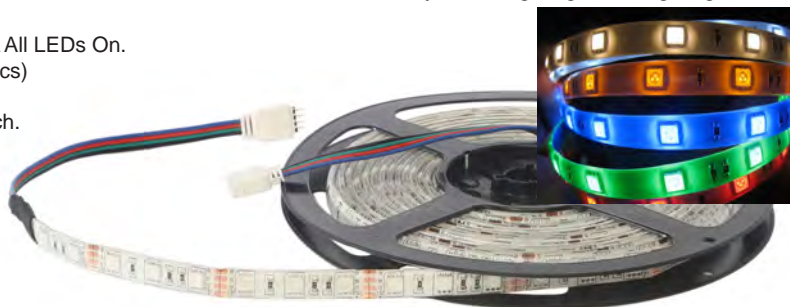
Tri-colour 5050 SMD LEDs in Red/Green/Blue for full spectrum colour, including white, lighting effects when used with the IR Controller box. Other powering solutions may be compatible. 4 Pins are RGB and 12Vdc Common. Excellent for holiday effects lighting, mood lighting, etc.

- Weather resistant IP65. Adhesive back 3M Brand
- Clear silicone strip 10x2.2mm. Total Length 5 Metres. 3A All LEDs On.
- Can be cut into 50mm lengths. Three colour LED (x300pcs)
- 60 Tri-LEDs per Metre 600mA. Four wires to P5050RGB
- Red, Green, Blue, Common, 12Vdc @ 200mA per M each.

Length	Lumens	Colour	Code
5M	450 lm p/m	RGB	SMD5050RGB



Strip Only.  
Requires  
Controller  
and Power



### 4 WIRE STRIP CONNECTORS

Description	Code
Strip End Socket to 4 wires [BRGBk*]	P5051RGB
4 Pin Strip End Socket to Socket	J5050RGB
4 Pin Plug to 4 Wires 15cm	P5051RGB
12V 3A to power LEDs upto <10M	SMP3000-12R
AC Lead as required by SMP3000-12R	ACL104-18

P5051RGB

P5050RGB



\*Note: P5050RGB is polarised. Suits 1 end only. Reverse connectors for other end. [BkGRB]

### COLOUR CONTROLLER

Direct 16 colour select for static lighting including white.  
Or four modes of colour effects: Flash, Strobe, Fade, Smooth.  
On/Off and brightness control. Include IR Remote control and receiver box.  
Max output is 2A per channel for up to 10M of SMD5050RGB.

Description	Code
IR Remote and Controller box for SMD5050RGB	RGB-CONT



Requires 12V Regulated supply

## LED STRIP LIGHT 5050 COLOUR 5M

### FLEXIBLE RIBBON WITH ADHESIVE BACK IP65 - 10mm

5 metres of Super Bright 5050 SMD LED strip with 60 LEDs per metre. Flexible ribbon is extremely versatile and suitable for automotive or interior decor lighting. It can be cut and rejoined every 50mm along its length allowing it to be custom cut to virtually any size and application. Hallways, stairs, ceiling recess, cabinets, shop fitting, automotive interior/exterior, etc.

- Weather resistant IP65 Adhesive back 3M Brand
- Clear silicone strip 10x2.8mm Total Length 5 Metres
- Can be cut into 50mm lengths with 3 LEDs each.
- Per Metre: 720 Lumens/M, 500mA/M, 60 LEDs
- Terminates to two wires. 12Vdc @ 2.5A Total 5M

Colour	Lumens	Code
Cool White	720 lm p/m	SMD5050CW
Warm White	720 lm p/m	SMD5050WW
Green	660 lm p/m	SMD5050GN
Red	280 lm p/m	SMD5050RD
Yellow	220 lm p/m	SMD5050YL
Blue	220 lm p/m	SMD5050BU



## LED STRIP LIGHT 3528 COLOUR 5M

### FLEXIBLE RIBBON WITH ADHESIVE BACK IP65 - 8mm

5 metre 3528 SMD LED strip with 300 LEDs. Flexible ribbon is extremely versatile and suitable for automotive or interior decor lighting. Evenly spaced spot lighting along its length provides a continuous linear light form. It can be cut and rejoined every 50mm along its length allowing it to be custom cut to virtually any size and application.

- Weather resistant IP65 Adhesive back 3M Brand
- Clear silicone strip 8x2.8mm Total Length 5 Metres
- Can be cut into 50mm lengths with 3 LEDs each.
- Per Metre: 270 Lumens/M, 330mA/M, 60 LEDs
- Terminates to two wires. 12Vdc @ 1.6A Total 5M

Colour	Lumens	Code
Cool White	270 lm p/m	SMD3528CW
Warm White	270 lm p/m	SMD3528WW
Green	240 lm p/m	SMD3528GN
Red	70 lm p/m	SMD3528RD
Yellow	70 lm p/m	SMD3528YL
Blue	70 lm p/m	SMD3528BU



Water resistant silicon protective surface





## LED LIGHT STRIP 2835 WHITE 5M

### WITH WATER RESISTANT SILICON COVER 8mm

5 metre LED strip using the highly efficient super bright SMD2835 LED. The silicon surface gel cover provides an impressive IP65 level of water protection, and will never turn yellow or rigid. It operates with stable and safe 12 volts. 3M adhesive back. The strip can be cut and re-soldered every 3 LEDs (62.5mm) for different length requirements.

CE, ROHS and UL certified. IP65. 8mm wide. 2mm high.

- High brightness high density compact light solution
- 48 LEDs Per Metre: 980 Lumens/M, 11.5W/M
- Can be cut into 62.5mm lengths with 3 LEDs each
- 5M strip (450 LEDs) can be powered by 12Vdc 2.5A
- Version is gel covered for weather proofing (IP65)

Colour	Cool White	White
Lumens	980Lm/M	980Lm/M
Power	11.5W/M	11.5W/M
Voltage	12V DC	12V DC
Length	5 Metres	5 Metres
Beam Angle	120°	120°
IP	IP65	IP65
Code	SE48F-CW	SE48F-W



Water resistant silicon protective surface

## LED LIGHT STRIP 3528 WHITE 5M

### ADHESIVE BACK ULTRA-FLEXIBLE 5mm

5 metre LED strip using the high brightness, energy efficient and cost effective SMD3528 LED. The unique hollowed out strip design can be 360° bent making it suitable on projects with many corners, sharp bends. Ideal for small letter box illumination, etc. Easy to arrange and durable, so the strip can be bent over many times without affecting its performance. 3M adhesive back. The strip can be cut and re-soldered every 3 LEDs (33mm) for different length requirements.

CE, ROHS and UL certified. IP33. Width 5mm. Height 2.4mm.

- High brightness high density compact light solution
- 90 LEDs Per Metre: 560 Lumens/M, 6.5W/M
- Can be cut into 33mm lengths with 3 LEDs each
- 5M strip (450 LEDs) can be powered by 12Vdc 1.5A
- Version not gel covered for maximum flexibility (IP33)

Colour	Cool White	White
Lumens	560Lm/M	560Lm/M
Power	6.5W/M	6.5W/M
Voltage	12V DC	12V DC
Length	5 Metres	5 Metres
Beam Angle	120°	120°
IP Rating	IP33	IP33
Code	SK90G-CW	SK90G-W



Hollowed out strip points for maximum bending  
Cut & Re-Solder points every 33mm

## 12V DC POWER

### OPTIONAL MAINS ADAPTOR SOLUTIONS

2.1mm DC Plug - Requires DC Adaptor for bare wire connection (or simply cut off the plug).

Current	Code
1500mA	SMP1500-12-21P
2500mA	SMP12V-2.5A-21R
5000mA	SMP12V5A-21P
10A	SMP12V10A-25P



### DC CONNECTOR

Screw terminal adaptor for 2.1mm power plug

Code
AD-DCJ21



## FLAT STRIP CONNECTORS

### CONNECTORS 8mm (5mm Contacts)

Description	Code
Strip End Connectors	J3528
End to Bare Wire*	P3528

\*Note: P3528 is polarised. Suits 1 end only.  
Reverse connectors for other end as labelled.

### CONNECTORS FOR 10mm (5mm Contacts)

Description	Code
Strip End Connectors	J5050
End to Bare Wire*	P5050

\*Note: P5050 is polarised. Suits 1 end only.  
Reverse connectors for other end as labelled.



P3528  
P5050



J3528  
J5050





# Power & Lighting

## □ LED Strips

### 5050 SUPER BRIGHT LED - WIDE

- Super bright SMD5050 LED, cool white.
- High light efficiency of over 80Lm/W (110Lm/1.32W)
- With Aluminium PCB for heat dissipation. 3M adhesive back
- Optical lens wide beam angle of 160° to spread the light evenly.
- CE, RoHS and UL certified. Connect up to 20 pieces serially.
- Suitable for automotive, interior decor lighting, sign boxes, etc.

Colour	Cool White
Colour Temp	5500-6500K
Lumens	110Lm
Power	1.32W
Voltage	12V DC
Beam Angle	160°
IP Rating	IP65
Size	38x22x6mm
Type	5050 LED
Code	LED381-CW



### 5730 SUPER BRIGHT LED STRIP

- Using 3x super bright SMD5730LED, cool white. 18mm wide.
- With beam angle of 160 degree to spread the light evenly.
- Reliably sealed, IP65 water and dust proof and resistance to impact.
- CE, RoHS and UL certified.
- Suitable for automotive, interior decor lighting, sign boxes, etc.

Colour	Cool White
Colour Temp	5500-6500K
Lumens	110Lm
Power	1.32W
Voltage	12V DC
Beam Angle	160°
IP Rating	IP65
Size	80x18x5.8mm
Type	5730 LED
Code	LED803-CW



### 5050 SUPER BRIGHT LED - NARROW BEAM

- Super bright SMD5050 LED, cool white, 85Lm/W
- Heatsinked for improved heat dissipation and longer lifespan.
- Well sealed, anti-dust, IP65 waterproofing and anti-shock.
- Adopting the 15° x 45° optical lens to create an elliptical light throw that maximises light output for broad side to side coverage.
- CE, RoHS and UL certified.

Colour	Cool White
Colour Temp	8000-10000K
Lumens	230Lm
Power	2.7W
Voltage	12V DC
Beam Angle	15° x 45°
IP Rating	IP65
Size	60x40x17.6mm
Type	5050 LED
Code	LED601-CW



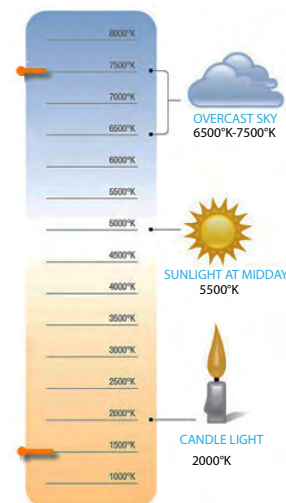
## □ LED Colour Chart

### LED LIGHTING GUIDE

Colour depends on your personal taste and the area that will be illuminated. Colour is often represented by temperature in Kelvin. A low temperature of 2100 K indicates warm colours like yellow, while high temperature of 5100K indicates cold colours like blue. Most people prefer warm colours for indoor and cold colors for outdoors.

### BEAM ANGLE

To focus light on small areas, an LED bulb with narrow beam angle of 15 to 30 degrees is suitable. To lighten up wide areas with subtle lighting, then choose an LED bulb with a wide beam angle of greater than 45 degrees as it spreads the light over a larger area.



### 5M SMD LED MULTI-COLOUR LIGHTING STRIP

5M Flexible RGB SMD LED strip lighting with easy to install adhesive backing clear coating protection and flexible strips Remote controlled multi-colour functionality Dimmer and brightness control Light transitions (Flash, Strobe, Fade, Smooth) Lifespan 40,000 hours 30 LEDs per metre Can be cut to shorter lengths, corners, etc. Includes 240VAC plug pack 12Vdc 10mm width, 3mm height, 5m length.

Code  
SMD5MC

**Aerpro**  
First Choice



VEHICLE STRIP LIGHTING SEE THE AUTOMOTIVE SECTION 09

## □ LED Light Bars

### LED LIGHT BARS

SEE THE AUTOMOTIVE SECTION 09



SEE THE  
AUTOMOTIVE  
SECTION 09





# Automotive



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## □ CB & Audio Units

## □ Marine Multimedia

### CRYSTAL MARINE MULTIMEDIA PLAYER KIT

#### USB & SD PLAYBACK & FM-AM RADIO PLUS 6.5" SPEAKERS

The impressive marine multimedia player included a stereo multimedia player, a pair of 6.5" 120W salt water resistant speakers and a easy to install splash guard to protect the multimedia player. The multimedia player has an AM/FM tuner plus has MP3/WMA playback functionality. It supports SD card, USB input and AUX input.

- 25W x4 channel single Din multimedia head unit
- Detachable face for theft security and protection
- Front face clear perspex cover for splash resistance
- 2x 6.5" 120W stereo speakers made from salt water resistant materials and UV resistant faceplate
- 4 Ohm, 65Hz - 20kHz, Common ISO Harness Out
- 35mm Mylar Dome Tweeter for HiFi sound
- Full electronic detachable LCD display panel with blue colour backlight and lit rubber buttons
- FM/AM tuner with presets (Requires Antenna)
- 3.5mm Aux-in port for audio input
- Front USB input for charging & MP3/WMA playback
- SD card support (port behind the removable fascia)
- Rear RCA output to an optional power amplifier

Code  
CM8HO2PK



DETACHABLE FACE



MP3 PLAYER (USB STICK & SD CARD NOT INCLUDED)



SPLASH COVER INCLUDED

### MARINE RADIO HOUSING

#### WEATHER RESISTANT

Protects DIN sized units from dust & water, etc.

#### FULL HOUSING

Code  
FP9003

#### FRONT ONLY

Code  
FP9005



RADIO NOT INCLUDED



## □ UHF 477 Crystal CB

### CRYSTAL 80CH UHF CB RADIO - WITH KEYPAD MIC

#### 477MHZ 12V 5W TRANSCEIVER WITH KEYPAD MIC

The NEW professional UHF CB radio is an advanced and reliable CB. This sophisticated unit can receive the new 80 UHF Narrow-Band channels, and has many other excellent features including frequency display and handy keypad remote type microphone with DTMF.

- 5 Watt transmission power
- Large backlit LCD display with adjustable brightness level.
- Durable full aluminium die cast chassis with integrated heat sink.
- 80 Narrow band channels 477MHz UHF (40CH Compatible)
- Programmable sensitivity automatic squelching control
- CTCSS / DCS / 5Tone / 2Tone / DTMF, etc.
- Multifunction hand-held microphone with keypad & mode controls
- Duplex (Range extender) extends the range of communication through local repeater stations from the surrounding areas.
- 12Vdc (24V will need a reducer not included)

Power Code  
5W DB477C



HAND-HELD CB  
See Section 06  
Communication







## CRYSTAL 80CH UHF CB RADIO - MIC CONTROLLER

### 477MHZ 12V 5W TRANSCEIVER WITH FULL FUNCTION MIC

UHF CB Radio with 80CH narrow band channels, all buttons have been located on the hand-piece so the main unit can be stored away. This unit features the new 80 channel UHF Narrowband standard. This new UHF standard is backward compatible with the standard 40CH UHF (Wide-band). Extra-compact unit only 155x112x30mm.

- 5 Watt transmission power
- Large multi-colour display (select from 7 colours)
- Full aluminium die cast heat sink chassis
- 80 Narrow band channels 477MHz UHF (40CH Compatible)
- Automatic squelch control, capable of muting car stereo when receiving
- Duplex (Range extender) extends the range of communication through local repeater stations from the surrounding areas.
- All the controls and an LCD display are on the mic for easy control
- Channel scan function
- Automatic squelch control
- Mute out switch signal
- 12Vdc (24V will need a reducer not included)

Power Code  
5W DB477D



## CRYSTAL 80CH UHF CB RADIO - ULTRA COMPACT

### CRYSTAL BRAND ULTRA COMPACT 12V 5W TRANSCEIVER

Crystal's ultra compact CB radio with 80 narrow band channels can be easily installed in tight spaces. This unit is very compact and simple to use. It features a 7 colour LCD backlit display to show the status and front panel control buttons for configuration. The chassis is heavy duty die cast aluminium for rugged protection and efficient heat dissipation. This CB radio utilises the new 80 channel Narrowband UHF standard and is backward compatible with the standard 40CH UHF (Wide-band). 12Vdc. Ideal for use in cars, 4WDs and caravans.

Power Code  
5W DB477E



## CRYSTAL 80CH UHF CB RADIO - COMPACT

### 477MHZ 12V 5W TRANSCEIVER

The NEW compact 5 Watt UHF CB radio can be easily installed in tight spaces. 12Vdc. Ideal for use in cars, 4WDs and caravans. This high powered unit features the new 80CH UHF Narrow Band. This new UHF standard is backward compatible with the standard 40CH UHF (Wide-band). This unit is very compact and features a large LCD display with changeable backlighting colour allowing the user to see the display clearly. The CB radio has a heavy duty die cast aluminium chassis for rugged protection and efficient heat dissipation. Among other features, this unit has a 12V line output used for muting compatible stereos when receiving a call from another transmitter. The automatic squelch has adjustable sensitivity control to help filter out annoying back-ground noise. Compact 155x112x55mm. 12Vdc. 5W. 477MHz

- New Narrow band channel compatible transceiver
- 80 Channel UHF CB Compact
- Compatible with standard 40CH UHF
- High power 5 Watt transmission
- Large backlit LCD display (7 adjustable colours)
- Full aluminium die cast chassis with integrated heat sink
- Capable of muting the car stereo when receiving signals
- Automatic squelch control
- Channel scanning
- Duplex Range Extender feature:
- Extends the range of communication through local repeater stations from the surrounding areas.
- 13.8Vdc (24V will need a reducer not included)

Power Code  
5W DB477A



HAND-HELD CB  
See Section 06  
Communication







## NAKAMICHI CAR AUDIO



### NAKAMICHI 4" 2 WAY SPEAKERS.

4" 2 Way coax speakers  
4 Ohms  
100Hz - 20KHz  
Rubber Surround  
Peak Power: 350W  
Sold in pairs

Code  
NSE45



### NAKAMICHI 6" 2 WAY SPEAKERS

Superior product design, acoustic quality and performance.  
Combination of both product innovation and advanced technology to produce in-car entertainment system.

Mounting Depth: 49mm  
25Wrms 380Wpeak  
Sens. 89dB 1w/m  
82Hz - 20KHz  
Voice Coil KSV 25.5mm  
Magnet 221g  
Sold in pairs

Code  
NSE66



### NAKAMICHI 6X9" 3 WAY SPEAKERS

Superior product design, acoustic quality and performance.  
Combination of both product innovation and advanced technology to produce in-car entertainment system.

Speaker type 6x9" 3-way  
RMS power 80W  
Peak music power 660W  
Sensitivity (1W/m) 91dB  
Frequency response 45-20K Hz  
Impedance 4 ohms  
Voice coil TSV 38.5mm  
Magnet weight 550g  
Grills Included  
Sold in Pairs

Code  
NSE963



### NAKAMICHI 6.5" COMPONENT SPEAKER

16.5cm Mid-woofers  
2 Way System  
4 Ohms 88dB  
85Hz - 20kHz  
Rubber Surround  
25Wrms each  
Sold in pairs

Code  
NSE6







## NAKAMICHI 6" COMPONENT SPEAKERS

Packed in a wooden ply wood stained Gift box.  
2 inch Planer ribbon tweeter Neodymium.  
X over is 12db with a Zobel compensation resistor and +3 or Odb selector for the tweeter



Watt	100Wrms 300Wmax
R	4 Ohm
Fs	72.4Hz
Sens.	85.9dB
BL	8.405Tm
Qms	5.67
Qes	0.732
Qts	0.648
Vas	4.83L
Code	NSX6

 Nakamichi®



## NAKAMICHI 6" 2 WAY SPEAKERS

Heavy duty poly-prop cone with rubber surround with inbuilt 12dB crossover network and integrated 1" Titanium dome with Silk Edge suspension neodymium magnet.  
Sold in pairs.

Re	3.1 Ohm
Watt	65Wrms 200Wmax
Sens.	87.8dB
Fs	78Hz
Qms	8.488
Qes	0.916
Qts	0.827
Vas	7.5L
Code	NAK62

 Nakamichi®



## NAKAMICHI 12" SUBWOOFER DVC

### PUMP A STEREO AMP INTO THE ONE SUB-WOOFER

Car Audio experience is never complete with the deep rigid bass of a good subwoofer. Enjoy the heart throbbing bass of the Nakamichi subwoofer. Falling asleep on the driver seat is just not possible with this mean beast.

12 inch Dual Voice Coil Subwoofer  
Power (Max) - 3000W  
Power (RMS) - 450W  
Sensitivity - 82dB  
Frequency response - 20Hz-1500Hz  
Nominal impedance - 4ohm + 4ohm

 Nakamichi®

Rms	450W
Max.	3000W
Fs	28Hz
Re	4Ω + 4Ω
SPL	82dB
Fr	20Hz - 1500Hz
Qes	1.2
Qms	10.2
Qts	1.0
Vas	54.1L
Code	SPW3501D







# Nakamichi®

## NAKAMICHI CLASS D CAR AMP 600W X1

### DIGITAL CLASS D - DIGITAL HIGH POWER

High power digital output amplifier offers immense driving force with modern efficiency and on-demand dynamics in audio excellence.

1x 350W RMS @ 4 Ohm  
1 x 600W RMS @ 2 Ohm  
Frequency Response: 32Hz to 320Hz  
Idling current: 1.7A  
Distortion (THD) < 0.2%  
Low Pass Filter : 32Hz-320Hz  
Sub Sonic Filter: 10Hz-100Hz  
Bass Boost: 0dB to 12dB  
Signal to Noise Ratio: > 90dB

Power 1x 600W  
Code NGTD6001



## NAKAMICHI CLASS D CAR AMP 1200W X1

### SUPER HIGH POWER CLASS D DIGITAL SINGLE CHANNEL

Latest in efficient digital amplifier design with audio excellence. Single channel with extreme high power ideally suited to drive NSX series.

1 x 400W RMS @ 4 Ohm  
1 x 800W RMS @ 2 Ohm  
1 x 1200W RMS @ 1 Ohm  
Power Supply Voltage: 9-16 VDC  
Idling current: 1.7A  
Distortion (THD) < 0.2%  
Low Pass Filter : 32Hz-320Hz  
Sub Sonic Filter: 10Hz-100Hz  
Bass Boost: 0dB to 12dB  
Signal to Noise Ratio: > 90dB

Power 1x 1200W  
Code NGTD1200



## NAKAMICHI CLASS AB CAR AMP 60W X2

### ANALOGUE DUAL CHANNEL

Nakamichi has successfully combined both product innovation and advanced technology to produce excellent in-car entertainment.

2-CH Class A/B Amplifier  
2 x 60Wrms at 4Ω  
Peak Power: 250Wmax  
High quality single layer PCB  
High efficient power transformer  
Power supply switching FET  
12dB/Oct Stereo crossover filter  
High/Low/Full range switching  
High quality input terminals  
Power and protect indicators

Power 2x 60W  
Code NGTA602



## NAKAMICHI CLASS AB CAR AMP 60W X4

### ANALOGUE QUAD CHANNEL

Renowned for superior product design, acoustic quality and performance. 4 Channel for split systems or all car system.

4-CH Class A/B Amplifier  
4 x 60Wrms at 4Ω  
450Wmax all CH driven  
Power supply switching FET  
12dB/Oct Stereo crossover filter  
High/Low/Full range switching  
High quality large gauge input and power terminal connector  
Power and protect indicators  
Uniquely designed high efficient power transformer

Power 4x 60W  
Code NGTA704



## NAKAMICHI WIRING KITS

Amp wiring kit for wiring up 2 and 4 channel car Amplifiers with various accessories and parts to make installation easier and faster.  
Power amplifiers from 800 to 2000 Watts (4AWG or 8AWG power cord) using 6 Metres OFC copper power cable. O ring terminated at one end. Modern clear dark blue sheath - no tin on bare copper strand end.  
Inline Mini-ANL fuse holder with a 100A or 200A fuse included.  
0.8 Metres OFC copper Earth (-) cable. O ring terminated at one end. Clear silicone sheath with tinned bare end.  
12 Metres 14AWG speaker cable (To split to two or four channels)  
5 Metres trigger wire (clear blue silicone look) 18 AWG  
1 x 5 Metres RCA stereo cable with right angle connectors at one end  
Includes assorted silicone terminals and accessories. Packaged.

Channel	AWG	Power	Speaker	Code
2 CH	4 AWG	2000W	12 Metres	NAK204
2 CH	8 AWG	800W	12 Metres	NAK208
4 CH	4 AWG	2000W	16 Metres	NAK404
4 CH	8 AWG	800W	16 Metres	NAK408



More Wiring Kits available on the following pages. Aerpro.







## Subwoofers

### TYMPHANY HORIZONTAL SUBWOOFER

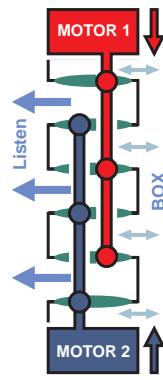
#### SIX 5" WOOFERS IN PARALLEL - EQUIVALENT TO DUAL 10" SUBS

Dual voice coils are 8Ω each. Wire together as 4Ω for Car audio sound. Suit ported box 30L and up. Requires Low-pass crossover up to 500Hz. Super modern design style "Equivalent in power to Two 10" Subwoofers" Champagne Silver, black ends Heavy duty 1.5" voice coils. 6x masts coupled to 6x cones. Power 250Wrms IEC noise test Claimed 750W Long Term. A unique designed solution for the automotive environment that boasts impressive performance too.

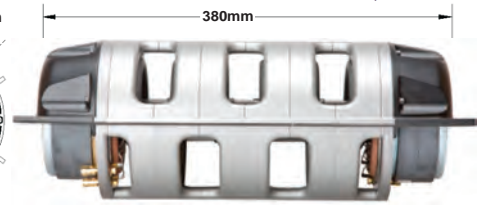
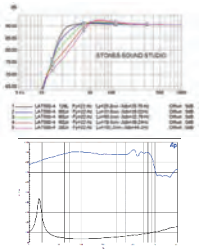
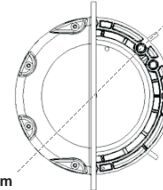
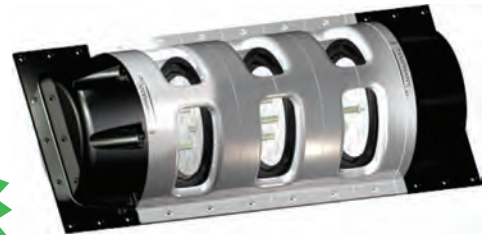
**380x150mmØ**

Specifications are for both voice coils Wired in Parallel:

Zn	4Ω (//8Ω x2)	8Ω (//16Ω x2)
Zo	46Ω	140Ω
Re	3.1Ω	8.1Ω
Le	1.5mH	4.0mH
Fs	28Hz	28Hz
VC	38mm	38mm
Sd	525cm <sup>2</sup>	525cm <sup>2</sup>
Qms	9	9
Qes	0.5	0.4
Qts	0.45	0.40
Vas	81L	81L
SPL	92dB	89dB
Code	LAT500-4	LAT500-8



**Compact  
Unobtrusive  
Unique**



### PEERLESS XXLS 12" XPANDED-XTRA-LONG-STROKE ALUMINIUM CONE 4Ω (2.6Ω)

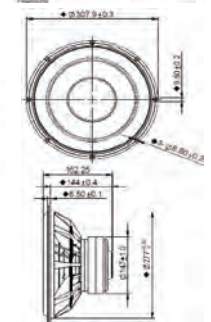
This series of state-of-the-art subwoofers continues to enhance Peerless's reputation for delivering the highest quality components for bass. Called the XXLS—for "Xpanded Extra Long Stroke"—these audio transducers add even more excursion to the Peerless XLS line while completely eliminating distortion. The XXLS line features a strong yet attractive cast frame, reinforced aluminium cone, flat spider, and generous under-spider venting. The magnet system incorporates multiple distortion-cancelling fixtures.

Impedance	4Ω (Re 2.6Ω)
Power	350Wrms
Sens.	90.6dB
Fs	19.4Hz
Qms	7.8
Qes	0.36
Qts	0.34
Vas	169L
Code	835017

**AUDIOPHILE  
QUALITY  
SUBWOOFER**

**DOUBLE  
MAGNET**

**ALUMINIUM CONE BLACK**

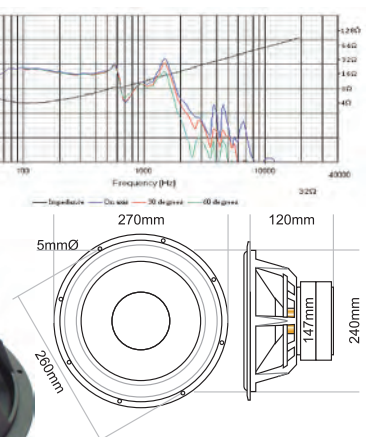


### PEERLESS XXLS 10" XPANDED-XTRA-LONG-STROKE 4Ω

The new range of Xpanded Extra Long Stroke (XXLS) subwoofers from Peerless has pushed the performance limits for subwoofers again. XXLS have unexcelled long exertion performance with very low distortion. Mechanically robust, yet highly efficient, low Fs and low Qt. Suitable for small vented boxes. Optimised for passive-radiator cabinets.

Impedance	8Ω (Re 3.9Ω)
Power	350Wrms
Sens.	88.4dB
Fs	19.2Hz
Coil	51mm
Qms	8.74
Qes	0.19
Qts	0.19
Vas	88.4L
Code	830842

**More HiFi  
Speakers See  
Section 03 Audio  
Components**



Physical measurements taken from actual stock.  
Please allow for measurement tolerances. [Approx. < 1%]  
It is recommended that you acquire actual stock before drilling any holes!  
See [www.wescomponents.com/peerless](http://www.wescomponents.com/peerless) or [www.peerless.de](http://www.peerless.de) for more data.





## TARGA AUTOSOUND CAR SUB-WOOFERS

### LOOK! CAST IRON FRAME AT STEEL-STAMPED PRICES!

High performance heavy-duty paper cone with a poly dust cap.  
Butyl rubber roll surround and oversized spider for extra cone travel.  
Solid die cast alloy basket frame. Gold-plated 4mm binding posts.  
Silver framed over-sized magnet. Long-throw high-power voice coil.  
Centre-core ventilated system. Premium build quality for automotive or home audio subwoofer applications. Suitable for sealed or vented boxes. Recommended box volumes are minimum only. Larger cabinets will give better bass. Daichi. Reliable quality & High power. Excellent sound for your dollar option.

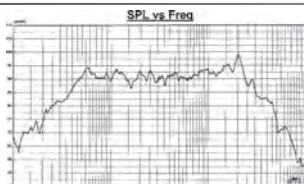


HIGH POWER  
LONG THROW  
EXTRA TOUGH  
SUPER PRICE!

# TARGA AUTOSOUND

### 10" X-100i

Size	10"
Power	150Wrms 300Wmax
Impedance	4 Ohm
Res.	56.23Hz
Sens.	89dB
Mag.	140x20mm (38oz.)
Qts	0.88
Box	0.8f³ min.
Code	X100SVC



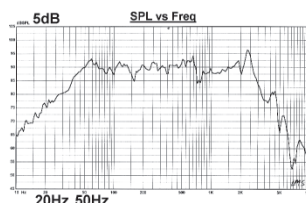
# TARGA AUTOSOUND

10"

Hole-Cut = 230mm  
Mounting Holes = 243  
Depth = 138mm

### 12" X-120i

Size	12"
Power	200Wrms, 400Wmax
Impedance	4 Ohm
Res.	68.41Hz
Sens.	90dB
Mag.	156x20mm
Qts	1.003
Box	1.0f³ min.
Code	X120SVC



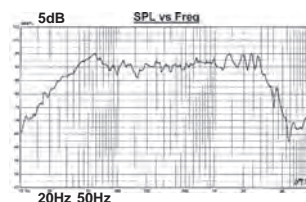
# TARGA AUTOSOUND

12"

Hole-Cut = 285mm  
Mounting Holes = 300mm  
Depth = 153mm

### 15" X-150i

Size	15"
Power	250Wrms, 500Wmax
Impedance	4 Ohm
Res.	29.5Hz
Sens.	90dB
Mag.	156x20mm
Qts	1.339
Box	1.4f³ min.
Code	X150SVC



# TARGA AUTOSOUND

Hole-Cut = 360mm  
Mounting Holes = 372mm  
Depth = 175mm





## 8" SUBWOOFER - SUPER RESOLUTION SERIES DAICHI

### ALLOY FRAME & HIGH POWER 4 OHM

Super-strong Aluminium basket Optimised doped paper pulp cone  
Santropene rubber surround 32mm Aluminium voice coil Open voice  
coil low compression Ventilated & extended pole piece.

Size	8" 210mmØ	8" 210mmØ
Re	3.80Ω	7.60Ω
Fs	43.0Hz	43.0Hz
SPL	87.5dB	87.5dB
Power	70Wrms/140Wmax	70Wrms/140Wmax
Qms	2.551	2.551
Qes	0.673	0.673
Vas	31.01L	31.01L
Code	W8S-50	W8S-52



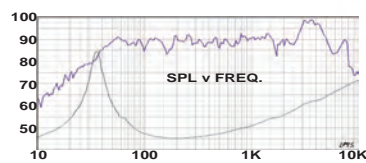
## 8" SUBWOOFER - CYCLONE

### DOPED CONE 200mm

Treated pulp cone for extended low frequency without cone breakup.  
2" Aluminium voice coil. Strontium magnet. 80Wrms. Steel Framed.

Z	4Ω (3.9Ω)
Freq.	36 - 8KHz (±3dB)
Fo	36Hz
Sens.	88dB
Mag.	110mm 20 Oz
Power	160W max.
Qms	5.45
Qes	0.59
Qts	0.53
Vas	46.1L
Code	CS80

Hole Ø	185mm
Outer Ø	205mm
Mag. Ø	110mm
Depth	90mm



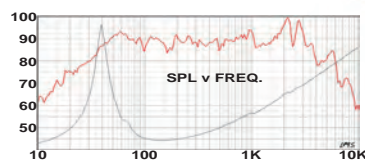
## 10" SUBWOOFER - CYCLONE

### DOPED CONE 260mm

Treated pulp cone for extended low frequency without cone breakup.  
1.5" Aluminium voice coil. Strontium magnet. 100Wrms.

Z	4Ω (4.0Ω)
Freq.	35 - 6KHz (±3dB)
Fo	34.8Hz
Sens.	89dB
Mag.	140mm 40 Oz
Power	200W max.
Qms	5.07
Qes	0.47
Qts	0.43
Vas	74.9L
Code	CS100

Hole Ø	235mm
Outer Ø	260mm
Mag. Ø	140mm
Depth	107mm



## 12" SUBWOOFER - CYCLONE

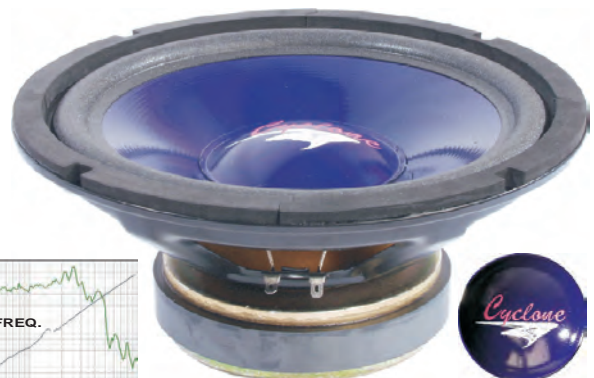
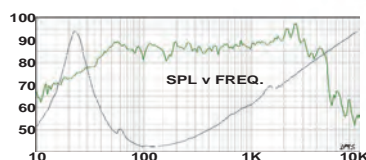
### DOPED CONE 300mm

Poly' doped cone for extended low frequency without cone breakup.  
2" Aluminium voice coil. Strontium magnet. 150Wrms.

Z	4Ω (4.7Ω)
Freq.	25 - 5KHz (±3dB)
Fo	25.0Hz
Sens.	91dB
Mag.	155mm 50 Oz
Power	300W max.
Qms	5.46
Qes	0.35
Qts	0.33
Vas	202.7L
Code	CS120

More HiFi  
Speakers See  
Section 03 Audio  
Speakers & PA

Hole Ø	270mm
Outer Ø	300mm
Mag. Ø	155mm
Depth	125mm







## □ Dual Cone

### 4" DUAL CONE CAR SPEAKER

Impedance	4Ω
Power	40Wp-p
Mount	115mm
Diam.	100mm
Height	42mm
Code	DC4-40



#### SOLD IN SINGLES

200g magnet Cloth surround  
Two required for stereo  
Whizzer cone extends high frequency sound



### 5" DUAL CONE CAR SPEAKER

Impedance	4Ω
Power	40W
Mount	140mm
Diam.	135mm
Height	55mm
Code	DC525-40



#### SOLD IN SINGLES

Two required for stereo  
Whizzer cone extends high frequency sound



### 4x6" DUAL CONE OVAL CAR SPEAKER

Impedance	4Ω
Power	30Wrms
Size	155x105 mm
Height	50mm
Freq.	120Hz-20KHz
Fr	120Hz
Voice	20mmØ
Code	DC46-30



#### SOLD IN SINGLES

Two required for stereo  
Whizzer cone extends high frequency sound



### 5x7" DUAL CONE OVAL CAR SPEAKER

Impedance	4Ω
Power	40Wp-p
Size	185x130 mm
Height	60mm
Code	DC57-40



#### SOLD IN SINGLES

More HiFi  
Speakers See  
Section 03 Audio  
Speakers & PA



## □ Marine

### MARINE RADIO HOUSING

#### WEATHER RESISTANT

Suits DIN sized units giving full protection from dust & water, etc. Marine white in colour  
Sealed rear cabling Sealed front flip lid UV protection lens  
Suit boats & RVs, etc.

#### FULL HOUSING

Front & Back

Code  
FP9003

#### FRONT ONLY

Code  
FP9005



### MARINE SPEAKER 7"

White Salt-water resistant.  
One piece construction.  
Polypropylene driver.  
180mm diameter. 75W max power. 4Ω. 5M cable included. Suit communications Or buy two for audio Premium grade from Benelec.

Code  
MSPK7

#### SINGLE PIECE



### ACCENTO IP55 SPEAKER BOXES

#### SALT WATER RESISTANT

Quality sound and build for outdoor use. Made from UV resistant plastics. Powder coated metal grille. 2-Way HiFi sound.

Type	Size	Pmax	Colour	Code
5.25"	214x147x135mm	80W	Black	ADS5130B
5.25"	214x147x135mm	80W	White	ADS5130W
6.5"	215x285x177mm	120W	Black	ADS6200B
6.5"	215x285x177mm	120W	White	ADS6200W

MORE  
SECTION  
03



SEALED  
CONNECTORS



accento  
dynamica



### CRYSTAL MARINE MULTIMEDIA PLAYER KIT

#### USB & SD PLAYBACK & FM-AM RADIO PLUS 6.5" SPEAKERS

25W x4 channel single Din multimedia head unit  
Detachable face for theft security and protection  
Front face clear perspex cover for splash resistance  
2x 6.5" 120W stereo speakers made from salt water resistant materials and UV resistant faceplate  
4 Ohm, 65Hz - 20kHz,  
Common ISO Harness Out  
35mm Mylar Dome Tweeter for HiFi sound  
Full electronic detachable LCD display panel with blue colour backlight and lit rubber buttons

Code  
CM8HO2PK

CRYSTAL







## □ Boxed Speakers

### PA HORN SPEAKER 4" 8Ω

Plastic Weather resistant.  
Public Address Horn Speaker.  
8Ω 400-6.5KHz

Z	8Ω
Size	135x120mmØ
Power	10Wmax
Code	PAH3180



### SPEAKER MINI COMMUNICATIONS

Polypropylene speaker

Z	8Ω	4Ω
Lead	1.8M	1.8M
Plug	3.5mm	3.5mm
Size	80x65x60mm	80x65x60mm
Power	3 Watt	3 Watt
Code	SP20	SP21



### SPEAKER COMPACT

Z	8Ω
Lead	1.8M
Plug	Bare End
Size	100x82x59mm
Power	15 Watt
Code	CBXS



### 3" MINI-SPEAKER CUBES

HOME / PATIO / CAR / BOAT

Weather resistant Stereo Pair Compact 90mm<sup>3</sup> box + Bracket 50W peak 76mm Mid-Woofer 8Ω Longlife polypropylene cone Coaxial mounted piezo tweeter Includes bracket for mounting Ideal for trucks, vans, utes, Surround sound, patio, office and other space limited HiFi

White Pair

Code	SA300W per pair
------	-----------------

**studioacoustics**  
Inspired by imagination



**MORE  
SECTION  
03**

### SPEAKER BOX SOLUTIONS

More solutions available:

See Section 03  
Audio Speakers & PA

Accento Dynamica.  
A new premium standard  
in excellent value audio.  
Exceed your expectations.



**accento**  
dynamica  
ALSO IN Line 100V See PA pages...



**MORE  
SECTION  
03**

### SPEAKER RECTANGULAR

With mounting bracket

Z	4Ω
Lead	4.5M
Plug	3.5mm
Size	110x65x55mm
Power	5Wnom
Code	CS8



**BENELEC**

### SPEAKER SQUARE 4Ω

With mounting bracket

Z	4Ω
Lead	1.8M
Plug	3.5mm
Size	125x125x60mm
Power	20Wmax
Code	CS6



**BENELEC**

### SPEAKER SQUARE 8Ω

With mounting bracket

Z	8Ω
Lead	1.8M
Plug	3.5mm
Size	125x125x60mm
Power	20Wmax
Code	CS7



**BENELEC**

### SPEAKER BOX SOLUTIONS

Wedge shaped plastic enclosure speaker box pairs with mounting bracket. Suit Vans, etc. 4Ω



3½" 2way 190x130x110mm 4Ω

Colour	Code
Black	SA500B per pair
White	SA500W per pair

5¼" 2way 240x180x140mm 8Ω

Colour	Code
Black	SA850B per pair
White	SA850W per pair







## □ Speaker Boxes / Enclosures

### 6x9" SPEAKER CABINET

#### SEALED PLASTIC CABINET PAIR

Complete unit pair, just add 6x9" speakers! Put in some big sound for trucks, vans, etc. Quality ABS sealed plastic box 180x190x280mm Screw cable terminals with 4mm banana posts Black. Includes mounting bracket & screws. Wedge shaped for mounting versatility.

QTY	Code
2	APFB69B



### 6" SPEAKER BOX MDF

#### 205x210x230mm with 125mm Hole

Quality, universal, compact, sealed enclosure. Made from MDF Particle board and covered in attractively finished neutral black carpet. Front hole cut to suit 6" drivers (152mm) with a 125mm cut hole. Ideal for temporary installations or where mounting drivers for better sound is not possible. Available with port for full range or without port for use with a subwoofer. Sold in pairs.

QTY	Code
2	SB60A



SPEAKERS NOT INCLUDED  
REQUIRES SPEAKERS

### 6" SPEAKER BOX PORTED

#### TWO TONE CARPETED

Suits 6" - 6½" (152mm - 165mm) Speakers. MDF construction covered in black carpet with grey sides.

QTY	Code
2	PB602



### 6x9" SPEAKER BOX MDF

#### WOODEN CABINETS GIVE A TIMBRAL SOUND

Quality, universal, compact, sealed enclosure Made from MDF Particle board and covered in attractively finished neutral black carpet Front hole cut to suit 6x9" (152x254mm) Outer dimensions 185Hx300Wx200D mm Factory made wooden cabinet filled with acoustic wadding for a warm quality that brings the best from your 6x9" speaker. Attractively wedge shaped matte black. Ideal for temporary installations or where mounting large drivers for big sound is not possible. Sold in pairs.

QTY	Code
2	SB69A



SPEAKERS NOT INCLUDED  
REQUIRES 6x9" SPEAKERS

### 6x9" SPEAKER BOXES PORTED

#### TWO TONE CARPETED

Suits 6" x 9" (152mm x 229mm) speakers. MDF construction covered in black carpet with grey sides. 230mm H x 290mm W x 150mm D

QTY	Code
2	AP-PB69C





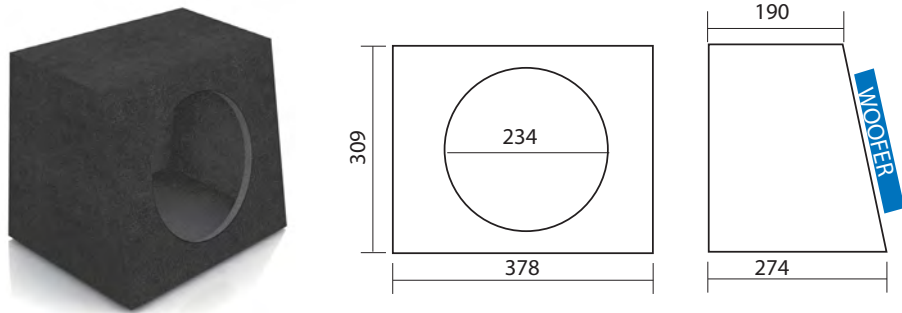


## 10" SUB CABINET FOR CAR

### 10" SUB BOX

Sealed cabinet.  
Carpet covered.

Suit	10"
Volume	20L
Box Size	378x274x309mm
Code	SB10100

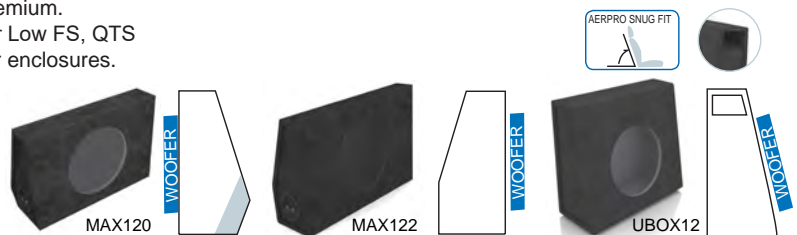


## 12" SUB-WOOFER CABINETS - SLIM

### COMPACT LOW-PROFILE MAX-FLAT

Aerpro 16mm MDF covered in black carpet. Slim design for compact installations like Utes, Pickups, etc. or where space is a premium. Suggested woofers are normal to low profile subs. Look for Low FS, QTS and VAS values as they will perform better in these smaller enclosures.

Suit	12"	12"	12"
Size	556x182x376mm	556x216x376mm	500x174x441mm
Volume	24L	18.6L	24L
Ports	No	Yes	Yes
Code	MAX120	MAX122	UBOX12

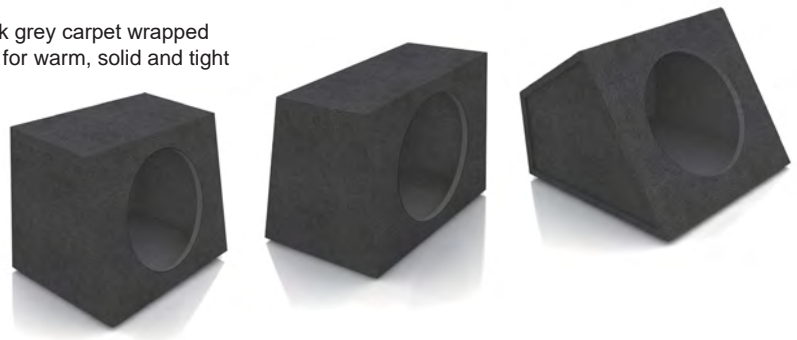


## 12" WEDGE SUB-WOOFER CABINETS

### BLACK CARPET BOX - REQUIRES SUBWOOFER

Single 12" 305mm driver required. Attractively finished in dark grey carpet wrapped around a wedge box design. Quality constructed MDF board for warm, solid and tight bass sound. Internal foam wadding included. Wedge shape for strength and to reduce reverberations, etc. Sealed for simplistic setup, so no port tuning required. Or simply drill a port if required.

Suit	12"	12"	12"
Size	350x460x320mm	350x460x320mm	340x335x435mm
Volume	28L	28L	20L
Code	SB12100	SB12100N	PSB12

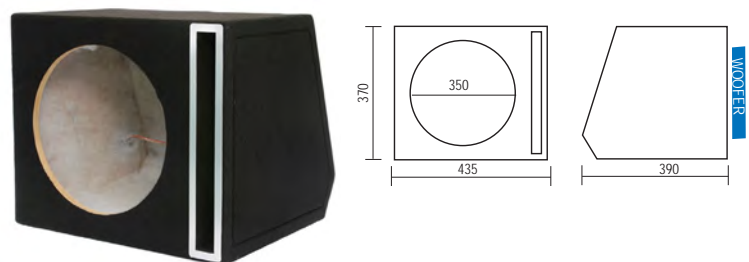


## 12" SUB CABINET LARGE PORTED

### NEW DELUXE 25L ENCLOSURE

MDF Construction covered in Black Carpet.  
Supplied with 45cm speaker cable fitted to round terminal board with gold binding posts.  
Tuning Frequency 50Hz. Maximum Mounting depth of subwoofer : 270mm.

Suit	12"
Size	370x435x390mm
Volume	41L
Code	SPB12

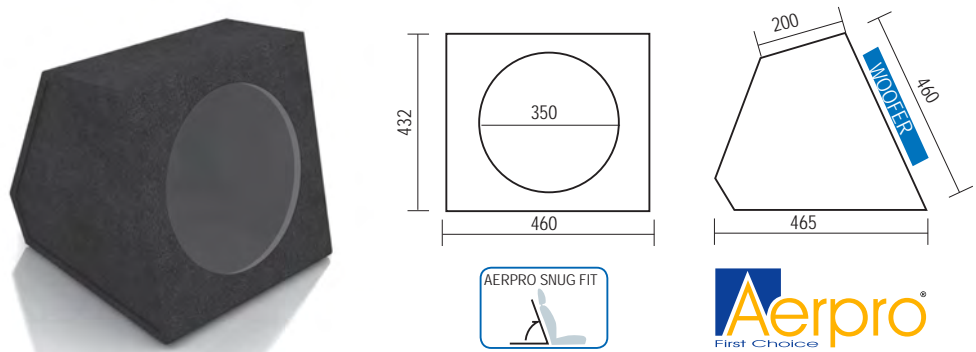


## 15" SUB CABINET FOR CAR

### 15" SUB BOX SNUG FIT 70°

Black carpet covered sealed cabinet. Features our Snug fit 70Deg front baffle and Snug fit rear face. This box will fit snug up to most back seats without wasted space regardless of which way you face the box.

Suit	15"
Volume	50L
Box Size	460x465x432mm
Code	PSB15







## SPEAKER SPACERS MDF

Pre-drilled Medium Density Fibreboard Pairs  
Allows speakers to clear objects behind them

### 16mm THICK SPEAKER SPACERS UNPAINTED

Size	I/D	O/D	Code	
4"	110mm	140mm	AP314	Pair
6½"	165mm	180mm	AP3161	Pair
6x9"	228x152mm	285x187mm	AP3181	Pair
6x9" 7x10"	158x230mm	200x268mm	AP3191	Pair



### 16mm THICK SPEAKER SPACERS BLACK PAINTED

Size	I/D	O/D	Code	
5-6"	152mm	160mm	AP3151B	Pair
6½"	165mm	180mm	AP3161B	Pair
6x9"	228x152mm	285x187mm	AP3181B	Pair
6x9"	178x254mm	272x202mm	AP3191B	Pair



## SPEAKER SPACERS CARPETED

### 25mm THICK MDF

Pre-drilled Sold in pairs Medium Density Fibreboard  
Pre-wrapped in grey or black interior carpet. 25mm.

#### GREY CARPET

Size	I/D	Code	
6"	152mmØ	AP3061C	Pair
6½"	165mmØ	AP3062C	Pair
6x9"	152x228mmØ	AP3081C	Pair

#### BLACK CARPET

Size	I/D	Code	
6"	152mmØ	AP3161C	Pair
6½"	165mmØ	AP3162C	Pair
6x9"	152x228mmØ	AP3181C	Pair



## SPEAKER SPACERS ABS PLASTIC

### 6" ROUND

Colour	Description	Code	
Black	132mmØID 164mmØOD 25mm(H)	AP316	Pair

### 6" TILTED

Colour	Description	Code	
Black	152mmØID 164mmØOD 25/12mm(H)	AP3166	Pair

### 6x9" SQUARE

Colour	Description	Code	
Black	154x222mm 186x260mm 38mm(H)	AP318	Pair

### 6x9" ROUND TILTED

Colour	Description	Code	
Black	157x225mm 172x248mm 78/38mm(H)	AP317	Pair



## 6X9" SOLUTIONS

### 6x9" UNIVERSAL ADAPTOR PLATES

These plates allow you to replace existing 6x9" speakers with smaller 6½"/5¼" speakers  
Upgrade to components. Location for tweeter.  
Black plastic. Sold in pairs.

Code	
AP6901	Pair

### 6x9" REAR SPEAKER BAFFLE

For protecting or baffling 6x9" speakers Ideal for hatchbacks, etc. where the rear of the 6x9" speaker is exposed to dust or where poor bass results from no baffling. Add a rear speaker cabinet to tighten bass. Black plastic. Sold in pairs.

Code	
AP6900	Pair







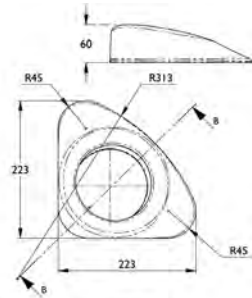
## □ Speaker Spacers

### 6" VINYL FIBREGLASS SPACERS

#### 152mm MOUNT PAIR 60mm

Professional install Soft corner advanced style with modern look Reinforced fibreglass Acoustic design housing Sturdy MDF Base panel Base measures 225x225mm Height tilt angle 60mm Parcel shelf add-on or upgrade your door panels. Sold in pairs.

Colour	Code
Black	APF60BL pair
Grey	APF60GR pair
Carbon Fibre	APF60CF pair

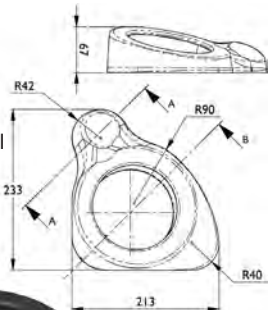


### 6" VINYL FIBREGLASS SPACERS

#### 152mm COMPONENT SYSTEM

Professional install Soft corner advanced style with modern look Reinforced fibreglass Acoustic design housing Sturdy MDF Base panel Base measures 235x215mm Height tilt angle 67mm Parcel shelf add-on or upgrade your door panels. Sold in pairs.

Colour	Code
Black	APF62BL pair
Grey	APF62GR pair
Carbon Fibre	APF62CF pair



### 6-6½" MOULDED PLASTIC SPACERS

#### 150-170mm MOUNT PAIR 100mm

Reinforced ABS plastic Acoustic design housing Rubberised coated finish Dark grey black colour Sturdy MDF Base panel Base measures 185x220mm Supplied with 6" & 6½" adaptor mounting rings Height angle 100mm to 50mm Easy parcel shelf add-on. Sold in pairs.

Code
APS620RG pair



### 5x7" CONVERT TO 6"

#### INSTALL 6" SPEAKERS

1 Pair MDF 5" x 7" Adaptor plates to suit BA & BF Falcon, etc. Converts rare 5"x7" to 6"

Code
APF57S pair

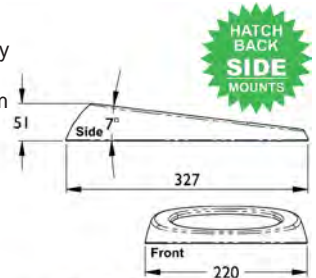


### 6X9" VINYL FIBREGLASS SPACERS

#### 152x229mm MOUNT PAIR 78mm

Long-ways for N/S mount Reinforced fibreglass injected vinyl spacers Sturdy MDF Base panel Base measures 320x230mm Height tilt 21mm to 51mm Suits ledges in hatchbacks near the C pillar or other tight places for bigger sound without cutting bigger holes! Sold in pairs. Box packaged.

Colour	Code
BLACK	APF69LBL pair
GREY	APF69LGR pair

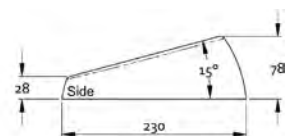


### 6X9" VINYL FIBREGLASS SPACERS

#### 152x229mm MOUNT PAIR 51mm

Professional install Soft corner advanced style with modern look Reinforced fibreglass Acoustic design housing Sturdy MDF Base panel Base measures 320x230mm Height tilt 28mm to 78mm Parcel shelf add-ons Don't cut bigger holes! Sold in pairs.

Colour	Code
BLACK	APF69HBL pair
GREY	APF69HGR pair

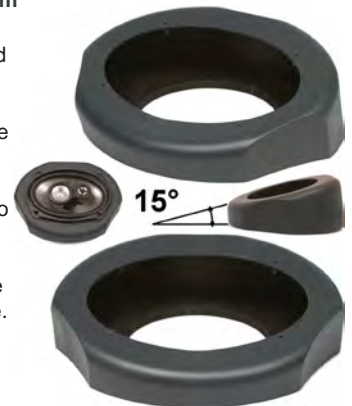


### 6x9" MOULDED PLASTIC SPACERS

#### 150x230mm MOUNT PAIR 100mm

Reinforced ABS plastic Acoustic design housing Rubberised coated finish Dark grey black colour Sturdy MDF Base panel Base measures 75x250mm Height angle 100 to 50mm. Excellent solution for easy upgrading smaller 6½" size parcel shelf speakers since no modification holes need be drilled for bigger sound! Low profile as the new 6x9" magnets fit down the replaced 6" speakers existing hole.

Code
APS690SG pair



### GASKET TAPE 3MM

3mm thick Sticky one sided tape. Black foam compressible conforms to irregular shapes and contours. Excellent acoustic barrier suits speaker mounting for a good airtight seal from speaker rim to panel.

Width x Length	Code
9mm x 1M	GT7100
9mm x 2M	APT3092
12mm x 2M	APT3122
18mm x 2M	APT3182
9mm x 25M	APT6351
12mm x 25M	APT6352
18mm x 25M	APT6353







## □ Speaker Grilles

### VT-VY 6X9" SPEAKER GRILLES

#### REPLACEMENT 152x228mm

6x9 Speaker grilles used to replace the original grilles when removing factory fitted speakers.

Packed in hang sell, full colour box.

#### Colour Code

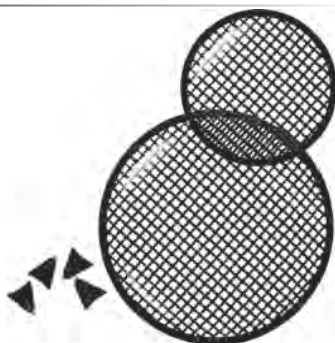
Grey	VTVY96	pair
Black	VTVY96B	pair



### SPEAKER GRILLES

Single piece grille pressed from steel. Rubber grommet outer Strong construction protects speakers outer screw clamps Suit PA, Subs, etc.

Size	Ø	Code
8"	202mm	MG80
10"	254mm	MG100
12"	305mm	MG120
15"	382mm	MG150



### SPEAKER GRILLE CLOTH

#### COVERS SPEAKERS, ETC.

High quality, attractive, acoustically transparent grille cloth is ideal for protecting drivers and allowing all of the sound to get through. BLACK. 1500 x 1000mm sheet x1 Black in colour

Code  
SPGC151

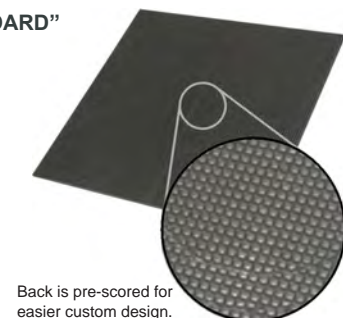


### PLASTIC GRID PLATE

#### DARK GREY ABS "WAFFLE BOARD"

Textured blank dark grey for custom installations ¼" thick ABS premium grade Waffle board is already Pre-scored on the back to easily create holes for 3" 4" 5½" 6½" 6x9" or use for panels, etc.

Size	Code
305x305mm	ABS9030



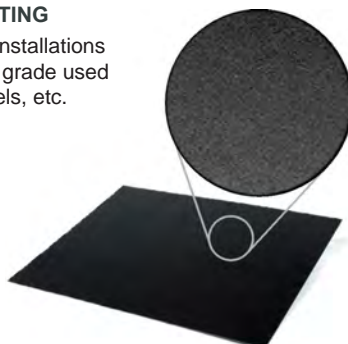
Back is pre-scored for easier custom design.

### PLASTIC BLANKING PLATE

#### BLACK ABS TEXTURED SHEETING

Textured blank black for custom installations ¼" thick (6.35mm) ABS premium grade used for covering holes or use for panels, etc.

Size	Code
432x533mm	ABS9032



## □ Carpets / Cloth / Sound Deadener

### CARPET SPEAKER BOX COVER

"Unbacked" box carpet Unwoven so will not fray Super tough to protect PA Boxes from roadies or Car boot for subs.

#### CHARCOAL 0.75M x 2.0M

Code  
CACH1



#### BLACK 0.75M x 2.0M

Code  
CABK1



### SPEAKER CABINET CORNERS

Protect your speaker cabinets with these quality corners Simply screws over the cabinet. Requires no cutting.

QTY	Size	Code
1	81x57mm	CNR3623



### SOUND DEADENER BUTYL

#### ADHESIVE BACKED

This product is designed to be stuck on the inside of the outer door skins in car installations to deaden resonance and reduce road noise for better stereo! Reduce panel rattles, improve sound for that professional installation.

Also, deaden those noisy speaker cabinets with heavy sound absorbing material. Improves box acoustics for subwoofers. 1.5x330x900mm.

Code  
MAT302



### SOUND DEADENER BUTYL / FOAM

#### ADHESIVE BACKED

Super sound deadener 675x300mm sheet 1.5mm butyl & 3mm foam, adhesive backed.

Code  
MAT675



### BALLISTIC POLY ROLLER

#### BALLISTIC SHEET APPLICATOR

The Ballistic roller is designed by installers for installers. The oversized roller allows you to quickly apply Ballistic sound dampening material onto a large surface. Use the roller to firmly press the Ballistic sound dampening material onto the surface to ensure maximum effectiveness. Width: 50.8mm

Code  
SSRLRL







## □ Ballistic Sound Dampener

### HOLLOW POINT SOUND DAMPER SHEETS

Made of a unique butyl rubber composite with an aluminium constraining layer for vibration damping. Ballistic Hollow Point is developed to deliver incredible performance at entry level price point. The light weight construction allows the material to stick great and work in a variety of applications. 2mm thickness.



### HOLLOW POINT BULK KIT SOUND DAMPER

#### HOLLOW POINT SERIES – PERFORMANCE GRADE

2mm thickness  
Coverage area per sheet: 0.37M<sup>2</sup>  
Supplied 9 sheets

QTY	Size	Code
9 sheets	457x812mm	SDHPBK



### HOLLOW POINT DOOR KIT SOUND DAMPER

2mm thickness  
Coverage area per sheet: 0.19M<sup>2</sup>  
Supplied 6 sheets

QTY	Size	Code
6 sheets	305x609mm	SDHPDK



### HOLLOW POINT TRUCK KIT SOUND DAMPER

2mm thickness  
Coverage area per sheet: 0.19M<sup>2</sup>  
Supplied 10 sheets

QTY	Size	Code
10 sheets	304x609mm	SDHPTK



### HOLLOW POINT WEDGE KIT SOUND DAMPER

2mm thickness  
Coverage area per sheet: 0.19M<sup>2</sup>  
Supplied 2 sheets

QTY	Size	Code
2 sheets	305x609mm	SDHPWEDG



### HOLLOW POINT SPEAKER KIT SOUND DAMPER

2mm thickness  
Coverage area per sheet: 0.077M<sup>2</sup>  
Supplied 2 sheets

QTY	Size	Code
2 sheets	254x304mm	SDHPSK



### EXTRA THICK SOUND DAMPER SHEETS

Made of proprietary butyl rubber composite with an aluminium constraining layer for vibration damping. The Ballistic sound damping material is thicker and has more mass per ft<sup>2</sup> than any other damping product available. New Jet Black Finish with Silver Logo 2.2mm Thickness 0.72 mass per ft<sup>2</sup>



### EXTRA THICK SPEAKER KIT SOUND DAMPER

#### BALLISTIC SERIES - COMPETITION GRADE

2.2mm Thickness  
0.72 mass per ft<sup>2</sup>  
Coverage per sheet 0.06M<sup>2</sup> (x2)

QTY	Size	Code
2 sheets	254x254mm	SSSK



### EXTRA THICK DOOR KIT SOUND DAMPER

2.2mm Thickness  
0.72 mass per ft<sup>2</sup>  
Coverage per sheet 0.28M<sup>2</sup> (x4)

QTY	Size	Code
4 sheets	305x914mm	SSDK



### EXTRA THICK TRUNK KIT SOUND DAMPER

2.2mm Thickness  
0.72 mass per ft<sup>2</sup>  
Coverage per sheet 0.16M<sup>2</sup> (x12)

QTY	Size	Code
12 sheets	381x406mm	SSTKT



### EXTRA THICK BULK KIT SOUND DAMPER

2.2mm Thickness  
0.72 mass per ft<sup>2</sup>  
Coverage per sheet 0.37M<sup>2</sup> (x9)

QTY	Size	Code
9 sheets	457x812mm	SSBK



### EXTRA THICK WEDGE KIT SOUND DAMPER

2.2mm Thickness  
0.72 mass per ft<sup>2</sup>  
Coverage per sheet 0.37M<sup>2</sup> (x1)

QTY	Size	Code
1 sheet	457x813mm	SSWEDGE







## Audio Plugs & Adaptors

### SUBWOOFER X-OVER

Stereo 12dB Low-pass active filter. Compact design for adapting a subwoofer to your system. Gold plated RCA I/O. Adjustable output levels 80/125/250Hz LP switch  
S/N 100dB  
THD 0.02%  
Base 65x90(x28H)mm

Code  
AX100



### TERMINAL PANEL

#### ROUND

Easy mount flush solution Drops into a 76mm 3" Hole Gold-Plated screw terminals Accepts large gauge cable and 4mm banana plugs. Each.

Code  
J705



### TERMINAL PANEL

#### SQUARE

Jig-saw hole flush solution Drops into a 72x60mm Hole Gold-Plated screw terminals Accepts large gauge cable and 4mm banana plugs. Each.

Code  
J707



### TERMINAL PANEL

#### BI-TERMINAL

Accepts two sets of inputs Drops into a 75x96mm Hole Gold-Plated screw terminals Accepts large gauge cable and 4mm banana plugs. Each.

Code  
J708



### SPEAKER BOX BINDING POSTS DAYTON

#### SPEAKER BOX TERMINALS 4mm OR BARE WIRE

Accept bare wire up to 8 gauge / 4mm wire or plugs. Suit speaker cabinets with walls 9.5 to 25.4mm thick. Packaged in pairs, one Red and one Black.

Type	QTY	Code
Gold plated	2	BPA-38G
Satin Nickel	2	BPA-38SN
Nickel plated	2	BPA-38NI



### SPEAKER BOX BINDING POSTS

Will accept 4mm banana plugs or wire. 20mm max panel thickness.

Colour	Red	Black
QTY	2	2
Code	P780	P781



More Available in the Cable and Connectors Section...

## Speaker Box Ports

### BASS REFLEX PORT 33mm

Cut to Length Push-fit Flanged mouth 80mm x 33mmØ

Hole	Code
40mmØ	PORT8033



### BASS REFLEX PORT 40mm

Cut to Length Push-fit Flanged mouth 105mm x 40mmØ

Hole	Code
63mmO/D	PT759



### BASS REFLEX PORT 45mm

Cut to Length Push-fit Flanged mouth 128mm x 45mmØ

Hole	Code
68mmØ	PT760



### BASS REFLEX PORT 50mm

Cut to Length Push-fit Flanged mouth 125mm x 50mmØ

Hole	Code
58mmØ	PORT12550



### BASS REFLEX PORT 60mm

Cut to Length Push-fit Flanged mouth 125mm x 60mmØ

Hole	Code
70mmØ	PORT12560



### BASS REFLEX PORT INTERNAL

Compatible with 65mm PVC pipe  
Compatible with PORT12560

Code  
PORT4065



### BASS REFLEX PORT 100mm

Cut to Length Push-fit Flanged mouth 110mm x 100mmØ

Hole	Code
105mmØ	PORT11010



### SCREWS



Head	Size	Code
Allen Key 7mm	4mm	AS420-20 for 20
1/4" Hex Head	8G x 20mm	STS7B for 20.
1/4" Hex Head	10G x 25mm	STS8B for 20.
1/4" Hex Head	3.9x13mm	STH3913 per 100
1/4" Hex Head	3.9x16mm	STH3916 per 100
1/4" Hex Head	3.9x22mm	STH3922 per 100

More Available -  
See Section Tools...





## □ Auto Accessories

### □ LCD Mounting Brackets

#### HEADREST MOUNTING BRACKET FOR LCD

Monitor Headrest Mounting Bracket Holds TFT TV/Monitor to Headrest. Fully adjustable for mounting any LCD screen for rear seat viewing. Made from UV Stabilised Plastic. 195mm(H) x 235mm(W) x 60mm(D). Ball/socket angle adjustment

Code  
AVHRMB



#### HEADREST MOUNTING BRACKET FOR LCD

Easy installation, simply attaches to your front seat's headrest. Variable adjustment positions for multiple viewing angles. Suits locating LCD monitors directly behind a seat's headrest. Made from quality components. Rod is durable steel. Fully adjustable. Extension pieces.

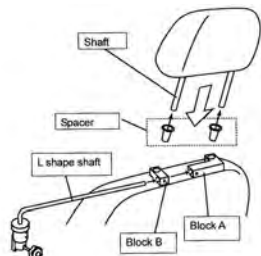
Code  
AVPT9



#### HEADREST MOUNTING BRACKET FOR LCD

Easy installation, simply attaches to your front seat's headrest. Variable adjustment positions for multiple viewing angles. Suits centre locating monitors To the Left or Right of a front seat headrest. Made from quality components. Rod is durable steel. Black. Fully adjustable ball-socket.

Code  
AVPT2



#### DELUXE HEADREST BRACKET

##### PREMIUM IN LOOKS & FUNCTION

Monitor Deluxe Headrest Side Mounting Bracket for centrally locating an LCD monitor between front seats for back seat viewing. Simply attaches to your headrest. Variable adjustment positions for multiple viewing angles with full tilt/pan capabilities. Black. Can be removed when not required. Made from quality components.

Code  
AVPT14



#### DIN POCKET WEDGE MOUNTING BRACKET

Inserts into dash pockets. Approximately DIN in size. Expand the screw to lock. Manual up-down tilt mechanism for variable viewing angles. Made from quality components and durable steel. Black.

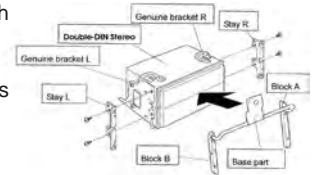
Code  
AVPT6



#### DIN WIDE LCD MOUNTING BRACKET

Simple DIN mount attachment on each side of a DIN radio. Manual up-down tilt mechanism for variable viewing angles. Made from quality components and durable steel. Black.

Code  
AVPT11



MONITORS NOT INCLUDED



#### DASH MOUNT LCD BRACKET

Monitor Dashboard Mounting. Easy installation solution. Simple stick-on dash attachment. Manual up-down and side tilt mechanism for viewing angles. Rotates, stand-off, +180° tilt. Also excellent Sat-Nav holder. Made from quality components and durable steel. Black.

Code  
AVPT12



MONITORS NOT INCLUDED



#### DASH MOUNT LCD BRACKET

Monitor Dashboard Mounting. Easy installation solution. Simple stick-on dash attachment. Tilt up-down for viewing angles. Flexible metal fingers for good stick to non-flat dashboards. Made from quality components.

Code  
STAND589







## □ In-Dash Mounting Kits

### SOME EXAMPLES

#### MORE ARE AVAILABLE

Too many to list here please select online [www.aerpro.com.au](http://www.aerpro.com.au) then contact us for price & availability Below are some examples....

[www.aerpro.com.au](http://www.aerpro.com.au)



### HOLDEN COMMODORE VY-VZ

#### SINGLE OR DOUBLE DIN TYPES

Includes mounting brackets for a secure installation.

Type	Code
Double DIN Black	FP9056
Double DIN Grey	FP9056G
DIN + Pocket Style A	FP9045
DIN + Pocket Black	FP9046
DIN + Pocket Grey	FP9046G



### FORD AU FALCON

#### UNDER RADIO POCKET

Snap-locks in dash fills vacant space for a professional finish. Available with full facia or just pocket in dark grey or black.

Type	Colour	Code
Pocket Only	Black	FP9040
Pocket Only	Grey	FP9041
Pocket & Facia	Black	FP9140
Pocket & Facia	Grey	FP9141



### FORD FALCON BA/BF

#### WITH USB POWER CHARGING & POCKET

Designed to fit Vehicle with Automatic transmission only. USB Ports can charge up to 0.5A each.

Adjustable head unit mounting brackets included.

Code  
FP9042



### DOUBLE DIN TOYOTA SIDE FACIA BRACKET

Custom design for Toyota for fitting a double DIN unit. Left and right bracket.

Code  
ATB2



### UNIVERSAL DIN TRIM RING

Used for replace broken trim ring and give the car a new professional look. 3MM thick.

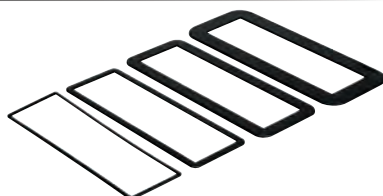
Colour	Code
Black	89300125



### UNIVERSAL TRIM RINGS 4 IN A PACK

Pack of four trim rings, 3.2mm, 6.4mm, 12.8mm & 19mm trim rings for replacing broken trim ring.

Code  
89300900

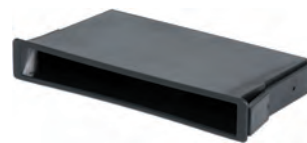


### UNIVERSAL HALF DIN POCKET

#### HALF HEIGHT DIN

This pocket fits under an equalizer or half DIN size unit to fill in the remaining space.

Code  
88009700



### UNIVERSAL DIN FILLER

#### UNDER RADIO POCKET

Snap-locks in dash fills vacant space professional finish.

Code  
FP9014



### DOUBLE DIN TO SINGLE DIN

#### UNIVERSAL MULTI-KIT

Ford Mazda Nissan Toyota Double-DIN height units used in many car models. Snap-locks in dash to fill in the vacant space left when an after-market car head unit is installed Universal adaptors inc.

Code  
FP9000



### DIN & JIN CD POCKETS

#### CD TRAY SPACE FILLER

Holds 6 CDs with push-button trays.

#### GUN METAL GREY

Fits DIN Spacing

Code  
FP9010



DISKS NOT INCLUDED

### DIN CUP HOLDERS

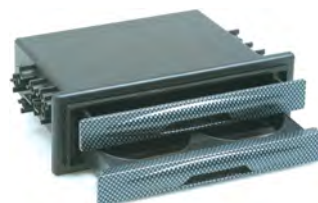
#### UNIVERSAL SPACE FILLER

Holds cups or cans plus lined drawer for coins.

#### CARBON FIBRE LOOK

Fits DIN & JIN

Code  
FP9009



### DIN HOUSING

#### UNDER or ABOVE MOUNT

This quality housing allows installation of a DIN or older shaft type head units to be installed where no room was previously provided. Snap out shaft mounts for full DIN hole. Made from UV stabilised black premium ABS plastic. Mount up-side or Down-side DIN 90x255x230mm

Size	Code
DIN	AP9000
Double DIN	AP9100







## IN-DASH MOUNTING KITS



## CUSTOM REFERENCE GUIDE

Upgrading to a new car stereo? We have a large assortment of custom dash fascia adaptor kits to adapt DIN units to a cars dash. Most popular items are IN-STOCK less-popular are ordered in. The cross-reference list below is for your assistance only. As supplied to us by a 3rd party. See website for more...

Products can be viewed at [www.aerpro.com.au](http://www.aerpro.com.au)



Description	Code	Description	Code
Alfa 147 06-09	FP953000	Hyundai iLoad 05-10	FP7320
Alfa BMW VW More	FP999001	Hyundai Multi 95-05	FP997309
Audi 01-04	FP999103	Hyundai SantaFe 07-08 Double DIN	FP957325
Audi 95-99	FP999100	Hyundai SanteFe 07-08 Kit	FP997325
BMW 3 Series 97-01	FP999300	Hyundai Sonata 06-08	FP957320
BMW 3 Series 98-05	FP8023	Hyundai, Kia Optima 01	997314
BMW 3 Series 98-05 Full Kit	FP8023K	Iveco Daily 07+	FP8091
Chrysler 300 05-07	996516B	Jeep 98-05 DIN + Pocket	996504
Daewoo Multi 98-02	FP998800	Jeep 98-05 DIN Facia	996503
DIN CD x6 Tray	FP9006	Jeep Cherokee Neon 84-01	FP996700
DIN iPod® Drawer	FP9015	Jeep Wrangler 07-08	FP956511
DIN Pocket	FP9014	Jeep Wrangler Cherokee 97-02	FP9050
Double DIN Plate Universal	FP999999	Kia Carnival Sedona 2006	FP957323
Ford AU, Ford XD-XE	FP9040	Kia Optima 05	997313
Ford BA/BF	FP9042M	Landrover Discovery Trim Plate	FP8017
Ford BA/BF with USB	FP9042	Lexus ES300 92-96	FP998150
Ford EA	FP24	Lexus GS300/400 98-03	FP998152
Ford Escape 06-10 Silver	FP7321	Lexus IS300 01-05	FP998151
Ford F150, Mazda B 95-02 + Pocket	FP995804	Mazda 3 04+	FP997504
Ford Explorer Mazda B Series	FP8135	Mazda Multi 86-95	FP997501
Ford Focus & AU-I	FP995200	Mazda MX5, 323, 626 01-04	FP9356
Ford Focus Cougar 99-04	FP995806	Mazda Pocket 86-02	FP987599
Ford Focus Fiesta 05-08	FP9145	Mazda Protege Tribute 01-05	FP997603
Ford Focus Fiesta 05-08 + Pocket	FP9144	Mazda Protoge 01-05	FP997505
Ford Jeep Mazda 82-00	FP995510	Mercedes C Class 00-04 + Pocket	FP9203
Ford Ranger & Mazda 07-10	FP9072	Mini 02-05	FP999302
Ford US 92-00	FP995512	Mitsubishi 380 04+	FP997012
Ford US 99-02	FP995803	Mitsubishi Outlander 2007-10	997013
Ford US, Mazda 626 MX3, Mazda 1992+	995026	Nissan Infiniti 350Z Kit	FP997402
Ford XD/XE Facia Black	FP14	Nissan Multi 95-04	FP997417
Ford XD/XE Facia Grey	FP13	Nissan Pathfinder 05+	FP997581
Ford XF	FP23	Nissan Pathfinder 96-02	997579
Holden Astra 05 Black	FP9048B	Nissan Universal Pocket	FP9043
Holden Astra 05 Silver	FP9048S	Subaru Forester, Impreza 93-05	FP988999
Holden Barina Captiva Kit 2006	FP993306	Subaru Impreza Forester 08+	FP998902
Holden Barina Vectra 02-05 rubber	FP9047R	Subaru Impreza WRX 08+	FP958902
Holden Camira	FP40	Subaru Multi 80-95	FP9055
Holden VN-VS Bracket	FP75	Suzuki Grand Vitara 03-05	FP997950
Holden VT-VX Facia & Bracket	FP8018	Suzuki Swift 05-10	FP9049
Holden VT/VX FP8018 + Control Adaptor	FP8018K	Suzuki Swift Multi Kit 95-01	FP993411
Holden VY-VZ DIN + Pocket Black	FP9046	Suzuki Vitara 06-10	FP957953
Holden VY-VZ DIN + Pocket Grey	FP9046G	Toyota Avalon 00-03 Brackets	FP9096
Holden VY-VZ DIN + Pocket Style A	FP9045	Toyota Camry Aurion 06-11	FP998218
Holden VY-VZ Double DIN Black	FP9056	Toyota Celica Echo 00-05	998201
Holden VY-VZ Double DIN Grey	FP9056G	Toyota Corolla 03+	FP958204
Honda Civic 01-05	FP997865	Toyota Corolla 98-02	FP993413
Honda Civic 12-14	FP8106	Toyota Multi 84-97	FP9065
Honda Multi 90-04 Kit + Pocket	FP997898	Toyota Universal 90-13	FP9016
Honda Multi 90-06 Double DIN	FP997801	Volvo 240 75-93	999210
Hyundai Accent Excel 95-05 DIN	997308	VW Beetle 98-04	999008
Hyundai Accent Excel 95-05 DIN a	997310	VW Touareg 04-08	FP999009
Hyundai Elantra Tiburon 01-05	997311		





## Mobile Phone Cradles

### ACCESSORIES SOCKET CRADLE WITH USB

Accessories Socket Adaptor / USB with Phone Holder. 360 degree rotation for vertical or horizontal mode. Suitable for all types of mobile phones, smart phones, PDA, GPS & MP3/MP4 devices between 4-11 cm. Turn this collar section to expand or contract the Accessories plug for 20 or 22mm sockets.

Code  
APH350S



### DUAL ACCESSORIES SOCKET CRADLE

Twin accessories socket adaptor with phone holder. 360 degree rotation for vertical or horizontal mode. Suitable for all types of mobile phones, smart phones, PDA, GPS & MP3/MP4 devices between 4.5-9cm. The collar section can be adjusted to expand or contract the accessories plug to 20 or 22mm sockets.

Code  
APH300S



### DUAL ACCESSORIES SOCKET CRADLE

Twin accessories socket adaptor with phone holder. Powers two 12V accessories at the same time. 180 degree rotating function. Phone holder suitable for all types of mobile phones, smart phones, PDA, GPS & MP3/MP4 devices between 4.5 -9cm. The collar section can be adjusted to expand or contract the accessories plug to 20 or 22mm sockets.

Code  
APH200S



### ACCESSORIES SOCKET CRADLE WITH USB

Single Socket Adaptor & Single USB Port with Phone Holder. Powers one 12V and one 5V accessory at the same time. 180 degree rotating function. Turn this collar section to expand or contract the Accessories plug for 20 or 22mm sockets.

Code  
APH250S



### UNIVERSAL CRADLE & PATCH CABLE

#### MOBILE ANTENNA PATCH

Padded Phone holder adjustable fingers. Inbuilt coupler with FME Male fly lead out for external antenna. Requires mount option & antenna. Suit Apple® iPhone® 3G/3Gs Nokia®, Blackberry®, Motorola®, Samsung®, LG®, HTC®, Sony®, etc. Multi-Band GSM, Next-G, 3G.

Size	Code
100x55mm	CAL9002
150x55mm	CAL6514



Note: Phone Not Included. Requires a base (See Below) and compatible antenna (See Communications Section 06)

#### SNAP-BASE MOUNTING OPTION DASH BRACKET

Stick-on-dash solution Ball-in-socket angle adjust with screw lock Premium 3M adhesive.

Code  
MNT72



#### SNAP-BASE MOUNTING OPTION SCREW MOUNT SYSTEM

With angle, tilt and rotate joint. Adaptable to the metal brackets.

Code  
MNT1201



#### SNAP-BASE MOUNTING OPTION SUCTION CUP & GOOSE NECK

65mmØ heavy-duty suction cup 270mm stand-off with twist and bendable goose-neck for precise viewing adjustment.

Code  
MNT76



#### SNAP-BASE MOUNTING OPTION WINDSCREEN SUCTION CUP

65mmØ heavy-duty suction cup 110mm stand-off 30° angled with Ball-in-socket angle adjustment and screw lock Suits CAL9002 & CAL6514 cradle (clips on back of)

Code  
MNT78



#### SNAP-BASE MOUNTING OPTION AIR VENT BRACKET

Clips on air-con vents Ball-in-socket angle adjust with screw lock Suits CAL9002 & CAL6514 cradle (clips on back of)

Code  
MNT70



#### SNAP-BASE MOUNTING OPTION AIR VENT CLIPS

Clips on to air conditioning vents on the dash of your car.

Code  
MNT1202







## Mobile Phone Holders

### MOBILE PHONE CAR ACCESSORIES

[www.cellink.com.au](http://www.cellink.com.au)

Too many items to list here!

Accessories to suit all Australian mobile phones with a large range of hands-free kits for the car.

See also Section  
06 Communications....



### WINDSHIELD MOUNT CRADLE - PHONE SPECIFIC

#### CHOOSE TO SUIT YOUR PHONE

Available in vertical and horizontal clips to suit iPhone®, Samsung®, and other popular models. Windscreen suction cup type. May come with goose neck or adjustable armature.



See [www.cellink.com.au](http://www.cellink.com.au) for your model phone.

### WINDSCREEN MOUNT - SLATE & TABLET PC

#### UNIVERSAL LOCKING JAWS

Adjustable claws hold various tablets, slates, iPads®, etc. Felt & rubber grips. Position locking. 90mm suction cup.



Size	Code
200mm - 300mm	CRA57
100mm - 210mm	CRA60

### UNIVERSAL MOBILE PHONE HOLDER

#### ADJUSTABLE CRADLE

Padded adjustable jaws spring grip for a firm hold 40-55mm. Requires M4 screws and bracket. Compatible with many of our brackets on these pages.



Note: Phone Not Included.

Code  
CRA20

Back with M4 screw holes.  
5mm deep.

### UNIVERSAL MOBILE PHONE HOLDER

#### VENT MOUNT OR BASE MOUNT

Base mount or extra wings so as to attach to the dash air vents to hold your mobile phone. Padded adjustable jaws push-grip for firm hold 40-65mm. Black.



Note: Phone Not Included.

Code  
CRA40

Back with holes @ 30x30mm

### MORE BASES COMPATIBLE WITH BRACKETS ON THESE PAGES....

TOO MANY TO LIST HERE -

SEE THE COMMUNICATIONS SECTION 06

SCREWS REQUIRED

Range Expanded  
See Section 06  
Communications



## Mounting Brackets

### CLAM SHELL BRACKET

#### 180° TILT

Metal construction.  
Thumb-screw locking.  
Black enamel paint.  
Includes screws.  
60x55x20mm

Code  
CSM10



### "Z" MOUNTING BRACKET

#### 270° DOUBLE TILT

Fully adjustable  
dual elbow type  
stand-off bracket  
Metal construction  
screw driver lock  
65x50x30mm to 90mm

Code  
CSM81



### UNI-JOINT MOUNTING BRACKET

#### ADHESIVE BACKED

Dual axis 180° x 360°  
Points any direction  
Position lock screws  
45x45mm x 60mm  
3M® for maximum grip

Code  
MNT50



### GOOSE NECK

#### 330mm FLEX SPRING

With wire through 15mm  
diameter 45mm Round  
base to common square  
45x55mm base 40x30mm  
holes. Black metal.

Code  
MPB-GN



Note: Phone  
Not Included.





## □ Mounting Brackets

### CAR MOUNTING BRACKETS

#### FOR ATTACHING CRADLES, etc.

Non damaging install solution enables mounting accessories using existing dash screws. Sturdy Black enamel painted steel brackets for mounting mobile phone cradles, etc. Development notes listed but also suitable or adaptable for other cars and applications.



### MOBILE PHONE MOUNTING PLATE

Adapt brackets Mount solutions or behind support for bolts, etc.

Size Code  
55x50mm MPB-BP1



### MOBILE PHONE MOUNTING PLATE

Use to raise the height of your phone bracket or Adapt brackets & Mount solutions or behind support for bolts, etc.

Size Code  
88x42mm MPB-BP2



### MOBILE PHONE MOUNTING BRACKET

L Shaped bracket  
Base 36x50mm, Phone 41x50mm

Code  
MPB1400



### MOBILE PHONE MOUNTING BRACKET

L Shaped bracket Base  
54x70mm, Phone 68x70mm

Code  
MPB1777



### TO SUIT SPECIFIC CAR MODELS

Specifically designed brackets to suit specific models of vehicles.



### MOBILE PHONE MOUNTING BRACKET

L Shaped bracket Base  
70x80mm, Phone 39x80mm

Code  
PB28



### MOBILE PHONE MOUNTING BRACKET

L Shaped bracket  
MG & Mercedes, etc.  
Base 243x75mm,  
Phone 60x75mm

Code  
MPB1222



### MOBILE PHONE MOUNTING BRACKET

L Shaped bracket  
Base 248x80mm,  
Phone 39x80mm

Code  
PB27



### MOBILE PHONE MOUNTING BRACKET

L Shaped bracket  
Suits Lexus, etc. Base  
240x50mm, Phone  
42x50mm

Code  
MPB1892



### MOBILE PHONE MOUNTING BRACKET

DIN size bracket Elbow stand-off 20mm,  
Base 190x60mm, Phone 39x60mm

Code  
PB65







### MOBILE PHONE MOUNTING BRACKET

R/A Pocket mount  
Suit Toyota Camry,  
etc. Base 32x50mm,  
Phone 42x50mm

Code  
PB74



### AUDI

Hook & Hold No  
screws Suits Audi  
Base 9x52mm,  
Reach 32mm,  
Phone 72x52mm

Code  
PB86



### MOBILE PHONE MOUNTING BRACKET

L Shaped bracket \*Smaller  
base Suits Magnas and  
pocket mounts, etc.  
Base 70x\*34mm, Phone  
52x50mm

Code  
PB70



### BMW EARLY

U Bracket 3 5 7  
Series and Z3, etc.  
Base 49x65mm,  
Reach 38mm,  
Phone 80x65mm

Code  
PB73



### MOBILE PHONE MOUNTING BRACKET

45 Base Plate Forward fascia  
Suit Statesman Kingswood,  
etc. Stand-Off 25mm, Base  
18x50mm, Phone 50x50mm

Code  
MPB1450



### COMMODORE VP-VS

Tilt bracket for  
Commodore Ashtray  
area. \*Phone base.  
Base 24x80mm,  
Reach 85mm 110,  
Phone 42x50/80mm\*

Phone Base	Code
80mm	MPB1319
50mm	PB69



### MOBILE PHONE MOUNTING BRACKET

General purpose mounting brackets

Code  
MPB1405



### COMMODORE VT-VX

Double bend L Custom  
fits Commodore Radio  
area Base 54x44mm,  
Reach 14 & 5mm,  
Phone 55x50mm

Code  
PB66



### MOBILE PHONE MOUNTING BRACKET

General purpose mounting brackets

Code  
MPB1404



### COMMODORE VY-VZ

Tri-bend L Custom fits  
Commodore Radio  
area Base 17x62mm,  
Reach 25mm, Phone  
44x50mm

Code  
PB68



### ASTRA

Custom suits Holden  
Astra Base 27x38mm,  
Reach 30mm, Phone  
50x50mm

Code  
MPB1615



### COMMODORE VY-VZ

Custom fits Commodore  
Above-right Vent area  
Does not interfere with  
drink holders Reach  
75mm, Phone 44x54mm

Code  
PB67







## FALCON AU

Double bend L  
Custom suits Ford  
Falcon AU Car  
radio area Base  
52x44mm, Reach  
16mm, Phone  
52x48mm

Code  
PB72



## FORD RANGER/MAZDA BRAVO

Code  
MPB1401



## FALCON AU-II

Double bend L Custom  
suits Ford Falcon  
AU Car radio area  
Base 40x38mm,  
Reach 28mm, Phone  
56x50mm

Code  
PB79



## LAND CRUISER 200 SERIES

Code  
MPB1402



## FALCON BA-BF

Custom suits Ford Falcon  
BA to BF and Territory.  
LEFT HAND Reach  
62mm, Phone 42x54mm

Code  
MPB1000



## MITSUBISHI 380

Customised bracket Suits  
Magna using existing  
bolts and fixtures. Base  
40x17mm, Reach 40mm,  
Phone 40x45mm

Code  
PB77



## FALCON BA-BF

Custom suits Ford Falcon  
BA to BF & Territory. RIGHT  
HAND Reach 48mm, Phone  
50x50mm

Code  
MPB1005



## MITSUBISHI PAJERO

Customised bracket  
Suits Pajero using  
existing bolts and  
fixtures. Phone  
40x45mm

Code  
PB87



## FALCON EF-EL

L Shaped bracket  
Suits EF-EL  
Falcon and others.  
Base 72x50mm,  
Phone 43x50mm

Code  
PB71



## SUBARU

Angle bracket Airvent  
area 2 tag base Base  
16x50mm, Reach 25mm,  
Phone 45x50mm

Code  
MPB1555



## FORD G SERIES

Code  
MPB1410



## TOYOTA AVALON

Double tilt Custom suits  
Toyota Avalon Base  
24x54mm, Reach 48mm,  
Phone 44x54mm

Code  
MPB1333







## TOYOTA CAMRY

120 L Shaped bracket  
Tapered base for dash Suit  
Toyota Camry, etc. Base  
68x35mm, Phone 52x50mm

Code  
MPB1500



## TOYOTA CAMRY 2007

Code  
MPB1409



## TOYOTA HILUX 2005-2011

Custom suits Toyota Hilux  
Base 67x25mm, Reach  
42mm, Phone 50x55mm

Code  
PB76



## TOYOTA HILUX CRADLE BRACKET

2014+

Reach: 48mm  
Phone: 55x46mm  
Double bend L shape custom cradle  
bracket to suit Toyota Hilux 2014+.

Code  
MPB1421



## TOYOTA UTE

Suit, Prado, Hiace, Kluger,  
Toyota V8 utes etc.,

Code  
MPB1403



## VECTRA

Double bend L Custom  
suits Holden Vectra Base  
34x44mm, Reach 18mm,  
Phone 55x50mm

Code  
MPB1888

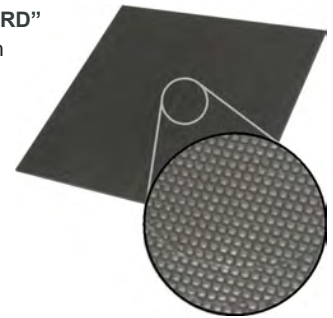


## PLASTIC GRID PLATE

### DARK GREY ABS "WAFFLE BOARD"

Textured blank dark grey for custom  
installations 1/4" thick ABS premium  
grade Waffle board is already Pre-  
scored on the back to easily create  
holes for 3" 4" 5 1/2" 6 1/2" 6x9" or use  
for panels, etc.

Size	Code
305x305mm	ABS9030

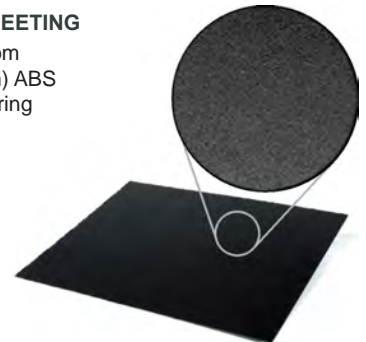


## ABS PLASTIC SHEETS 6mm

### BLACK ABS TEXTURED SHEETING

Textured blank black for custom  
installations 1/4" thick (6.35mm) ABS  
premium grade used for covering  
holes or use for panels, etc.

Size	Code
432x533mm	ABS9032



## HEX WASHER HEAD SELF TAP

### BAG OF 100 PCS

Black zinc plating case hardened  
Carbon steel 1022a Pack of 100 pcs.

Size	QTY	Code
3.9x13mm	100	STH3913
3.9x16mm	100	STH3916
3.9x22mm	100	STH3922



## HEX WASHER HEAD SELF-DRILL SCREWS

### HEX HEAD

Gold zinc plating case hardened  
Carbon steel 1022a Pack of 100 pcs.

Size	QTY	Code
3.9x13mm	100	SDH3913
3.9x16mm	100	SDH3916
3.9x22mm	100	SDH3922



## NUT & BOLT KITS

### BAGS OF NUT/BOLT/WASHERS

Pan head Posi Bolt x50 Nut x50 &  
Washer x50 Metric threaded sets

#### M3 [3mm Hole]

QTY	Code
50 x3	M350KB

#### M4 [4mm Hole]

QTY	Code
50 x3	M450KB



## MORE...

### SEE TOOLS SECTION

Comprehensive range  
of hardware for car  
installations including  
more screws, drill bits,  
tools, etc.



SEE TOOLS SECTION





## FORD RANGER BONNET ANTENNA BRACKET

Stainless steel. Passenger side bonnet mounting antenna bracket. Ø16mm hole with 6mm cable entry

Code  
MPB1411



## MAZDA BT-50 ANTENNA BRACKET

2011+

Stainless steel. Passenger side under bonnet mounting antenna bracket. Ø16mm hole with 6mm gap for cable entry

Code  
MPB1413



## HOLDEN COMMODORE VE ANTENNA BONNET

VE Holder Front  
Passengers Side Bonnet

Code  
MPB1406



VE Holder Front  
Drivers Side Bonnet

Code  
MPB1407

## NISSAN NAVARA D40 ANTENNA BRACKET

2011+

Stainless steel. Passenger side under bonnet mounting antenna bracket. Ø15mm hole for cable and antenna.

Code  
MPB1416



## HOLDEN COMMODORE VE CB ANTENNA BOOT

VE Holden Boot

Code  
MPB1408



## TOYOTA HILUX ANTENNA BRACKET

2011+

Stainless steel. Passenger side under bonnet mounting antenna bracket. Ø15mm hole for cable and antenna.

Code  
MPB1415



## HOLDEN COLORADO BONNET ANTENNA BRACKET

2011+

Stainless steel. Passenger side bonnet mounting antenna bracket. Ø16mm hole with 6mm gap for cable entry

Code  
MPB1412



## TOYOTA LANDCRUISER ANTENNA BRACKET

2007+

Stainless steel. Passenger side under bonnet mounting antenna bracket. Ø15mm hole for cable and antenna.

Code  
MPB1418



## ISUZU D-MAX ANTENNA BRACKET

2012+

Stainless steel. Passenger side under bonnet mounting antenna bracket. Ø15mm hole for cable and antenna.

Code  
MPB1420



## TOYOTA PRADO ANTENNA BRACKET

FOR CURRENT 4x4 SERIES MODELS

Stainless steel. Passenger side bonnet mounting antenna bracket. Ø15mm hole for cable and antenna.

Code  
MPB1419



## JEEP GRAND CHEROKEE ANTENNA BRACKET

2011+

Stainless steel. Passenger side under bonnet mounting antenna bracket. Ø15mm hole for cable and antenna

Code  
MPB1414



## VOLKSWAGEN ANTENNA BRACKET

2010+

Stainless steel. Passenger side bonnet mounting antenna bracket. Ø15mm hole for cable and antenna.

Code  
MPB1417







### UHF BRACKET - AERPRO

Guard mount CB Antenna bracket. Double bend, angled universal Stainless Steel.

Code  
CBBV1



### UHF BRACKET - AERPRO

Guard mount CB Antenna bracket. Vertical angled universal. Stainless Steel.

Code  
CBBV2



### BULLBAR MOUNT ALLOY

Extruded alloy type. Horizontal or Vertical mount bar bracket. Includes nuts and bolts.

Code  
CBBB3



### BULLBAR MOUNT STEEL

Stainless Steel type. Horizontal or Vertical mount bar bracket. Includes nuts and bolts.

Code  
CBBB1



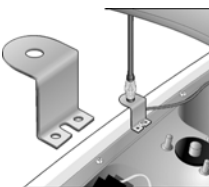
### BONNET BRACKET - BENELEC

Stainless Steel

Code  
ZB36

Zinc Plated

Code  
ZB35



### BONNET BRACKET - AERPRO

Guard mount CB Antenna bracket. Angled universal Stainless Steel.

Code  
CBBU2



### BULLBAR MOUNT STRAP

CB Antenna bracket hose clamp type

Code  
CBBB2



### BULLBAR MOUNT U-BOLT

Horizontal mount bracket with U-Bolts.

Code  
CBBB4



### BULLBAR BRACKET BLACK

Metal bracket strap for horizontal bullbar. Black anodised. Black screws.

Diam.	Code
45mmØ	CBBB45B
50mmØ	CBBB50B
63mmØ	CBBB63B
76mmØ	CBBB76B



### BULLBAR BRACKET 54MMØ STAINLESS STEEL

Heavy-duty stainless steel mounting bracket. To suit assorted bar up to 54mm diameter. Includes tightening screws.

Diam.	Pack of	Code
54mm	2	SG002



### BULLBAR BRACKET FOR LED LIGHT BARS

Black heavy-duty cast aluminium. Scratch resistant inside rubber sleeve. To suit assorted bar widths available. Includes screws as required. Sold in pairs. Supports light bars

Diam.	Pack of	Code
49-54mm	2	SG003
66-71mm	2	SG004
76-81mm	2	SG005



### BULLBAR BRACKETS FOR LED LIGHT BARS

Made with Aluminium alloy and Anodised coating. For light bar mounting application. Stainless Steel screws included

Diam.	Pack of	Code
32mm	2	SG32
44mm	2	SG44
51mm	2	SG51
76mm	2	SG76







## Dash Cam - Thinkware

### THINKWARE 1080P FULL HD SMART GPS DASH CAM F750

#### YOUR SMART ROAD SAFETY COMPANION - WITH WIFI MOBILE PHONE CONTROL

The THINKWARE F750 Wi-Fi Full HD Dash Cam with GPS has a Sony® Exmor® sensor to keep watch around your car and record incredibly clear 1080p Full HD video at 30 fps. It also has a built-in 3-axis G sensor, GPS tracking capabilities, and a PC viewer for Windows® / Mac® OS.



**THINKWARE**  
F750

[www.thinkware.com](http://www.thinkware.com)

- Road Safety Warning System that provides alerts for Lane Departure and Front Collision
- Safety Camera Alert with the built-in GPS and safety camera location database.
- Actively monitors the vehicle location to inform you of approaching traffic/speed cameras
- Two-step warning system, provides distance remaining then when you reach the traffic camera location.
- 140° wide viewing angle for maximum visibility, capturing a wider view of the roads.
- Advanced image correction technology ensures a stable and uninterrupted performance
- Ambarella A7 CPU minimizes power consumption while providing optimal performance.
- Dual Save records footages to both the microSD memory card and the built-in internal memory
- In the event that the memory card is damaged, the Dual Save Technology has a backup
- Supports various recording modes that you can use according to your needs:
- Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording.
- In the event of a power loss during an accident, the recorder uses the Super Capacitor to continue
- WiFi-enabled to easily control, manage and configure the settings with a smart phone
- Anyone can activate and control the Thinkware Dash Cam F750 easily

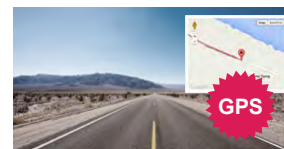
Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1920x1080P	No	Safety	105x62x41mm	16GB	124min	with GPS, Safety & WiFi	F75016
1920x1080P	No	Safety	105x62x41mm	32GB	248min	with GPS, Safety & WiFi	F75032
1920x1080P	No	Safety	105x62x41mm	64GB	496min	with GPS, Safety & WiFi	F75064



### THINKWARE 1080P FULL HD SMART GPS DASH CAM X500

#### PREMIUM DASH CAM & SAFETY ALERT SYSTEMS

The Thinkware Dash Cam X500 is a premium dash camera that can capture Full HD 1080p quality video at 30fps. It has a 2.7" LCD display for instant playback, control/configuration and reviewing recorded footages. It features an impressive road safety warning system which give warnings to the driver when the vehicle is at risk of accident, and a safety camera alert system which alert the driver about the location of the cameras. The dash cam uses a high quality image sensor to produce clear images, and it has a built-in GPS to supply the telemetry data for analysis using the Thinkware PC Viewer.



**THINKWARE**  
X500

[www.thinkware.com](http://www.thinkware.com)

- Road Safety Warning System that provides alerts for Lane Departure and Front Collision
- Safety Camera Alert with the built-in GPS and safety camera location database.
- Actively monitors the vehicle location to inform you of approaching traffic/speed cameras
- GPS data can precisely pinpoint the vehicle's driving speed, location and routes on the map.
- 2.4MP Sony® Exmor® CMOS sensor greatly improves the quality of day & night time images
- WDR, Super Night Vision, Smart AE and many other functions for optimised images
- Ambarella A7 CPU minimizes power consumption while providing optimal performance.
- Dual Save records footages to both the microSD memory card and the built-in internal memory
- Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording.
- In the event of a power loss during an accident, the recorder uses the Super Capacitor to continue
- Anyone can activate and control the Thinkware Dash Cam X500 easily

Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1920x1080P	2.7" 320x240	Safety	105x51x29mm	16GB	124min	with GPS & Safety	X50016
1920x1080P	2.7" 320x240	Safety	105x51x29mm	32GB	248min	with GPS & Safety	X50032
1920x1080P	2.7" 320x240	Safety	105x51x29mm	64GB	496min	with GPS & Safety	X50064







## THINKWARE 720P HD DASH CAM H50

### 720p HD COMPACT DASH CAM

The Thinkware Dash Cam H50 is a compact dash camera that is capable of capturing bright and clear videos at the crucial moment of any incidents. The cam is powered by the Cortex A5 CPU and a 2M pixel high resolution CMOS image sensor. They enables users to capture 720p video quality video @30fps.



**THINKWARE**  
H50

[www.thinkware.com](http://www.thinkware.com)



- Proprietary Format Free Technology reduces the need for manual formatting of your microSD memory cards.
- With a 720p HD camera, the THINKWARE Dash Cam H50 is able to record bright and clear videos
- Recording at 30 frames per second, you can rely on the H50 to capture every moment of your commute in HD.
- 2MP CMOS image sensor significantly improves video quality during day or night crystal clear
- 120° wide-angle lens, the Thinkware Dash Cam H50 ensures a high visibility of the events
- Cortex-A5 CPU delivering high-end features and multiprocessing for energy-efficient performance.
- Optional external GPS (sold separately) to precisely pinpoint the vehicle's driving speed, location and routes on the map. You can also use it to track your holiday travel routes with family & friends.
- Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording.
- Thinkware PC Viewer, access recorded videos with time, speed, and location data on your PC/Mac
- Anyone can activate and control the Thinkware Dash Cam H50 easily with a few simple buttons



Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1280x720P	No	Optional GPSANT	76x31x38mm	8GB	73min with GPS		H50

### OPTIONAL EXTERNAL GPS RECEIVER

#### TO SUIT THINKWARE X150 & H50 SERIES DASH CAM

The GPS signal receiver can be used to keep track of your vehicle's physical location and speed as you drive. During video playback, a simultaneous Google map view will show your vehicle's movement and speed. Suitable for H150 and H50 series dash camera.

Code  
GPSANT



**THINKWARE**

### OPTIONAL UNIVERSAL HARD WIRING CABLE

The 5m cable loom allows for custom configuration of your dash cam's power supply so that he dash cam can be set to stay recording even when the vehicle's engine is off in the parking mode. The power module will also monitor battery voltage and turn off the dash cam when the voltage gets too low.



Length Code  
5M HWC

**THINKWARE**

## □ Thinkware Technology

### Road safety warning system

Equipped with the Road Safety Warning System that provides alerts for Lane Departure and Front Collision, the F750 detects road markings and gives voice warnings to the drivers if the vehicle begins to stray from its lane or when it is at risk of an imminent collision. This is a convenient feature for drivers who plan on of driving long distances where fatigue may set in and save them from getting into an accident.

### Safety camera alerts

The Safety Camera Alert is an exclusive safety feature from Thinkware and it provides continuous alert for photo enforcement locations on your driving routes while recording HD videos at the same time. With the built-in GPS and safety camera location database, The Dash Cam actively monitors the vehicle location to inform you of approaching traffic/speed enforcement cameras such as red light cameras and speed cameras along your way. Voice guidance on the dash cam screen will alert drivers of any approaching traffic enforcement cameras along the route. Thinkware Dash Cam employs a two-step warning system where the first warning will provide distance remaining from your current location to the camera location and the second warning will alert you when you reached the exact traffic camera location.

### Vivid driving information based on the built-in GPS

Using the GPS data in X500, it can precisely pinpoint the vehicle's driving speed, location and routes on the map. The GPS helps you to accurately assess the status of the accident by providing you with the vehicle speed, the direction of collision and the severity of impact. With just a few clicks on the Thinkware Dash Cam viewer on PC or Mac, you can playback front and rear (required optional rear camera) videos, and download recorded videos and view the information on your driving history and speed.







## Dash Cams

### DVR CAR FULL-HD 1080P WITH GPS

Car dash cam can record video at full 1080p resolution @ 30fps. It includes a suction mount that grips onto your windscreen. Features a GPS tracking unit that allows you to keep track of the journeys you made during playback on a Windows® PC. Size: 70x65x35mm plus mount. Micro-SD Card not included.

- Full HD 1080p @ 30fps
- 2.4" 4:3 High resolution TFT screen
- 170° HD wide angle lens
- GPS tracking (Windows® OS)
- G-sensor function
- 4x Digital zoom
- H.264 Video compression
- 12MP still images
- Seamless cycle recording
- Suction car mount with 360° rotation
- Support Micro SD card up to 32GB
- Mini USB/AV interface

GPS



Code

GHDVR369

### DVR CAR CAMERA RECORDER FULL-HD 1080P

- CAR DVR Full HD 1920x1080P
- 2.4" High-resolution LCD screen
- 148 Degree HD Wide Angle Lens
- G-Sensor Function
- H.264 Video Compression
- Digital Zoom 4 X
- 12 Megapixel Still Images
- Seamless Cycle Recording
- Suction Car Mount 360° Rotation
- Supports Micro SD card up to 32GB
- HDMI / Mini USB Interface

148°

Code

GHDVR303



### DVR CAR CAMERA RECORDER 720P

- 120° HD 1280x720p CCD
- 12MP still camera
- DVR uses MicroSD (Not Included)
- Rechargeable backup battery
- Long 3M Charging lead
- USB lead for PC download
- 1.5" LCD viewing Screen
- Extra-compact 76x42x30mm
- Windscreen suction bracket
- G-Sensor function
- Loop recording

VGA



Code

GDVR203



### DVR CAR CAMERA RECORDER FULL-HD 1080P

- HD DVR 1080P Car Camcorder Full HD 1920 x 1080P
- 2.4" 4:3 high-resolution TFT screen
- 148 degree HD wide angle lens
- G-Sensor function
- Digital zoom 4 X
- 12 megapixel still images
- Seamless cycle recording
- Suction car mount with 360 degree rotation
- Supports micro SD card up to 32GB (SD card NOT included)
- HDMI / mini USB interface

Code

GHDVR292



### DASH CAM - GATOR DVR FULL HD 1080 1.5" LCD

#### 1080P FULL HD CAR DVR CAMERA - BONUS 4GB MICRO SD CARD

The full HD car DVR can be used to record video at up to full HD 1080p @ 25 fps. The Full HD dash camera has an integrated 1.5" LCD screen for video playback. Adjustable 170 degree wide angle lens. H.264 video compression. With auto ignition power on/off, Seamless cycle recording, SOS file lock function, G-sensor, photo mode and on screen video playback. The glass-mount in car dash cam is easy to install into your car. It comes with adhesive tapes to mount it firmly onto your windscreen. A car charger and a 4GB micro SD is included.

Code

GHDVR359



NOTE: The DVR uses a super-capacitor type battery for extending recording. The unit needs to be permanently connect to the power supply to operate. Accessories connection cables included.





## □ Dash Cams

### 5" REVERSING CAMERA & DASH CAM COMBO UNIT

#### GATOR HD-DVR 1080 FRONT AND REAR CAMERA RECORDER

The Full HD rear view mirror monitor and reversing camera kit consists of 2 full HD cameras. One integrated on the back of a rear view mirror with a built in 5" LCD display and the second camera, an external wired reversing camera with LED night lights. Capable of dual recording front and rear simultaneously. With auto ignition power on/off, SOS function, G-sensor, photo mode and on screen video. There is two straps on the back of the rear view mirror so you can use this to mount it on the existing rear view mirror from your car. This package also includes a car charger and a USB to mini USB cable. Requires micro SD card for recording (up to 32Gb).

- 5" HD LCD Monitor built-in to a Reversing Mirror
- Integrated front facing 175° camera, angle adjustable
- Rear camera with night IR illumination
- 5 metres AV & power connection cable
- Reversing camera function on car reversing
- Dual recording of both front and rear cameras
- Recording function H264 loop mode
- G-Sensor for park mode recording
- Rechargeable battery backup
- Requires MicroSD card (up to 32Gb)

#### Code

GHD5MR

Requires MicroSD card (up to 32Gb)



### NAVIG[8]R SPORTS CAM 1080X

#### KIT INCLUDES WATERPROOF HOUSING AND ACCESSORIES

Full HD 1080p @30fps video recording for detail imagery at high-speed. The 2" LCD screen on the back shows you what's being recorded and allows for playback or camera settings via the on screen menu, so you can edit, adjust or film with ease. It comes with Waterproof Housing and 9 accessories including mounts, custom skin wraps, remote control and car charger. It's lightweight and portable and uses a Lithium Polymer rechargeable battery, which is good for up to 90 minutes of normal usage. It has a micro SD card slot for storing your best moments. It is the perfect Sports Cam for the outdoors and extreme sports. (Note: micro SD card is not included and is sold separately). 58x44x23mm + Case.

#### Code

SPC1000

**LASER**



### FULL HD 1080P SPORTS CAMERA G180SPCR

#### DASH CAM & SPORTS CAM

The GATOR G180SPCR 1080P Full HD dash cam and sports action camera comes supplied with a waterproof case and multiple mounting options allowing you to use it almost anywhere. If you are looking for a great value, feature-packed sports action cam and dash cam, you can't go past the GATOR G180SPCR !

- 1080P FULL HD Resolution
- 170 Degree Wide Angle Lens
- Dimensions (Camera Only): 48x42x45mm
- 1.5" LCD Screen
- Waterproof to 30 m
- HDMI Output (type-D)
- Dual Charging Voltage 12/24V
- Package includes camera, car charger, micro USB cable, waterproof case, windscreen suction mount, helmet mount and strap, bike handle mount.
- Compatible With Most Popular Sports Camera Mounts

#### Code

G180SPCR







## □ Reversing Sensors

### FOUR-SENSOR REVERSING KITS

Deluxe version. Wide beam safety. Similar technology to that used in today's exotic European cars. With a four sensor array across the rear bumper, a more accurate surround distancing is displayed. Obstacles are indicated with an easy to read Left/Right bar graph and distance metre head unit that can be easily dash mounted.

Also suitable for larger vehicles.

Professional flush mount sensors.

Sensor locating instructions included.

1 x Digital bar graph & distance display

4 x Sensors with 2.2 metre cord ea.

1 x DC power cord to reverse lamp.

1 x Control box 200x260



### DELUXE BUILT-IN SENSORS X4

Code

RS04B



### REVERSING SENSOR SYSTEM - WIRELESS LCD

Connect the ECU in the boot wired for power to the reversing lamp. Wirelessly transmits data to the LCD receiver mounted on the vehicle dash wired to accessories power. Display gives distance up to 2.5M digit and bargraph shows obstacle direction. Audible alert can be switched on/off.

- Wireless LCD Parking Sensor Kit
- LCD Reversing Display Wireless
- Wireless transmitting range: 20M
- 4 sensor system with buzzer alert
- Operation Voltage: 10.8 - 15V
- Detecting range: 0.3M - 2.5M
- Buzzer Volume: 70-80dB
- All weather design (-40C~ +80C)
- Supplied with 18.5mm hole saw

Code

GR4S



### REVERSING SENSOR SYSTEM - AUDIBLE - GATOR

Audible reversing assistance that alters the beep timing to indicate distance much like sonar pings. No dash modifications required, no extensive wiring. Simply mount the ECU in the boot and attach power to the reversing lamp.

- 4 sensor ultra-sonic system
- Audible beep timing infers distance
- Can be used as 2 sensor system
- Operation voltage: 12V (2W)
- Detecting range: 0.3M - 2M
- Buzzer integrated with ECU
- Buzzer volume: 70-80db
- All weather design (-40C~ +80C)
- Supplied with 18.5mm hole saw

Code

GR4



## □ Reversing Cameras

### REVERSING CAMERA KIT 4.3"

- 4.3" Colour TFT LCD Digital Monitor
- 100° Horizontal
- 60° Vertical viewing angle
- Night Vision

Size Code

4.3" G427



### REVERSING CAMERA KIT 5"

#### MONITOR, CAMERA AND WIRING KIT

Rear view monitors are a fantastic way to improve the safety of your vehicle when parking and the safety of those walking around your vehicle like small children. The Gator G500KT includes a super-bright, high-quality 5" LCD monitor. Also included is our patented stealth mount camera, a compact reverse camera that has been designed to mount behind any standard size Australian registration plate.

- 5" LCD Monitor with sun shield
- 2 Camera Inputs
- Includes stealth mount camera

Size Code

5" G500KT



### REVERSING CAMERA KIT 7"

Complete rear-view system with large LCD display and water resistant camera. Connect up to 2 cameras with programmable priority.

- Colour TFT-LCD Monitor
- 2x Video inputs CAM1/CAM2
- On Screen Display Menu
- Full function Remote Control
- Brightness : Adjustable
- Contrast : Adjustable
- Resolution: 800 x 480
- Display Format: 16:9 & 4:3
- System : PAL/NTSC
- Power : DC 11-24vDC

Size Code

7" G700CK







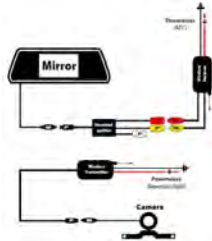
## □ Reversing Cameras

### 4.3" REAR-VIEW MIRROR KIT - WIRELESS

#### INCLUDES MONITOR AND WIRELESS CAMERA

Wireless installation refers to the connection of the camera to the monitor. The camera is instead connected to a video transmitter that is powered by the reversing tail light. This means time and difficulty of installation is greatly reduced. Optional wired solution is available. 5M cable included. Accepts a second optional camera. Reverse assist lines overlay. CMOS PAL Camera 120° Viewing angle

Code  
GRV43MDT



### 4.3" REAR VIEW MIRROR KIT

#### UNIVERSAL CLIP-ON STYLE

Special anti-glare screen for eye sight protection, in position of the original rear view mirror. Touch screen button control. 2xRCA video input 16:9 480x272 pixels 12Vdc 275x77x23mm 295g. Dual video input to connect camera & GPS, etc. Automatically connect to rear view system when reversing, ensure parking safely. Butterfly camera, all metal Weather proof 1/3 sharp CCD colour 420TVL, Wide angle 170° minimum illumination 0.1lux. Wiring Kit includes 5.5M camera video cable, 1M camera power cable and 2M monitor cable.

Code  
RV431



### 7" REVERSING MIRROR KIT

#### TOUCH BUTTON FUNCTION

Rear-view optical mirror with built-in Compact 7" colour LCD TFT Display screen. Replaces your existing rear-view mirror. Adjust picture via the remote control On-Screen-Display. 2 x RCA Video Input 480x234 pixels 12Vdc 248x110x43mm 400g. Includes extra long cabling and butterfly camera. All metal Weather proof 1/3 sharp CCD colour anti fog glass super mini butterfly camera with 420TVL, Wide angle 170° minimum illumination 0.1lux. Wiring Kit includes 6M camera video cable, 1M camera power cable and 2.4M monitor cable.

- AV1 connects VCD/DVD signal input. AV2 connects camera signal input. AV2 will be switched automatically from VCD/DVD when reversing gear is used and return back after parking.

Code  
RV751



### 5" REVERSING CAMERA & DASH CAM COMBO UNIT

#### GATOR HD-DVR 1080 FRONT AND REAR CAMERA RECORDER

- 5" HD LCD Monitor built-in to a Reversing Mirror
- Integrated front facing 175° camera, angle adjustable
- Rear camera with night IR illumination
- 5 metres AV & power connection cable
- Reversing camera function on car reversing
- Dual recording of both front and rear cameras
- Recording function H264 loop mode
- G-Sensor for park mode recording
- Rechargeable battery backup
- Requires MicroSD card (up to 32Gb)

Code  
GHD5MR







## DUAL REVERSING CAMERAS SYSTEM + TRAILER KIT

### WITH 5" TFT LCD MONITOR DASH MOUNT OR WINDSCREEN MOUNT

This advanced reversing camera system allows the user to see the rear view clearly. Dual camera for driving with a trailer or a boat attached. Supplied with a 5" TFT LCD monitor, 2x weather resistant cameras, and the heavy-duty trailer installation kit.

- 5 inch Colour TFT-LCD Monitor
- 2x Video inputs CAM1/CAM2
- On Screen Display Menu:
- 5 Menu Functions
- Full function Remote Control
- Shock Resistant
- Brightness : 480cd/m2
- Contrast : 150:1
- Resolution: 960 x 234
- Display Format: 16:9
- Response : 30ms
- System : PAL/NTSC
- Power : DC 11-32 VDC
- Internal Speaker with volume adjustment
- Heavy-duty Trailer Installation kit
- 1/3"Colour CCD Bracket mount
- High colour and definition
- Minimum illumination: 0 Lux with IR On (F:1.2)
- Viewing angle : 120 Degrees
- S/N Ratio: More than 48dB
- Power Input : 10 - 12 VDC
- Power Consumption: 2W
- Water Resistance: IP66
- 1/3"Colour CMOS Butterfly Bracket mount
- High colour and definition
- Minimum illumination: 3Lux (F:1.2)
- Viewing angle : 120 Degrees
- S/N Ratio: More than 48dB
- Power Input : 10 - 12 VDC
- Power Consumption: 0.5W
- Water Resistance: IP66

#### INCLUDES CABLE KIT FOR TRAILER



Code  
ARV50T

**GATOR**  
ENTERTAINMENT

#### INCLUDES 2 CAMERAS FOR VEHICLE & TRAILER



## GATOR CAMERA TRAILER CONNECT CABLE KIT

The GTK1 is a Caravan/Trailer Pro Quick Disconnect Kit which will suit G500, G700 and many other 4 pin professional systems with weather proof cover. This kit has the additional feature of a trigger cable running through the curly cord which allows you to trigger the camera automatically when the trailer kit is connected.

- 1 x Male video plug to spring loaded attaching clamp - 2m
- 1 x Female video plug to spring loaded attaching clamp - 2m
- 1 x trailer curly cord - 2m (extended)
- Water Resistant

Code  
GTK1

**GATOR**  
ENTERTAINMENT



## EXTENSION CABLE GATOR REVERSING SYSTEMS

The PLC video cables are designed to be used as an extension cable for Gator reversing camera systems.

Length	Code
3M	PLC3
7M	PLC7
12M	PLC12

**GATOR**  
ENTERTAINMENT







### LICENSE PLATE CAMERA

- Camera Type: CMOS PAL
- 120 Degree viewing angle.
- Operating Voltage : 12V
- Camera IP Rating: IP67
- Camera Mount type: Number Plate

Code

G45C



### LICENSE PLATE CAMERA DELUXE

- 120 Degree viewing angle
- Operating Voltage : 12V
- Camera IP Rating: IP67
- NTSC or PAL Switched
- Optional Parking Lines
- Optional Normal / Reverse View

Code

G45CL



### FLUSH MOUNT CAMERA

- Flush mount rear-view Camera
- Aluminium case & waterproof for outdoor use
- Lens Angle 170 degree horizontal & 90 degree vertical
- Ultra bright night vision
- 18.5mm Drill bit for installation included

Code

G35C



### BUTTERFLY CAMERA

Butterfly Rearview Camera. Waterproof to IP67 Standard. Lens Angle 170°H x 90°V. Ultra bright night vision. PAL & NTSC compatible. Parking lines switched I/O. Image can be reversed. Includes power wiring 5.5 Metre RCA Lead.

Code

G30CL



### BOXED CAMERA GATOR

- 12V 1/4" Sony Colour CCD
- Viewing Angle 120° PAL
- Includes 3M Gator Cable
- Waterproof Day/Night function
- Built in IR LED 5 Metres
- Water resistance: IP67

Volts

Code

12V

G50CC

24V

G52CC



**GATOR**  
ENTERTAINMENT

### SUPER-SMALL OUTDOOR COLOUR CMOS

#### NTSC COLOUR

45° Mounting bracket. Body rotates to align. 130° Wide Angle FOV. Very rugged for use on vehicles, etc. Very compact 19x18mmØ. Includes 8 metre cable. Requires 12Vdc 40mA. NTSC Colour for imported vehicles. Hard wired power leads. RCA Plug Video output. 6.35mm 1/4" CMOS. 2.0 Lux. Suit car reverse, etc. IP67

Code

CM103



### HOLE-MOUNT COLOUR CCD

#### WITH IR ILLUMINATION

Metal barrel. Flush mounting. As used with Reversing kits. 28mm Hole mount 75mm deep. 1/3" CCD Colour 420 TVL PAL 628x582 pixels FOV 110° WideAngle 0 Lux IR Illuminated. 12Vdc (2.1mm) RCA Video out. Includes Drill bit and connection cables. FOV 110°. Mount angle adjust.

Code

CD102P



### HOLE-MOUNT COLOUR CMOS

#### WEATHER PROOF

Metal barrel. Flush mounting As used with Reversing kits. 25mm Hole mount 45mm deep +lead 1/3" CMOS Colour 420 TVL PAL 628x582 pixels FOV 92° WideAngle 2.0 Lux 3.6mm 12Vdc (2.1mm) RCA Video out

Code

CM101P



### HOLE-MOUNT COLOUR CMOS IR

#### WITH IR ILLUMINATION

Weather proof Flush mounting As used with car Reversing kits. Metal barrel 28mm Hole mount 45mm deep +lead 1/3" CMOS Colour 420 TVL PAL 628x582 pixels FOV 110° WideAngle 2.0 Lux (0 Lux) 12Vdc (2.1mm)

Code

CPKCE100



### REAR VIEW CAMERA FOR HOLDEN

High Resolution SONY CCD Pick up Suits Holden Captiva 2006-2010, Cruze 2009-2010, Epica 2007-2010

Code

G50VS







## □ HUD

### HUD VSS SPEED DISPLAY

#### CONNECT VIA VEHICLE SPEED SENSOR

Head-up displays (HUD) give you vehicle information projected onto your windscreen so you can keep your eyes on the road. Connected via your Vehicle's Speed Sensor (VSS). Will display speed and give speed warnings.

- Speed warning
- Speed unit switch (K/M-Miles)
- Speeding warning setup
- Speeding warning On/Off switch
- Speed fine adjustment setup
- Car speed matching setup
- Outward illuminating
- Display brightness auto-adjustment



Type Code  
VSS HUDVSS1

### HUD OBD2 SPEED DISPLAY

#### COMPATIBLE TO CARS WITH A OBD2 PORT

The Gator HUDOBD2A Heads Up Display Unit displays vehicle speed and RPM and suits all vehicles with an OBD2 Port. Installation is a breeze as the unit simply plugs into the vehicles OBD2 Port and this will provide power and accurate vehicle data. The product comes supplied with a non slip mat and a window reflecting film allowing the unit to be simply placed on the vehicles dash board. The bright LED display makes speed and RPM easily visible in daylight and the unit will sense night time driving and automatically dim the light to suit the driving conditions.



Type Code  
OBD2 HUDOBD2A

### HUD GPS SPEED DISPLAY

#### GATOR HUDGPS2 HEADS UP DISPLAY UNIT GPS

This unit is designed to sit on the vehicles dashboard and project the speed of the vehicle onto the windscreen. This means you can keep your eyes on the road instead of glancing down at the factory speedo. This unit is suitable for all vehicles as it has a built in GPS that detects the vehicles speed and simply plugs into the vehicles accessory socket to get power making it very simple to install. The unit also features speed warning, auto brightness control and adjustable speed setting for accurate matching to your vehicle.



- GPS sourced for accurate speed
- Dashboard placement Heads-Up-Display
- Shows Km/h speed plus direction
- Over speed warning (programmed)
- Auto dimm/brightness LDR
- Super compact portable
- Includes power lead & base



Type Code  
GPS HUDGPS2

### HUD GPS SPEED DISPLAY

#### CORDLESS GPS

Head-up displays (HUD) give you vehicle information projected onto your windscreen so you can keep your eyes on the road. No connection necessary (other than power) as a stand alone unit using a built in Global Positioning System (GPS) to display speed and give speed warnings.

- Use GPS signal, requires no wiring to the VSS (vehicle speed signal), suitable for any vehicles
- Plug & Play- Power through Vehicle Accessories Outlet Jack, 12v - 24v
- Auto Adjust Brightness thru Sensor for Day & night-time Driving.
- No professional installation is required
- Driving speed display (Green)
- Speed warning
- Speed unit switch (Km-Miles)
- Speed fine adjustment setup



Type Code  
GPS HUDGPS1





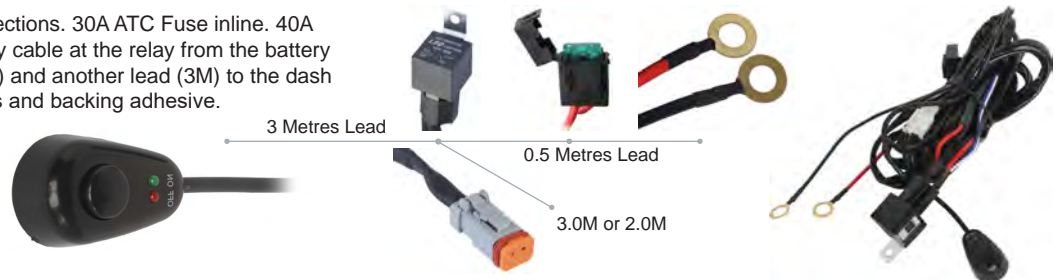
## □ Lighting

### □ LED Light Bars Switch & Mounting Solutions

#### WIRING LOOM WITH SWITCH & RELAY 30A

12mm ring terminal battery connections. 30A ATC Fuse inline. 40A switching relay. Splits Heavy-Duty cable at the relay from the battery (0.5M) to the LED Bar (2M or 3M) and another lead (3M) to the dash On/Off switch with LED indicators and backing adhesive.

Length	Code
3M	WK001
2M	WK002



#### WIRING LOOM WITH SWITCH & RELAY 40A - DTP

12mm ring terminal battery connections. 40A ATC Fuse inline. 60A switching relay. Splits 3M Heavy-Duty cable to the LED Bar and another 3M lead to the remote On/Off switch with LED indicators.

Length	Code
3M	WK001DTP

Compatible with LED31002-340-4D, LED3102-288 and LED3102-300.



#### WIRING LOOM WITH DUAL SWITCH FOR LED BARS 30A X2

##### SUITABLE FOR DUAL COLOUR & DUAL BEAM OR TWO SEPARATE LED LIGHT BARS

This wiring kit has two I/O switches in the one module. Includes 12mm ring terminal battery connections. 2x 30A ATC Fuse inline. 2x 60A switching relays. Splits Heavy-Duty cable to the LED Bar (3M) and another 3M lead to the remote On/Off switch with LED indicators. Supports the Dual colour LED light bars and Quad Row Dual beam LED light bars. This wiring loom is also suitable for hard wiring two separate single colour LED bars individually switched. Requires some user crimping connections.

Code
WK003



#### FLAT BRACKET FOR LED LIGHT BARS

Steel bracket for mounting on a flat surface. Sold in singles with bonus screw pack. Quantity required depends on LED bar installed.

Pack of	Code
1	MT001



#### BULLBAR BRACKET 54MMØ STAINLESS STEEL

Heavy-duty stainless steel mounting bracket. To suit assorted bar up to 54mm diameter. Includes tightening screws.

Diam.	Pack of	Code
54mm	2	SG002



#### TOGGLE SWITCH WITH INDICATOR LAMP

Custom dash install. Suitable to use with LED light bar. 12V Indicator Lamp. DPST 16A

Colour	Code
Blue	SW001B
Red	SW001R



#### BULLBAR BRACKETS FOR LED LIGHT BARS

Made with Aluminium alloy and Anodised coating. For light bar mounting application. Stainless Steel screws included

Diam.	Pack of	Code
32mm	2	SG32
44mm	2	SG44
51mm	2	SG51
76mm	2	SG76



#### CARLINGTON ORIGINAL SWITCH

##### CHANGE THE SWITCH ON THE WK WIRING LOOM

Choice LED Light bar switches for dash mount. \*ON/OFF/ON is suitable for Dual colour WK003.

Type	Colour	LED	Code
ON/OFF	Red	Square	SW-V1DAB2
ON/OFF	Green	Square	SW-VAD1
ON/OFF	Red	Bar	SW-V1DAB1
ON/OFF/ON	Red	Bar x2	SW-V6DAD



#### BULLBAR BRACKET FOR LED LIGHT BARS

Black heavy-duty cast aluminium. Scratch resistant inside rubber sleeve. To suit assorted bar widths available. Includes screws as required. Sold in pairs. Supports light bars

Diam.	Pack of	Code
49-54mm	2	SG003
66-71mm	2	SG004
76-81mm	2	SG005







## □ LED Light Bars

### CURVED LED LIGHT BARS



- Power: Available in 120W/180W/240W/288W/300W
- Voltage: 10V-30V DC
- Beam: Combination of wide and narrow beam
- LED: 3W Cree LED
- 30000+ hours life
- Colour: Cool White
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 300mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Power	Light	Lumens	Beam Angle	Size	Code
120W	40x 3W CREE LED	12000	16x Wide + 24x Narrow	546x85x80mm	LED3102-120
180W	60x 3W CREE LED	18000	24x Wide + 36x Narrow	795x85x80mm	LED3102-180
240W	80x 3W CREE LED	24000	32x Wide + 48x Narrow	1054x85x80mm	LED3102-240
288W	96x 3W CREE LED	28800	40x Wide + 56x Narrow	1250x85x80mm	LED3102-288
300W	100x 3W CREE LED	30000	40x Wide + 60x Narrow	1308x85x80mm	LED3102-300

All light bars are supplied with mounting hardware. Requires wiring loom WK001 or WK002, sold separately\*.  
\*LED3102-288 & LED3102-300 use a different plug so require wiring loom WK001DTP. Alternatively you can cut the plug and wire it yourself.

### CURVED LED LIGHT BARS - DUAL COLOUR



- Power: Available in 120W/180W/240W/300W
- Voltage: 10V-30V DC
- Beam: Combination of wide and narrow beam
- LED: 3W Cree LED
- 30000+ hours life
- Colour: Amber and Cool White, switch back and forth from fog light (Amber) and headlight (cool white) depends on road condition
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 300mm wire terminates to bare wire



Power	Light	Lumens	Beam Angle	Size	Code
120W	40x 3W CREE LED	8000	16x Wide + 24x Narrow	546x85x80mm	LED3102D-120
180W	60x 3W CREE LED	12000	24x Wide + 36x Narrow	795x85x80mm	LED3102D-180
240W	80x 3W CREE LED	16000	32x Wide + 48x Narrow	1054x85x80mm	LED3102D-240
300W	100x 3W CREE LED	20000	40x Wide + 60x Narrow	1308x85x80mm	LED3102D-300



Requires dual switch wiring kit WK003, sold separate. Some soldering or crimping necessary for installation. Alternatively you can cut the plug and wire it yourself. Switches to White OR Amber (Defaults to Amber).

### SINGLE ROW LED LIGHT BARS - LARGE REFLECTOR



- LED light bars are suitable for auto, marine and many general purpose lighting applications.
- These light bars use the high performance, long life, and highly energy efficient Cree LEDs
- Cree LEDs are capable of delivering extremely high light output with over 90% efficiency.
- Constructed with a tough metal housing to protect it from wear, damage and weather.
- Available in 20W to 200W, with wide or narrow beam reflectors or combinations of both.
- For vehicles, this gives a spot light for far ahead and flood light for peripheral illumination.
- Ideal for 4WD, SUV, work vehicles, Forklifts, Trucks, Excavators, Boats, etc.
- Built-in circuitry with wide voltage input allows easy connection to 12V or 24V DC systems.
- Also suitable for buildings, gardens, walk-ways, advertising, etc. (Requires DC power source).
- A mounting installation kit is included with locking angle adjustment. 10mmØ Bolt.
- Optional bull-bar brackets are available using standard antenna mounting solutions.
- 300mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor

Power	Light	Lumens	Beam Angle	Size	Code
20W	2x 10W CREE LED	1700	2x Wide [Flood]	144x95x82mm	LED3300-20
40W	4x 10W CREE LED	3400	4x Narrow [Spot]	235x95x82mm	LED3300-40
80W	8x 10W CREE LED	6800	4x Wide, 4x Narrow	415x95x82mm	LED3300-80
120W	12x 10W CREE LED	10200	4x Wide, 8x Narrow	595x95x82mm	LED3300-120
160W	16x 10W CREE LED	13600	8x Wide, 8x Narrow	775x95x82mm	LED3300-160
200W	20x 10W CREE LED	17000	8x Wide, 12x Narrow	955x95x82mm	LED3300-200
240W	24x 10W CREE LED	23400	8x Wide, 16x Narrow	1150x95x82mm	LED3300-240
260W	26x 10W CREE LED	25220	12x Wide, 14x Narrow	1220x95x82mm	LED3300-260

**COMBINATION WIDE & NARROW BEAM - IP67 WEATHERPROOF**



All light bars are supplied with mounting hardware. Requires wiring kit WK001 or WK002, sold separately. Alternatively you can cut the plug and wire it yourself.





## DUAL ROW LED LIGHT BARS - DUAL COLOUR



**CREE**

- Voltage: 10V-30V DC
- Beam: Combination of wide and narrow beam
- LED: 3W Cree LED
- 30000+ hours life
- Colour: Amber and Cool White, switch back and forth from fog light (Amber) and headlight (cool white) depending on the road condition
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP67
- 300mm wire terminates to 3 core bare wire



Requires dual switch wiring kit WK003, sold separate. Some soldering or crimping necessary for installation. Switches on White OR Amber (Defaults to Amber). Alternatively you can cut the plug and wire it yourself.

Power	Light	Lumens	Beam Angle	Size	Code
36W	12x 3W CREE LED	3600	8x Wide + 4x Narrow	185x85x80mm	LED31001D-36
60W	20x 3W CREE LED	6000	8x Wide + 12x Narrow	292x85x80mm	LED31001D-60
72W	24x 3W CREE LED	7200	8x Wide + 16x Narrow	343x85x80mm	LED31001D-72
120W	40x 3W CREE LED	12000	16x Wide + 24x Narrow	546x85x80mm	LED31001D-120
180W	60x 3W CREE LED	18000	24x Wide + 36x Narrow	795x85x80mm	LED31001D-180
240W	80x 3W CREE LED	24000	32x Wide + 48x Narrow	1054x85x80mm	LED31001D-240
300W	100x 3W CREE LED	30000	40x Wide + 60x Narrow	1308x85x80mm	LED31001D-300

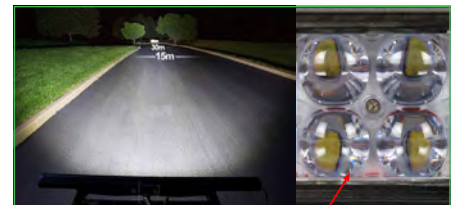
## DUAL ROW LED LIGHT BARS - 4D FISHEYE PROJECTOR LENS



- Voltage: 10V-30V DC
- Beam: 4D hyperspot 5°
- LED: 3W Cree LED
- 30000+ hours life
- Colour: Cool White
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 300mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



All light bars are supplied with mounting hardware. Requires wiring loom WK001 or WK002, sold separately\*. \*LED31002-300-4D uses a different plug so requires wiring loom WK001DTP. Alternatively you can cut the plug and wire it yourself.



The 4D optical lens is designed to produce a 5° hyperspot beam. This enables a more focused light beam which ensures maximum amount of light can reach a greater distance compared to normal spot reflectors.

Power	Light	Lumens	Beam Angle	Size	Code
36W	12x 3W CREE LED	3600	Hyperspot	185x85x80mm	LED31002-36-4D
60W	20x 3W CREE LED	6000	Hyperspot	292x85x80mm	LED31002-60-4D
72W	24x 3W CREE LED	7200	Hyperspot	343x85x80mm	LED31002-72-4D
120W	40x 3W CREE LED	12000	Hyperspot	546x85x80mm	LED31002-120-4D
180W	60x 3W CREE LED	18000	Hyperspot	795x85x80mm	LED31002-180-4D
240W	80x 3W CREE LED	24000	Hyperspot	1054x85x80mm	LED31002-240-4D
300W	100x 3W CREE LED	30000	Hyperspot	1308x85x80mm	LED31002-300-4D

## QUAD ROW LED LIGHT BARS



**CREE**

- Voltage: 10V-30V DC
- Beam: Switch wide or narrow beam or Both\*
- LED: 3W Cree LED
- 30000+ hours life
- Colour: Cool White
- Mounting brackets and stainless steel screws included
- Aluminium housing IP Rating: IP67
- 300mm wire terminates to bare wire

Power top row for Narrow Beam  
Power lower row for Wide Beam  
or Power Both for All.

SLIDES FOR CUSTOM FIT

Power	Light	Lumens	Beam Angle	Size	Code
36W	12x 3W CREE LED	3600	6x Wide, 6x Narrow	110x140x90mm	LED3401-36
72W	24x 3W CREE LED	7200	12x Wide, 12x Narrow	178x140x90mm	LED3401-72
108W	36x 3W CREE LED	10800	18x Wide, 18x Narrow	254x140x90mm	LED3401-108
144W	48x 3W CREE LED	14400	24x Wide, 24x Narrow	310x140x90mm	LED3401-144
180W	60x 3W CREE LED	18000	30x Wide, 30x Narrow	368x140x90mm	LED3401-180
216W	72x 3W CREE LED	21600	36x Wide, 36x Narrow	431x140x90mm	LED3401-216
252W	84x 3W CREE LED	25200	42x Wide, 42x Narrow	495x140x90mm	LED3401-252
288W	96x 3W CREE LED	28800	48x Wide, 48x Narrow	550x140x90mm	LED3401-288



All light bars are supplied with mounting hardware. Requires wiring loom WK001 or WK002, sold separately. Alternatively you can cut the plug and wire it yourself.





## 10W COMPACT LED DRIVING LIGHT 50MM

- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 1x10W Cree LED
- 30000+ hours life
- Colour: Cool White
- Dimension: 50x50x60mm
- Brightness: 970lm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP67
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Beam Angle	Code
Wide	LED1023C-10F
Narrow	LED1023C-10S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.

## 24W COMPACT LED DRIVING LIGHT 80MM

- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 6x 4W Bridgelux LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 1440lm
- Dimension: 80x74x78mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP67
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Beam Angle	Code
Wide	LED1022-24F
Narrow	LED1022-24S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.

## 12W COMPACT LED DRIVING LIGHT 66MM

- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 4x 3W Bridgelux LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 1040lm
- Dimension: 66x66x63mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Beam Angle	Code
Wide	LED1023-12F
Narrow	LED1023-12S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.

## 24W RECESSED FLUSH MOUNT LED LIGHT

- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 6x 4W Cree LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 1572lm
- Dimension: 80x78x72mm, Flange: 120x90mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68



Beam Angle	Code
Wide	LED1022A-18F
Narrow	LED1022A-18S

Flush mount requires mounting screws. Includes an optional base bracket.



## 12W COMPACT LED DRIVING LIGHT 80MM

- Power: 12W
- Voltage: 10V-30V DC
- Beam: Wide beam
- LED: 4x 3W Bridgelux LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 900lm
- Dimension: 80Ø x 70mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP67
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Beam Angle	Code
Wide	LED2009-12F

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.

## 27W LED DRIVING LIGHT 105MM

- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 9x 3W Epistar LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 2340lm
- Dimension: 125x106x50mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Beam Angle	Code
9x Wide	LED1007-27F
9x Narrow	LED1007-27S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.

## 18W MINI LED LIGHT BARS 160MM

- Power: 18W
- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 6x 3W Epistar LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 1560lm
- Dimension: 160x48x68mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Beam Angle	Code
6x Wide	LED1012-18F
6x Narrow	LED1012-18S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.

## 27W LED DRIVING LIGHT 115MM

- Power: 27W
- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 9x 3W Epistar LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 2340lm
- Dimension: 128x115x52mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor



Beam Angle	Code
9x Wide	LED2009-27F
9x Narrow	LED2009-27S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.





### 42W LED DRIVING LIGHT 114MM

- Power: 42W
- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 14x 3W Bridgelux LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 3640lm
- Dimension: 114Ø x 62mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor

Beam Angle	Code
Wide	LED2003-42F
Narrow	LED2003-42S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.



### 48W DRIVING LIGHT 114MM

- Power: 48W
- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 16x 3W Bridgelux LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 4160lm
- Dimension: 114Ø x 62mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP68
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor

Beam Angle	Code
Wide	LED1015-48F
Narrow	LED1015-48S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.



### 48W COMPACT LED DRIVING LIGHT 125MM

- Power: 48W
- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 16x 3W Cree LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 4160lm
- Dimension: 125x125x115mm
- Aluminium housing, mounting brackets, screws included
- IP Rating: IP67
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor

Beam Angle	Code
Wide	LED1013B-48F
Narrow	LED1013B-48S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.



### 51W LED SPOT LIGHT 175MM

- Power: 51W
- Voltage: 10V-30V DC
- Beam: Narrow beam
- LED: 17x 3W Bridgelux LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 4420lm
- Dimension: 175x86x202mm
- Aluminium housing, stainless steel mounting brackets, screws included
- IP Rating: IP67
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor

Beam Angle	Code
Narrow	LED1015B-51S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.



### 70W LED SPOT LIGHT 140MM

- Power: 70W
- Voltage: 10V-30V DC
- Beam: Wide or narrow beam
- LED: 7x 10W Cree LED
- 30000+ hours life
- Colour: Cool White
- Brightness: 6790lm
- Dimension: 140x165x96mm
- Aluminium housing, stainless steel mounting brackets, screws included
- IP Rating: IP68
- 200mm wire terminates to WK series plug with 100mm WK female to bare wire adaptor

Beam Angle	Code
Wide	LED1025-70F
Narrow	LED1025-70S

Supplied with mounting hardware. Requires loom WK001 or WK002. 10cm WK plugged lead included.







## □ Light Sticks

### AERPRO NEONZ & LEDZ



### 11.3" COLD CATHODE

#### 287mm SUPER-BRIGHT NEON

"Brightness Index" rating: 9  
12V Input Current: 0.33A  
On/Off switch located on accessories plug.  
Cable length 2M. Overall length 338mm

Colour	Code
Blue	CCN12B
Red	CCN12R



### NEON LIGHT STICKS 6"

**SUPER-THIN NEON RODS**  
Only 5mm Diam. Silver caps.  
**15cm (6") 5mmØ**

Colour	Code
Blue	NE75B
Scarlet	NE75S

**30cm (2x 6") KIT**  
Includes sound modulator

Colour	Code
Blue	NE76DB
Scarlet	NE76DS



### NEON LIGHT STICKS 27"

**EXTRA LONG 2 FOOT**  
Water Resistant Silver end caps Hard wired. 12Vdc.  
63cm overall length.

Colour	Code
Blue	NE24B
Purple	NE24P
White	NE24W



### NEON LIGHT STICKS 8" & 12"

**12V NEON RODS**  
1.5M Accessories Plug.  
**22cm (8")**

Colour	Code
Pink	LU8PK
Red	LU8RD

**30cm (12")**

Colour	Code
Blue	LU12B
Pink	LU12PK



### BUBBLE LED LIGHT STRIPS

**IN-CAR SMOOTH MOOD LIGHTING**  
Soft light spectacle. 12Vdc LED.  
**16cm (6")**

Colour	Code
Blue	EL76B
Red	EL76R

**32cm (2x 6") KIT**  
Includes sound modulator

Colour	Code
Blue	EL76DB
Green	EL76DG



**SINGLES**



**DUAL-TUBE SOUND KIT**







## Flexible Light Strips

### LED LIGHT STRIPS DELUXE

#### IN/UNDER-CAR DECORATIONS

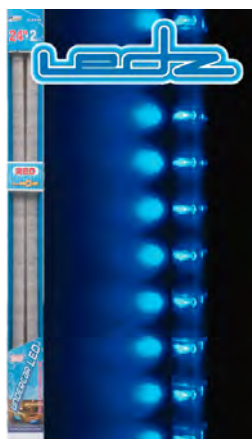
High brightness LED strips 2½x brighter than Neons with less power. 12Vdc. Clip together extendable

**240cm (2x 48")**

Colour	Code
Blue	EL482B

**120cm (2x 24")**

Colour	Code
Blue	EL242B



### LED LIGHT STRIPS

#### IN/UNDER-CAR DECORATIONS

8/11 Super bright LEDs in strips 12Vdc Accessories plug switched

**20cm (8")**

Colour	Code
Blue	EL200B
Red	EL200R
Green	EL200G
White	EL200W

**30cm (12")**

Colour	Code
Blue	EL300B
Red	EL300R
Green	EL300G
White	EL300W



### LED RUNNING LIGHTS

Daytime Running Strips with Flexible LED Strips 90 Deg Illumination 8500K Cool White

#### 2X 20CM PAIR

Type	Single Row	Double Row
LED	24x	36x
Code	DTRL220	DTRL220D

#### 2X 55CM PAIR

Type	Single Row	Double Row
LED	66x	99x
Code	DTRL255	DTRL255D



### SMD LED FLAT LIGHTS

#### HIGH-LIGHTING STRIPS

Ultra bright SMD LEDs Low Profile Flat Type Weather resistant 12Vdc Hard wired.

Colour	White	Blue
Code	SMD4W	SMD4B



### LED MULTI-COLOUR STRIPS

#### SOUND DECORATIONS

Easy to use controller Multi-mode LED chaser Million colour sequencer Beats to the music mode Supplied as a kit with 2x Multi-colour sticks Push-button controller 12Vdc with fuse

**45cm (2x 9")**

Code
EL225MD



### LED LIGHT STRIPS FLEXIBLE

Strip of LEDs with new Super-Flex body. Can be cut to custom length with cutters. Water resistant, 12Vdc. 2mm thickness, 8mm width, Packed in hang colour blister.

#### 12" LED

Colour	Code
White	ELF12W

#### 24" LED

Colour	Code
Blue	ELF24B
White	ELF24W



### 1M SMD LED FLEXIBLE LIGHT STRIP

#### SUPER BRIGHT

1 metre SUPER BRIGHT SMD LED Flexible light strip available in both blue & white. Use for multiple applications such as camping, fishing, boating, back lighting, vehicles, trailers, tool boxes, tents, party lights etc. Easy stick on mounting (Trim to desired length by cutting on line between connection points).

Colour	Code
White	SMD1000W
Blue	SMD1000B



### LED SUPER-FLEX 10mm x 84cm

Two Super Flexible Strip 12x SMD LEDs 410x10x2mm each (x2) Weather Resistant Hi/Lo Temp. -15°C to 85°C Can cut into 2 and 4 pieces

Colour	White	Blue
Code	FSMD12WD	FSMD12BD







## LED LIGHT STRIP 2835 WHITE - 8mm x 5 METRES

### FLEXIBLE RIBBON WITH 450 LEDs & ADHESIVE BACK IP65

- High brightness high density compact light solution
- 48 LEDs Per Metre: 980 Lumens/M, 11.5W/M
- Can be cut into 62.5mm lengths with 3 LEDs each
- 5M strip (450 LEDs) can be powered by 12Vdc 2.5A
- Version is gel covered for weather proofing (IP65)

Colour	Cool White
Lumens	980Lm/M
Power	11.5W/M
Voltage	12V DC
Length	5 Metres
Beam Angle	120°
IP	IP65
Code	SE48F-CW



## LED LIGHT STRIP 3528 WHITE - 5mm x 5 METRES

### ADHESIVE BACK ULTRA-FLEXIBLE 5mm

- High brightness high density compact light solution
- 90 LEDs Per Metre: 560 Lumens/M, 6.5W/M
- Can be cut into 33mm lengths with 3 LEDs each
- 5M strip (450 LEDs) can be powered by 12Vdc 1.5A
- Version not gel covered for maximum flexibility (IP33)

Colour	Cool White	White
Lumens	560Lm/M	560Lm/M
Power	6.5W/M	6.5W/M
Voltage	12V DC	12V DC
Length	5 Metres	5 Metres
Beam Angle	120°	120°
IP Rating	IP33	IP33
Code	SK90G-CW	SK90G-W



## LED STRIP LIGHT 3528 COLOUR - 8mm x 5 METRES

### FLEXIBLE RIBBON WITH 300 LEDs & ADHESIVE BACK IP65

- Weather resistant IP65 Adhesive back 3M Brand
- Clear silicone strip 8x2.8mm Total Length 5 Metres
- Can be cut into 50mm lengths with 3 LEDs each.
- Per Metre: 270 Lumens/M, 330mA/M, 60 LEDs
- Terminates to two wires. 12Vdc @ 1.6A Total 5M

Colour	Lumens	Code	5M
Cool White	270 lm p/m	SMD3528CW	
Warm White	270 lm p/m	SMD3528WW	
Green	240 lm p/m	SMD3528GN	
Red	70 lm p/m	SMD3528RD	
Yellow	70 lm p/m	SMD3528YL	
Blue	70 lm p/m	SMD3528BU	



## LED STRIP LIGHT 5050 COLOUR - 10mm x 5 M

### FLEXIBLE RIBBON WITH 300 LEDs & ADHESIVE BACK IP65

- Weather resistant IP65 Adhesive back 3M Brand
- Clear silicone strip 10x2.8mm Total Length 5 Metres
- Can be cut into 50mm lengths with 3 LEDs each.
- Per Metre: 720 Lumens/M, 500mA/M, 60 LEDs
- Terminates to two wires. 12Vdc @ 2.5A Total 5M

Colour	Lumens	Code	5M
Cool White	720 lm p/m	SMD5050CW	
Warm White	720 lm p/m	SMD5050WW	
Green	660 lm p/m	SMD5050GN	
Red	280 lm p/m	SMD5050RD	
Yellow	220 lm p/m	SMD5050YL	
Blue	220 lm p/m	SMD5050BU	



## CONNECTORS 8mm

Optional connectors for breaking and extending the ribbon to customise for your application. Power supply suggestion only.

Description	Code
Strip End Connectors	J3528
End to Bare Wire*	P3528
12V 2.5A power for 5M SMP12V-2.5A-21R	

\*Note: P3528 is polarised. Suits 1 end only.  
Reverse connectors for other end as labelled.



## CONNECTORS 10mm

Description	Code
Strip End Connectors	J5050
End to Bare Wire*	P5050
12V 2.5A power for 5M SMP12V-2.5A-21R	

\*Note: P5050 is polarised. Suits 1 end only.  
Reverse connectors for other end as labelled.







## 5M SMD LED MULTI-COLOUR LIGHTING STRIP

### KIT INCLUDES LED STRIP, REMOTE & POWER PACK

5M Flexible RGB SMD LED strip lighting with easy to install adhesive backing  
 clear coating protection and flexible strips  
 Remote controlled multi-colour functionality  
 Dimmer and brightness control  
 Light transitions (Flash, Strobe, Fade, Smooth)  
 Lifespan 40,000 hours  
 30 LEDs per metre  
 Can be cut to shorter lengths, corners, etc.  
 Includes 240VAC plug pack 12Vdc  
 10mm width, 3mm height, 5m length.

Code  
 SMD5MC



## LED STRIP LIGHT 5050 RGB 10mm x 5 METRES

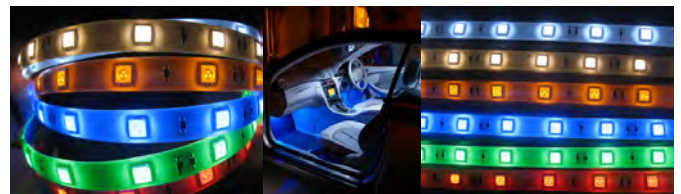
### FULL COLOUR SPECTRUM LIGHTING 300 RGB LEDs

Tri-colour 5050 SMD LEDs in Red/Green/Blue for full spectrum colour, including white, lighting effects when used with the IR Controller box. Other powering solutions may be compatible. 4 Pins are RGB and 12Vdc Common. Excellent for automotive interiors, etc.

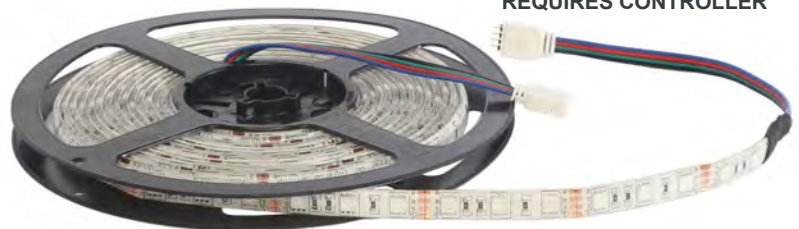
- Weather resistant IP65. Adhesive back 3M Brand
- Clear silicone strip 10x2.2mm. Total Length 5 Metres. 3A All LEDs On.
- Can be cut into 50mm lengths. Three colour LED (x300pcs)
- 60 Tri-LEDs per Metre. Four wires to P5050RGB type 4 pin plug
- Red, Green, Blue, Common, 12Vdc @ 200mA per M each.

Length	Lumens	Colour	Code	5M
5M	450 lm p/m	RGB	SMD5050RGB	

### REQUIRES CONTROLLER



### REQUIRES CONTROLLER



## CONTROLLER & REMOTE REQUIRED

Direct 16 colour select for static lighting including white.  
 Or four modes of colour effects: Flash, Strobe, Fade, Smooth.  
 On/Off and brightness control. Include IR Remote control and receiver box.  
 Max output is 2A per channel for up to 10M of SMD5050RGB.

Description	Code
IR Remote and Controller box for SMD5050RGB	RGB-CONT



2.1mm DC plug

## CONNECTORS & POWER RGB

Description	Code
Strip End Socket to 4 wires [BGRBk*]	P5050RGB
4 Pin Strip End Socket to Socket	J5050RGB
4 Pin Plug to 4 Wires 15cm	P5051RGB
12V 3A to power LEDs upto <10M	SMP3000-12R
AC Lead as required by SMP3000-12R	ACL104-18
12V 5A to power LEDs over >10M	SMP12V5A-25P



12V Regulated supply optional



\*Note: P5050RGB is polarised. Suits 1 end only.  
 Reverse connectors for the other end. [BkGRB]





## □ External Lighting

### T20 RED STOP & TAIL LAMP

#### DUAL FUNCTION

Replacement bulbs 20mm wedge double pole  
24 LED Red SMD-5050 x 24  
Stop and Tail (dual function) 2 per pack



24 D

Size	20mm
Base	Wedge
Pole	Dual
Colour	Red
LED	24
Code	T20D24R



### T20 RED STOP & TAIL LAMP

#### DUAL FUNCTION

Replacement bulbs 20mm wedge double pole  
45 LED red SMD-3020 x 45  
Stop and tail (dual function) 2 per pack



45 D

Size	20mm
Base	Wedge
Pole	Dual
Colour	Red
LED	45
Code	T20D45R



### T20 RED STOP OR TAIL LAMP

#### SINGLE FUNCTION

Replacement bulbs 20mm wedge single pole  
24 LED Red SMD-5050 x 24  
Stop or tail (single function) 2 per pack



24 S

Size	20mm
Base	Wedge
Pole	Single
Colour	Red
LED	24
Code	T20S24R



### T20 RED STOP OR TAIL LAMP

#### SINGLE FUNCTION

Replacement bulbs 20mm wedge single pole  
45 LED red SMD-3020 x 45  
stop or tail (single function). 2 per pack.



45 S

Size	20mm
Base	Wedge
Pole	Single
Colour	Red
LED	24
Code	T20S45R



### T20 AMBER INDICATOR LAMP

#### INCLUDES LOAD RESISTORS

Replacement bulbs 20mm wedge single  
pole 24 LED amber SMD-5050 x 24  
Indicator (single function) 2 per pack.  
Supplied with resistive load for flasher relay.



24

Size	20mm
Base	Wedge
Pole	Single
Colour	Amber
LED	24
Res.	Yes
Code	T20S24A



Res. (Load Resistors)  
2x Included

### T20 AMBER INDICATOR LAMP

#### WITH LOAD RESISTORS

Replacement bulbs 20mm wedge single pole  
45 led amber smd-3020 x 45  
indicator (single function). 2 per pack.  
Includes Flasher Load Resistors.



45

Size	20mm
Base	Wedge
Pole	Single
Colour	Amber
LED	24
Res.	Yes
Code	T20S45A



Res. (Load Resistors)  
2x Included





## BA15S RED STOP OR TAIL LAMP

### SINGLE FUNCTION

Replacement bulbs BA15S bayonet single pole 24 LED Red SMD-5050 x 24 Stop or tail (single function). 2 per pack. 45mm long.

Size	15mm
Base	Bayonet
Pole	Single
Colour	Red
LED	24
Code	BA15S24R



## BA15S RED STOP OR TAIL LAMP

### SINGLE FUNCTION

Replacement bulbs BA15S bayonet single pole 45 LED Red SMD-3020 x 45 Stop or tail (single function). 2 per pack.

Size	15mm
Base	Bayonet
Pole	Single
Colour	Red
LED	45
Code	BA15S45R



## BA15S AMBER INDICATOR LAMP

### WITH LOAD RESISTORS

Replacement bulbs BA15S bayonet single pole 13 LED Amber SMD-5050 x 13 Indicator (single function). 2 per pack. With flasher load resistors.

Size	15mm
Base	Bayonet
Pole	Single
Colour	Amber
LED	13
Res.	Yes
Code	BA15S13A



## BA15S AMBER INDICATOR LAMP

### WITH LOAD RESISTORS

Replacement bulbs BA15S bayonet single pole 45 LED Amber SMD-3020 x 45 Turn indicator (single function). 2 per pack. Includes flasher load resistors.

Size	15mm
Base	Bayonet
Pole	Single
Colour	Amber
LED	45
Res.	Yes
Code	BA15S45A



## BAU15S AMBER INDICATOR LAMP

### WITH LOAD RESISTORS

Replacement bulbs BAU15S bayonet single pole 24 LED Amber SMD-5050 x 24 Turn indicator (single function). Rotational offset of bayonet pins. 2 per pack.

Size	15mm
Base	Bayonet 150°
Pole	Single
Colour	Amber
LED	24
Res.	Yes
Code	BA15S2XA



## BAU15S AMBER INDICATOR LAMP

### WITH LOAD RESISTORS

Replacement bulbs BA15S bayonet single pole LED Amber SMD-3020 x45 Turn indicator (single function). Rotational offset of bayonet pins. 2 per pack.

Size	15mm
Base	Bayonet 150°
Pole	Single
Colour	Amber
LED	45
Res.	Yes
Code	BA15S4XA







## Interior Lights

### FESTOON TYPE REPLACEMENT LED LIGHTING

12V DC. 6500 Kelvin. Ultra White.  
Replaces original interior light.

#### 3x Super SMD LED - PACK OF 1

Size	Code
41mm	SMD95W



#### 4x Super SMD LED - PACK OF 1

Size	Code
28mm	SMD91W



#### 6x Super SMD LED - PACK OF 1

Size	Code
41mm	SMD94W



#### 10x Super SMD LED - PACK OF 1

Size	Code
31mm	SMD97W



#### 12x Super SMD LED - PACK OF 1

Size	Code
36mm	SMD98W



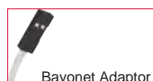
### LED LIGHTING COLOUR KIT WITH ADAPTORS

12V DC. Includes adaptor kit.  
Replaces original interior light.  
Deluxe packaging with  
"Try-Me" push button!



#### 6x LED Interior Light

Colour	Code
White	SMD6W
Blue	SMD6B
Red	SMD6R
Green	SMD6G



#### 12x LED Interior Light

Colour	Code
White	SMD12W
Blue	SMD12B
Red	SMD12R
Green	SMD12G



#### 16x LED Interior Light

Colour	Code
White	SMD16W
Blue	SMD16B
Red	SMD16R
Green	SMD16G



### T10 WEDGE TYPE LED LIGHTING

#### 1x SMD LED - PACK OF 2

Ultra White 6500 Kelvin

Colour	Code
Cool White	T101W

[Not TRY-ME packaging]



#### 6x SMD LED - PACK OF 2

- Super SMD LED lights
- Ultra White 6500 Kelvin

Colour	Code
White	T1046W

[Not TRY-ME packaging]



#### 9x SMD LED - PACK OF 2

9 super SMD LED lights  
Ultra White 6500 Kelvin

Colour	Code	Pair
White	T109TW	



#### 12x SMD LED - PACK OF 2

12 super SMD LED lights  
Ultra White 6500 Kelvin

Colour	Code	Pair
White	T1012TW	



With "Try-Me" Packaging



### LED LIGHTING KIT WITH ADAPTORS

12V DC. 6500 Kelvin Ultra White.  
Replaces original interior light.  
Deluxe packaging with  
Try-Me push button!



#### 4x Super SMD LED

Colour	Code
White	SMD81W



#### 6x Super SMD LED

Colour	Code
White	SMD82W



#### 8x Super SMD LED

Colour	Code
White	SMD83W

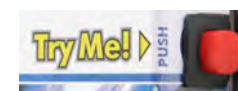


#### 12x Super SMD LED

Colour	Code
White	SMD85W



The festoon adaptor is adjustable in length to suit  
3 different sized globes 28, 31 and 36mm.







## □ Misc Decorative

### T10 WEDGE TYPE LED COLOUR LIGHTING

4 Super-Bright LEDs

Colour	Code	Pair
Blue	T104B	
Red	T104R	
Yellow	T104Y	



### LED WEDGE GLOBES SET

Multipurpose wedge LED light  
Cool White 6500K  
12V compatible  
Can be used for the interior of a car,  
inside the trunk or rear lamp, etc.  
Sold as a pair of 2.



Code  
T1011W

SOLD AS A PAIR

### WINDSCREEN WASHER LEDS

#### OPTO-GLOW HIGHLIGHTERS

Replaces existing washer nozzles  
(& still function) Super-Bright LEDs  
facing forward down the bonnet  
12Vdc hard wire connect Gun-Metal  
dark grey With rubber grommet.

Colour	Code
Blue	SG4B
White	SG4W

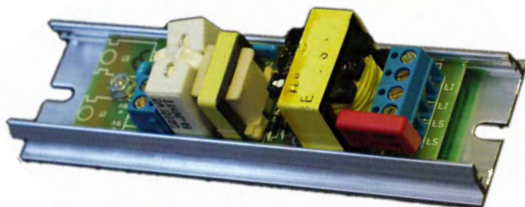


### FLUORO-INVERTERS

Replaces existing ballast.  
Run fluorescent lamps  
from a 12V or 24V source.  
Fit inside the tubes' base  
housing or optional external cover.  
Reliable, long lasting construction.



Watt	15-20W	15-20W	30-40W	30-40W
Vin	9-15Vdc	18-28Vdc	9-15Vdc	18-28Vdc
Size	130x40x30mm	110x40x30mm	150x40x30mm	150x40x30mm
Code	FL12-20	FL24-20	FL12-40	FL24-40



#### OPTIONAL COVER TO SUIT

The inverters can be installed inside the  
lamps casing or use this Snap-Fit cover.  
Reduces noise & hum. Aluminium.

Size	150x40x35mm
Code	FLC150



### LED LIGHTING AVAILABLE

#### SEE POWER & LIGHTING SECTION

Comprehensive range of LED lighting  
for dwelling installations with 12V and  
240Vac types available.



## □ Other Lighting

### 12V WARNING LAMP

#### AMBER EMERGENCY STROBE

Excellent solution for safety and  
emergencies. 12Vdc accessories  
plug Curly cord 1M to 2M long. Felt  
padded magnetic base bonnet or  
hood placement Rotating globe  
mirror Spare globe included 120mm  
Base 145mm High Orange (Amber).

Code  
TT1100



### WORK LIGHT

#### 12V FLUORO TUBE 13W

Bright fluoro lamp with hook for under bonnet,  
camp sites, etc. 12Vdc. Includes 3.0M cable  
to accessories plug. Special folded double  
lamp for extra bright. 370mm Long.

Code  
TT1104



#### LED WORK LIGHT

26X Super Bright LEDs. Rechargeable  
from mains or Car 12V. 435mm in length.  
Includes 12Vdc & 240Vac chargers.

Code  
WL3

### 12V ACCESSORIES PLUG LED TORCH

#### RECHARGEABLE 12V

Clever design where the torch barrel  
fits direct into a cars accessories  
socket for charging. Smart,  
convenient, stylish. Machined  
aluminium. 3x Ultra-bright LEDs  
Compact 65x27mmØ. Colour  
supplied will be random.  
Black, Blue, Red or Grey.

Code  
ALT1R1

More Torches: See Power Section



### LED TORCHES

#### EXTENSIVE RANGE

For our extensive range  
of torches for your  
glovebox, please see our  
Power & Lighting Section



SEE SECTION 08  
POWER & LIGHTING







## □ Amplifier Installation

## □ Amp Wiring Kits

### 0 AWG 2000 WATT POWER CABLE KIT

- 5.5m 0 AWG MAXCOR power cable with o-ring terminal preinstalled
- 0.8m 0 AWG MAXCOR ground cable with o-ring terminal preinstalled
- 5m 20 AWG MAXCOR trigger wire with fork terminal preinstalled
- ANL fuse assembly with 250A fuse
- Distribution T Block (1x0 Gauge Input & 2x4 Gauge Outputs)
- 0 AWG grommet
- 1.8m split loom tubing
- Cable ties included
- Hex key included for installation of fuse holder



Code

MX000

### 8 AWG 450W POWER CABLE KIT

#### 50A AGU FUSE & HOLDER

Amp power wiring kit provides you with blistering performance and uses up-spec'd components, stunning cosmetics and installer inclusions.

- 5.5M red 8 AWG power cable with O-ring terminal
- 0.8M black 8 AWG ground cable with O-ring terminal
- 50A AGU fuse with holder
- Hex key for fuse holder
- 8 AWG grommet
- 20 AWG blue trigger wire
- 6 pieces cable ties



Code

BSX008

### 8 AWG 450W MAX AMP WIRING KIT 2CH

5.5M red 8 GA power cable with O-ring terminal  
 0.8M black 8 GA ground cable with O-ring terminal  
 50A AGU fuse with holder  
 5M 2 male to 2 male RCA lead  
 20 GA blue trigger wire  
 1 x 2 channel RCA cable BASSIX Range (AP328BL)  
 1.8m split loom tubing  
 Supplied with all terminals & installation equipment.



Code

BSX208

### 8 AWG 450W MAX AMP WIRING KIT 4CH

4 channel 8 gauge 450W amp wiring kit provides you with value for money with up-spec'd components and maximum inclusions.

5.5M red 8 GA power cable with O-ring terminal  
 0.8M black 8 GA ground cable with O-ring terminal  
 50A AGU fuse with holder  
 2x 5M 2 male to 2 male RCA lead  
 8 GA grommet  
 20 GA blue trigger wire  
 4x fork terminals for speaker cable  
 4x small speaker terminals  
 4x large speaker terminals  
 12x cable ties  
 1.8M split loom tubing



Code

BSX408





## 2 AWG MAXCOR 1500 WATT POWER CABLE KIT

### AERPRO - MAXCOR 2AWG AMP POWER INSTALL KIT

MAXCOR wiring kits combine high quality components to ensure you receive blistering performance from your amplifier. All cables in the range are guaranteed to meet or exceed AWG (American Wire Gauge) Standards so you can be reassured you are delivering the maximum power and quality signal to your amplifier and speakers. The Soft Touch Super Flex (STSF) PVC insulation throughout the MAXCOR range allows cables to easily bend around tight corners with no loss in performance allowing for a neat and professional installation.

The MX02 will power up to a massive 1500W and includes everything you need to power up an amplifier. The kit is ideal for those who want to either upgrade their current power cables or already have RCA's and/or speaker cable. The kit includes; 5.5M 2AWG power cable, 0.8M 2AWG earth cable, 5M 20AWG trigger cable, 180A ANL fuse and fuse holder, distribution block, cable ties and all required professional fitting terminals. If you are looking for an installation kit that offers MAXIMUM performance, you can't go past MAXCOR.

Code

MX02



## 4 AWG MAXCOR 800 WATT POWER CABLE KIT

The MX04 will power up to a massive 800W and includes everything you need to power up an amplifier. If you are looking for an installation kit that offers MAXIMUM performance, you can't go past MAXCOR. The kit includes;

6M 4AWG power cable,  
0.8M 4AWG earth cable,  
5M 20AWG trigger cable,  
120A ANL fuse and fuse holder,  
cable ties and fitting terminals.

Code

MX04



## 8 AWG MAXCOR 800 WATT POWER CABLE KIT

The MX08 will power up to a massive 600W and includes everything you need to power up an amplifier. The kit is ideal for those who want to either upgrade their current power cables or already have RCA's and/or speaker cable.

The kit includes; 6M 8AWG power cable, 0.8M 8AWG earth cable, 5M 20AWG trigger cable, 60A ANL fuse and fuse holder, cable ties and fitting terminals.

Code

MX08



## 4 AWG MAXCOR 1000 WATT STEREO CABLE KIT

The MX24 will power up to a massive 1000W and includes everything you need to install a stereo or monoblock amplifier into your vehicle.

The kit includes; 6M 4AWG power cable, 0.8M 4AWG earth cable, 5M 20AWG trigger cable, 120A ANL fuse and fuse holder, 2 channel 5M RCA's, cable ties and all required professional fitting terminals. Unlike other amp installation kits in the market, the MX24 also includes 6 metres of 14AWG speaker cable.

Code

MX24



## 8 AWG MAXCOR 600 WATT STEREO CABLE KIT

The MX28 will power up to 600W and includes everything you need to install a 2 channel or monoblock amplifier into your vehicle.

The kit includes; 6M 8AWG power cable, 0.8M 8AWG earth cable, 5M 20AWG trigger cable, 60A ANL fuse and fuse holder, 2 channel 5M RCA's, cable ties and all required professional fitting terminals also includes 4 metres of 16AWG speaker cable.

Code

MX28



## 4 AWG MAXCOR 800 WATT QUAD CABLE KIT

The MX44 will power up to a massive 800W and includes everything you need to install a 4 channel amplifier into your vehicle.

The kit includes; 6M 4AWG power cable, 0.8M 4AWG earth cable, 5M 20AWG trigger cable, 120A ANL fuse and fuse holder, 2 x 2 channel 5M RCA's, cable ties and all required professional fitting terminals and also includes 16 metres of 14AWG speaker cable.

Code

MX44



## 8 AWG MAXCOR 600 WATT QUAD CABLE KIT

The MX48 will power up to a massive 600W and includes everything you need to install a 4 channel amplifier into your vehicle.

The kit includes; 6M 8AWG power cable, 0.8M 8AWG earth cable, 5M 20AWG trigger cable, 60A ANL fuse and fuse holder, 2 x 2 channel 5M RCA's, cable ties and all required terminals and also includes 13 metres of 16AWG speaker cable.

Code

MX48







## NAKAMICHI WIRING KIT 4 AWG - 2 CHANNEL

Amp wiring kit for wiring up a 2 channel Amp with up to 2000 Watts  
 6 Metres OFC copper power cable O ring terminated at one end  
 (Clear dark blue sheath - no tin on copper strands)  
 Mini anl fuse holder (with 200A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at one end  
 (tinned - clear silicone sheath)  
 12 Metres 14AWG speaker cable (To split to two channels)  
 5 Metres trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 1 x 5 Metres RCA cable with right angle connectors at one end

Channel	2 CH
AWG	4 AWG
Code	NAK204

Nakamichi®



## NAKAMICHI WIRING KIT 8 AWG - 2 CHANNEL

Amplifier wiring kit 2 channel car amp 8 AWG with up to 800 watts  
 6 Metres OFC copper power cable O ring terminated at one end  
 (clear dark blue sheath - no tin on copper Strands)  
 Mini anl fuse holder (with 100A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at One end  
 (tinned - clear silicone sheath)  
 12 Metres 14AWG speaker cable (To split to two channels)  
 5 Metres trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 1 x 5 Metres RCA cable with right angle connectors at one end  
 Attractive packaging

Channel	2 CH
AWG	8 AWG
Code	NAK208

Nakamichi®



## NAKAMICHI WIRING KIT 4 AWG - 4 CHANNEL

Amplifier wiring kit 4 channel 4AWG 2000W  
 6 Metres OFC copper power cable O ring terminated at one end  
 (clear dark blue sheath - no tin on copper Strands)  
 Mini ANL fuse holder (with 200A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at one end  
 (tinned - clear silicone sheath)  
 16 Metres 14AWG speaker cable (To split to four channels)  
 5 Metres of trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 2 x 5 Metres RCA cable with right angle connectors at one end  
 T connect - 444 with 8 AWG adaptor sleeves

Channel	4 CH
AWG	4 AWG
Code	NAK404

Nakamichi®



## NAKAMICHI WIRING KIT 8 AWG - 4 CHANNEL

Amplifier wiring kit 4 channel 8AWG 800 watts  
 6 Metres OFC copper power cable O ring terminated at one end  
 (clear dark blue sheath - no tin on copper strands)  
 Mini ANL fuse holder (with 100A fuse)  
 0.8 Metres OFC copper earth cable O ring terminated at one end  
 (tinned - clear silicone sheath)  
 16 Metres 14AWG speaker cable (To split to four channels)  
 5 Metres of trigger wire (clear blue silicone look) 18 AWG  
 Silicone terminals and accessories  
 2 x 5 Metres RCA cable with right angle connectors at one end  
 Attractive packaging

Channel	4 CH
AWG	8 AWG
Code	NAK408

Nakamichi®







## Speaker Cables

### PREMIUM QUAD OFC SPEAKER CABLE

#### FLAT SOUNDLINK UNDER CARPET CABLE

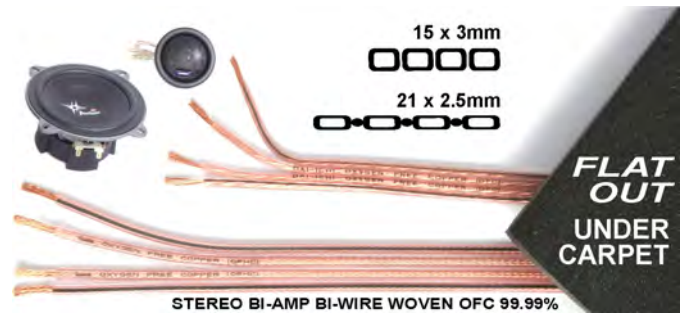
Four ply for Bi-Amping or stereo runs Flat for reduced cable capacitance and for under carpet, low-profile runs. Exceptional quality audio speaker cable \*Exotic woven ultra-thin 99.99% OFC 50M Reels (100M if split down the middle)

**4x 12AWG** 132x0.12mm [3x15mm Jacket]

Code  
OFC132

**4x 10AWG** \*384x0.07mm [2.5x21mm Jacket]

Code  
OFC384



### PREMIUM OFC SPEAKER CABLE

#### SOUNDLINK OFC SPEAKER CABLE

Twin pair High Grade Speaker 99.95% OFC with Clear Jacket that is highly flexible. Suit professional installations. On reels.

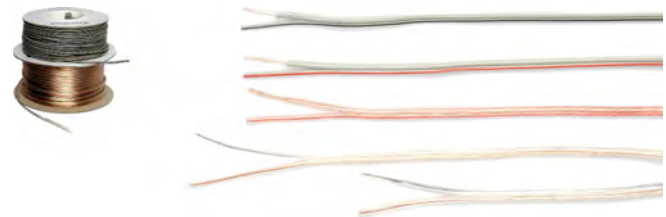
AWG	Length	Code
18AWG	50M	AIC335
18AWG	100M	AIC1335
15AWG	50M	AIC727
15AWG	100M	AIC1727
13AWG	50M	AIC745
13AWG	100M	AIC1745
11AWG	50M	AIC772
11AWG	100M	AIC1772
10AWG	50M	AP945



### GENERAL PURPOSE SPEAKER CABLE

Twin (Figure 8) hook-up wire Suit general purpose install Speaker connect up-to 100Wmax Flexible. Polarised. Copper. Supplied on 100 Metre Reels.

AWG	Length	mm	Jacket	Code
24AWG	100M	2x1.5mm	Grey	SPW1611
22AWG	100M	2x2.5mm	Grey	SPW1224
18AWG	100M	2x2.2mm	Clear	SPW2024
20AWG	100M	2x2.5mm	Clear	SPW1618
18AWG	100M	2x3.0mm	Clear	SPW1641



## Audio / RCA Cable

### SOUNDLINK OFC SHIELDED AUDIO CABLE

Low Loss 99.95% OFC & Aluminium Foil  
7mm OD Single Crimson

Length	Code
50M	AIC227

8mm OD Single Blue

Length	Code
50M	AIC228

4mm OD Twin Black

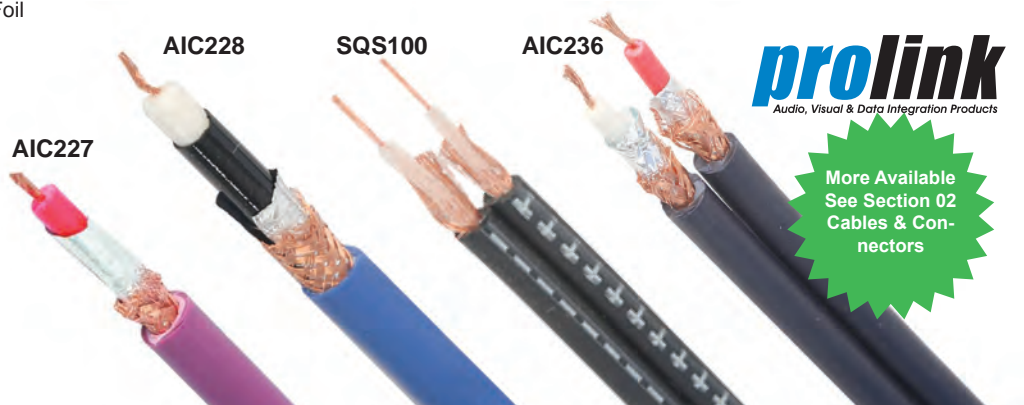
Length	Code
100M	SQS100

6mm ODx2 Twin Dark Blue

Length	Code
50M	AIC236

**More Available**

Other Cables and Plugs are Available:  
See CABLES & CONNECTORS Section



### HIGH QUALITY OFC INTERCONNECTS

**STEREO RCA TO RCA** 99.95% OFC Ready made Audio Connectors

Length	Code
0.1M	OFC606
0.8M	OFC607
1.5M	OFC608
3.0M	OFC612
5.0M	OFC614
8.0M	OFC615
15M	OFC616

**Y Connectors 0.1M**

Ends	Code
F To M/M	OFC622
M To F/F	OFC625







# Automotive

## Power Cable

### EXTREME-POWER OFC INTERCONNECT

Pure Oxygen-Free Copper Power Interconnect.  
Incredible current limits beyond measurement.  
Automotive grade red tinted outer jacket.  
For shorter lengths see our installation kits.  
Supplied on 30 Metre reels.

#### 2AWG 6.5mmØ + Jacket

Colour	Length	Code
Black	30M	BSX230B



### HIGH-POWER OFC INTERCONNECT

High Grade Flexible 99.95% OFC SoundLink in Red or Black.

#### 4AWG 180A 5.2mmØ Jacket 10mmØ

Colour	Length	Code
Black Clear	30M	BSX430B
Red Clear	30M	BSX430R

#### 8AWG 92A 3.3mmØ Jacket 7mmØ

Transparent Jacket. 50 Metres.

Colour	Length	Code
Red	50M	APC1280
Black	50M	APC1281



### LOW-POWER OFC INTERCONNECT

#### SINGLE WIRES FOR ACCESSORIES CONNECTIONS

Single multi-strand small gauge cable with 1.8mm O/D colour coded jacket for low power car accessories, trigger wires, etc.  
Rated peak 5A for short lengths. Supplied 100M Reels.

#### 20 AWG ACCESSORIES CABLE 100M

Colour	AWG	Code	for 100M
Black	20	AP916BK	
Red	20	AP916R	
Blue	20	AP916BL	
Green	20	AP916GR	
Yellow	20	AP916Y	
Orange	20	AP916OR	



#### 16AWG "TRIGGER" CABLE 100M

Colour	AWG	Code	for 100M
Orange	16	MX16100	

### AUTOMOTIVE TWIN POWER CABLE

Red & Black pair for speakers or DC power Extra thick PVC jacket for protection in high wear and hostile environments Multi-stranded copper litz wire pair Figure 8 cable. Supplied on 100M reels

#### 12AWG 15A HEAVY DUTY JACKET

61x0.18mm Strands. 2x4.5mm Jacket.

##### Code

AW1861

#### 18AWG 10A HEAVY DUTY JACKET

37x0.12mm Strands. 2x3.5mm Jacket.

##### Code

AW1237



EXTRA TOUGH JACKET 100M

## Heatshrink & Wraps

### AUTOMOTIVE SPLIT LOOM TUBING

Split down the middle for easy application & wiring. Protective ribbed casing, like a vacuum hose, so will bend for easy installation. Diameter does not stretch. Strength along the diameter. UV black ABS plastic.

Size	Code
7mm x 10M	PST7
10mm x 10M	PST10
16mm x 10M	PST16



REGULATION  
UNDER BONNET  
REQUIREMENT

10M

Recommended Cable Size by Power and Distance						
Total RMS	Distance from Amplifier to Battery					
	1M	2M	3M	4M	5M	
100 W	10 AWG	10 AWG	8 AWG	8 AWG	4 AWG	
200 W	10 AWG	8 AWG	8 AWG	8 AWG	4 AWG	
400 W	8 AWG	8 AWG	4 AWG	4 AWG	4 AWG	
600 W	8 AWG	4 AWG	4 AWG	4 AWG	4 AWG	
800 W	4 AWG	4 AWG	4 AWG	2 AWG	2 AWG	
1000 W	4 AWG	4 AWG	2 AWG	2 AWG	2 AWG	
1400 W	4 AWG	2 AWG	2 AWG	2 AWG	2 AWG	
Current Draw by Amp		Power Cable Specs				
Total RMS	Amps	Cable Size	Capacity			
100 W	15A	16 AWG	25A			
200 W	32A	2 AWG	225A			
400 W	64A	4 AWG	150A			
600 W	96A	8 AWG	100A			
800 W	128A	10 AWG	68A			
1000 W	160A	12 AWG	46A			
1200 W	172A	14 AWG	25A			
1400 W	188A	16 AWG	15A			





## □ Crimp Terminals

### QUICK DISCONNECT KIT

#### 300 PIECES

21cm box full of popular terminators Sizes 22AWG to 14AWG Ring, Spade, Bullet & quick disconnects Excellent crimp plug solution if only small quantities are required Clear compartment box Box 210x110x30mm

Code  
TMK300



### QUICK DISCONNECT FEMALE

TAB	AWG	Colour	Code	Per 100
2.8mm	22-18	Red	TM20111	
4.7mm	22-18	Red	TM20181	
4.7mm	16-14	Blue	TM20182	
6.4mm	22-18	Red	TM20251	
6.4mm	16-14	Blue	TM20252	
6.4mm	12-10	Yellow	TM20253	



### BULLET CONNECTORS MALE

TAB	AWG	Colour	Code	Per 100
4mm	22-18	Red	TM24151	
4mm	16-14	Blue	TM24152	
5mm	16-14	Blue	TM24192	
5mm	12-10	Yellow	TM24193	



### QUICK DISCONNECT MALE

TAB	AWG	Colour	Code	Per 100
2.8mm	22-18	Red	TM21111	
4.7mm	22-18	Red	TM21181	
4.7mm	16-14	Blue	TM21182	
6.4mm	22-18	Red	TM21251	
6.4mm	16-14	Blue	TM21252	
6.4mm	12-10	Yellow	TM21253	



### BULLET CONNECTORS FEMALE

TAB	AWG	Colour	Code	Per 100
4mm	22-18	Red	TM25151	
4mm	16-14	Blue	TM25152	
5mm	16-14	Blue	TM25192	
5mm	12-10	Yellow	TM25193	



### QUICK DISCONNECT INSULATED

TAB	AWG	Colour	Code	Per 100
2.8mm	22-18	Red	TM22111	
2.8mm	16-14	Blue	TM22112	
4.7mm	22-18	Red	TM22181	
4.7mm	16-14	Blue	TM22182	
6.4mm	22-18	Red	TM22251	
6.4mm	16-14	Blue	TM22252	
6.4mm	12-10	Yellow	TM22253	



### PIN TERMINALS

Insulated tin plated copper material. A secure connection with colour code.

TAB	Length	AWG	Colour	Code	Per 100
1.9mm	9mm	22-16	Red	TM32276	
1.9mm	10mm	16-14	Blue	TM32278	
2.8mm	13mm	12-10	Yellow	TM32280	



### BUTT SPLICES

AWG	Colour	Code	Per 100
22-18	Red	TM40001	
16-14	Blue	TM40002	
12-10	Yellow	TM40003	

Splices into an existing cable and an extra cable so as to "Tap" Inline without complication.



### TAP SPLICES

AWG	Colour	Code	Per 100
22-18	Red	TM42001	
16-14	Blue	TM42002	
12-10	Yellow	TM42003	



### SPEADE TERMINALS

Stud.	AWG	Colour	Code	Per 100
3.7mm	22-18	Red	TM11061	
3.7mm	16-14	Blue	TM11062	
4.3mm	22-18	Red	TM11081	
4.3mm	16-14	Blue	TM11082	
4.3mm	12-10	Yellow	TM11083	
5.3mm	22-18	Red	TM11101	
5.3mm	16-14	Blue	TM11102	
5.3mm	12-10	Yellow	TM11103	
6.4mm	22-18	Red	TM11121	
6.4mm	16-14	Blue	TM11122	
6.4mm	12-10	Yellow	TM11123	



### RING TERMINALS

Stud.	AWG	Colour	Code	Per 100
3.7mm	22-18	Red	TM10061	
3.7mm	16-14	Blue	TM10062	
4.3mm	22-18	Red	TM10081	
4.3mm	16-14	Blue	TM10082	
4.3mm	12-10	Yellow	TM10083	
5.3mm	22-18	Red	TM10101	
5.3mm	16-14	Blue	TM10102	
5.3mm	12-10	Yellow	TM10103	
6.4mm	22-18	Red	TM10121	
6.4mm	16-14	Blue	TM10122	
6.4mm	12-10	Yellow	TM10123	
8.0mm	16-14	Blue	TM10142	
8.0mm	12-10	Yellow	TM10143	







## Relays

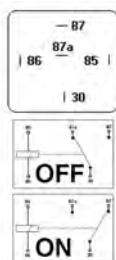
### AUTOMOTIVE RELAY

#### 30A SPDT 1/4"

"Bosch" Type Popular standard Single Pole Double throw 12V Coil 150mA  
6.35mm Spade lugs  
1 Inch<sup>3</sup> Plastic Mounting Tag  
Weather proof Switches 30A

#### Code

TW3415



### CAR RELAY WITH INBUILT FUSE

#### POPULAR 4 PIN AUTOMOTIVE RELAY

Universal Auto Relay 4 Pin DC 12V 30A  
With built-in fuse socket and mounting tag  
Includes 1x 30A blade type automotive fuse

#### Code

TW4330



### RELAY SOCKETS

#### SUIT TW3415

Popular standard Suit  
"Bosch" type High current  
30A Push-fit holders

#### 80CM WIRE LOOM

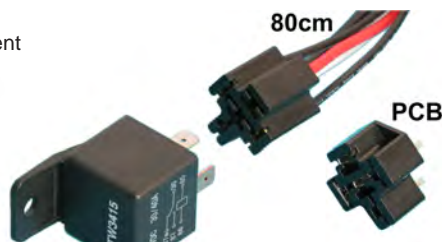
#### Code

TW3416

#### SOLDER TERMINALS

#### Code

TW3417



Relay Not Included

## LED & Lamps

### INDICATOR DIAL LAMPS 12V

#### CHROME BEZEL 10mm

Raised chrome bezel LED.  
5mm LED 12V. 8mmØ Hole.

#### Colour Code

Red PL6R  
Green PL6GN  
Yellow PL6YL

Incandescent Lamp 12V.  
8mmØ Hole. With lead.

#### Colour Code

Green PL5GN



### INDICATOR DIAL LAMPS 12V

#### PLASTIC LAMP 8mm

Incandescent globe.  
12V. 7mmØ Hole.

#### Colour Code

Red PL8R  
Green PL8GN

#### PLASTIC LAMP 22mm

Incandescent globe. Square  
bezel lamp. 12V. 15mmØ Hole.

#### Colour Code

Orange PL3



### INDICATOR & DIAL GLOBES 12V

#### SEE SECTION 10 ELECTRONIC COMPONENTS

As used in switches and dash  
indicators Fuse lamp 1/4x1 1/4" 3AG

#### Volts Code

12V 754-12

#### 3MM BI-PIN LAMP

#### Voltage Code

14V BIP3125

#### 5MM PUSH LAMP

#### Voltage Code

12V IL50-12



## Switches

### ARMING SWITCH

#### SPST TOGGLE 12V 20A

A universal nitrous arming  
switch ON-OFF position,  
Led indicator flip cover.  
12VDC 20A. 80x50x17mm.

#### Colour Code

Blue SW403BU  
Red SW403RD  
Green SW403GN



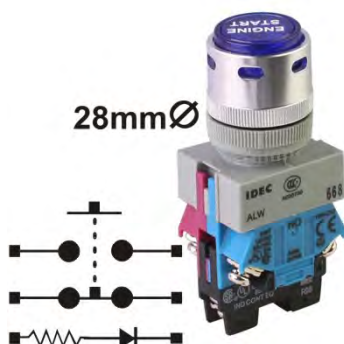
### IGNITION BUTTON

#### N/C & N/O MOMENTARY

Push Start Ignition Switch  
with LED indicator.  
N/O, N/C and  
indicator light.  
12VDC 20A.  
85x33x30mm.

#### Colour Code

Blue SW402BU  
Red SW402RD



### CUT-OFF SWITCH 100A

#### 12V/24V 100A

110x60mm Removable key

so you can take it with you  
to prevent unauthorized  
use of your boat, race car,  
industrial equipment, etc.

#### Code

SW401



### CUT-OFF SWITCH 400A

#### 60V EXTRA HEAVY DUTY

123x118x66mm

400A battery Cut Out  
Switch with removable key

#### Code

SW400







## Power

### Noise Filter

#### NOISE SUPPRESSOR

Direct mount Condenser Capacitor for general ignition noise suppression. 0.47 $\mu$ F EHV weather proof.

Code  
CNS2



#### NOISE FILTER 40A

##### CLEAN POWER 500W

15VDC Power through. 25A Nom. 40A Max.

##### INLINE TYPE

Code  
AP958

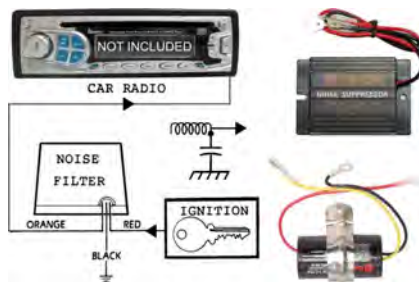


#### NOISE SUPPRESSOR FILTER

##### SQUARE FILTER

Choke and Cap Fire-wall mount Weather resistant

Current	Code
5 Amp	NS15S
10 Amp	NS20



##### ROUND VERSION

50mm $\varnothing$  w/ bracket

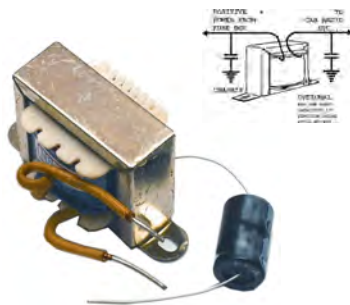
Current	Code
5 Amp	NS15R

#### NOISE SUPPRESSOR KIT

##### 12V "Hot Line" FILTER

Comprises of one choke, 6mH(5A) or 3mH(10A) & a Cap. For noisy ignition, etc.

Value	Code
6mH	NS5
3mH	NS10



## Capacitors

#### 1-2 FARAD STIFFENING CAPACITOR

##### PREMIUM DYNAMICS

20 Volt High Current E.S.R.  
0.00198 Ohm  
4 Digit Voltage Display  
Bolt contacts

Capacitance	Value	Size	Volts	Code
1,000,000 $\mu$ F	1F	250x75mm $\varnothing$	20Vdc	AP-PC10



### 12VDC Power Accessories

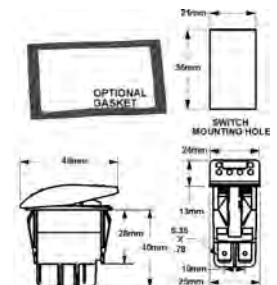
#### PREMIUM AUTOMOTIVE SWITCH

##### 20A 12V ROCKER SWITCH

Carling Technologies Weather resistant High temperature Heavy duty long life 20A Low voltage (12V) Affirmative action Quality feel & touch Illumination option All 1/4" Spade connectors

Requires mounting gasket

Code  
SW-GASKET



#### NON-ILLUMINATED

##### TOGGLE

Pole	Type	Code
SPST	ON/OFF	SW-V1BA
DPST	ON/OFF	SW-VABA
SPDT	ON/OFF	SW-V4BA
SPDT	ON/OFF/ON	SW-V6BA
DPDT	ON/OFF/ON	SW-VJBA



##### MOMENTARY

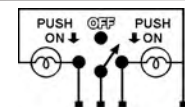
Pole	Type	Code
SPST	ON/OFF	SW-V2BA
SPDT	ON/OFF/ON	SW-V8BA
DPDT	ON/OFF/ON	SW-VLBA
GASKET		SW-GASKET

#### ILLUMINATED RED-BAR

##### TOGGLE

Push on. Lamp indicator. 12V Attractive Red-Bar style.

Pole	Type	Code
SPST	ON/OFF	SW-V1DAB1
DPST	ON/OFF	SW-VADAB



##### DUAL BAR TYPE

Pole	Type	Code
SPDT	ON/OFF/ON	SW-V6DAD
GASKET		SW-GASKET

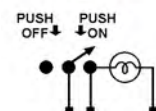


#### ILLUMINATED RED BEZEL

##### TOGGLE

Push on toggle actuator. RED Lamp indicator. 12V. Attractive easy grip style.

Pole	Type	Code
SPST	ON/OFF	SW-V1DAB2
GASKET		SW-GASKET



#### ILLUMINATED GREEN BEZEL

##### TOGGLE

Push on. Lamp indicator. 12V White opaque square window Independent 12V LED Wiring. Only the one indicator in DPDT.

Pole	Type	Code
DPST	ON/OFF	SW-VAD1
DPDT	ON/OFF/ON	SW-VJD1
GASKET		SW-GASKET





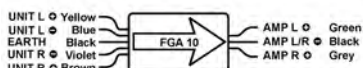


## Converters / Isolators

### FLOATING GROUND ADAPTOR

Converts car stereo outputs that are floating earth (BTL) into common ground for connection to Equalizer/Boosters etc. which have common ground in.

Code  
FGA10



### GROUND LOOP ISOLATOR

#### STEREO 2xRCA I/O

Stereo audio 4K Ohm RCA Gold RCA plugs to sockets. Kill buzzes and hum in Car stereo, PA, etc. Fr = 40Hz-40KHz  $\pm 3\text{dB}$

Code  
ES11



#### DELUXE METAL

Fr = 10Hz-100KHz

Code  
AP305



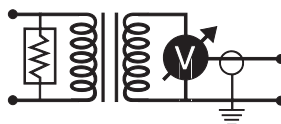
### SPEAKER TO RCA CONVERTER

#### STEREO ISOLATOR

Connect speaker out wires to a high power amplifier with RCA connection inputs. Total earth isolation with high quality core transformers.

Adjustable output levels 10-80dB  
Fr = 10Hz g 50KHz  $\pm 1\text{dB}$   
Base 65x90(x28H)mm

Power Code  
30Wmax AX-HL  
100Wmax AP3042



### VIDEO SYSTEM CONVERTER PAL/NTSC

#### NTSC/PAL/SECAM

RCA Composite Video In/Out in a compact 12Vdc package. Automatically accepts any video system input and then converts it to a system as selected by dip switches. Premium picture quality and stability from digital conversion and filtering technologies 6 Meg buffer for jitter-free 8 Bit RGB Conversion 13.5MHz 50/60Hz frame rate conversion.

Code  
ADC-660



### HI TO LOW LEVEL CONVERTER AND LINE DRIVER

Convert your existing cars factory head-units high level (speaker output) into a line level (RCA) output and allowing you to add on an after-market amplifier speakers or subwoofer.

Code  
APHL2



## Crossovers

### SUBWOOFER X-OVER

Stereo 12dB Low-pass 12V active filter for subwoofer. Adjustable output levels 80/125/250Hz LP switch S/N 100dB THD 0.02%

Base Code  
65x90(x28H)mm AX100



## Audio Plugs & Adaptors

### FORD BA/BF TERRITORY AUX ADAPTOR

Allows MP3/iPod®/Media player to connect direct to factory radio using the in-built Ford Auxiliary socket. Ford 5 Pin to 2 RCA Sockets. 1.5 metre length. Includes 3.5mm Stereo to 2 male RCA plug Lead. Connect to orange Auxiliary socket located near fuse box under dash and Press AM button on the factory radio to switch to select Auxiliary.

Code  
AFD2AUX







## □ Adaptors / FM Transmitters

### FM MOD & CRADLE FOR 30 PIN IPOD/IPHONE

This FM transmitter docking station accepts audio from the previous model of iPhone® 4 or earlier and iPod® 6th gen or earlier, iPod® classic, iPod® Nano 6th gen or earlier, through the Apple® 30pin connector. It also support audio input from other portable devices such as a MP3 player or CD player through a 3.5mm aux input.

Code  
ADM1501



### FM MODULATOR & CRADLE WITH IPOD® 30 PIN

FM Hands-Free cradle Car kit and FM Audio Transmitter With Accessories Plug Mount Holder and iPhone® iPod® Charger. LCD Frequency display.

Code  
CRA9003



### USB CHARGER & FM MODULATOR KIT

#### FM MODULATOR FOR MP3

Universal installer unit suits a majority of MP3 CD/DVD Media players, etc. Includes FM Modulator Digital LCD Tune display PLL FM Stereo locked Accessories power unit for USB Charging. 3.5mm or 2.5mm Stereo Line audio connection

Code  
ADM150TC



### USB CAR CHARGER WITH FM TRANSMITTER

The FM Transmitter allows you to play music from your mobile device from 3.5mm to your FM car stereo unit. 2A USB charging (cable required).

Code  
ADM200TC



### FM MODULATOR WITH IPOD® 30 PIN

#### FM TRANSMITTER

Inline style unit Two channel FM transmission Plug direct iPod® into car FM radio.

Code  
AP7481



### CASSETTE INPUT ADAPTOR

#### 3.5mm AUDIO to Cassette

Allows an older cassette car stereo to accept an input from a portable unit Like iPod®, MP3, etc. Transmits stereo through the Cassette deck. Simple! Single head works in one direction. Twin head works in either auto-reverse directions.

Type	Code
Single Head	HN-1205
Twin Head	HN-1206



### PORTABLE MP3 & CD CASSETTE ADAPTOR

For connecting a portable CD or MP3 player to your car tape deck. Also included a 800mA DC power adaptor to power your portable player through your car's accessory port.

Code  
CA706



### USB/SD MUSIC PLAYER & FM TRANSMITTER

Car MP3 Transmitter flash drive. This unit can play hours of music stored on your own USB flash drive or SD Card. Simply plug this into your car accessories socket then tune in the music through the car FM radio. Play Stop FF-Rew buttons. Reads MP3 Files. Plus 3.5mm Input with lead.

Code  
FMT220



### FM MODULATOR PLUG

#### ACCESSORIES PLUG TX

Simply plug the attached 3.5mm stereo lead into your MP3 media device Tune your car radio in to your personal FM Station That's it! Sound on the go! 88.1/88.3/88.5 selector to dodge interference. Compact simple economical FM Stereo. 3.5mm lead inc.

Code  
AMPFMT35



### FM MODULATOR IN-DASH INSTALL

#### RCA-IN TRANSMITTED TO FM-OUT

Allows you to Tune-In to an MP3 player or other external media device via RCA so you can listen to your music on the go! Direct inject antenna lead PLL tuning. Switch between 88.1 and 88.3MHz. Direct 12Vdc in. Plugs inline to car antenna.

Code  
AV8FM2







## □ Car Handsfree - No Installation Type

### DRIVESAFE 5000 INSTALLER KIT WITH PHONE BOOK DISPLAY

#### CONNECTS TO EXISTING STEREO SPEAKERS

The DS5000 is a handsfree car kit for manual Installation. It is a feature packed Bluetooth® Car Kit with Phone Book synchronisation. Includes a base CPU for behind dash installation and an on-dash display unit with control buttons. Wires into the existing car stereo speaker connections (ISO quick connectors) or use the external speaker included with the kit.

- DSP Bluetooth® car kit
- Phone book synchronisation
- Support 4 phone books
- Maximum 2000 phone contacts
- Incoming calls through car speaker
- With auto car stereo music mute
- OR connect the external speaker box
- Announce caller telephone no
- Call transfer and Call waiting
- 40 calls memory for recall
- Rotary volume control & menu
- LCD display 128x64 dot matrix



Bluetooth® V2.0

Pairable for 4 devices

Profile : Headset and Handsfree

Frequency : 2.4 G

Max. Communication Distance 10M

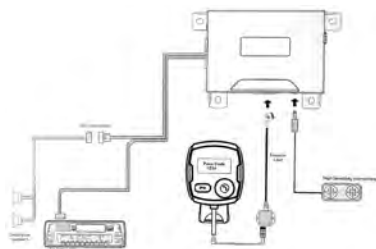
Speaker 120x60x55mm

CPU 120x80x27mm

Controller 70x65x30mm

Code

DS5000



### BLUETOOTH HANDSFREE WITH FM - COMPACT

#### HANDS FREE THROUGH CAR STEREO

Connects to your phone via Bluetooth®. Connects to any car audio system via the FM Radio via built-in transmitter or via 3.5mm AUX audio. No installation required solution. Inbuilt advanced microphone pickup Noise cancelling and reduced echo, etc. Includes 3.5mm stereo audio output on the unit for directly connecting to an audio amplifier (Car Stereo 3.5mm input) or use as a mini personal Bluetooth receiver with headphone output. Automatically mutes audio and switches to the call. Updates any car audio system to a modern Bluetooth® handsfree compatible unit that plays stereo audio from your phones media player! Extra compact. Rechargeable (charger inc.) with Volume, FF/REW, Play/Pause, Answer/Hang-up button control. Very compact: 33x56x14mm

Code

ABT300



#### Included Accessories:

- 3.5mm Audio lead
- USB Charging Cable
- Pair of Ear-phones
- 12/24V Car Charger head

UP TO 10 Hrs TALK TIME  
UP TO 400 Hrs STANDBY TIME



**Aerpro**  
First Choice

USE AS A MINI PERSONAL AUDIO PHONES PLAYLIST



33mm x 56mm x 14mm





## BLUETOOTH HANDSFREE CAR VISOR - CELLINK

### DUAL PHONE SLIM VISOR MOUNT

Full duplex with echo cancelling and DSP Noise Reduction.  
Multi-point connection to two phones at the same time.

- Last Number redial
- Call transfer back to phone
- Support voice dialing
- Text to speech modes
- Volume up and down
- Mic mute on/off
- Last number redial

Bluetooth® 2.1 + EDR  
Pairable device: memorised 8 pcs  
Profile: Headset / Handsfree  
Max. operating distance: 10M  
Talk time: Up to 50 hours  
Standby time: 500 hours  
Charge Time: <3 Hours  
Unit size: 120 x 58 x 12.8mm

Code  
DS4500



## BLUETOOTH HANDSFREE AUX RECEIVER

The Aerpro ABT510B is a universal Bluetooth handsfree car kit suitable for all vehicles with AUX input and for all mobile devices with Bluetooth. The ABT510B is both easy to use and easy to install, with up to 5hrs talk time, Bluetooth streaming, high capacity built in rechargeable battery, echo and noise cancelling and with a micro USB charging cable the ABT510B is ideal for anyone wanting to make calls or stream music.

Code  
ABT510B



## BLUETOOTH HANDSFREE ACCESSORIES PLUG

### WITH FM TRANSMITTER & USB CHARGER

Allows you to answer phone calls and play music from your smartphone through your car stereo via FM radio transmission. Support Bluetooth handsfree phone calls. Plug into car with 12V/24V socket. Dual USB power outlets 5V/2.1A & 5V/1A. LED display to show the FM frequency.

Code  
FMT280



## BLUETOOTH HANDSFREE KIT - CAR VISOR

### CAR VISOR MOUNT

Universal Handsfree Bluetooth® Speaker Phone car kit Full duplex. DSP: Noise suppression processor and built-in echo cancellation. Built-in rechargeable battery. Bluetooth® V2.0+EDR, Class II Range up to 10 metres. Charging time approx 2-3 hours. Use time; Up to 4 hours. Standby time: Up to 30 days. Compatible with Bluetooth® enabled mobile phones. Controls for volume and answer/hang-up button. Visor clip & 12V Charger.

Code  
ABT350



## BLUETOOTH HANDSFREE KIT

### CAR DASH MOUNT

Bluetooth® handsfree car kit with DSP echo cancellation

- Bluetooth® V2.0 CSR BC5
- Bluetooth® profiles: HSP,HFP
- Function range: 10 Metres
- Charging Time: 4 hrs
- Talk time: 10 hrs
- Standby time: 168 hrs
- Dimension: 90x 47x15mm
- Full DSP Echo cancellation
- Call transfer between
- Car kit and Phone



Code  
ABT500







## 12VDC Power Accessories

### ACCESSORIES EXTENSION

#### EXTENSION LEAD

1.2 Metre Curly 10A

Code  
CA600



#### DUAL HEAD R/A

Right angle side entry or  
Locking angle adjustment.

Code  
API89192



#### DUAL HEAD

Locking angle pair.

Code  
CAS2



#### SOFT SPLITTER

5A Fused Drop cable  
type Accessories only

Code  
DCL30



#### HARD SPLITTER

15A Fused Sturdy hold type  
High temp ceramic 12V  
Sockets Accepts lighter

Code  
DCP320



#### TRIPLE ADAPTOR

Loose cord type 2x (3x) 3A  
Sockets 1x High-Temp Socket

Code  
DCP330



### MEDIA ACCESSORY CHARGER

#### USB CHARGER & SPLITTER

Powers via USB Socket Outputs 5V 1A.  
Great battery saver or charger solution.  
Extra 12Vdc sockets for phones, GPS, etc.  
15A Fuse protected. 1x USB & 3x 12Vdc

Code  
CAS-3USB



### ACCESSORIES X3 + USB

#### 3 WAY LED 12V SOCKET ADAPTOR UNIVERSAL WITH USB

Three way 12V DC sockets with 5 Volt USB socket (5V/500mA).  
Converts single 12V Accessories socket to 3 sockets. Blue LED  
illumination. Total capacity 10 Amps. Size : 115x45x30mm

Code  
APL3USB



### IN CAR CHARGING HUB AERPRO

Car accessory socket to 3x car accessory sockets + 2x USB ports  
For charging most types of mobile devices (Requires charging cable)  
Suits: 12V/24V

Input Voltage: DC 10.0~28.5V

USB Output: DC 5.0±0.2V

Total Capacity: USB 3.1A+Sockets 8A

Code  
APL32USB



### ACCESSORIES SOCKET REPLACEMENT USB-USB

#### 12V ADAPTOR SOCKET UNIVERSAL WITH USB INPUT

This is a replacement Accessories  
socket that connects to USB head unit  
input socket - Not Illuminated

Code  
APUSB2



### ACCESSORIES SOCKET REPLACEMENT USB 2.1A

#### 12V ADAPTOR TO USB CHARGER 2.1A

This is a replacement Accessories adaptor  
socket that provides 5v USB charge at  
2.1A. Illuminated bezel.

Code  
APUSBE



### ACCESSORIES SOCKET REPLACEMENT USB+3.5mm

#### USB CHARGER 0.5A + 3.5mm SOCKET TO 2X RCA PLUGS

This is a replacement Accessories socket  
that provides 5v USB charge. 3.5mm  
stereo socket to RCA. Illuminated bezel.

Code  
APUSB35E



### USB CAR CHARGER WITH FM TRANSMITTER

The FM Transmitter allows you to play music from your mobile device  
through your FM car stereo speakers. USB charging (cable required),  
the 2A charger offers fast recharge speed for your mobile devices.

- FM Transmitter with 3.5mm Audio Jack to connect to your mobile phone and mobile devices.
- LCD displays frequency
- Transmits FM 87.5 to 108MHz
- 2A output for quick charging
- Overcharge and short circuit protection
- Suitable for most mobile devices.
- Requires charging cable for recharge.
- 12 - 24V



Code  
ADM200TC



### FLUSH PLUG USB 2.1A WITH PHONE HOLDER

Features 2.1A USB car charger and phone holder that suits devices  
from 42mm to 73mm wide. Adjustable angle.

Code  
APH364



### CAR ACCESSORIES USB TRIPLE CHARGER

#### 3 USB PORT CHARGER 4A

In car adaptor with 3 USB inputs for charging all kinds of smart phones  
including tablets and all iPod®, iPhone®, iPad®, etc.

Suits 12V/24V

Input Voltage DC 10.0~28.5V

USB Output DC 5.2±0.2V

Total capacity 4,500mA

Code  
APL30USB







### USB 1A

Type	White Socket
Out	1x USB
Iout	1A
Input	12VDC
Code	API89113



### USB 2.1A

Type	High Power
Out	1x USB
Iout	2.1A
Input	12-24VDC
Code	CAS-7USBI



### USB 4.2A DUAL

Smart charger Dual circuit 2x 2.1A each.

Type	High Power
Out	2x USB
Iout	4.2A
Input	12-24VDC
Code	CAS-9USBI



### USB 1A COMPACT

Type	Flush USB
Out	1x USB
Iout	1A
Input	12VDC
Code	ELI1004



### USB 2x PORT CAR CHARGER 2.1A & 1A

Two outputs, separate 1.0A and 2.1A regulated.

Colour	Code
Black	ELI1012BK
White	ELI1012WH



### FLUSH PLUG USB 2.1A

Flush to socket with one USB socket for power/charge up to 2.1A.

Amps	2.1A
Code	USBM21



### FLUSH PLUG USB 3.5A DUAL

Flush to socket with two USB sockets for power/charge up to 3.5A.

Type	Flush Dual
Amps	3.5A
Code	USBM35



### USB 2.1A DUAL

Type	Flush Dual
Out	2x USB
Iout	2A Max
Input	12-24VDC
Code	ELI1003



### FLUSH PLUG USB 3.1A DUAL

Type	Flush Dual
Out	2x USB
Iout	3.1A
Input	12VDC
Code	ELI1006



### FLUSH PLUG USB 3.1A DUAL

Flush to socket with two USB sockets for power/charge up to 3.1A.

Type	Flush Dual
Amps	3.1A
Code	USBM22



### USB CAR CHARGERS 3.6A AERPRO

#### DUAL FAST CHARGING 3.6A

Smart USB port charger. USB 1 is optimised for Apple devices and USB 2 for Android devices.

Code	APL36
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### USB CAR CHARGERS 5.4A AERPRO

#### TRIPLE FAST CHARGING 5.4A

Smart triple USB port charger USB 1 is optimised for Apple devices, USB 2 & 3 are optimised for Android devices.

Code	APL54
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### USB 3 PORT SMART CAR CHARGER 6.6A TP-LINK

#### ADVANCED CIRCUIT DESIGN AGAINST OVER-CHARGING & SHORT CIRCUIT ETC

Smart Charging technology three 2.4A USB outputs (Total 6.6A output) 33W.

Code	CP230
------	-------



### USB TYPE 3.0 + USB-C CAR CHARGER

USB A port: Quick Charge 3.0 technology, up to 18W: 3.6-6.5V/3.0A, 6.5-9V/2.0A, 9-12V/1.5A(Max). Type-C port: 5V/3A output, reversible design and fit for latest Type-C tablets and smartphone devices

Code	ELI1032
------	---------







## CAR CHARGER APPLE APPROVED 2.1A

### MFI CERTIFIED

12V Charger to suit iPhone® and New Generation iPod® with Lightning connector  
2.1 Amp  
0.6 Metre lead

#### Code

ADM65



## LIGHTNING CAR ADAPTOR APPLE® CERTIFIED

### 12V CHARGER FOR IPHONE® & IPOD®

2.1A 12V USB charger with single USB Port  
1 Metre iPhone® Lightning Cable for Charging & Sync.

#### Type

Lightning 2.1A

#### Code

ADM75



## LIGHTNING CAR CHARGER 1A + 2A

Dual USB with 5VDC 1A & 2.1A output. Charge or sync your iPhone® 5, iPad® mini or iPad® with Retina Display (4th generation) at the fastest possible speed. Supplied with lightning data cable.

#### Type

USB A Female Twin

#### Out

5Vdc

#### Iout

1A + 2.1A

#### Input

12-24VDC

#### Brand

Cellink MFI Certified

#### Code

ELI9052 ELI9075



## LIGHTNING CAR CHARGER 3.1A DUAL USB

### MFI DATA CABLE 1.2M

Dual USB with 5Vdc 3.1A total intelligent output. Supplied with lightning data cable. MFI Approved.

#### MFI

Yes

#### Amps

3.1A Total

#### Code

ELI9078



## MICRO USB FEMALE TO LIGHTNING ADAPTOR

The micro USB to Apple lightning adaptor allows the user to charge their Apple device and transfer data between it and their computer or notebook.

#### Code

AD9074WH



## LIGHTNING DATA & CHARGE CABLE AERPRO

### OPTIONAL APPLE® COMPLIANCE

Separate USB cable to Lightning iPhone® / iPad® for data and also charging up to 2.1A (depending on USB source current). Deluxe reseller packaging.

#### OEM

Apple Original

#### Type

1M

#### Length

MDC9071

Aerpro Licensed

1M

APL105

Cellink Compatible

1M

MDC9070BK

Cellink Compatible

1M

MDC9051

Cellink Compatible

2M

MDC9051-2

Cellink Compatible

3M

MDC9051-3



## CAR CHARGER LIGHTNING 1A

Apple® lightning curly lead 75cm Not MFI.

Plug	Amps	Cord	Colour	Code
Lightning 1A	1A	Curly	White	ELI9073WH
Lightning 1A	1A	Curly	Black	ELI9073BK



## CAR CHARGER LIGHTNING 1A

Plug	Amps	Cord	Colour	Code
Lightning 1A	1A	Curly	Black	ELI9070BK
Lightning 1A	1A	Curly	White	ELI9070WH



## CAR CHARGER DUAL USB & LIGHTNING

### NOT MFI

Apple® lightning plug. Rear of plug has a USB socket Plus a 75cm curly lead to Lightning plug, not MFI. Two styles / currents available Amps is Total.

Amps	Colour	Code
2.1A	White	ELI9076
2.1A	Black	ELI9077
3.1A	White	ELI9074WH
3.1A	Black	ELI9074BK



## CAR CHARGER IPOD® 30 PIN DOCK CONNECTOR

Amps	Colour	Code
1A	White	ELI9002
1A	Black	ELI9003
2A	White	ELI9004
2A	Black	ELI9005
3.1A	White	ELI9007
3.1A	Black	ELI9006



## CAR CHARGER 3 IN 1 APPLE DOCK 2.1A

With micro USB, Apple® 30 pin and lightning connector. Curly cord 0.6 to 1.5M.

#### Code

ELI1011







## MICRO USB CAR POWER ADAPTOR

Suits many Android® devices.

Plug	Amps	Code
Micro USB Male	1A	ELI1001



## MICRO USB STRAIGHT CABLE

Plug	Amps	Code
Micro USB Male	1A	ELI1012

## CAR CHARGER DUAL MICRO-USB + USB

### USB SOCKET AND MICRO-USB PLUG

Curly cord. Charge two devices simultaneously. 12V-24Vdc.

Colour	Amps	Code
Black	1.0A	ELI1025
Black	2.1A	ELI1020
White	2.1A	ELI1021
Black	3.1A	ELI1008
White	3.1A	ELI1009



## CAR CHARGER MICRO-USB REVERSIBLE 2.1A

### REVERSIBLE MICRO-USB PLUG

High power car charger.  
Curly lead to Micro USB.  
USB Socket for dual out.  
12-24Vdc in, 5V 2.1A Total.

Colour	Amps	Code
White	2.1A	ELI1023
Black	2.1A	ELI1022



## CAR CHARGER AERPRO MICRO-USB 2.1A

### WITH MICRO USB DATA CABLE

High power car charger with  
1M micro USB charging cable.  
12/24V 2.1A.

Code
ADM421



## CAR CHARGER DUAL WITH MICRO USB 2.1A+1A

Bonus 75cm USB to micro USB lead included.  
2.1A + 1.0A outputs.

Colour	Code
Black	ELI1010BK
White	ELI1010WH



## MOBILE PHONE

### ELI SERIES

CARMAX In Car Chargers Available from Cellink Compact replacement type 12Vdc car chargers suit Mobile phones, PDAs, GPS, and more...

### CELLINK

Ask for a Catalogue! or visit:  
[www.cellink.com.au](http://www.cellink.com.au)



## CAR CHARGER MINI-USB

### 12VDC ACCESSORIES PLUG

Outputs to Mini-USB straight or right-angle type plugs.

Type	Amps	Code
Straight Cord	2A	ELI5723
Curly Cord	1A	ELI1026
Curly Cord	2.1A	ELI1018
Right Plug	2A	ELI5725
Left Plug	2A	ELI5726



## CAR CHARGER USB UNIVERSAL MOBILE KIT 2.1A

### APPLE® CERTIFIED

2.1A Universal Mobile charger with various connectors for charging. Apple® certified. This includes the Apple 30 pin dock connector that is suitable for Apple Motorola®, Nokia®, Samsung®, and Sony® model mobiles.

Code
APL50



## UNIVERSAL USB CAR CHARGER

### REGULATED POWER

Universal USB power adaptor supplied with 8 different output plugs, suitable for charging a wide range of mobile phones (Nokia, Motorola, Sony Ericsson, Samsung, LG & Mini USB), digital cameras, MP3 players & other portable USB devices. Input Voltage - 12-24VDC. USB Output Voltage - 5VDC 1A.

Code
USB300



## GAME CONSOLE POWER

### PSP® CAR POWER

Code
ELI-PSP

### PS-II® SLIM

Code
ELI-PS2

### GameBoy® SP

Code
ASP1002

### GameBoy® Micro

Code
ELIGB101

### DS-LITE®

Code
ELIGB100



## CAR CHARGER IPOD® 3.5mm SHUFFLE

Type	3.5mm Quad
Volts	4.5Vdc
Amps	1A
Input	12V DC
Code	ELI-A100







## 12VDC CAR ACCESSORIES LEAD

Car Accessories Plug Heavy Duty

Plug	Fuse	Length	Code
2.1mm DC	5A	2M	DCL21
2.5mm DC	5A	2M	DCL25
Bare Wire	5A	2M	DCL18
Bare Wire	8A	5M	DCL50



## DC LEAD 2A

WITH DC PLUGS

Car Accessories Plug 2M Long lead Fused 2 Amp Includes 8 popular DC Type plugs

Code  
MW-CP1



## IN CAR DC POWER ADAPTOR

12V-24V IN TO 12VDC REGULATED OUT

Supplies 1A Maximum regulated 12Vdc with over-load and short-circuit protection.

Input	DC 12-24V
Output	12V 1A
Barrel	5.5mm
Size	2.1mm
Plug	Pos. Tip
Code	CARP1000



## 12VDC-DC CONVERTER 800mA

ADJUST 3-12V

Battery eliminator Converts Accessories to 3/4.5/6/7.5/9/12 Volts Regulated output. Fused 800mA Maximum Current 500mA Continuous power Includes 6x DC Plugs

Code  
CA709



## 12VDC-DC CONVERTER 1A

SWITCH-MODE UNIVERSAL

12Vdc Accessories to 1.5/3/4.5/5/6/9/12Vdc 1A Fully Regulated Suit games, CDs, etc. Includes 6x DC Plugs.

Code  
SDR0121A



## 12VDC-DC CONVERTER 3A

SWITCH-MODE UNIVERSAL

12Vdc Accessories to 1.5/3/4.5/5/6/9/12Vdc Up to 3A Regulated 36W Suit games, CDs, etc. Includes 6x DC Plugs.

Code  
SDR3000



## 12VDC TO UNIVERSAL 60W

5A REGULATED 5-12V

12Vdc accessories input 5/6/9/12VDC @ 5000mA 4 popular plugs included "R" Plugs compatible

Code  
SDR60W



## 12VDC TO UNIVERSAL LAPTOP 70W

70W STEP-UP V

12Vdc Accessories in. 15/16/18/19/20Vdc @ 3.5A 22/24Vdc @ 2.9A Output. Suitable for Laptops, etc. Includes 5x DC Plugs.

Code  
SDR70W



## 12VDC TO UNIVERSAL 125W

12Vdc accessories input 15/16/17/18/18.5/19/19.5/20VDC @ 6A 21/22/24VDC @ 5A USB 5V @ 1A 9 popular "R" plugs included

Code  
SDR125WUSB







## 12VDC TO UNIVERSAL LAPTOP 120W

### 120W STEP-UP V

12Vdc Accessories in.  
15/16/18/19/20Vdc @6.0A  
22/24Vdc @5.0A Output.  
Suitable for Laptops, etc.  
Includes 5x DC Plugs.

Code  
SDR120W

Includes  
Plug for  
Dell Laptops



## 12V OR 24V TO UNIVERSAL LAPTOP 150W

### 150W STEP-UP POWER SUPPLY

12 or 24Vdc Accessories input.  
15/16/18/19/20Vdc @8.0A  
22/24Vdc @6.0A Output.  
Suitable for Laptops, etc.  
Includes 5x DC Plugs.

Input Code  
12Vdc SDR150W  
24Vdc SDR24120



## BC10 INTELLIGENT UNIVERSAL POWER ADAPTOR 90W

### MULTI-VOLTAGE LAPTOP SOLUTION 90W

Car accessories 12V replacement solution. No voltage switch to worry about or knock! Simply select the correct plug to suit the specific type of laptop and that's that! This adaptor automatically determines the correct voltage required and regulates constant supply for powering and charging. Intelligent power for smart people! High efficiency switch-mode type with 8A fused accessories plug LED display of voltage output. Voltage selected depends on plug. Plugs are BS10 type.

#### • KIT INCLUDES TEN PLUGS

- Car accessories powered adaptor to suit a majority of laptops. Outputs 12Vdc to 24Vdc up to 90W. Voltage auto selected by plug chosen. Includes 10 Plugs BC10-RA to RH, RJ & RK. Details of these plugs are listed with BS10. More plugs are also available.

Power Code  
90W LS-CR90AA



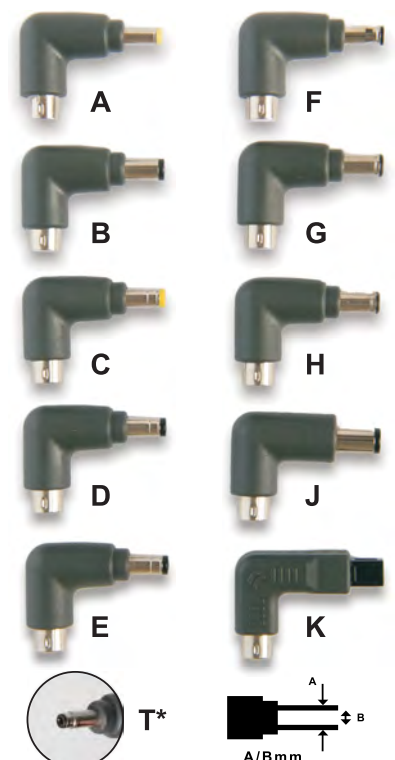
## BS10 PLUGS - RIGHT ANGLE

Right angle plugs to suit LS-CR90AA

Please choose the correct plug to suit your specific brand of laptop. \*Are supplied in the above kits.

NOTE: \* A to H, J & K types are already supplied with the chargers. The entire range of plugs are now all available separately in right-angle. These plugs will all suit PAB90-BC10, PAB90AL, PAB120AA, and LS-CR90AA power supplies. Select the specific plug to suit your specific laptop, then plug and go!

Volts	Current	Plug	Brand	Code
18.5V, 19V	4.90A, 4.75A	EIAJ-03	*HP/Compaq, Delta Asus NEC	BC10-RA
15V	6.00A	6.3/3.0mm	*Toshiba NEC	BC10-RB
19V	4.75A	5.5/2.1mm	*Acer Liteon NEC	BC10-RC
19V	4.75A	5.5/2.5mm	*IBM Dell, Delta, HP, Asus, NEC, Toshiba	BC10-RD
16V	5.00A	5.5/2.5mm	*IBM	BC10-RE
19V	4.75A	5.5/3.0mm	*Samsung	BC10-RF
16V	5.00A	6.0/4.3mm	*Sony Fujitsu	BC10-RG
19V, 19.5V	4.75A, 4.50A	6.0/4.3mm	*Fujitsu, Sony	BC10-RH
19V, 20V	4.75A, 3.50A	5.5/1.7mm	Toshiba Acer, Delta	BC10-RI
19.5V	4.62A	7.4/5.0mm	*Dell [Round]	BC10-RJ
20V	4.50A	7.3mm <sup>2</sup>	*Dell [Square 3-Pin]	BC10-RK
22V	2.04A	3.5/1.35mm	Sharp	BC10-RL
20V	4.50A	7.9/5.5mm	IBM/Lenovo	BC10-RM
24V	2.70A	7.7/2.5mm	Apple [LS-CR90AA Only]	BC10-RN
24V	2.70A	9.5/3.5mm	Apple [LS-CR90AA Only]	BC10-RO
18.5V	4.90A	7.4/5.0mm	HP/Compaq	BC10-RQ
12V	5.00A	5.5/2.5mm	General Purpose 12V	BC10-RR
14V	5.00A	5.5/2.5mm	Samsung	BC10-RS
19V	4.74A	*4.8/1.7mm	HP/Compaq [*Bullet Head]	BC10-RT
9.5V	5.00A	EIAJ-03	Asus EEE PC	BC10-RU
12V	3.00A	5.5/1.7mm	Asus	BC10-RV







## □ 24VDC to 12VDC Reducers

### 24V TO 12V DC-DC REDUCERS GSL

#### LINEAR TYPES GSL

Converts 24V Systems to the lower 12V accessories output for popular items.

Suit Audio & Phone, etc.  
High short term peak cycles.  
Suit CB UHF Radio, etc.  
Extruded aluminium black  
Quality build long-life

Made tough for Australia  
Full unconditional protected

See section 08 POWER & LIGHTING for more GSL

**3A (5A peak) 135x80x40mm**

Code  
DC24123

**4A (6A peak) 135x115x50mm**

Code  
DC24125

**7A (10A peak) 160x115x50mm**

Code  
DC24127

**10A (15A peak) 225x115x50mm**

Code  
DC24120



### 24V TO 12V DC-DC REDUCERS GSL

#### MAXIMISER SWITCHMODE TYPES

For higher power ratings in a professional package. Premium grade. Features efficient conversion for a cooler and longer life. Compact convenient mounting. Soft Start Smart Operation. Ratings are continuous RMS Peak current is 10% above this but is not recommended. Protected from voltage spikes, incorrect wiring, short circuits, Over/Under voltage, thermal, Earth loss, over current, etc. Premium grade product. 20 to 30Vdc.

**20 AMP**

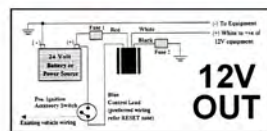
Size 155x115x65mm

Code  
DC241220

**30 AMP**

Size 220x115x65mm

Code  
DC241230



### 24V TO 12V DC-DC REDUCER 30A

#### HIGH POWER 30A

Blue aluminium compact case  
Fused and power switched  
Internal cooling fan. Built in indicating LED: Green for go, red for protection. C-Tick approved. 180x100x50mm  
24 Volts input.  
14 Volts output.  
30 Amp maximum.

Code  
AP829



## □ Battery Isolator

### ELECTRONIC BATTERY ISOLATOR

#### ADD AN EXTRA BATTERY CONNECTION

Connect two batteries to the one charging circuit. The primary battery is for vehicle operation. The Auxiliary battery is for your equipment, eg. inverters, fridge, etc. The primary battery is always in the charging circuit. The auxiliary battery is disconnected if below 11.4V This protects you from ever having two flat batteries!

Current Code  
150A EBI-150







## 12VDC to 240VAC Inverters

### 12V TO 240VAC INVERTER 75W

#### ACCESSORIES PLUG UNIT

Modified sinewave output Compact convenient solution Safety protected socket door Car and appliance protection Suits general low-power items like chargers, lights, etc.

Code  
CAI-75



### 12V TO 240VAC INVERTERS AERPRO

#### WITH USB CHARGER

Modified sine wave automotive inverters from Aerpro. Continuous power rating. Extruded aluminium cases.

- Input Voltage 12Vdc
- Output Voltage 220-240Vac
- USB: DC 5V Max 500mA
- Frequency 50Hz +/-3Hz



Power	Code
420W	FTS420
800W	FTS800
1000W	FTS1000
1500W	FTS1500



FTS1500 IS SILVER AT TIME OF PRESS  
NEW STOCK MAY CHANGE

### 240V INVERTERS - GSL

#### MODIFIED SINE WAVE TYPE

Suit less critical items eg. Lighting, etc. Fully protected from thermal over voltage, overload, short circuits, etc. Alarms when battery is low.

Rms	Surge	Vin	Size	Code
150W	300W	10-15Vdc	125x102x65mm	INV150-12
350W	700W	10-15Vdc	180x102x65mm	INV350-12
600W	1250W	20-30Vdc	245x175x85mm	INV600-24
2500W	5000W	10-15Vdc	480x210x160mm	INV2500-12

www.gsl.com.au



### 12V TO 240VAC INVERTER

#### 150W AERPRO W/ USB

Accessories plug 12Vdc In Modified Sinewave 240Vac Out Compatible with most items even some sensitive units like laptops, AV, etc. Modern media white Bonus dual USB sockets used for charging/powering additional USB accessories **150W**

Code  
AIU150



### 12V TO 240VAC INVERTERS PURE-SINE-WAVE

- Pure Sine Wave Inverter
- Single or Dual Outlet
- Continuous Power: Wrms
- Input Voltage: 12vDC
- Output Voltage: 220 - 240v AC (50Hz)
- USB Charging: 1 or 2 (max 2.1A)
- Low Voltage Protection
- Over Voltage Protection
- Over Load Protection
- Over Heat Protection



Power	Vin	Vout	Outlet	USB	Code
300Wrms	12Vdc	240Vac	x1	x1 (2.1A)	FTS300P
600Wrms	12Vdc	240Vac	x2	x2 (2.1A)	FTS600P
800Wrms	12Vdc	240Vac	x2	x2 (2.1A)	FTS800P
1200Wrms	12Vdc	240Vac	x2	x2 (2.1A)	FTS1200P



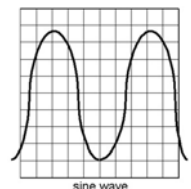
### 240V INVERTERS PURE - GSL

#### PURE SINE WAVE TYPE

Suit appliances that use sensitive switch-mode supplies or inductive reactive like heater or motored items. Circuit & battery protected. Combine the wattages of all items you wish to run and then add 20% for RMS value. Lugged is leads with screw lugs terminated.

Rms	Surge	Connector	Size	Code
150W	450W	Ac.sry. Plug	210x165x100mm	SW150-12

www.gsl.com.au







## □ Battery Chargers

### AC-DELCO CHARGER 75W

#### LEAD ACID BATTERY 6V & 12V UP TO 6 AMPS OUTPUT

Suitable for all types of both 6V and 12V lead acid batteries - sealed, flooded, gel, AGM, calcium, automotive, marine, deep cycle over 10Ah capacity. 73x160x186mm 1Kg.

- Charges both 6V & 12V batteries via auto-detect voltage function.
- Selectable current outputs of 2Amps, 4Amps and 6Amps.
- Three Stage fully automatic logic controlled.
- Stages are - Qualifying Voltage - Bulk Charge - Absorption Charge.
- Automatic shutdown.
- LED indication for percentage of achieved charge.
- Error checking.
- Overcharge protection.
- Overheating protection.
- Short circuit protection.
- Spark proof clamps.
- Lightweight compact design.

**ACDelco**



#### Code

I-7011

### SLA QUICK CHARGER 1000mA

#### 2 Stage Intelligent Charger

Charges sealed lead acid (12Ah)  
Fast-Charge to 90% then trickle  
Alligator Clips.

Volts	Current	Code
12V	1000mA	LAC1201



### SLA BATTERY MONITOR

#### 12V & 24V ADVANCED MONITORING

Portable LCD tester that monitors the status & welfare of your lead acid battery and charger operation. Suitable for all types of 12V & 24V lead acid batteries - automotive, marine, cyclic, standby, sealed, flooded, AGM & Gel. 4 digit LCD voltage display plus icons indicate 8 different status parameters of battery and charging conditions. Includes; Large Clips, ring terminals or Car accessories plug.

#### Code

BT124LCD



### 12V SLA & CHARGER TESTER

#### HANDY QUICK TEST

Compact size tester. LED battery tester for 12V battery, progressive light bar for showing battery capacity plus a charger check. Suitable for all range of 12V lead acid batteries. Charger over-voltage indicates Bad. Charger under voltage no indication. Charging indicates good.

#### Code

BT012RB



### 12V BATTERY MONITOR

#### STATUS INDICATOR

Push the Button to indicate battery charge. Four status levels displayed by 4 LEDs. 11.5V to 12.5V Compact. Strap hold. Ring terminal leads. Suit 12V SLA check. Water resistant.

#### Code

BT012WR







## "BFL" BATTERY FIGHTER

### AWARD WINNING CHARGERS

3 Year Warranty Pro-quality Intelligent charging and SLA battery maintenance system. Spark-proof. Fully protected With multiple stage charging for maximising performance. This will save you time and prolong the life of your expensive sealed lead acid batteries. Suits 6V or 12V. Excellent for electric cars Golf carts, motor bikes, etc.

Datasheets available



## "BFL" BATTERY FIGHTER CHARGER LEADS

All "Battery-Fighter" Chargers Include Lead to alligator clips and Ring terminals BFL1 BFL2 To customise your application extra plug solutions are here: 50cm 18AWG UL SPT-2 Lead Constar Quick Disconnect "CONSTAR" PLUG Plug to Plug Extensions

Length	Code
30cm	QD2P
3M	BFL7



## "BFL" LEADS AVAILABLE

Suits Battery Fighter range.

### 4.8mm SPADE

45cm Battery terminal

Code
BFL5



### 6.35mm SPADE

45cm Battery terminal

Code
BFL6



### LEAD & ALLIGATOR CLIPS

Code
BFL1



### ACCESSORIES PLUG

45cm Car accessories plug

Code
BFL4



### ACCESSORIES SOCKET

45cm Car accessories socket

Code
BFL8



### RING TERMINALS

50cm M5 Screw connect

Code
BFL2



### VW-VBM PLUG

18cm Suits Panasonic Battery

Code
PL10



Bare ends

## "BFL" MONITOR METER

### INLINE VOLTAGE

Plugs inline with the "Constar" charger lead Measures voltage 5-40Vdc LCD 4 Digit Display Monitors charge voltage or battery voltage.

Code
BFL9



## "BFL" BATTERY FIGHTER 15W

### 12V 1250mA

240Vac SLA battery charger  
4 Stage battery maintenance:  
1/ Diagnose and inform Status  
2/ Bulk Charge 1.25Amps 80%  
3/ Absorption Charge 14.4V  
4/ Float charge long-term  
Metal Box 93x105x92mm  
3 Years Warranty

Code
BFA012



## "BFL" BATTERY FIGHTER 12V 1250mA

240Vac SLA battery charger  
4 Stage battery maintenance.  
New 6 LED status display  
85x65x185mm power-pack IP68  
3 Years Warranty

Volts	Current	Code
12V	1250mA	BFM012



## "BFL" BATTERY FIGHTER JUNIOR 6V/12V 750mA

240Vac SLA battery charger  
3 Stage battery maintainer  
Test / Bulk / Float charge. Pro grade. 3 Years Warranty

Volts	Current	Code
6V	750mA	BFJ006
12V	750mA	BFJ012

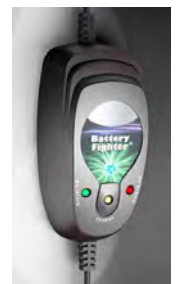


## "BFL" BATTERY FIGHTER 12V 1000mA

### 3 LED STATUS

240Vac SLA battery charger. 3 Stage battery maintainer. Micro-processor controlled. Test / Bulk / Float charge. With LED Status indicators. Water proof power pack IP68. Wall mount bracket solution. Spark proof. Fully protected. 55x45x105mm plastic PC94VO. Alligator or ring contacts.

Volts	Current	Code
12V	1000mA	BSC1210WR



## "BFL" BATTERY FIGHTER 12V 1500mA

### 6 LED STATUS

240Vac SLA battery charger. 4 Stage battery maintainer. Micro-processor controlled. Test / Bulk / Absorption & then maintenance mode. With LED Status indicators. Water proof power pack IP68. Wall mount bracket solution. Spark proof. Fully protected. Alligator or ring contacts.

Volts	Current	Code
12V	1500mA	BFS1215WR



## "BFL" BATTERY FIGHTER 12V/24V 3000mA

240Vac SLA battery charger. 4 Stage battery maintainer. Micro-processor controlled. Test / Bulk / Absorption & then maintenance mode. With LED Status indicators. Water proof IP65. Wall mount bracket solution. Spark proof. Fully protected. Alligator or ring contacts. Ideal wheelchair, golf buggy, heavy-duty 12V/24V charger.

Volts	Current	Code
12V	3A	BFP012
24V	3A	BFP024







## Automotive Power Sockets Aerpro

### SURFACE ACCESSORY SOCKETS

The surface mount accessory socket and LED voltmeter is suitable for adding an additional power outlet to a caravan, 4WD, truck or other vehicles and display the voltage from any electric circuit. Designed for both interior or exterior installation. It has a heavy duty plastic housing and a dustproof and water resistant rubber cover.

The accessory socket and LED voltmeter can be detached from the surface mount and installed separately.

#### 12/24V INPUT

Mount above or under dash.  
Sockets have dust protective covers that are removable.  
6.35mm connectors.



### SURFACE MOUNT LED VOLTMETER

#### DISPLAY INPUT VOLTAGE

- LED voltage display
- Size: 84x55x49mm

Code  
APDCH8



### SURFACE ACCESSORY SOCKET & VOLTMETER

- Input: 12/24Vdc
- Accessories socket output: 20A max @ 12V
- LED voltage display
- Size: 84x55x49mm

Code  
APDCH28



### SURFACE MOUNT DUAL USB SOCKET

- Input: 12/24Vdc
- Output: 2.1A max @ 5V
- Size: 84x55x49mm

Code  
APDCH6



### SURFACE MOUNT USB SOCKET & VOLTMETER

- Input: 12/24Vdc
- Dual USB output: 2.1A max @ 5V
- LED voltage display
- Size: 84x55x49mm

Code  
APDCH68



USB Socket is Blue LED Illuminated



### SURFACE MOUNT ACCESSORY SOCKET

- Input: 12/24Vdc
- Output: 20A max @ 12V
- Size: 84x55x49mm

Code  
APDCH2



### SURFACE MOUNT USB & ACCESSORY SOCKET

- Input: 12/24Vdc
- Accessories socket output: 20A max @ 12V
- USB socket output: 2.1A max @ 5V
- Size: 84x55x49mm

Code  
APDCH26



### SURFACE MOUNT MERIT SOCKET

- Input: 12/24Vdc
- Output: 20A max @ 12V
- Size: 84x55x49mm

Code  
APDCH4







## PANEL MOUNT LED VOLTMETER

### DISPLAY INPUT VOLTAGE

- LED voltage display
- Size: 84x55x49mm

Code  
APDCP8



## PANEL MOUNT ACCESSORY SOCKETS

### 12/24V DC INPUT

The panel mount dual USB socket and LED voltmeter is suitable for adding additional USB outlets to a caravan, 4WD, truck or other vehicles and display the voltage from any electric circuit. Designed for both interior or exterior installation. It has a heavy duty panel mount and a dustproof and water resistant rubber cover. The dual USB socket and LED voltmeter can be detached from the panel mount and installed separately.



## PANEL MOUNT ACCESSORY SOCKET

- Input: 12/24Vdc
- Output: 20A max @ 12V
- Size: 59.8x42.5x39mm

Code  
APDCP2



## PANEL MOUNT USB SOCKET & LED VOLTMETER

- Input: 12/24Vdc
- USB socket output: 2.1A max @ 5V
- Size: 105x45x51mm

Code  
APDCP68



## PANEL MOUNT MERIT SOCKET

- Input: 12/24Vdc
- Output: 20A max @ 12V
- Size: 84x55x49mm

Code  
APDCP4



## PANEL ACCESSORY SOCKET & VOLTMETER

- Input: 12/24Vdc
- Accessories socket output: 20A max @ 12V
- LED voltage display
- Size: 105x45x51mm

Code  
APDCP28



## PANEL MOUNT DUAL USB SOCKET

- Input: 12/24Vdc
- Output: 2.1A max @ 5V
- Size: 84x55x49mm

Code  
APDCP6



## PANEL MOUNT DUAL USB & ACCESSORY SOCKET

- Input: 12/24Vdc
- Accessories Output: 20A max @ 12V
- USB socket output: 2.1A max @ 5V
- Size: 105x45x51mm

Code  
APDCP26



USB Socket is Blue LED Illuminated





## Fuses & Holders

### ATN FUSES 5 PACK

#### MINI 11mm BLADE FUSE X5

Order 1 to receive a box of FIVE.

Current	Code
5A	ATN5
7.5A	ATN7.5
10A	ATN10
15A	ATN15
20A	ATN20
25A	ATN25
30	ATN30



### ATS FUSES 5 PACK

#### MINI 11mm BLADE FUSE X5

Current	Code
2A	ATS2
3A	ATS3
4A	ATS4
5A	ATS5
7.5A	ATS7.5
10A	ATS10
15A	ATS15
20A	ATS20
25A	ATS25
30A	ATS30
35A	ATS35



Order 1 to receive a card of FIVE.  
11mm as used in head units

### ATS FUSES 50 PACK

#### MINI 11mm BLADE FUSE X50

Order 1 to receive a box of FIFTY  
Small version as used in head units

Current	Code
3A	ATS3-50
4A	ATS4-50
5A	ATS5-50
7.5A	ATS7.5-50
10A	ATS10-50
15A	ATS15-50
20A	ATS20-50
25A	ATS25-50
30A	ATS30-50
35A	ATS35-50



### ATC FUSES 5 PACK

#### POPULAR 18mm BLADE FUSE X5

Order 1 to receive a card of FIVE.

Current	Code
2A	ATC2
3A	ATC3
4A	ATC4
5A	ATC5
7.5A	ATC7.5
10A	ATC10
15A	ATC15
20A	ATC20
25A	ATC25
30A	ATC30
35A	ATC35



### ATC FUSES 50 PACK

#### POPULAR 18mm BLADE FUSE X5

Order 1 to receive a box of FIFTY  
As used in a majority of automotive.

Current	Code
3A	ATC3-50
4A	ATC4-50
5A	ATC5-50
7.5A	ATC7.5-50
10A	ATC10-50
15A	ATC15-50
20A	ATC20-50
25A	ATC25-50
30A	ATC30-50
35A	ATC35-50



### ATM FUSE BLOCK

Gold-Plated Fuse Block  
Clear plastic covered  
8mm(x2) in, 6mm(x4) out.  
Suits "ATM" 28mm fuses.

Code  
FDB531



### ATM FUSES

#### MAXI 28mm BLADE FUSE

Mega version for high current  
units NOT ATC as above.  
Larger 1" style. Supplied 1  
unit per hanger card

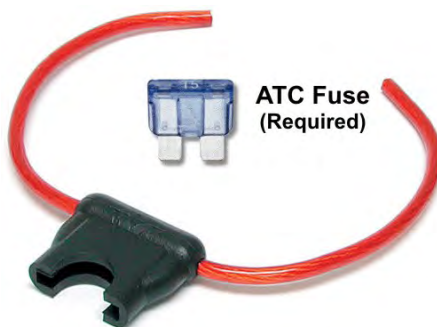
Current	Code
20A	ATM20
30A	ATM30
40A	ATM40
50A	ATM50
60A	ATM60
70A	ATM70
80A	ATM80



### ATC INLINE FUSE HOLDER

General purpose  
Suit ATC plug-in  
fuses with wiring.  
Fuse not included.  
Fully insulated Fuse  
end viewable 30A  
Red Cable

Code  
JEF703



### ATC WATER RESISTANT HOLDER

#### ATC INLINE

Heavy duty design for use  
in unprotected places on  
boats, under car bonnets,  
etc. Fuse not included.

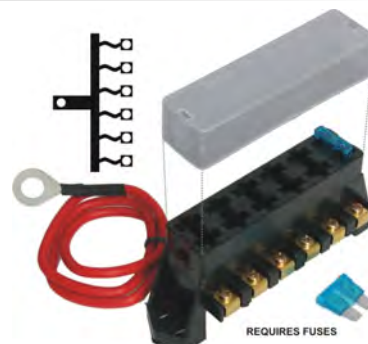
Code  
FH18



### ATC FUSE BLOCK

Designed for multiple hook-up  
of accessories, each with  
individual screw terminal  
outputs. Accepts up to six  
fuses. (Not included) See ATC

Code  
AFB400







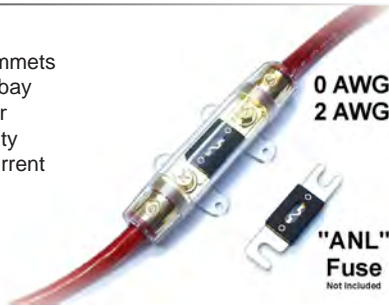
## ANL FUSE HOLDERS

### 0-2 AWG CABLE

Requires a fuse Rubber grommets  
5mm to 12mm entry Engine bay  
sealed Mounting flange Clear  
plastic Gold plated Heavy duty  
screw terminals Very high current

#### Code

AP462



## ANL FUSES

### 2" BLADE FUSE

Very high power fuse Low voltage (32Vdc) VERY HIGH current!  
Very low resistance Popular SPL choice Gold plated tinned  
Suits AP462 holder

#### Current Code

80A	ANL80
100A	ANL100
150A	ANL150
200A	ANL200



## AMA FUSES

### BUY 1 TO RECEIVE 2

Mini version of the ANL fuse straps.  
Sold packaged in packets of TWO.

#### Amps Code

50	AMA50
60	AMA60
80	AMA80
100	AMA100
120	AMA120



## AGU FUSE HOLDERS

### 4-8 AWG CABLE

Requires a fuse Rubber  
grommets Engine bay  
sealed Mounting flange  
Clear plastic Gold plated

#### Code

FH512



## AGU FUSED DISTRIBUTION BLOCKS

Gold plated AGU with clear  
plastic heavy duty cover.  
Uses 10 - 60A AGU type  
fuses. Single in, multiple out.

### 4AWG TO 2x8AWG

#### Code

FDB526

### 4AWGx2 TO 4x8AWG

#### Code

FDB524



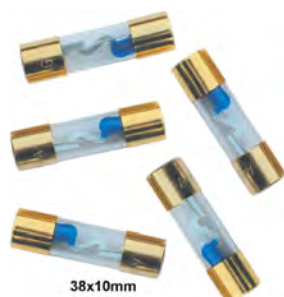
## AGU FUSES

### 38x10mm 5AG

Order 1 to receive a card  
of five. Round glass fuses  
Gold plated Suits FH512

#### Current Code

10A	MFL10
20A	MFL20
30A	MFL30
40A	MFL40
50A	MFL50
60A	MFL60



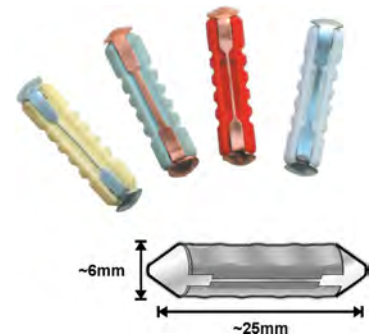
## GBC FUSES

### TORPEDO FUSES

Order 1 to receive ONE.  
Available in boxes of 5.  
Approx. 25mm x 6mm

#### Amps Code

5A	GBC5
8A	GBC8
16A	GBC16
20A	GBC20
25A	GBC25
35A	GBC35



\*Colours may differ. Check value stamped on the fuse body.  
Supplied in singles.

## FUSE PULLER TOOLS

For our complete range of Fuses of all sizes!  
See our Electronic Component Section 10...

### FUSE PULLER

Suits ATC & 3AG, etc.

#### Code

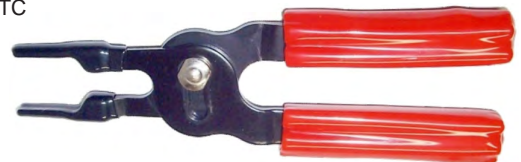
FRT3



### HEAVY DUTY ATC

#### Code

YF6254



## RESETTABLE CIRCUIT BREAKERS

### BAKELITE FLAT MOUNT

High temp. Fuse with reset. 4mm heavy  
duty screw terminals With trigger test  
button. Use as a 140A power switch.

#### Current Code

70A	CRB70
100A	CRB100
140A	CRB140

### CLEAR BOOT

Protective insulator

#### Code

BSC100



## RESETTABLE CIRCUIT BREAKER 60A

### 60A 4/8AWG INLINE

Weather resistant design for  
under bonnet install Attractive  
clear & black with gold plated  
terminals for professional install  
Accepts 4 or 8 AWG Cable Gold  
screw terminals with grommets  
for moisture & dust Mounting  
flange. Test button.

#### Code

AP484







## □ Distribution Blocks

### 0 AWG CABLE SPLITTER WITH METER

#### 1x0AWG TO 2x4AWG POWER

Split your power to two amps  
monitor your application  
Voltage & Current Display  
Gold plated hex terminals  
Smoked perspex cover  
Screw mount base black  
Blue LED digital meter of  
Voltage and Current 200A  
Smart & attractive

Code  
APD4025



### DISTRIBUTION BLOCK 1X0GA - 4X4GA

1X0GA - 4X4GA Distribution block. Made with Solid Brass and Gold plated. Clear perspex covers. Hex set screws.

Code  
AP410



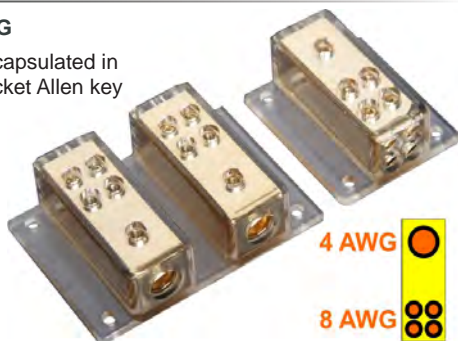
### 4 AWG POWER DISTRIBUTION BLOCKS

#### 1x4AWG TO 4x8AWG

Gold plated block encapsulated in  
a clear mounting bracket Allen key  
cable locks

#### SINGLE BLOCK

Code  
PDB520



#### ABOVE DUAL

Code  
PDB522

### DISTRIBUTION BLOCK 4GX2 - 8GX4

4GX2 - 8GX4 Distribution block. Made with Solid Brass and Gold plated. Clear perspex covers. Hex set screws.

Code  
AP406



## CABLE JOINERS

Gold plated  
Heavy Duty With  
clear insulator.  
Grub screw lock

#### 8AWG 5mm I/D

Code  
JEF-529B8AWG

#### 4AWG 7mm I/D

Code  
JEF-529B4WG



## □ Battery Terminal and Accessories

### GOLD PLATED BATTERY CLAMPS

**POSITIVE TERMINAL**  
With 2x8AWG clamps

Code  
JEF-528P

**NEGATIVE TERMINAL**  
With 2x8AWG clamps

Code  
JEF-528N

#### CLEAR BOOT

Protective insulator

Code  
BSC110



### GOLD PLATED MULTI BATTERY TERMINALS

#### 2x 4AWG & 2x 8AWG

Allen Key screws.

Type	Code
POS	JEF-535BP
NEG	GBT122

#### CLEAR BOOT

Protective insulator

Code  
BSC120



### GOLD PLATED MULTI BATTERY TERMINALS

#### 1x 4AWG & 2x8AWG

Allen Key screws. 1x  
screw terminal. Stamped  
indicator Shows polarity:

Type	Code
POS	JEF-535CP
NEG	JEF-535CN



### 8mm POWER RING TERMINALS

Gold plated High current  
Suits 8mm Post terminals

AWG	Code
0 AWG	PRT500
2 AWG	PRT502
4 AWG	PRT504
8 AWG	PRT508

#### CLEAR BOOT

Protective insulator

Code  
BSC130



## QUICK DISCONNECT KIT

300 PIECES IN A BOX  
Suit 22-14 AWG  
Most popular crimps.  
Box 210x110x30mm.

Code  
TMK300







## □ Alligator Clips

### ALLIGATOR CLIP TO DC 2.5MM

Stainless steel 80mm Alligator Clip Pair to DC 2.5mm Plug. 1.2M Lead. 2A Max.

Code  
LGC020RB-DC



### STAINLESS STEEL ALLIGATOR CLIP

#### 80mm Heavy Duty

Colour Code  
Red LGC020R  
Black LGC020B  
Green LGC020G



### ALLIGATOR CLIPS MINI

Vanadium chrome steel Coloured rubber boot 3 piece Mini Jaw sprung

#### 10A 8mm Jaw 8mm Wide

Colour Code  
Red LGC006R  
Black LGC006B



#### 20A 10mm Jaw 10mm Wide

Colour Code  
Red LGC007R  
Black LGC007B

### ALLIGATOR CLIPS STANDARD

Vanadium chrome steel Coloured rubber boot Jaw sprung. Standard.

#### 15A 20mm Jaw 10mm Wide

Colour Code  
Red LGC015R  
Black LGC015B



#### 30A 20mm Jaw 12mm Wide

Colour Code  
Red LGC016R  
Black LGC016B

#### 50A 28mm Jaw, 16mm Wide.

Colour Code  
Red LGC017R  
Black LGC017B



### ALLIGATOR CLIP HEAVY-DUTY

#### 200A

25mm Jaw 25mm Wide Heavy Duty type Full hand grip

Colour Code  
Red LGC022R  
Black LGC022B



#### 600A

35mm Jaw 20mm Wide Super Heavy Duty Full hand grip

Colour Code  
Red LGC023R  
Black LGC023B



## □ Crimp Terminals - Gold Plated

### GOLD PLATED SPADE CONNECTORS

BULK Sold individually Red or Black

#### 14 TO 12AWG (3.5mm) TO 4mm SPADE

Colour Code  
Red TS300  
Black TS301



#### 14 TO 12AWG (3.5mm) TO 6.3mm SPADE

Colour Code  
Red TS310  
Black TS311



### GOLD PLATED SPADE TERMINATORS 4mm

BULK Sold individually, Red or Black

#### 14 TO 12 AWG (3.5mm)

Colour Code  
Red TS200  
Black TS201



#### 10 TO 8 AWG (5mm)

Colour Code  
Red TS500  
Black TS501



### GOLD SPADE TERMINATORS R/A 4mm

BULK Sold individually, Red or Black.

#### 14 TO 12 AWG (3.5mm)

Colour Code  
Red TS250  
Black TS251



#### 10 TO 8 AWG (5mm)

Colour Code  
Red TS550  
Black TS551



### GOLD PLATED RING TERMINALS

#### HEAVY DUTY CRIMP TYPE

##### 8 AWG TO RING 5.0mm I/D

Colour Code  
Red TR85  
Black TR86



##### 8 AWG TO RING 8.0mm I/D

Colour Code  
Red TR80  
Black TR81



##### 4 AWG TO RING 8.0mm I/D

Colour Code  
Red TR40  
Black TR41



### TAP SPLICES

AWG Colour Code  
22-18 Red TM42001  
16-14 Blue TM42002  
12-10 Yellow TM42003



### MORE AVAILABLE

#### TOO MANY TO LIST HERE!

Many more available...  
For our full range of  
Connectors Plugs  
Sockets See our  
Cables & Connectors Section...







## 12VDC Plugs & Sockets

### ACCESSORIES PLUG

#### STANDARD

Code  
P801



#### FUSED

Code  
P810



### CAR ACCESSORIES LEAD

Car Accessories Plug  
3.5mm X2 cable Bare end  
Fused

Amps	Length	Code
8A	5M	DCL50
5A	2M	DCL18



### ACCESSORIES JACK

Metal barrel High temp  
for Cigarette Lighter or  
Accessories

Code  
J800



#### INLINE SOCKET

Black & Insulated  
NOT A LIGHTER TYPE

Code  
J802



### ACCESSORIES UNDER-DASH

Two sockets and bracket.  
20A fuse 3AG inline wires.  
\*Not suitable for lighters.

Code  
DPV63



### MERIT AUTOMOTIVE

12Vdc European Accessories Plug System.

Type	Code
Plug	MER101

Type	Code
Inline	MER110

Type	Code
Socket	MER112

Type	Code
Dual	MER102
Dual	MER103

Type	Code
Adaptor	MER201



## Cable Management

### CABLE TIES [BAGS OF 100]

Order ONE bag to receive 100 pieces.

Colour	Size	Code
White	100mm x 2.5mm	NCT120
Black	100mm x 2.5mm	NCT121
White	142mm x 3.6mm	NCT130
Black	142mm x 3.6mm	NCT131
White*	156mm x 3.6mm	NCT140
Black *	156mm x 3.6mm	NCT141
White	203mm x 3.6mm	NCT150
Black	203mm x 3.6mm	NCT151
White	292mm x 4.8mm	NCT160
Black	292mm x 4.8mm	NCT161
Black	550mm x 8mm	NCT5508BK



### CABLE TIES IN A KIT

#### 100 PIECES ASSORTED

Nylon. Assorted colours.

Supplied in a plastic jar.

50x 2.5 x 100mm

25x 2.5 x 200mm

25x Stick-N-Hold

Code  
NCT500



### SPIRAL WIRE WRAP

Winds around messy cabling and protects.

Aerpro. BLACK Length is approx. 10M

Diam.	Code
4-50mm	SLT4
7.5-60mm	SLT75
15-100mm	SLT15



### SPIRAL WIRE WRAP

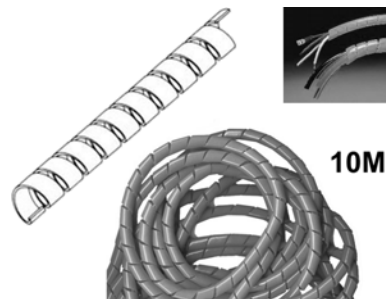
Winds around to secure  
messy wiring, expands x5.

#### 10M x 5mmØ

Colour	Code
Black	SPWR10BK
White	SPWR10WH

#### 10M x 20mmØ

Colour	Code
Black	SPRL15B
White	SPRL15W



### EASY-WRAP CABLE TIDY

Includes a handy applicator  
making assembly quick n' easy!

#### 20mm x 1.5M

Code  
EW20BK

#### 16mm x 1.5M

Code  
EW16BK



### SPLIT WIRE WRAP REINFORCED

#### AUTOMOTIVE LOOM TYPE

Split down the middle for inserting multiple wiring.

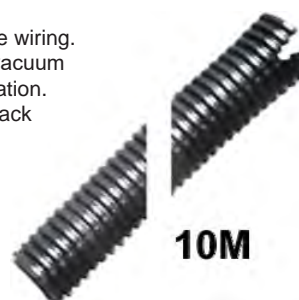
Protective stiffened ribbed casing, like a vacuum

hose, so will bend for easy custom installation.

Diameter does not stretch. Flexible UV Black

ABS Plastic. 10 Metre lengths.

Size	Code
10mm x 10M	PST10
16mm x 10M	PST16
7mm x 10M	PST7







## □ Auto Installation & Tools

## □ Cable Management

### RAPSTRAP™ - FLEXIBLE CABLE TIES

#### THE RAPSTRAP IS A NEW WAY TO QUICKLY TIE UP JUST ABOUT ANYTHING

Innovative design combines a clever shape with a custom polymer to produce an incredibly versatile fastener that is also a softer and more flexible alternative to traditional types of cable ties. When you cut the end off a Rapstrap™, you can use it again and again, getting several ties from just one strap.

- Soft and flexible design
- Controllable tension - pull to required grip
- Gives up to 5 ties per strip
- Can be released and reused if required
- Can be double-looped for use on plants
- Reinforced rear cells
- Supplied in tear-off sheets of 6

QTY	Colour	Length	Code
24x	Black	300mm	RTS24BK
24x	Clear	300mm	RTS24TP
48x	Green	300mm	RTS48GN
48x	Clear	300mm	RTS48TP
96x	Black	300mm	RTS96BK
96x	Clear	300mm	RTS96TP



### THE HERBIE CLIP™

#### SUPERIOR SOLUTION TO METAL CLAMPS

Patented double jaw design for 200psi strength Heat & UV stabilised. Impervious to contaminants. Quicker & easier to fit or adjust than metal clips. Improved safety as no sharp edges to cut operator. Minimal leak path as clamps to a near perfect circle. Fitting & Removal tools available for production use. Carbon based polymer will never rust or corrode. Non conductive so more suitable for cable fixing. No electrolytic reactions with other metals, etc. Over 20 years of field use in many fields & applications. Simplistic, cost effective.

Very Strong and Reliable  
Very Fast Application  
Nylon Hose Fastener  
18 Years Strong

**HERBIE CLIP™**

The Double Grip Hose Clip  
Available in 5mm to 105mm

### HERBIE CLIP™ CODES LISTING

A min	B max	C width	D	E	F	G	Code
5.60	6.50	4.2	1.4	8.3	17.5	0.53	HC0642
6.50	7.90	4.5	1.6	9.9	20.9	0.82	HC0745
7.90	9.20	4.4	1.6	9.3	20.7	0.90	HC0844
9.20	10.3	4.5	1.7	10.9	22.2	1.11	HC1045
10.2	11.8	5.8	1.7	12.2	27.9	1.73	HC1158
11.1	12.9	6.1	1.7	12.3	28.7	1.94	HC1261
12.0	13.8	6.1	1.7	12.9	28.9	1.95	HC1361
13.5	15.1	7.1	2.0	13.6	32.7	3.26	HC1471
15.0	17.1	7.1	2.0	12.9	34.8	3.18	HC1671
16.9	19.1	6.9	2.1	12.5	32.4	2.00	HC1869
18.1	20.6	7.1	2.1	12.7	35.7	3.23	HC1971
20.3	23.0	6.4	2.1	14.2	39.0	1.08	HC2264
22.2	24.9	7.0	2.0	13.0	37.0	3.61	HC2470
24.5	27.6	7.1	2.1	12.5	37.3	3.43	HC2671
26.5	29.5	7.4	2.2	13.4	40.0	4.80	HC2874
28.8	32.2	9.0	2.0	13.4	42.0	5.60	HC3090
32.0	34.8	9.1	1.9	13.8	40.0	6.15	HC3391
34.3	37.9	8.9	2.1	13.5	42.0	7.05	HC3689
37.0	40.4	8.9	2.1	13.3	42.2	6.48	HC3989
40.1	44.2	9.0	2.2	13.4	42.2	6.60	HC4290
43.2	46.2	8.9	2.1	12.8	42.5	6.81	HC4589
45.8	50.4	9.0	2.0	13.9	45.0	7.31	HC4790
48.5	53.8	9.0	2.1	14.4	48.0	8.17	HC5190
53.0	57.0	9.0	2.1	14.7	49.0	7.61	HC5590
54.9	60.1	9.3	2.3	16.0	53.4	9.95	HC5793
59.0	64.7	17.0	9.3	10.7	9.3	7.93	HC6393



Prices PER CLIP. For larger sizes & quantities, Please enquire

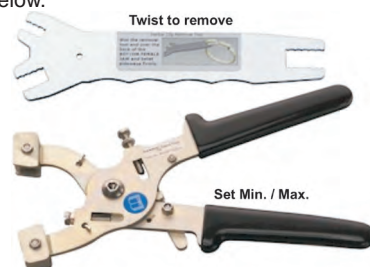
### HERBIE CLIP™ TOOLS

You can use any Multi-Grip type hand tool.  
For a consistent setting, use the tools below.

#### CLIP REMOVAL TOOL

Twist to remove the Herbie Clip.

Code  
HCT4000



#### MANUAL FITTING TOOL

Clamps to the same number of teeth.

Code  
HCT3000







## □ Heatshrink & Wraps

### HEAT SHRINK TUBING

Flexible heat shrinkable tubing Flame retardant, good resistance to most fluids and solvents, etc.  
High dielectric and tensile strength. Excellent for electrical identification, insulation, strain relief, cable bonding.  
600V Insulation Rated. 50% shrink ratio at 90°C to 120°C.  
BEFORE DiamØ=Code(mm) - AFTER DiamØ=50%

Before	After	Black	Blue	Green	Red	White	Yellow
1.0mm	0.5mm	CB102-1.0BK	CB102-1.0BU	CB102-1.0GN	CB102-1.0RD	CB102-1.0WH	CB102-1.0YL
2.0mm	1.0mm	CB102-2.0BK	CB102-2.0BU	CB102-2.0GN	CB102-2.0RD	CB102-2.0WH	CB102-2.0YL
2.5mm	1.2mm	CB102-2.5BK	CB102-2.5BU	CB102-2.5GN	CB102-2.5RD	CB102-2.5WH	CB102-2.5YL
3.0mm	1.5mm	CB102-3.0BK	CB102-3.0BU	CB102-3.0GN	CB102-3.0RD	CB102-3.0WH	CB102-3.0YL
4.5mm	2.0mm	CB102-4.5BK	CB102-4.5BU	CB102-4.5GN	CB102-4.5RD	CB102-4.5WH	CB102-4.5YL
5.0mm	2.5mm	CB102-5.0BK	CB102-5.0BU	CB102-5.0GN	CB102-5.0RD	CB102-5.0WH	CB102-5.0YL
6.5mm	3.0mm	CB102-6.5BK	CB102-6.5BU	CB102-6.5GN	CB102-6.5RD	CB102-6.5WH	CB102-6.5YL
7.0mm	4.5mm	CB102-7.0BK	CB102-7.0BU	CB102-7.0GN	CB102-7.0RD	CB102-7.0WH	CB102-7.0YL
10mm	5.0mm	CB102-10.0BK	CB102-10.0BU	CB102-10.0GN	CB102-10.0RD	CB102-10.0WH	CB102-10.0YL
13mm	6.5mm	CB102-13.0BK	CB102-13.0BU	CB102-13.0GN	CB102-13.0RD	CB102-13.0WH	CB102-13.0YL
20mm	10mm	CB102-20.0BK	CB102-20.0BU	CB102-20.0GN	CB102-20.0RD	CB102-20.0WH	CB102-20.0YL
25mm	12mm	CB102-25.0BK	CB102-25.0BU	CB102-25.0GN	CB102-25.0RD	CB102-25.0WH	CB102-25.0YL



### HEAT SHRINK TUBING MIL. SPEC.

#### 1.2 Metre Lengths. MIL-1-23053

Premium grade. Flame retardant. Long Life. Optimum performance.  
XLP series is cross-linked tubing that conforms to MIL-1-23053/3 class 3. It will withstand -45°C to 125°C for normal operating conditions & 200°C for short intervals. Black tubing also resists ultraviolet radiation. It can be easily shrunk with a 100°C+ heat gun, etc. All tubing is flame retardant except clear, which is flammable & conforms to MIL-1-23053/5 class 2. Highly flexible. 2:1 shrink ratio. Ideal for insulation, colour coding & mechanical protection, etc.  
600V rated. Only 5% longitudinal shrinkage. Premium quality series.  
BEFORE DiamØ = Code(mm)  
AFTER DiamØ = 50%

Before	After	Black	Clear	Red	Blue	White
1.5mm	0.8mm	XLP1.5BK	XLP1.5CL	XLP1.5RD	XLP1.5BU	XLP1.5WH
2.5mm	1.3mm	XLP2.5BK	XLP2.5CL	XLP2.5RD	XLP2.5BU	XLP2.5WH
3.5mm	1.8mm	XLP3BK	XLP3CL	XLP3RD	XLP3BU	XLP3WH
5.0mm	2.5mm	XLP5BK	XLP5CL	XLP5RD	XLP5BU	XLP5WH
7.0mm	3.5mm	XLP7BK	XLP7CL	XLP7RD	XLP7BU	XLP7WH
10mm	5.0mm	XLP10BK	XLP10CL	XLP10RD	XLP10BU	XLP10WH
13mm	7.0mm	XLP13BK	XLP13CL	XLP13RD	XLP13BU	XLP13WH
20mm	10mm	XLP20BK	XLP20CL	XLP20RD	XLP20BU	XLP20WH
25mm	13mm	XLP25BK	XLP25CL	XLP25RD	XLP25BU	XLP25WH



### NORMAL WALL HEAT SHRINKABLE TUBE

MRSG heat shrinkable tube is a newly developed environmentally friendly flame retardant heat shrinkable tube, using modified polymers and cross-linked by electronic accelerator.

Cost is per metre. Sold cut to length. Order 10 metres or more and receive a 10% discount. To order a full reel, please quote the appropriate Length in metres. eg. The reel length for MRSG-20.0BK is 100 metres, for a full reel please order 100x MRSG-20.0BK

Before	After	Black	Blue	Clear	Green	Red	White
1mmØ	0.7mmØ	MRSG-1.0BK	MRSG-1.0BU	MRSG-1.0CL	MRSG-1.0GN	MRSG-1.0RD	MRSG-1.0WH
2mmØ	1.0mmØ	MRSG-2.0BK	MRSG-2.0BU	MRSG-2.0CL	MRSG-2.0GN	MRSG-2.0RD	MRSG-2.0WH
3mmØ	1.5mmØ	MRSG-3.0BK	MRSG-3.0BU	MRSG-3.0CL	MRSG-3.0GN	MRSG-3.0RD	MRSG-3.0WH
4mmØ	2.0mmØ	MRSG-4.0BK	MRSG-4.0BU	MRSG-4.0CL	MRSG-4.0GN	MRSG-4.0RD	MRSG-4.0WH
5mmØ	2.5mmØ	MRSG-5.0BK	MRSG-5.0BU	MRSG-5.0CL	MRSG-5.0GN	MRSG-5.0RD	MRSG-5.0WH
6mmØ	3.0mmØ	MRSG-6.0BK	MRSG-6.0BU	MRSG-6.0CL	MRSG-6.0GN	MRSG-6.0RD	MRSG-6.0WH
7mmØ	3.5mmØ	MRSG-7.0BK	MRSG-7.0BU	MRSG-7.0CL	MRSG-7.0GN	MRSG-7.0RD	MRSG-7.0WH
8mmØ	4.0mmØ	MRSG-8.0BK	MRSG-8.0BU	MRSG-8.0CL	MRSG-8.0GN	MRSG-8.0RD	MRSG-8.0WH
9mmØ	4.5mmØ	MRSG-9.0BK	MRSG-9.0BU	MRSG-9.0CL	MRSG-9.0GN	MRSG-9.0RD	MRSG-9.0WH
10mmØ	5.0mmØ	MRSG-10.0BK	MRSG-10.0BU	MRSG-10.0CL	MRSG-10.0GN	MRSG-10.0RD	MRSG-10.0WH
12mmØ	6.0mmØ	MRSG-12.0BK	MRSG-12.0BU	MRSG-12.0CL	MRSG-12.0GN	MRSG-12.0RD	MRSG-12.0WH
14mmØ	7.0mmØ	MRSG-14.0BK	MRSG-14.0BU	MRSG-14.0CL	MRSG-14.0GN	MRSG-14.0RD	MRSG-14.0WH
16mmØ	8.0mmØ	MRSG-16.0BK	MRSG-16.0BU	MRSG-16.0CL	MRSG-16.0GN	MRSG-16.0RD	MRSG-16.0WH
20mmØ	10mmØ	MRSG-20.0BK	MRSG-20.0BU	MRSG-20.0CL	MRSG-20.0GN	MRSG-20.0RD	MRSG-20.0WH
25mmØ	12mmØ	MRSG-25.0BK	MRSG-25.0BU	MRSG-25.0CL	MRSG-25.0GN	MRSG-25.0RD	MRSG-25.0WH
30mmØ	15mmØ	MRSG-30.0BK	MRSG-30.0BU	MRSG-30.0CL	MRSG-30.0GN	MRSG-30.0RD	MRSG-30.0WH
40mmØ	20mmØ	MRSG-40.0BK	MRSG-40.0BU	MRSG-40.0CL	MRSG-40.0GN	MRSG-40.0RD	MRSG-40.0WH
50mmØ	25mmØ	MRSG-50.0BK	MRSG-50.0BU	MRSG-50.0CL	MRSG-50.0GN	MRSG-50.0RD	MRSG-50.0WH







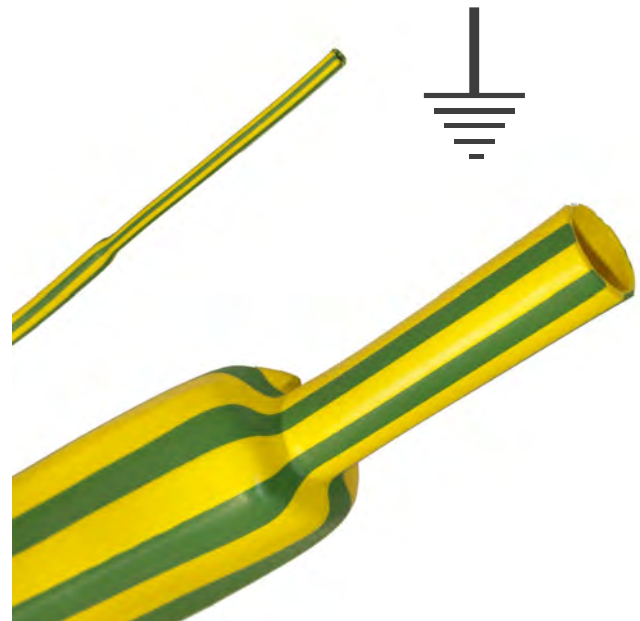
## HEAT SHRINK GREEN & YELLOW

### AS USED TO IDENTIFY EARTH CONNECTIONS

MRSRG heat shrinkable tube is a newly developed environmentally friendly flame retardant heat shrinkable tube, using modified polymers and cross-linked by electronic accelerator.

Before	After	Code
1mmØ	0.7mmØ	MRSRG-1.0YG
2mmØ	1.0mmØ	MRSRG-2.0YG
3mmØ	1.5mmØ	MRSRG-3.0YG
4mmØ	2.0mmØ	MRSRG-4.0YG
5mmØ	2.5mmØ	MRSRG-5.0YG
6mmØ	3.0mmØ	MRSRG-6.0YG
7mmØ	3.5mmØ	MRSRG-7.0YG
8mmØ	4.0mmØ	MRSRG-8.0YG
9mmØ	4.5mmØ	MRSRG-9.0YG
10mmØ	5.0mmØ	MRSRG-10.0YG
12mmØ	6.0mmØ	MRSRG-12.0YG
14mmØ	7.0mmØ	MRSRG-14.0YG
16mmØ	8.0mmØ	MRSRG-16.0YG
20mmØ	10mmØ	MRSRG-20.0YG
25mmØ	12mmØ	MRSRG-25.0YG
30mmØ	15mmØ	MRSRG-30.0YG
40mmØ	20mmØ	MRSRG-40.0YG
50mmØ	25mmØ	MRSRG-50.0YG

Cost is per metre. Sold cut to length. Order 10 metres or more and receive a 10% discount. To order a full reel, please enquire.



## HEAT SHRINK TUBING - WITH ADHESIVE

A co-extrusion of irradiated crosslinking polyolefin with specially designed internal hot-melt adhesive. High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors. 600V Insulation rated. Supplied in pre-cut lengths of 1.2 metres. Matte black. 50% shrink ratio at 90 to 120°C.

### PRE-CUT TO 1.2 METRE LENGTHS

- BEFORE DiamØ = Code (mm)
- AFTER DiamØ = 50%

Size	Code
1.5mm	DWT-1.5BK
2.0mm	DWT-2.0BK
2.5mm	DWT-2.5BK
3.0mm	DWT-3.0BK
4.5mm	DWT-4.5BK
5.0mm	DWT-5.0BK
6.5mm	DWT-6.5BK
7.0mm	DWT-7.0BK
10mm	DWT-10.0BK
13mm	DWT-13.0BK
20mm	DWT-20.0BK
25mm	DWT-25.0BK



## DUAL WALL HEAT SHRINKABLE TUBE

MSBG dual wall heat-shrinkable tube is made of the high quality polymer layer with hot melt adhesive inner layer. When exposed to heat source, the inner layer begins to melt and flow. When it cools down, inner layer forms an adhesion layer between the tubing and the component or wire. This provides a water-tight seal and protection for the connectors or wire. Available in Black only.

Cost is per metre. Sold cut to length. Order 10 metres or more and receive a 10% discount.

To order a full reel, please quote the appropriate Length in metres (See Reel column). eg. The reel length for MSBG095 is 50 Metres, so for a full reel please order 50 x MSBG095

Before	After	Code
2.4mmØ	0.8mmØ	MSBG024
3.2mmØ	1.0mmØ	MSBG032
4.8mmØ	1.6mmØ	MSBG048
6.4mmØ	2.0mmØ	MSBG064
7.9mmØ	2.7mmØ	MSBG079
9.5mmØ	3.2mmØ	MSBG095



## HEAT-SHRINK TAPE

### SHRINKS TO SEAL

Thin Irradiated Polyolefin tape. Shrinks and amalgamates forming a rigid seal on even complex items. Make Y shapes, etc. Simply wrap & heat. Black. 20mm x 50 Metres

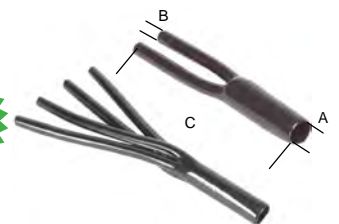
Code
HST20



## CABLE PANTS

These cable pants are ideal when building your own speaker cables. They keep the conductors separated when terminating and connecting to your components. These black pants will add a professional look and provides the finishing touch to your customized cables. Black colour. Sold in packs of 10.

NOT HEAT SHRINK



Out	"A"	"B"	"C"	Code
2	6mm	3.5mm	98mm	SCP26
2	7mm	3.5mm	98mm	SCP27
2	8mm	3.5mm	108mm	SCP28
2	9mm	4.0mm	78mm	SCP29
2	10mm	4.0mm	98mm	SCP210
2	11mm	4.8mm	90mm	SCP211
2	14mm	4.8mm	98mm	SCP214
4	9.5mm	4.0mm	160mm	SCP49
4	11mm	4.0mm	145mm	SCP411







## HEAT SHRINK KIT PROLINK 9 PIECE

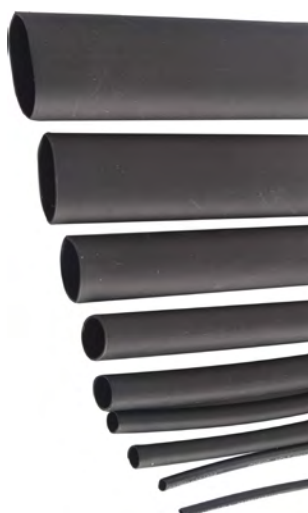
### 9 PIECE BAG

Consists of 1.2 Metre long polyethylene heat shrink tubes with assorted diameters ranging from 1mmØ to 13mmØ. The diameter will reduce by up to 50% when heated to 125°C.

Includes:

- 1x 1.0mmØ (black)
- 1x 2.0mmØ (black)
- 1x 2.5mmØ (black)
- 1x 3.0mmØ (black)
- 1x 4.5mmØ (black)
- 1x 6.5mmØ (black)
- 1x 7.0mmØ (black)
- 1x 10mmØ (black)
- 1x 13mmØ (black)

Colour	Code
Black	HSK9



## HEAT SHRINK KIT RED & BLACK 18 PIECE

### 18 PIECE BAG

Consist of 1.2 Metre long polyethylene heat shrink tubes with assorted diameters ranging from 1mmØ to 13mmØ. The diameter will reduce by up to 50% when heated to 125°C.

Includes:

- 1x 1mmØ (black), 1x 1mmØ (red)
- 1x 2mmØ (black), 1x 2mmØ (red)
- 1x 2.5mmØ (black), 1x 2.5mmØ (red)
- 1x 3mmØ (black), 1x 3mmØ (red)
- 1x 4.5mmØ (black), 1x 4.5mmØ (red)
- 1x 6.5mmØ (black), 1x 6.5mmØ (red)
- 1x 7mmØ (black), 1x 7mmØ (red)
- 1x 10mmØ (black), 1x 10mmØ (red)
- 1x 13mmØ (black), 1x 13mmØ (red)

Colour	Code
Black & Red	HSK18



## HEAT SHRINK KIT MIL. SPEC. XLP 7 PIECES

A selection of seven popular sizes.  
7 Pieces of 1.2 Metre lengths XLP Series. XLP1.5BK, XLP2.5BK, XLP3BK, XLP5BK, XLP7BK, XLP10BK, XLP13BK

Code
HSK1BK



## HEAT SHRINK CUT KIT

### 180 PIECE KIT 45mm

Colour coded heat shrink tubes from 2mm to 9mm diameter. 45mm of length in white, black, green, red, blue & yellow colour. Diameter will reduce by up to 50% when heated to 125°C.

Code
HSK1800



## DUAL WALL WITH ADHESIVE HEAT SHRINK KIT

### 47 PIECE KIT 95MM IN BLACK

Black polyethylene heat shrink tubes from 3.2mm to 19mm. It has a polymer layer on the outside and an inner adhesive layer which provides a water-tight seal and protection for the wires and connectors. Diameter. 95mm of length Shrinking ratio: 3:1, operating temperature range: -45 - 125°C

Type	Code
47 pcs	HSK47BK



## DUAL WALL ADHESIVE HEAT SHRINK KIT B&R

### 47 PIECE KIT 95MM IN BLACK & RED

Black and Red polyethylene heat shrink tubes from 3.2mm to 19mm. It has a polymer layer on the outside and an inner adhesive layer which provides a water-tight seal and protection for the wires and connectors. Diameter. 95mm of length Shrinking ratio: 3:1, operating temperature range: -45 - 125°C

Type	Code
47 pcs	HSK47RB



## HEAT SHRINK TUBING KIT MULTI-COLOUR

### 163 PIECE KIT 95MM

Colour coded heat shrink tubes from 1mm to 16mm diameter. 95mm of length in white, black, green, red, blue & yellow colour. Diameter will reduce by up to 50% when heated to 125°C.

Type	Code
163 pcs	HSK163







## □ Installation Misc

### FIXING BITS

#### SCREW GAUGE

Rough guide only.

1.59mm = 1/16"

1.98mm = 5/64"

2.38mm = 5/32"

3.18mm = 1/8"

Nominal Diameter	Clearance	Pilot Hole
Gauge	mm	Hole
6	3.45	3.57
7	3.81	3.97
8	4.17	4.37
10	4.88	5.16
		WoodMetal
		1.59 2.38
		1.59 2.38
		1.98 3.18
		1.98 3.18

SEE TOOLS  
SECTION



### CHIPBOARD WOOD SCREWS

#### BOX OF 100x SCREWS

Order one to receive a box  
Blister pack of 100 pieces  
Zinc steel self-tappers coarse  
for medium density particle  
board & soft woods.

Size	QTY	Code
4.0x13mm	100	STC4013
4.0x19mm	100	STC4019



### MDF & WOOD SCREWS

#### BAG OF 100x SCREWS

Bugle-head Self-tappers Dual-start Fine-threaded  
High-density particle board or any type of solid wood

Size	QTY	Code
7G x 20mm	100	SBHP720
7G x 25mm	100	SBHP725
7G x 30mm	100	SBHP730
7G x 35mm	100	SBHP735
7G x 45mm	100	FRBH745
7G x 50mm	100	SBHP750
8G x 50mm	100	SBHP850
8G x 63mm	100	SBHP863



### METAL SELF-DRILL SCREWS

Wafer Head Self-Drill  
Metal work screws  
Fine Threaded  
Zinc yellow

#### WAFER HEAD

Size	QTY	Code
10G x 22mm	100	SWTS1022
10G x 30mm	100	SWTS1030



#### WIDE PAN HEAD

Size	QTY	Code
3.9x13mm	100	SDP3913
3.9x16mm	100	SDP3916



#### HEX HEAD

Size	QTY	Code
3.9x13mm	100	SDH3913
3.9x16mm	100	SDH3916
3.9x22mm	100	SDH3922



### SCREW PACK

#### 950 SCREWS 10 TYPES

Tackle box with popular self drilling  
wood & metal self-tap screws.  
Bugle, Button, Pan and Washer Head  
type screws. 950 pieces.

Code  
SCR950



### PLASTER BOARD BUTTON HEAD

#### ZINC

Washer-head Needle Points Hex-  
head 1/4" (6.35mm) screws Dual-start  
Coarse-threaded Pilot hole type  
screws for some woods & metals,  
etc. Zinc metal (yellow) finish.

Size	QTY	Code
8G x 15mm	100	SBTN815
8G x 25mm	100	SBTN825
8G x 32mm	100	SBTN832



### BUTTON HEAD

#### ZINC

Pan-head Needle Point Dual-start  
Fine-threaded Pilot hole type screws  
for High-density particle board Metals  
& some woods, etc. Zinc metal  
(yellow) finish. Cabac quality products

Size	QTY	Code
6G x 20mm	100	SPNP620
6G x 30mm	100	SPNP630
6G x 50mm	100	SPNP650



### WOOD & METAL SCREWS

#### BAG OF 20x SCREWS

Hex-head 1/4" (6.35mm) Phillips head  
screws Single-start Coarse-threaded  
Pilot hole type screws for medium and  
high density MDF Black anodised finish.  
Supplied 20 per packet

Size	QTY	Code
8G x 20mm	20	STS7B
10G x 25mm	20	STS8B



### HEX WASHER HEAD SELF TAP

#### BAG OF 100 PCS

Black zinc plating case hardened  
Carbon steel 1022a Pack of 100 pcs.

Size	QTY	Code
3.9x13mm	100	STH3913
3.9x16mm	100	STH3916
3.9x22mm	100	STH3922



MORE STYLES AVAILABLE  
See Section TOOLS & TEST EQUIPMENT





## Installation Misc

### NUT & BOLT KITS

#### BAGS OF NUT/BOLT/WASHERS

Pan head Posi Bolt x50 Nut x50 & Washer x50  
Black oxide finish Metric threaded set

#### M3 [3mm Hole]

QTY	Code
50 x3	M350KB

#### M4 [4mm Hole]

QTY	Code
50 x3	M450KB



### NUTS & BOLTS

Stainless Steel. X10

#### M3 BOLTS

QTY	Code
10	YC85

#### M3 NUTS

QTY	Code
10	YC81

#### M3 SPRING WASHERS

QTY	Code
10	YC84



## Pop Rivets & Tool

### POP RIVETS

#### RIVET GUN & RIVETS

Heavy duty 260mm metal  
Rivet gun with bonus 60x  
pieces of assorted rivets.  
Toolbox packaged.

Code
PA26448



#### BAG OF RIVETS

4mm x 10mm [100pcs]

Order one to receive a bag 100

Code
SCPR1

## Cable Management

### CABLE STAYS

#### SQUARE WIRE HOLDERS

Snap-fits 4mm holes Snap-locks  
cables for neat and tidy work.  
Order 1 to receive 100.

#### 16x11mm

QTY	Code
100	WH1

#### 25x11mm

QTY	Code
100	WH2



### CABLE STAND-OFFS

#### CABLE TWIST & HOLDER

Snap-fits 4mm holes Twists to  
hold cables with stand-off arm.  
Order 1 to receive 100.

#### 11mmØ

QTY	Code
100	WTL11

#### 17mmØ

QTY	Code
100	WTL17



## Tapes

### DOUBLE-SIDED TAPE

Premium grade adhesive tapes.  
Very thin Tissue acrylic leaves  
no gap between secured objects.  
White. \*Are cloth reinforced.

Cloth	Width	Length	Code
	12mm	33M	DST5238
	24mm	33M	DST5242
*Y	24mm	25M	DST4506
*Y	48mm	25M	DST4510



### DOUBLE-SIDED FOAM TAPE

Premium grade adhesive rolls.

Colour	Thick	Width	Length	Code
Black	1mm	12mm	10M	DST4884
White	1mm	12mm	50M	DST4945
Black	1mm	18mm	5M	IT50
White	1mm	18mm	50M	DST4946



### MASKING TAPE

#### PREMIUM GRADE

Non-tear quality.

#### 24mm x 50M

Length	Code
50M	MSK2002

#### 48mm x 50M

Length	Code
50M	MSK2004



### GAFFA TAPE

#### GENUINE NASHUA 357

Made in USA. Best available.  
Cloth reinforced poly tape.

#### 48mm x 40M ROLLS

Colour	Code
Black	GAF357BK
Silver	GAF357SL
White	GAF357WH

#### 48mm x 40M REPLICA

Colour	Code
Black	GAF399

#### Black/Yellow striped 25M

Code
HCT3220



## VELCRO® - SEE CABLES & CONNECTORS SECTION

#### GENUINE VELCRO® BRAND WRAP

We stock a comprehensive range of  
genuine Vecro® brand items.  
See Section Cables & Connectors...

#### STICK-ON BLACK 25x50mm

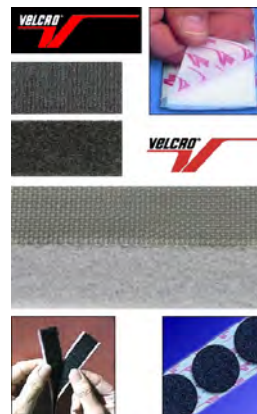
QTY	Code
6 ea	FT25558

#### ROUGH SURFACE GREY 25x100mm

QTY	Code
3 ea	FT25546

#### STICK-ON DOTS BLACK 13mmØ

QTY	Code
40 ea	FT25568







## Tools

### SOCKET & WRENCH SET

#### 29 PIECE CHROME-VANADIUM

Compact cased tool kit with 150mm Ratchet Mini Socket Set Made from quality components High grade Chrome-Vanadium Hand driver and uni-joint T-Bar torque driver 12x Hex Sockets 4 to 13mm 12x Screw driver bits

Code

GTK231



### ELECTRONIC TOOL KIT

#### 25 PIECE HANDY TOOL CASE

An assortment of popular tools as used by the electronic tradesmen conveniently packaged in a zip-up wallet case for the mobile installer. All tools are premium grade long-life includes a 240Vac Soldering Iron, Solder, sucker, braid, paste, Cutters, pliers, nippers, drivers, Files, scribe & cleaning tools. Case is 300x200x50mm

Code

GTK030B



### AUTOMOTIVE REFITTING TOOL KIT

This auto refitting toolset consists of 12 pieces well design tool for refitting of car panels for GPS, stereo, radio and DVD installation.

Code

REM000



### FOLDING RADIO REMOVAL KIT

#### 36 FUNCTION TWIN SET

Clip design protects tools. Easier to grip than plain wires. Suits vehicles with Clarion, Sony, Blaupunkt systems.

Code

HT8048



### MORE TOOLS

#### PLEASE ENQUIRE

TOOLS & TEST EQUIPMENT holds an extensive range of hand tools for the tradesman to the hobbyist with professional grade and also well priced options.



SECTION TOOLS & TEST EQUIPMENT

### RADIO SERVICE TOOL KIT

#### REMOVAL TOOLS

Unique hand tools required to remove todays car audio items Includes the 5 TORX bits GM Code retriever Chrysler radio remover Ford radio remover clips Antenna multi-wrench packaged in a tool box.

Code

HTJ5800



### FORD RADIO REMOVAL TOOLS

#### TWIN BULLET CLASPS

As required for removing the radio from the dash.

Code

HTJ7575



### MERCEDES & BMW TOOL SET

#### IGNITION & RADIO

Kit contains: Radio removal tools Instrument cluster hooks Ignition lock removal

Code

HTJ1135



### ANTENNA NUT SET

#### 5 PIECE KIT

Vanadium steel sockets Professional solutions Suits most car antenna HEX nut standard socket 20mm Dual/Tri/Quad 25mm and 30mm set.

Code

AT300A



### ANTENNA WRENCH

#### STAMPED STEEL MULTI

Fits many of todays car antennas for removal. 20mm to 30mm.

Code

HTJ5700







## 12V WORK LIGHT

### 12V FLUORO TUBE 13W

Bright fluorescent double folded lamp with hook for under bonnet, camp sites, etc. 12Vdc. 1A. Includes 3.0M cable to accessories 12V plug. 370mm Long.

Code  
TT1104



## LED WORK LIGHT

### 12V RECHARGEABLE

26X Super Bright LEDs. Charge from mains or Car 12V. 435mm in length. Includes 12Vdc & 240Vac chargers.

Code  
WL3



## 12V WARNING LAMP

### AMBER EMERGENCY STROBE

Excellent solution for safety and emergencies. 12Vdc accessories plug. Curly cord 1M to 2M long. Felt padded magnetic base bonnet or hood placement Rotating globe mirror Spare globe included 120mm Base 145mm High Orange (Amber).

Code  
TT1100



## 12V IMPACT WRENCH

### ELECTRONIC SOCKET KIT

This is the easiest way to change tyres. Simply plug the cord into your vehicle's accessories socket or with the adaptor, attach directly to your car's battery. It provides up to 100 watts of impact power so you can loosen or tighten wheel nuts with minimal effort in seconds. It has a built-in aiming light to assist you to see at night too. Conveniently packaged in a tool case. Stores easily in the boot for that un-anticipated emergency situation. Save effort and energy for the garage.

### KIT INCLUDES:

Extra long power cable 4M accessories plug with direct to battery adaptor using alligator clips plus Hub cap remover lever, 4x socket sizes all in a sturdy ABS plastic case.

Code  
TT607



## UP DATE YOUR TYRE-IRON



## 12V AIR COMPRESSOR 250PSI

### ELECTRONIC TYRE PUMP

250 PSI high pressure air compressor. Comes with nozzle adaptors & sports needle. Built-in handy pressure gauge. 2.2M power cord with accessories plug. Excellent multi-purpose electronic compressor for the garage or boot.

Code  
MCP250

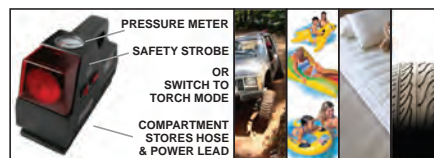


## 12V AIR COMPRESSOR DELUXE

### 300 PSI TYRE PUMP WITH ROAD-SIDE WARNING LAMP

300 PSI high pressure air compressor. Comes with nozzle adaptors & sports needle. High power deluxe model is able to inflate average sized, flat tyres in 5-7 minutes. Built-in pressure gauge (kpa & bar) Built-In safety / warning flashing light, or switch to work light for night use. 2.2M power cord with accessories plug. Storage compartment to keep leads, hose and adaptors tidy and out of the way. Excellent multi-purpose electronic compressor for the garage or boot. Size 100x260x160mm inclusive.

Code  
Y601







## □ Harnesses and wiring

### □ Harness - Quick Disconnect

#### 2 PIN RUBBER & BULLET PAIR

Low voltage high current up to 25A  
30cm Lead. 7.5x15mm IP65

Code  
QD2P



#### 4 PIN RUBBER & BULLET PAIR

Low voltage high current up to 25A  
30cm Lead. 7.5x30mm IP65

Code  
QD4P



#### 6 PIN RUBBER & BULLET PAIR

Low voltage high current up to 25A  
30cm Lead. 18x25mm IP65

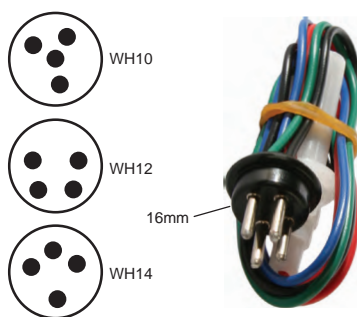
Code  
QD6P



#### 4 PIN CAR HARNESS ROUND

4 Pins and 30cm leads.  
Includes Fuse Holder.  
Moveable pin locations  
for assorted solutions.  
Suits old car stereos  
and early equipment.  
Barrel is 16mmØ and  
pins 2.3mmØ

Code  
WH10  
WH12  
WH14



#### UNIVERSAL

Adjust pin location

Code  
UWH1



#### CB RADIO DC POWER CONNECT

Suit CB radio, etc.  
Plug to Bare wire.  
Fused. Red/Black.

Pins	Code
2 Pin	DCL2
3 Pin	DCL3



#### UNIDEN RADIO DC LEAD

##### 2 PIN POWER

Inline fuse 2A 2M x 18AWG lead

Description	Code
Square/Round	DCL510
Arch/Round	DCL505



#### QUICK DISCONNECT

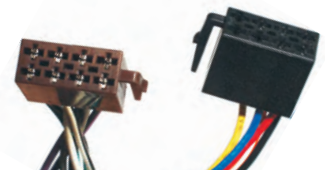
Each plug is Available in Bulk packets of 100  
See Section CABLES & CONNECTORS



#### "ISO" STEREO HARNESS FEMALE

Female "ISO" Connector  
to Bare Wire ends with EIA  
Colour. X2 (Power & Speaker)

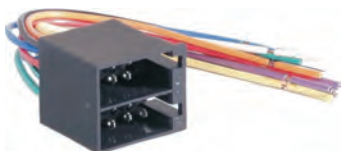
Code  
APP7200



#### "ISO" STEREO HARNESS MALE

Male "ISO" Connector to Bare  
Wire ends with EIA Colour. X2  
(Power & Speaker)

Code  
APP7201



#### ISO MALE TO FEMALE HEAVY-DUTY

##### 3.8M EXTENSION

Code  
APISOHD



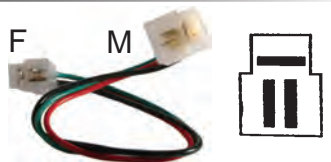
#### 2 PIN CAR STEREO HARNESS

Code  
WH18



#### 3 PIN CAR STEREO HARNESS

Code  
WH20



#### 4 PIN CAR STEREO HARNESS

Code  
WH22



PLUG ONLY  
+ Fuse Holder

Code  
WH16



#### 6 PIN CAR STEREO HARNESS

Code  
WH24



#### 4 WAY AUTOMOTIVE PLUG SOCKET

6.3mm spade connector car harness.  
plug and socket housing and 4 sets  
of male and female spade plugs.  
Size: 20mmx 12mm

Code  
CA2066







## □ Harness - ISO Head Unit Adaptors

### ISO ADAPTORS - APP8 SERIES

#### AFTERMARKET AUDIO TO ISO

The APP8 series of harnesses are designed to plug directly into the back of a majority of of aftermarket car audio like Alpine, Clarion, Sony, etc. giving you a male pair of ISO plugs on the other end to use.



#### ALPINE TO ISO

##### CDE100EUB PINS 16

Designed to plug directly into the dash plug of your car to enable the use of after-market car audio. The ISO connector suits Alpine model CDE100EUB. 16 Pin Plug.

Code  
APP8ALP



#### ALPINE TO ISO

##### SQUARE PINS 16

Adapts later model Alpine Car Audio to ISO compatibility. 16 Pin plug. Square holes.

Code  
APP8ALPH



#### ALPINE TO ISO

##### ROUND PINS 16

Adapts later model Alpine Car Audio to ISO compatibility. 16 Pin plug. Round holes.

Code  
APP8ALPL



#### CLARION TO ISO

##### LATEST 15 PIN

Adapts later model Clarion Car Audio to ISO compatibility. 15 Pin plug.

Code  
APP8CLA



#### CLARION TO ISO

Suits Clarion head units:  
CZ100A/ CZ101A/ CZ200A/  
CZ201A/ CZ309E/ CZ500A/  
CZ501A.

Code  
APP8CLA2



#### CLARION TO ISO

To suit CLARION head units  
MAX386VD/ NX501A/ VRX406BD/  
VX400A/ VZ400A/ VX401A/ VZ401A/  
VX409A/ VZ409/ VX709A/ VZ709A.

Code  
APP8CLA3

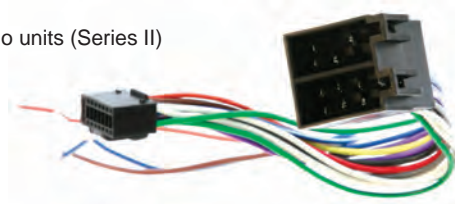


### JVC TO ISO HARNESS

#### 16 PIN MODEL

Suits JVC car audio units (Series II)  
- 16 Pin

Code  
APP8JVC2



#### JVC TO ISO

Suits JVC head unit models:  
KD-R326/ KD-R526/ KD-R626  
with added 3.5mm plug.

Code  
APP8JVC3



#### JVC TO ISO

##### 2X8 SINGLE PLUG

Adapts later model JVC Car Audio to ISO compatibility. 16 Pin plug.

Code  
APP8JVC



### KENWOOD TO ISO

#### 2000-2004 MODELS

Adapts early model Kenwood Audio to ISO compatibility. 14 Pin plug.

Code  
APP8KE



### KENWOOD TO ISO

#### 2005+ MODELS 16

Adapts later model Kenwood Audio to ISO compatibility. 16 Pin plug.

Code  
APP8KE1

#### DDX4015BT

Code  
APP8KE2



### SONY TO ISO

#### 16 PIN MODELS

Adapts latest model Sony car Audio to ISO compatibility. 16 Pin plug

Code  
APP8SP



### SONY TO ISO

Suits SONY models  
XAV63/ XAV601BT/  
XAV701BT, 16 pin plug

Code  
APP8SP2







### SONY TO ISO

Sony to ISO 16 Pin Harness, suits Sony model head units 2013 on.  
Including: WXGT80UI/ WXGT90BT/  
CDXGT320MP/ CDXG1050U/  
CDXG2050UP/ CXSG1016U/  
MEXN4050BT/ MEXN5050BT.

Code  
APP8SP3



### SOUND-4 TO ISO

#### SINGLE PLUG TYPE

Adapts latest model  
Sound-4 Car Audio to  
ISO compatibility.

Code  
APP8S41



### SOUND-4 TO ISO

#### DOUBLE PLUG TYPE

Adapts early model Sound-4  
Car Stereo and other  
brands to ISO compatibility.  
1x9 pin & 1x6 pin.

Code  
APP8S42



### PANASONIC TO ISO

#### LATER MODELS

Adapts Panasonic Car  
Audio to ISO compatibility  
for easy install into your car.

Code  
APP8PAN



### PIONEER TO ISO

#### LATEST MODELS 14 PIN

14 Pin plug. Suit P102, P103,  
P104, P105, P106, P107. etc.

Code  
APP8PIO



### PIONEER TO ISO

To suit PIONEER models  
- DEHP9850, AVHP7950,  
AVHP4950, 16 pin plug

Code  
APP8PIO2



### PIONEER TO ISO

Suits PIONEER head units:  
DEH1250, DEH1250MP  
16 pin plug

Code  
APP8PIO3



### PIONEER TO ISO

Suits PIONEER head units:  
MVH8250, MVH8250BT,  
AVHP3250DVD,  
AVHP3250BT,  
AVHP4250DVD  
16 pin plug

Code  
APP8PIO4



### PIONEER TO ISO

Suits PIONEER head unit: DVHP3250UB -16 pin plug

Code  
APP8PIO6



### PIONEER TO ISO

Suits PIONEER head unit:  
AVICF20BT, AVICF30BT,  
AVICF40BT  
Includes vehicle speed  
sense wire - 16 pin plug

Code  
APP8PIO7



### PIONEER TO ISO

Suits most of the latest PIONEER head units including: -16 pin plug  
DEH1350MPG, DEH2250UBC, DEH3250UB, DEH4250SD,  
DEH5250SD, DEH3350UB, DEH4350UB, DEH6350SD, DEH7350BT  
2013: DEH2550UI, DEHX3550UI, DEH4550BT, DEHX6550BT,  
DEHX8550BT  
2014: MVHX165UI, MVHX365BT, MVHX565BT, DEH155MPG,  
DEHX1650UBG, DEHX2650UI, DEHX3650UI, DEHX4650BT,  
DEHX6650BT, DEHX8650BT, FHX755BT

Code  
APP8PIO5



### PIONEER TO ISO

Pioneer to ISO harness 16 pin

- AVH275BT
- AVH-X3700DAB
- AVH-X5700DAB

Code  
APP8PIO8



### ISO CONNECTORS

#### International Organisation for Standardisation

Convert your car Dash  
and Aftermarket audio  
to ISO This will allow  
easier installation as  
connections now have  
compatibility.







## □ Harness - ISO Dash Adaptors

### ISO ADAPTORS - APP SERIES

#### CAR DASH PLUG TO ISO

The APP series of harnesses are designed to plug directly into the dash plug of your car to enable the use of after-market car audio with ISO conversion. All adaptors are ISO sockets. See APP8 Series for adaptors.

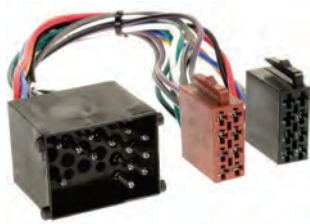


#### ISO TO BMW

##### Round Pin

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP021



#### ISO TO BMW

##### Mini Cooper 2002-04 Square Pin

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP022



#### ISO TO CHRYSLER

##### SUITS JEEP, etc.

Adapts dash plug to ISO so as to fit an after-market stereo through ISO compatibility. See also APP8 Series.

Code  
APP020



#### ISO TO CHRYSLER/JEEP

Chrysler/Jeep/Dodge Chrysler 300 2008 07 Up, Voyager 2008 07 Up,

Code  
APP018



#### ISO TO CHRYSLER/JEEP

Harness for Chrysler 300 M (02+), Chrysler Grand Voyager RG (02+), Neon PL (02+), PT Cruiser (PG) (09/01+), Voyager (RG) (02+), Wrangler (01/03+), Jeep Cherokee (02+), Grand (02+), Wrangler (01/03+)

Code  
APP019



#### ISO TO DAEWOO

##### SUITS MOST DAEWOO

Adapts dash plug to ISO so as to fit an after-market stereo with ISO compatibility. See also APP8 Series.

Code  
APP030



#### ISO TO DAIHATSU

##### SUITS 1989+

Adapts dash plug to ISO so as to fit an after-market stereo via ISO compatibility. See also APP8 Series.

Code  
APP040



#### ISO TO FALCON AU

##### SUITS 1998-2000

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP053



#### ISO TO FALCON EA-ED

##### SUITS 1988-1994

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP050



#### ISO TO FALCON EF-EL

##### SUITS 1995-1998

Adapts dash plug to ISO so as to fit an after-market stereo w/ ISO compatibility. See the APP8 Series.

Code  
APP051



#### ISO TO FORD

##### Fiesta 2003/05

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP054



#### ISO TO FORD

##### Focus , Fiesta , Mondeo , Transit

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP055



#### ISO TO FORD

Ford Cougar (98 - )  
Explorer (01 - 05)  
Focus (02 - 04)  
Ka (99 - )  
Mondeo (00 - )  
Transit (00 - 06)

Code  
APP056







## ISO TO HOLDEN ASTRA / VECTRA

**Astra , Vectra 1988 on , VY Commodore**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP064



## ISO TO HOLDEN BARINA 08-11

Holden Barina TK Sedan (2006 - 11), Barina TK hatch (2008 - 2011), Captiva 7 CG Series 1 - (2006-2011), Epica EP (2007 - )

Code  
APP016



## ISO TO HOLDEN BARINA 05-08

Designed to plug directly into the dash plug of your car to enable the use of after-market car audio. The ISO connector suits the following model: Holden TK Barina Hatch (2005-2008)

Code  
APP015



## ISO TO HOLDEN RODEO

Designed to plug directly into the dash plug of your car to enable the use of after-market car audio. The ISO connector suits Rodeo 2003 - 2006 models.

Code  
APP063



## ISO TO HOLDEN COMMODORE

**COMMODORE 1988-1993**

Code  
APP060

**COMMODORE 1993-1997**

Code  
APP061

**COMMODORE 1997-2001**

Code  
APP062



## ISO TO HONDA 1986+

**MOST HONDAS**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP070



## ISO TO HONDA CIVIC 06+

Designed to plug directly into the dash plug of your car to enable the use of after-market car audio. The ISO connector suits the following models: Honda Civic, CR-V (06 - )

Code  
APP076



## ISO TO HONDA 99+ & SUZUKI

Suits Honda Accord, Civic, CR-V, Legend, HR-V, Prelude - 1999 on, Honda Jazz 2001 on, Suzuki Ignis, Jimny, Liana, 04/2002 on, Swift, Vitara, Wagon R+ 2006 on...

Code  
APP071



## ISO TO HYUNDAI EXCEL 86+

**EXCEL X1 86-89**

**SONATA 89-98**

Adapts dash plug to ISO so as to fit an ISO after-market radio See APP8 Series.

Code  
APP080



## ISO TO HYUNDAI EXCEL 90+

**EXCEL X2/X3 90-00**

**ACCENT 00-05**

**LANTRA 91-00**

Adapts dash plug to ISO 3rd-party radio See APP8 Series.

Code  
APP081



## ISO TO HYUNDAI GETZ

**ELANTRA 00-05**

**SANTA FE 00-05**

**SONATA 99-05**

Adapts dash plug to ISO after-market unit See APP8 Series.

Code  
APP085



## ISO TO HYUNDAI iX35

Designed to plug directly into the dash plug of your car to enable the use of after-market car audio. The ISO connector suits Hyundai iX35 (09 - ), iLOAD, IMAX (08 - ).

Code  
APP087



## ISO TO HYUNDAI & KIA

**2005 on, Kia 2004 on**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP086



## ISO TO KIA

**Pregio 1995-02**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP074





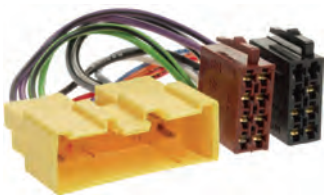


## ISO TO MAZDA

**Mazda 3 2003 on, Tribute 2000 on**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP072



## ISO TO MITSUBISHI

ISO harness to suit Mitsubishi Outlander, Lancer, Pajero (07 - ), Peugeot 4007 (2009)

Code  
APP0113



## ISO TO MITSUBISHI

**EARLY 2 PLUG TYPE**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP0110



## ISO TO MITSUBISHI

**LATE 1 PLUG TYPE**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP0111



## ISO TO NISSAN

**Nissan 2000 on**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP073



## ISO TO NISSAN

**1995+**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP0120



## ISO TO NISSAN

**1987-1994**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP0121



## ISO TO SAAB

**Saab 9.3 1993 - 2006 / Alfa 1993 on**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP075



## ISO TO SUBARU

**MOST MODELS**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP090



## ISO TO SUBARU

**Subaru 2007 on**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP091



## ISO TO SUZUKI

**LATE MODELS**

Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility. See APP8 Series.

Code  
APP0130



## ISO TO TOYOTA

**EARLY MODEL 2 PLUG**

"Smaller" 2-Plug type  
Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility.

Code  
APP0140



## ISO TO TOYOTA

**LATE MODEL 2 PLUG**

"Larger" 2-Plug type  
Adapts dash plug to ISO so as to fit an after-market stereo ISO compatibility.

Code  
APP0141



## ISO TO VOLVO

Volvo S40 04/2000+, S60 01/2001+, S70 04/2000+, S80 01/1998+

Code  
APP023



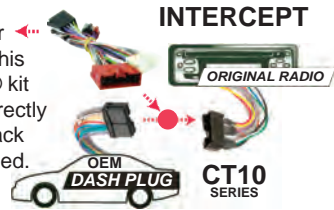




## □ Harness - T Harness

### T HARNESS

T-harnesses let you integrate an additional device such as an aftermarket Bluetooth® kit into your car's factory radio and it's wiring. This allows your aftermarket Bluetooth® kit to work with your car's speakers directly when on a phone call and revert back to the stereo when the call has ended.



### T HARNESS AUDI

Compatible with the MMI Navigation system, 8 Speakers  
To suit A4 2009>, A4 Allroad, A5 2009>, A6 2009>, A6 Allroad, A8 2008>, Q5 2008>.



Code  
CT10AU09

### T HARNESS FORD

1 x 7 Pin + 1 x 8 Pin Connectors  
To suit Fiesta 1991-2001  
Focus 1998-2004  
KA 1996>  
Mondeo 1994-2003  
Transit 1997-2002



Code  
CT10FD01

### T HARNESS FORD

To suit Ranger 2007>

Code  
CT10FD07



### T HARNESS HOLDEN

CRUZE 2009-2013

Code  
CT10CV04



### T HARNESS HOLDEN

Quadlock 16 Wires Populated  
Astra 2004-2010  
Tigra 2005>  
Zafira up to 2005

Code  
CT10VX03



### T HARNESS HOLDEN

Quadlock 40 Wires Fully Populated  
ASTRA 2004-2010  
TIGRA 2005+>

Code  
CT10VX04



### T HARNESS HOLDEN

HOLDEN CAPTIVA 7 2006>

Code  
CT10CV01



### T HARNESS HOLDEN

VE Series 1 Commodore

Code  
AT10VE01



### T HARNESS HONDA

To suit: Accord 2005-2008  
Civic 2005>  
CR-V 2007>

Code  
CT10HD03



### T HARNESS HONDA

To suit: Accord 1993-2002  
Civic 1992-1998  
Prelude 1992-2001

Code  
CT10HD01



### T HARNESS HONDA

To suit: Civic 2003-2005  
CRV 1997-2006  
S2000 1999-2010

Code  
CT10HD02



### T HARNESS HONDA

To suit:  
Accord 2008>  
Jazz 2008>

Code  
CT10HD05



### T HARNESS ISUZU

To suit D-Max 2007>

Code  
CT10IS01







## T HARNESS KIA

To suit KIA Carnival 2003-2005  
Cerato >2009  
Optima >2006  
Rio 2008>  
Sedona >2005  
Sorento 2002-2007

Code  
CT10KI01



## T HARNESS KIA/HYUNDAI

To suit Kia Sportage 2005>

Code  
CT10KI02



## T HARNESS LAND ROVER

Compatible with  
the Harmon Kardon  
Premium Audio System.  
To suit:  
Discovery 2005>  
Range Rover Sport>

Code  
CT10LR02



## T HARNESS LAND ROVER

For Standard Audio System  
To suit Discovery 2005> and  
Range Rover Sport 2007>

Code  
CT10LR01



## T HARNESS LEXUS

To suit Lexus GS 450H 2006>  
IS 220D 2005>  
IS 250 2005>  
IS 350 2005>  
IS Series 2008>  
LX Series 2008>

Code  
CT10LX01



## T HARNESS MAZDA

To suit Mazda 323 2000-  
626 2000-  
MPV 2000-  
MX3 2000-  
MX5 2000-

Code  
CT10MZ02



## T HARNESS MITSUBISHI

With Navigation, Non Amplified  
To suit: ASX 2010-  
Lancer 2007-  
Outlander 2007-  
Pajero 2007-  
Triton 2006(my07) -

Code  
CT10MT04



## T HARNESS MITSUBISHI

With Navigation and Amplifier  
Lancer 2007-  
Pajero 2007-  
Challenger 2007-  
Triton 2006(my07) -

Code  
CT10MT02



## T HARNESS MITSUBISHI

Without Navigation, with Amplifier  
Lancer 2007-  
Outlander 2007-  
Pajero 2007-  
Challenger 2007-  
Triton 2006(my07) -

Code  
CT10MT03



## T HARNESS MITSUBISHI

Colt 1996>  
Lancer 1996-2006  
Triton 1996-2006  
Galant 1996>  
Pajero 1996-2006

Code  
CT10MT01



## T HARNESS NISSAN

To suit all Nissan models 2000-2005

Code  
CT10NS03



## T HARNESS NISSAN

To suit Nissan 350Z (Z33) 2003-2008  
Micra (K13) 2011-  
X trail T30 & T31 2001-2009  
X trail sport + SVE 2001-2008

Code  
CT10NS04



## T HARNESS NISSAN

To suit Nissan Navara 2007>  
Pathfinder 2007>  
Murano 2007>  
Tilda 2007>

Code  
CT10NS05



## T HARNESS SUBARU

To suit Impreza (GD) 2002-2007  
Liberty 1994-2002  
Outback 2000-2003 (3GEN MY03)  
Also suitable for units with Kenwood  
Factory Nav 2008-2013

Code  
CT10SU01







## T HARNESS SUBARU

To suit SUBARU Forester 2007>  
and Impreza 2007>

Code  
CT10SU02



## T HARNESS SUZUKI

To suit Alto 2004>,  
Grand Vitara 2003>

Code  
CT10SZ01



## T HARNESS TOYOTA

A T-harnesses let you  
integrate an additional  
device such as an  
aftermarket Bluetooth®  
kit into your car's factory  
radio and it's wiring.

Code  
CT10TY01



## T HARNESS VOLVO

To suit XC60 2008>,  
XC90 2004>

Code  
CT10VL05



## WIRING COLOUR GUIDE

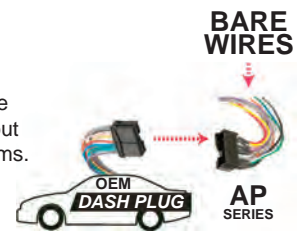
	RED	12V (+) ACCESSORIES
	YELLOW	12V (+) CONSTANT
	PINK	MUTE
	BLACK	GROUND
	BLUE	POWER ANTENNA
	BLUE/WHITE	REMOTE
	ORANGE	ILLUMINATION
	ORANGE/WHITE	DIMMER
	GREY	RIGHT FRONT (+)
	GREY/BLACK	RIGHT FRONT (-)
	WHITE	LEFT FRONT (+)
	WHITE/BLACK	LEFT FRONT (-)
	VIOLET	RIGHT REAR (+)
	VIOLET/BLACK	RIGHT REAR (-)
	GREEN	LEFT REAR (+)
	GREEN/BLACK	LEFT REAR (-)

## □ Harness - OEM Audio Bare Wire

## WIRE HARNESS - AP SERIES

### CAR DASH PLUG TO WIRE

The AP series of harnesses are  
designed to plug directly into the  
dash plug of your car to enable the  
use of aftermarket car audio without  
cutting the original cars wiring looms.  
Maintain factory condition.



## AP SERIES - CHRYSLER JEEP

### 16 PIN

Wired this directly to your  
after-market car audio unit  
and then plugs directly into  
your vehicles harness.

Code  
AP1020



## AP SERIES - DAIHATSU 1989+

### 1X9 + 1X5 PLUG

Wire this directly to your  
after-market car audio unit  
and then plugs directly into  
your vehicles harness.

Code  
AP1398D



## AP SERIES - FORD FALCON AU

### 14 PIN 1997-2002

Wire this directly to your  
after-market car audio unit  
and then plugs directly into  
your vehicles harness.

Code  
AP1053



## AP SERIES - FORD FALCON EA-ED

### 12 PIN 1988-1994

Wire this directly to your  
after-market car audio unit  
and then plugs directly into  
your vehicles harness.

Code  
AP1692F



## AP SERIES - FORD FALCON EF-EL

### 1X4+1X8 1995-1998

Wire this directly to your  
after-market car audio unit  
and then plugs directly into  
your vehicles harness.

Code  
AP7901F



## AP SERIES - HOLDEN VN-VP

### 13 PIN 1988-1993

Wire this directly to your  
after-market car audio unit  
and then plugs directly into  
your vehicles harness.

Code  
AP1782H







## AP SERIES - HOLDEN VR-VS

### 13 PIN 1993-1998

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP1783H



## AP SERIES - HOLDEN VT-VX

### 13 PIN 1997-2001

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP1784H



## AP SERIES - HONDA

### 12 PIN 1986+

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP1720



## AP SERIES - HYUNDAI 1986-1991

### 11 PIN 1986-1991

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP1736



## AP SERIES - HYUNDAI MID 1991-2000

### 14 PIN 1991-2000

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP7300



## AP SERIES - HYUNDAI 2000+

### 14 PIN 2000+

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP7350



## AP SERIES - MAZDA 90'S

### 1X4+1X8 1990-1997

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP7901F



## AP SERIES - MITSUBISHI DUAL PLUGS

### 1X4+1X8 2 PLUG

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP7010



## AP SERIES - MITSUBISHI SINGLE PLUG

### 11 PIN SINGLE PLUG

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP7011



## AP SERIES - NISSAN 1987-1994

### 1X5+1X8 1987-1994

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP7551



## AP SERIES - NISSAN 1995+

### 1X6+1X9 1995+

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP7550



## AP SERIES - SUBARU

### 13 PIN

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP2001



## AP SERIES - TOYOTA

### LARGER 2 PLUG

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP1398T



## AP SERIES - TOYOTA LATE

### 1X5+1X10 2 PLUG

Wire this directly to your after-market car audio unit and then plugs directly into your vehicles harness.

Code  
AP1761







## □ Harness - OEM Audio Bare Wire

### CAR DASH PLUG - 71 SERIES

#### ORIGINAL DASH PLUGS

If the original dash plug was cut & removed and you now want to replace it, use this. The 71 Series is for restoring to original. Put the factory back in.



### DASH PLUG - DAIHATSU 1989+

#### DASH PLUGS 9+5

Replaces the original factory dash plug loom if missing or removed from an after-market car radio installation.

Code  
711398D



### DASH PLUG - FORD LASER KN & FESTIVA

#### DASH PLUG 4+8

Great for reinstalling the original factory head unit or restoring your system back to the way it was.

Code  
711052



### DASH PLUG - FORD FALCON AU

#### DASH PLUGS 18 PIN

Replaces the original factory dash plug loom if missing or removed from an after-market car radio installation.

Code  
711053



### DASH PLUG - FORD FALCON EA-ED

#### DASH PLUG 12 PIN

Great for reinstalling the original factory head unit or restoring your system back to the way it was.

Code  
711692F



### DASH PLUG - FORD FALCON EF-EL

#### DASH PLUGS 4+8

Replaces the original factory dash plug loom if missing or removed from an after-market car radio installation.

Code  
717901F



### DASH PLUG - HOLDEN COMMODORE VR-VS

#### DASH PLUG 13 PIN

Replaces the original factory dash plug loom if missing or removed from an after-market car radio installation.

Code  
711783H



### DASH PLUG - HYUNDAI 1991-2000

#### DASH PLUG 14 PIN

Replaces the original factory dash plug loom if missing or removed from an after-market car radio installation.

Code  
717300



### DASH PLUG - HYUNDAI 1986-91

#### DASH PLUG 11 PIN

Great for reinstalling the original factory head unit or restoring your system back to the way it was.

Code  
711736



### DASH PLUG - MITSUBISHI SINGLE

#### DASH PLUG 12 PIN

Replaces the original factory dash plug loom if missing or removed from an after-market car radio installation.

Code  
717011



### DASH PLUG - MITSUBISHI DUAL

#### DASH PLUGS 7+5

Great for reinstalling the original factory head unit or restoring your system back to the way it was.

Code  
717010



### DASH PLUG - NISSAN 1995+

#### DASH PLUGS 6+10

Replaces the original factory dash plug loom if missing or removed from an after-market car radio installation.

Code  
717550



### DASH PLUG - TOYOTA EARLY

#### DASH PLUGS 9+5

Great for reinstalling the original factory head unit or restoring your system back to the way it was.

Code  
711398D



### DASH PLUG - TOYOTA 1987-96

#### DASH PLUGS 10+5

Great for reinstalling the original factory head unit or restoring your system back to the way it was.

Code  
AP711761







## □ Harness - Control Adaptors

### STEERING WHEEL CONTROL INTERFACE ASWC-1

Retains your original Steering wheel controls and adapts them to function with a large range of big brand aftermarket radios that have a Steering wheel control input. The unit auto detects many vehicle makes and aftermarket radios and it will preset the steering wheel controls automatically so no programming is required. The unit also has the ability to be manually programmed to suit vehicles & radios not listed in the auto detection feature. Also features an ability to program dual commands on each steering wheel button. A sophisticated solution that does not require CANBUS adaptors. Software can be upgraded. [www.axsessinterface.com](http://www.axsessinterface.com)

- For use with radios equipped with OE steering control input
- One Interface does it all - No additional interfaces needed
- Auto detects type of vehicle and presets the controls
- Auto detects what radio it is connected to
- Works with all major radio brands
- USB Updatable for the most current inventory
- Simple installation behind the radio
- AxxessInterface.com has dedicated installation help
- Non-volatile memory retains settings even if battery is disconnected or interface is removed from the vehicle
- Can be manually programmed to most vehicles on the market
- Pioneer, Kenwood, Sony, Clarion, Eclipse... no problem.
- The ASWC works with many more radio manufacturers..

Code  
ASWC1

This product is known to work in the following vehicles:

Chrysler Voyager 1997-2000  
Dodge Avenger 2007-2009  
Dodge Nitro 2007-2011  
Kia Magentis 2006 - 2010  
Jeep Commander 2009-2010 XK  
Jeep Wrangler 2007- JK  
Jeep Grand Cherokee 2011- WK  
Jeep Grand Cherokee 2009-2011 WH  
Jeep Cherokee 2008-2011 KK  
Jeep Patriot 2009- MK  
Jeep Patriot 2007-2008 MK  
Honda Odyssey 2009-2013  
Honda Odyssey 1995-2000  
Honda Odyssey 2004-2008  
Honda Odyssey 2000-2003  
Holden Barina Spark 2010 - MJ  
Holden Barina 2011- TM  
Honda Accord Euro 2003-2007  
Honda Accord 2003-2007  
Hummer H2 2003-2008  
Hummer H3 2007-2009  
Hyundai Getz 2002-2011  
Ford Explorer 2002-2005 U152 3rd Gen  
Ford Falcon 2002-2008 BA, BF  
Ford F150 1999-2002  
Ford F150 2001-2002 4 Door pick up  
Ford F250 1999-2002  
Ford F350 1999-2002

and more (untested)...  
[www.axsessinterfaces.com](http://www.axsessinterfaces.com)

ADAPT A  
VEHICLES  
STEERING WHEEL  
CONTROLS TO  
AFTER MARKET  
CAR AUDIO



After market radio brands:

Alpine, Eclipse, Clarion, Sony, JVC, Pioneer, Jensen, Visteon, Valor.



### ASWC1 TO PARROT ASTEROID PATCH LEAD

SWC HARNESS FOR PARROT Steering wheel control patch lead for Parrot Asteroid Smart & Parrot Asteroid Tablet To Suit ASWC1 steering wheel control modules

Code  
AXSWCPAR







## □ Harness - Control Dash Converter Modules "C"

### ALFA ROMEO INTERFACE TO "C" TYPE

#### ALFA ROMEO GIULIETTA

To Suit Alfa Romeo  
Giulietta 2010 on OEM  
head unit: Bosch  
Note: Not compatible  
for vehicles with the  
UConnect System

Code  
CHAR7C



### HOLDEN VY/VZ TO "C" TYPE

Control harness C for HOLDEN  
To Suit VY Commodore, VZ Commodore

Code  
CHVYVZC



### ISUZU/HOLDEN STEERING WHEEL HARNESS "C"

#### ISUZU/HOLDEN STEERING WHEEL HARNESS "C"

Suitable for Isuzu D-Max (2012 - ) and  
Colorado (2012 - ) range vehicles.

Code  
CHIZ2C



Primary harness adaptors convert the commands  
from your car's steering wheel controls to a code  
that an aftermarket radio can recognize.

### KIA SORENTO INTERFACE TO "C" TYPE

Sorento 2012-2014 vehicles

Code  
CHKI8C



### MITSUBISHI TRITON INTERFACE TO "C" TYPE

To suit Triton MN  
series 2010 onward

Code  
CHMB5C



### RENAULT INTERFACE TO "C" TYPE

Suits Trafik 2013 and Master 2013 series

Code  
CHRN9C



### SUZUKI STEERING WHEEL HARNESS "C"

Suitable for Kizashi (2010 - ),  
Swift (2005 - ), SX4 (2007-2013)  
and Grand Vitara (2002 - )

Code  
CHSZ1C



### STEERING WHEEL CONTROL CANBUS "C TYPE

#### UNIVERSAL CANBUS MODULE

This module enables control of an  
aftermarket Head unit from the steering  
wheel controls of a CAN-BUS Vehicle.  
Compatible with aftermarket Head units  
with stalk input compatibility.

Code  
APUCB

A head unit specific "C-type" Patch  
lead is required with this interface  
(SOLD SEPARATELY).



This product is known to work in the following vehicles:

Alfa Romeo 147/GT/159/Brera/Mito  
Audi models without MMI  
BMW 1er(E87)/ 3er (E90)  
Citroen C2/C3/C4/C5/C8  
Fiat Bravo/Panda/Punto/500  
Ford C-Max/Fiesta/Focus/Mondeo/S-Max  
Mazda 6  
Mercedes A-class(W169) / B-class (W245) /  
C-class (W203) / E-class (W211) / SLK (R171)  
Opel Agila / Antara / Astra / Corsa / Signum / Tigra / Vectra  
Peugeot Clio / Laguna / Megane / Modus / Scenic / Twingo  
Skoda Fabia / Octavia / Roomster  
VW Eos / Golf / Jetta / Polo / Passat / Tiguan / Touran / Toureg



### KENWOOD ADAPTOR CABLE "C"

Patch lead for Kenwood  
Head unit. Plugs directly into  
APUCB Can-Bus and Control  
Harness C series

Code  
APKWPL



### PIONEER PATCH LEAD "C"

Patch lead to suit Pioneer  
Head unit. Plugs directly  
into APUCB Can-Bus and  
Control harness C series.

Code  
APPIOPL



### SONY ADAPTOR CABLE "C"

Patch lead to suit Sony  
Head unit. Plugs directly  
into APUCB Can-Bus and  
Control harness C series

Code  
APSONYPL







## □ Harness - Control Dash Converter Modules "A"

### CONTROL HARNESS "A" FORD FALCON AU

Control harness a for Falcon AU series 1, 2 and 3

Code  
CHAU23C



### CONTROL HARNESS "A" FOR HONDA

Control harness a for Honda to suit Honda Accord (2008- ), Jazz (2009- ), CRZ (2010- ) and Insight (2009- ).

Code  
CHHO8A



### CONTROL HARNESS "A" HOLDEN VT/VX

Control Harness For Holden Commodore VT/VX Models WH Statesman, Caprice, Calais, Monaro

Code  
CHLTVXA



### CONTROL HARNESS "A" FOR SUBARU

Control Harness A for Subaru Impreza WRX(2007 - 6/2010) / Forester (2008+)

Code  
CHSU1C



### CONTROL HARNESS "A" FOR TOYOTA

Control harness A for Toyota Corolla, RAV 4, Camry with Standard Head unit 08/06-10, Aurion with Standard Head unit 07-10, Hilux 08-11, FJ Cruiser 2011-, Prius 2004-2008, Yaris 2005-2011.

Code  
CHTO2C



### CONTROL HARNESS "A" FOR HOLDEN

Control harness A for Holden VT/VX and VU Ute

Code  
CHVTVXA



### CONTROL HARNESS "A" FOR HOLDEN

Control harness A for Holden VY, VZ, WK, WL

Code  
CHVYVZC



## □ Harness - Control To Audio Unit Adaptors "A"

### ALPINE ADAPTOR CABLE "A"

Alpine adaptor cable suits control harness A

Code  
APALPA



### CLARION ADAPTOR CABLE "A"

Clarion adaptor cable suits control harness A

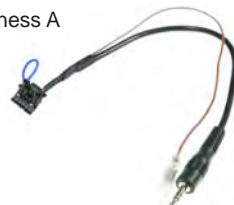
Code  
APCLAA



### JVC ADAPTOR CABLE "A"

JVC adaptor cable suits control harness A

Code  
APJVCA



### KENWOOD ADAPTOR CABLE "A"

Kenwood adaptor cable suits control harness A

Code  
APKENA



### PANASONIC ADAPTOR CABLE "A"

Panasonic adaptor cable suits control harness A

Code  
APPANA



### PIONEER ADAPTOR CABLE "A"

Pioneer adaptor cable suits control harness A.

Code  
APPIOA



### SONY ADAPTOR CABLE "A"

Sony adaptor cable suits control harness A

Code  
APSONA







## □ Antennas

### □ Universal AM/FM

#### SEMI-AUTO ANTENNA WITH CONTROL SWITCH

##### UNIVERSAL MOUNT

Manual toggle switch control. Universal mount  
Non-replaceable Stainless steel Mast. Top Cowl.  
99cm Extended. Antenna lead 140cm.

Code  
AP24



#### FULLY AUTO ANTENNA

##### UNIVERSAL MOUNT

Hilux, Rodeo Land Cruiser and much more! FULLY AUTO  
Stainless steel mast. Non-replaceable mast. High angle.  
99cm Extended. Antenna lead 140cm.

Code  
AP22



#### FULLY AUTO ANTENNA 4 HEAD KIT

##### UNIVERSAL MOUNT

0° - 30° for 25mmØ and 19mmØ  
0° and 0° - 10° flush mount  
99cm Extended. Antenna lead 140cm.

Code  
AP10



#### FULLY AUTO ANTENNA 11 HEAD KIT

11 X Head Kits! Angled 0 to 68° Suits many vehicles Alpha  
Audi Astra to Vectra Honda Hyundai 300mm under guard  
Replacement Mast AP12. Extended 99cm. Lead 140cm.

Code  
AP178



#### DELUXE KIT #2

4X Head Kits! Fully automatic antenna. Multi-angles 0-45° & Curved mounts Rodeo,  
Beetle, Hilux Land Cruiser, etc. Detachable Cable  
Replacement Mast AP12. Extended 99cm. Lead 140cm.

Code  
AP176

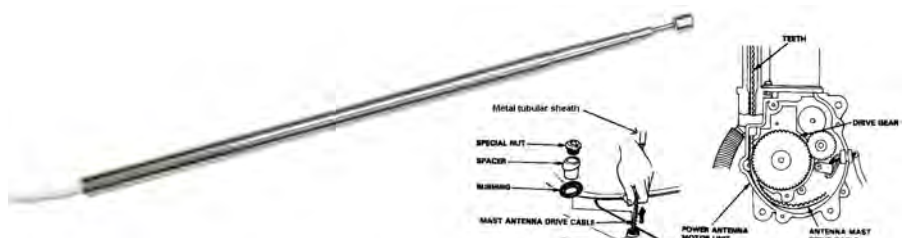


#### REPLACEMENT MAST Stainless Steel

Replacement mast that suits many AERPRO  
fully auto antennas including but not limited to:

Suit AP2,  
AP4,  
AP6,  
AP10,  
AP10A

Code  
AP12







## STEALTH DEMISTER ANTENNA AM/FM

### CONNECTS IN-LINE TO WINDOW DEMISTERS FOR ANTENNA

Try breaking this antenna! Plugs onto rear window demister for boosted AM/FM impossible to vandalise. Mounts under dash. requires 12V connection.

Lead Code  
260cm AP170



## 12V WINDSCREEN ANTENNA AM-FM

### AM-FM

Booster amp 12V 24cm adhesive strip antenna Window mount

Lead Code  
260cm AP259



## WINDOW STRIP AM/FM FILM TYPE

### STICK-ON GLASS WITH BOOSTER

Booster amp 12V adhesive strip antenna Window mount

Code  
AP105



## TV ANTENNA WINDOW FILM TYPE

### TV ANTENNA TO "F" CONNECTOR

Adhesive strip antenna 40x9cm.  
Clear film window mount. Passive.

Lead Code  
550cm AP172



## DIGITAL TV & DAB WHIP 3dB 950mm

### GROUND INDEPENDENT BULL BAR MOUNT

1/2 wave, 3dB gain, ground independent, 75Ω impedance antenna that is designed specially for both Digital TV and Digital Radio. It has stainless steel spring base with a 1/2" mounting bolt. Suitable for mounting almost anywhere on a vehicle. 4 metre fly lead, no connector. 69-220MHz, 510-550MHz.

Code  
ANT848WH



## TV ANTENNA INTERNAL TYPE

### WITH 12V BOOSTER

Internal TV Antenna 12V 14dB  
Digital and Analogue TV  
Clear film type 280x25mm  
3M coax to "F"

Code  
7137122



## SHARK FIN AMPLIFIED AM/FM ANTENNA - AERPRO

Amplified Roof mount Antenna  
Amplify GAIN: AM 5db ± 3db FM 6db ± 3db  
Coaxial Cable 75 Ohms  
Power lead length: 300mm  
Bolt Size: 13mm  
Size: 60x85x40mm

Code  
AP218SF



Requires two Antennas for dual diversity tuners



**REPLACEMENT AM/FM****LOCK DOWN**

Sect. 4  
Up 75cm  
Lead 130cm  
**Chrome Plated**

Bulk. No packaging.

**Code**  
AP64

**Black Anodised**

**Code**  
AP66B

**Stainless Steel**

**Code**  
AP62

**DELUXE LOCKDOWN**

Heavy-duty antenna with an adjustable 0-30 degree headkit for 25mm hole and stainless steel mast

Sect.: 5  
Length: Up to 100cm  
Lead: 120cm

**Code**  
AP62A

**HIGH ANGLE**

Universal  
Sweep-back  
Suit VW,  
Hilux 83-88, etc.

Sect. 4  
Up 100cm  
Lead 120cm

**Code**  
AP60

**SPRING-BALL**

Sect. 3  
Up 120cm  
Lead 137cm

**STEEL**

**Code**  
AP40

**BLACK**

**Code**  
AP42B

**SPRING BASE**

Fully Retractable  
Sect. 4  
Up 122cm  
Lead 122cm

**Code**  
AP76

**SPRING-BALL**

**BOOSTER  
COIL IN  
MAST**

Sect. 3  
Up 134cm  
Lead 127cm

**Code**  
AP46

**RUBBER DUCK**

Suit Universal  
Up 37cm  
Lead 125cm

**Code**  
AP102

**UNIVERSAL**

Lock-Down Chrome  
Plated Two Heads  
for both standard  
or smaller type  
European cars, etc.  
Up 95cm  
Sect. 5  
Lead 1.5M

**Code**  
AP63

**UNIVERSAL**

Top Cowl  
Up 96cm  
Lead 122cm

**Code**  
AP30

**SPRING-BALL**

**FIBRE GLASS**  
Sect. 1  
Up 152cm  
Lead 137cm

**Code**  
AP48B

**DELUXE RUBBER**

Black rubber mast with  
Heavy-duty metal base

Sect. 1  
Up 36cm  
Lead 137cm

**Code**  
AP103







## SIDE MOUNT

Suit Trucks, Vans,  
Up 185cm  
Sect. 3  
Lead 245cm

Code  
AP90



## ROOF MOUNT AM/FM/DAB GLASS MOUNT

### SMB FEMALE PLUG 5M

16v Combi Roof  
Mount Dab Ant. 16v  
Combi Roof Mount  
AM/FM/DAB Antenna.  
RG174 Extension  
Cable 5 metres  
with SMB Female  
Connector  
Mast Length 410mm

Code  
7677932



### AM/FM WITH BOOSTER

Up 51cm  
Lead 456cm

Code  
AP104



## SCREW IN ROOF MOUNT

Coated stainless steel  
electronic mast  
Sect.: 1  
Length: 40.5cm  
Thread: 5mm

Code  
AP267



### SHORT 10cm

Code  
AP274



## PILLAR MOUNT

Suit Universal  
Up 120cm  
Sect. 3  
Lead 120cm

Code  
AP122



## CENTRE ROOF

SPRING BASE  
Up 80cm  
Sect. 4  
Lead 200cm

Code  
AP100



## GUTTER MOUNT

SPRING BASE  
Stainless Steel  
Sect 3  
Up 78cm  
Lead 198cm

Code  
AP92



## GUARD MOUNT

Removable rubber mast  
with 12VDC Active amplifier  
Sect. 1  
Up: 87.5mm  
Lead: 442.5mm

Code  
AP167



## PILLAR MOUNT

Suit Universal  
Up 120cm  
Sect. 3  
Lead 122cm

Code  
AP120



## FIBREGLASS WHIP TYPE AM-FM

### FROM 30cm TO 1.5M

Dual band tuned whip 526KHz - 1.6MHz 88MHz - 108MHz  
Flexible weatherproof All Australian Made Includes 1.6M of coax Joined.  
AM/FM Plug and 5/16" Base.



Length	285mm		950mm		1200mm	1550mm	
Lead	RG62AU x1.6M	Whip Only	RG62AU x1.6M	Whip Only	Whip Only	RG62AU x1.6M	Whip Only
Code	ANT884	ANT883	ANT811	ANT810	ANT885	ANT882	ANT881





□ OEM Replacement



### HOLDEN ASTRA

#### LONG 40cm

Coated stainless steel  
Sect.: 1  
Length: 40.5cm  
Thread: 5mm

Code  
AP267

#### SHORT 10cm

Code  
AP274



### HOLDEN COLORADO

Pillar Mount  
Antenna to suit  
2008 Colorado LX  
4X2 DX 4X4 Single  
Cab and LX 4X4  
Crew Cab.

Section: 2  
Up: 92.5cm  
Lead 125 cm  
Mounting hole  
spacing 74mm

Code  
AP136



### HOLDEN RODEO

#### 1988-1997

Up 90cm  
Sect. 4  
Lead 124cm

Code  
AP77



### COMMODORE VY-II

VY-II TO VZ  
Mast AP265  
Up 126cm  
Lead 127cm

Code  
AP9



### HOLDEN ASTRA

#### HATCH 96-98

Cable Detach  
Head 62°  
Lead 60cm

Code  
AP162



### HOLDEN BARINA

#### ROOF MOUNT MAST ONLY

Stainless steel  
Black anodised  
Base 5mm  
Up 41cm

Code  
AP153



### HOLDEN JACKAROO

#### UBS 81-87

Guard Mount  
Sect 4  
Up 86cm  
Lead 160cm

Code  
AP78



### HOLDEN VECTRA

Suit: Sedan.  
Cable Detach  
Head 52°  
Lead 60cm

Code  
AP163



### COMMODORE VY-II

VY-II TO VZ  
Mast only  
Up 126cm  
Lead 127cm

Code  
AP265



### HOLDEN ASTRA

#### SEDAN 96-98

Cable Detach  
Head 26°  
Lead 60cm

Code  
AP165



### HOLDEN BARINA

Suit '92 up  
Up 92cm  
Lead 201cm

Code  
AP152



### HOLDEN JACKAROO

#### 1992-2001

Guard Mount  
Mast AP12  
Sect 5  
Up 97cm  
Lead 140cm

Code  
AP180



### HOLDEN NOVA

#### LE-LF 89-94

Pillar Mount  
Sect 2 Up 90cm  
Lead 131cm

Code  
AP192



### COMMODORE VE

#### LONG 40cm

Code  
AP267

#### SHORT 10cm

Code  
AP274







## COMMODORE VT VY

Suit VT-VY  
Sect. 5  
Up 98cm  
Lead 43cm

Code  
AP71



## COMMODORE VN

Suit VN-VS  
Sect. 5  
Up 100cm  
Lead 122cm

Code  
AP70



## COMMODORE VB

VB VC VK VL  
Sect. 5  
Up 110cm  
Lead 122cm

Code  
AP72



## FALCON EA

EA/EB/ED

Up 123cm  
Lead 122cm

Code  
AP68



## FALCON EF

EF EL 95+

Up 100cm  
Lead 50cm

Code  
AP69



## COMMODORE VT-I

VT Series I

Mast AP12  
Sect. 5  
Up 99cm  
Lead 50cm

Code  
AP7



## COMMODORE VN

VN-VS

Fully Auto  
Sect. 5  
Up 99cm  
Lead 50cm

Code  
AP6



## COMMODORE VB

VB VC VK VL

4 Heads suit  
most cars.  
Up 97cm  
Lead 140cm  
Detachable

Code  
AP10



## FALCON EA

Replacing  
factory fitted  
auto antenna

EA-ED

Semi-Auto  
Sect. 5  
Up 99cm  
Lead 140cm

Code  
AP2



## FALCON EF

Replacing  
factory fitted  
auto antenna  
OEM replace

EF-EL

Semi-Auto  
Sect. 5  
Up 99cm  
Lead 140cm

Code  
AP3



## COMMODORE VT-II

VT-II To VY-I

VT Series-II  
Mast AP250  
Up 99cm  
Lead 50cm

Code  
APVY1F

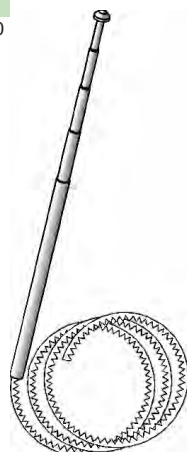


## COMMODORE VN

VN VP VR VS VT  
Original Auto Mast

MAST ONLY  
OEM Replace  
Sect. 5  
Up 106cm  
Suit VN-VT

Code  
AP250



## FALCON AU

AU

Up 100cm  
Lead 50cm

Code  
AP67



## FALCON EA

For replacing  
factory fitted  
lockdown  
antenna.

EA-ED

Fully-Auto  
Sect. 5  
Up 99cm  
Lead 48cm

Code  
AP4



## FALCON EF

Replacing factory  
fitted lockdown  
antenna NEW  
install

EF-EL

6/96+  
Fully-Auto  
Sect. 5  
Up 99cm  
Lead 48cm

Code  
AP5





**FORD LASER****Pillar Mount**

SEE ALSO MAZDA

Up 89cm  
Lead 208cmCode  
AP158**FORD FESTIVA****1994-2002**Pillar mount 1  
section  
Up 84cm  
Lead 250cmCode  
AP185**FORD COURIER****1999+**Pillar Mount  
Sect. 1  
Up 80cm  
Lead 243cmCode  
AP191**HONDA ACCORD****94+**Fully-Auto  
Sect. 5  
Up 99cm  
Lead 200cmCode  
AP8**HONDA CR-V****99+**Rubber whip  
Active amp.  
Up 18cm  
Lead 19cmCode  
AP198**FORD LASER****KF-KH**Pillar Mount  
Sect. 1  
Up 92cm  
Lead 215cmCode  
AP175**FORD FOCUS KA****KA 99-02****FOCUS 02+**  
Screw base  
Length 55cm  
Base 5mmCode  
AP195**HONDA ACCORD****R/H Side Pillar**Accord 81 up  
Up 95cm  
Sect. 2  
Lead 178cmCode  
AP128**HONDA CIVIC**Pillar Mount  
Up 94cm  
Lead 188cmCode  
AP132**HYUNDAI ACCENT****2000+**Guard mount  
Sect. 4  
Up 88cm  
Lead 18cmCode  
AP181**FORD TELSTAR****AT-AV**87 To 92.  
Pillar Mount  
Sect. 1  
Up 86cm  
Lead 130cmCode  
AP174**FORD TRANSIT****ROOF 96+**Up 55cm  
Lead 200cmCode  
AP186**HONDA ACCORD****PRELUDE****Original Auto Mast**  
Suit 95/96Code  
AP251**HONDA CIVIC****Prelude 80-82**  
**Accord up to 81**  
Up 95cm  
Sect. 2  
Lead 195cmCode  
AP124**HYUNDAI ACCENT****OEM MAST****MAST 2000+**  
Replaces original  
Mast for OEM Auto  
Sect. 4  
Up 88cmCode  
AP264





## HYUNDAI ACCENT

**2000+**  
Fully auto Mast AP12  
Sect. 4  
Up 88cm  
Lead 18cm

**Code**  
AP190



## ELANTRA

**2001+**  
Fully auto  
Sect. 5  
Up 83cm

**Code**  
APXD1F



## TOYOTA CAMRY

Suit 95/96

**Code**  
AP82



## TOYOTA COROLLA

**STARLET**

**82-88**  
Pillar Mount  
Whip 90cm  
Lead 131cm

**Code**  
AP192



## COROLLA ECHO

Corolla 02 To 05  
Echo 03+  
Roof Mount  
Whip 41cm

**Code**  
AP153



## HYUNDAI LANTRA

**1991-2000**

Guard mount  
Sect. 5  
Up 85cm

**Code**  
AP184



## HYUNDAI EXCEL

Suit 90-94  
Sect. 5  
Up 100cm  
Lead 170cm

**Code**  
AP83



## TOYOTA CAMRY

Suit 97/02

**Code**  
AP196



## TOYOTA COROLLA

**Pillar Mount**

Up 93cm  
Sect. 2  
Lead 107cm

**Code**  
AP138



## COROLLA YARIS

**LONG 40cm**

Coated stainless steel  
Sect.: 1  
Length: 40.5cm  
Thread: 5mm

**Code**  
AP267



**SHORT 10cm**

**Code**  
AP274

## ELANTRA

**MAST 2001+**  
Replacement  
mast Suit  
OEM auto  
Sect. 5  
Up 85cm

**Code**  
APXD3M



## HYUNDAI EXCEL

Suit 94+  
Sect. 5  
Up 84cm  
Lead 24cm

**Code**  
AP84



## TOYOTA CAMRY

Suit 97/02

**Code**  
AP197



## PRUIS ECHO

**AVENSIS  
PRIUS**  
**2001+**  
Roof Mount  
Whip 77cm

**Code**  
AP187



## TOYOTA AVALON

Replacement  
mast and cable  
for Toyota Avalon  
automatic antenna.  
Works with Toyota  
Avalon 2000-2003.  
Includes Stainless  
telescopic mast  
and drive cable.

Sect.: 5  
Length: 80cm  
Sleeve: 70mm  
Sleeve: 11mm  
Mast: 10.5mm  
Cable: 120cm

**Code**  
AP270







## LAND CRUISER

**GXL**  
**1990-1998**  
 Mast Only Suit  
 OEM Auto  
 antenna  
**Code**  
 AP255



## TOYOTA HILUX

**1988-1997**  
 Up 90cm  
 Sect. 4  
 Lead 124cm  
**Code**  
 AP77



## DATSUN 200B

**Pillar Mount**  
 Up 128cm  
 Sect. 3  
 Lead 142cm  
**Code**  
 AP142



## PULSAR

**N16 2000+**  
 Pillar mount  
 Up 97cm  
 Sect. 2  
 Lead 245cm  
**Code**  
 AP149



## NAVARA

Suit 2000+  
 Guard Mount  
 Sect. 4  
 Up 5cm  
 Lead 8cm  
**Code**  
 AP183



## LAND CRUISER

**GXL**  
**1990-1998**  
 Guard Mount  
 Lead 126c  
**Code**  
 AP73



## TOYOTA HILUX

**1997+**  
 Guard Mount  
 Up 84cm  
 Sect. 4  
**Code**  
 AP188



## PULSAR

**Ford Corsair  
 Econovan**  
**1987 TO 1992**  
 Up 89cm  
 Sect. 1  
 Lead 175cm  
**Code**  
 AP146



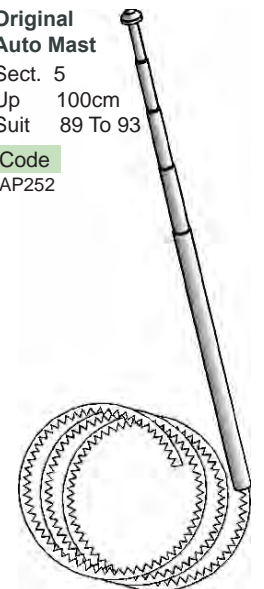
## NISSAN X-TRAIL

**2001+**  
 Roof rubber  
 Whip 18cm  
 Lead 276cm  
**Code**  
 AP199



## NISSAN PATROL

**Original  
 Auto Mast**  
 Sect. 5  
 Up 100cm  
 Suit 89 To 93  
**Code**  
 AP252



## LAND CRUISER

**100**  
**1998+**  
 Mast Only Suit  
 OEM Auto antenna  
**Code**  
 AP266



## TOYOTA HILUX

Automatic  
 replacement  
 antenna and  
 stainless  
 steel mast for  
 replacing the  
 original mast.  
 Compatible  
 with the Toyota  
 Hilux 1998 -  
 2003 model.  
**Code**  
 AP271



## PULSAR

**1992 TO 1995**  
 Up 94cm  
 Sect. 2  
 Lead 215cm  
**Code**  
 AP147



## NAVARA

**PATHFINDER**  
 Navara 93 To 97  
 Path' 92-95  
 RH Mount  
 Sect. 4  
 Up 94cm  
 Lead 70cm  
**Code**  
 AP81



## NISSAN PATROL

Automatic replacement  
 antenna and stainless  
 steel mast for  
 replacing the original  
 mast. Compatible with  
 the Nissan Patrol and  
 Pathfinder 1998-2004.  
 Sect.: 5  
 Length: 978mm  
 Retract: 275mm  
 Mast: 9mm  
**Code**  
 AP272







## SUBARU

Sect. 5  
Up 97cm  
Lead 173cm

Code  
AP74



## SUZUKI JIMNY

00 TO 05  
Up 90cm  
Sect. 2  
Lead 131cm

Code  
AP192



## MAGNA

85/91  
Up 92cm  
Lead 264cm

Code  
AP154

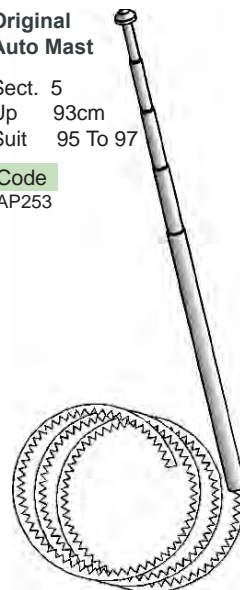


## MAGNA

Original  
Auto Mast

Sect. 5  
Up 93cm  
Suit 95 To 97

Code  
AP253



## MERCEDES BENZ



## SUBARU LIBERTY

LIBERTY SEDAN  
OEM replace

90 TO 94  
MAST ONLY  
Replacement  
for original  
Sect. 7  
Up 103cm

Code  
AP256



## SUZUKI SWIFT

Suit '92 up  
Up 92cm  
Lead 201cm

Code  
AP152



## MAGNA

91 TO 94  
Up 90cm  
Lead 269cm

Code  
AP156



## MAGNA

96+  
Fully-Auto  
Sect. 5  
Up 89cm  
Lead 200cm

Code  
AP179



## SUBARU LIBERTY

LIBERTY WAGON  
OEM replace

90 TO 94  
MAST ONLY  
Replacement for  
original  
Sect. 5  
Up 99cm

Code  
AP257



## SUZUKI CARRY

Carry 99 To 00  
Ignis 00 To 05  
Up 94cm  
Sect. 2  
Lead 195cm

Code  
AP193



## MAGNA

96+  
Sect. 4  
Up 84cm  
Lead 270cm

Code  
AP88



## VERADA

Suit 00 To 02  
Replace OEM  
Mast auto  
Sect 5  
Up 94cm

Code  
AP263



## Universal

Fully-Auto 180,  
190, 200, 300  
W124, W201  
Sect. 5  
Up 99cm  
Lead 140cm  
Mast AP12

Code  
AP178





## PAJERO

1983 TO 1987

Guard Mount  
Mast AP12  
Sect 5  
Up 97cm  
Lead 140cm

Code  
AP180



## PAJERO MAST

2000 TO 2004

Replaces OEM  
Mast Auto  
Sect 7  
Up 9cm

Code  
AP262



## MAZDA 121

Suit 95+  
Pillar Mount  
Sect 1  
Up 89cm  
Lead 208cm

Code  
AP159



## MAZDA MX5

Roof Mount  
Whip 41cm

Code  
AP153



## ROOF MOUNT 10cm

### ROOF MOUNT ANTENNA UNIVERSAL SCREW TYPE

Black Metal  
screw type  
mast. 100 mm  
length. Will Fit  
5mm Male or  
Female Thread  
(the male  
thread can be  
removed from  
the antenna to  
make it female).

Code  
AP274



## PAJERO

Suit 80 To 93  
Guard Mount  
Sect 4  
Up 86cm  
Lead 160cm

Code  
AP78



## PAJERO

Suit 00 To 02  
Pillar Mount  
Sect 5  
Up 94cm  
Lead 141cm

Code  
AP182



## MAZDA 323 85+

Pillar Mount  
Up 89cm  
Lead 208cm

Code  
AP158



## VW GOLF

1992 TO 1996  
Guard mount 68°  
Cable detach  
Lead 60cm

Code  
AP161



## COMMON MAST

LONG 40cm  
Coated stainless steel  
Common 5mm Thread  
Suits many models  
BMW, Volkswagen,  
Mini, Mazda 3, etc.

Code  
AP267



## TAIL STRAPS

Soft bendable  
anchor straps.

340 x 19mm

Code  
TS34019

340 x 25mm

Code  
TS34025



## MAZDA 626

Mast Only

Suit 95+  
Up 97cm

Code  
AP254



## VW PASSAT

1995 TO 1997

Mast Only  
Base 5mm  
Length 41cm

Code  
AP153



## JEEP

CHEROKEE 85+

Up 79cm  
Lead 203cm

Code  
AP168







## □ Accessories

### ANTENNA EXTENSION LEADS

#### MALE TO FEMALE

Length	Code
0.6M	CAL60
1.2M	CAL120
3.6M	CAL360
5.0M	CAL500



### ANTENNA PLUG

#### STANDARD TYPE

Code  
CAP10



### ANTENNA PLUG

#### SCREW TYPE

Code  
CAP20



### ANTENNA SOCKET

#### STANDARD TYPE

Code  
CAS10



### INLINE SOCKET

Code  
CAS50



### RIGHT ANGLE ADAPTOR

#### 90° PLUG

Tight installation? This adaptor allows for space limited behind the radio Plug to Socket

Code  
AP332



### FM ANTENNA BOOSTER

Adapts inline to an FM car antenna & boosts the FM signal by 10dB. Quality steel box. Front switch for AM bypass.

Code  
AP342



### MOUNTING STRAP

#### 135mm STAND-OFF "L"

Steel enamel painted black Wall, caravan, cab mount, etc.

Code  
WB40

#### STAINLESS STRAIGHT

Code  
MMM1



### MIRROR MOUNT BENELEC

#### BENELEC BRACKET

Suits 1 1/4" Pole mount (Pole not included)

Type	Code
Zinc	MM4
Stainless Steel	MM5



### BULL-BAR MOUNT BENELEC

#### 2" HORIZONTAL

Grip teeth U bolts.

Code  
BB35

#### STAINLESS STEEL

Code  
BB36



### BULL-BAR STRAP BENELEC

#### SIDE/TOP MOUNT

Suits 2" Horizontal Bar Stainless steel quality. Strap design for safe front bull-bar mount As legally required.

Code  
BB32



### GUTTER MOUNT BENELEC

Screw clips into the gutter roof of trucks vans and older cars. Chrome plated body with Stainless steel hardware Benelec quality.

Code  
CBA36



### MORE COMMUNICATION ACCESSORIES

We stock a large comprehensive range of Accessories for CB, UHF, SSB, etc. Please Enquire !







## □ Antenna Adaptors

### EUROPEAN ADAPTOR

Change European radio to standard Australian socket. eg. Install a Becker-Mexico into a Ford-Falcon. Gold plated plug socket

Code  
AD653



### EUROPEAN ADAPTOR

Change European radio to standard Australian socket.

Code  
CAL653



### EUROPEAN ADAPTOR

Car radio adaptors Change a standard radio to suit a European antenna.

Code  
AD655



### EUROPEAN ADAPTOR

Change a Standard radio to suit European antenna.

Code  
CAL655



### EUROPEAN ADAPTOR WITH BOOST AERPRO

#### BUILT-IN FM BOOSTER

Adapts Euro -> Aust. Change a standard radio to suit European antenna when installing a new radio into a European car. Ideal for demister antenna. 5-10dB FM Boosted.

Code  
AP3421



### ANTENNA SPLITTER

Installs an aftermarket radio into a car with dual diversity (two) antennae and combines them into one input.

Code  
AP339



### 20MHZ FM EXPANDER for JAPAN RADIO

Converts Australian FM frequency so it can be received by a Japan/ Hong Kong Car Radio. Simply plug in-line with the existing car antenna. 12V

Code  
AP745



### CHRYSLER JEEP ADAPTOR

#### CHRYSLER JEEP 2002+

Code  
APA37



### AUDI ANTENNA ADAPTOR

Antenna adaptor DIN with Fakra (Passive)

Code  
APA58



### HYUNDAI 08 ANTENNA ADAPTOR TO DIN

Car antenna adaptor to DIN plug for Hyundai i10 / i30 models (2007-2010) / i40 (2011 - ) and more.

Code  
APA47



### SUBARU ANTENNA PLUG ADAPTOR

Subaru factory antenna plug to aftermarket radio.

Code  
APA52



### SUBARU ANTENNA ADAPTOR TO DIN SOCKET

Subaru factory Radio plug to aftermarket antenna socket.

Code  
APA53



### HONDA ANTENNA ADAPTOR TO DIN PLUG

Antenna Adaptor to DIN plug to suit Honda Civic / CRV 2006 onwards

Code  
APA55



### HONDA ANTENNA ADAPTOR TO DIN SOCKET

Antenna Adaptor to DIN plug to suit Honda Civic / CRV 2006 onwards

Code  
APA56







## AUDI 02-UP FAKRA ANTENNA CONNECTOR

For cars fitted with Fakra antenna connector, antenna may be passive or active with separate mast head amplifier trigger.

Code  
APA58



## AUDI 02-UP ANTENNA ADAPTOR

Car stereo radio antenna adaptor DIN with Fakra and Phantom power supply for Audi and other model vehicles .

Code  
APA59



## DUAL FAKRA CAR STEREO ANTENNA ADAPTOR

Antenna adaptor DIN with 2 Fakra plugs and diversity, to use with both antennas.

Code  
APA60



## HYUNDAI / KIA DIN ANTENNA ADAPTOR

Hyundai / Kia car stereo antenna adaptor to DIN Female socket

Code  
APA64



## VOLVO DIN ANTENNA ADAPTOR

Volvo radio antenna adaptor to DIN plug.

Code  
APA65



## ANTENNA ADAPTOR FOR AUDI, VW & BMW

Antenna adaptor to DIN socket for Audi, BMW, Volkswagen & Audi All Models 2002 Up.

Code  
APA67



## NISSAN ANTENNA ADAPTOR CABLE

Nissan antenna adaptor cable enables universal head unit to be used in Nissan vehicle.

Code  
APA69



## TOYOTA ANTENNA ADAPTOR CABLE

Toyota Antenna adaptor (09 Up)  
To DIN plug, also suitable for Subaru Liberty 2012-

Code  
APA75



## HONDA ANTENNA PLUG ADAPTOR

Honda car antenna adaptor to DIN plug, suits Honda Jazz 2009- and Insight.

Code  
APA79



## VOLVO ANTENNA ADAPTOR

**VOLVO 1999+**

Converts original radio To after-market antenna

Code  
APA32



## VW & BMW ANTENNA ADAPTOR

**VW & BMW 2002+**

Converts car antenna To after-market radio.

Code  
APA34



## BMW VOLVO MERCEDES

**ANTENNA ADAPTOR**

Converts OEM Radio to Aftermarket antenna

Code  
APA38



## NISSAN DIVERSITY ADAPTOR

Connect an aftermarket radio into the existing diversity antenna system (2x antennae)

Code  
AP348A



## NISSAN DIVERSITY ADAPTOR

Connect an aftermarket antenna into the existing dual-diversity car radio system (2x antennae)

Code  
AP348B





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## □ Semiconductors

### □ Semiconductor Information

#### UNDERSTANDING TRANSISTORS

All transistors registered with the Electronic Industries Association of Japan (EIAJ) are assigned an "S" number. The number consists of 5 elements,

##### ELEMENT 1

This number indicates the number of active internal or external connections minus one.

##### ELEMENT 2

Originally indicated that this device was registered with EIAJ, although now it is not the case.

##### ELEMENT 3

Polarity and applications.

- A - PNP High Frequency
- B - PNP Low Frequency
- C - NPN High Frequency
- D - NPN Low Frequency
- J - P Channel F E T
- K - N Channel F E T

TRANSISTOR	2	S	C	1413	A
ELEMENT	1	2	3	4	5

##### ELEMENT 4

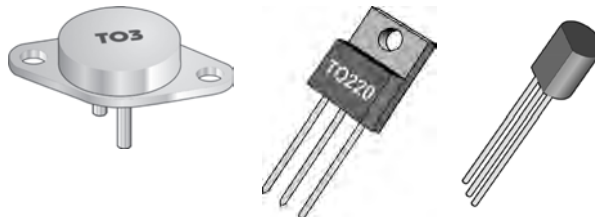
Serial number, in order of registration.

##### ELEMENT 5

Suffixes indicate improvements and their sequence.

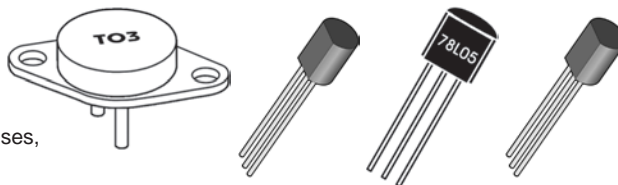
- A = First improvement
- B = Second improvement, etc

NOTE: An improved version will replace an unimproved type in all cases, but an unimproved version will not always replace an improved type.



#### DISCOUNT STRUCTURE FOR SEMICONDUCTORS [ NOT ASSORTED ]

25+	-10%
50+	-20%
100+	POA



#### NON JAPANESE TRANSISTORS

Many manufacturers in Korea, Taiwan, etc., have adopted similar numbers to the Japanese and change the prefix eg KSC945. To make things more confusing, the KS is left off the device therefore C945 is the only marking on the transistor. In most cases the specs are similar but pin outs are not. Please check circuit prior to replacing the transistor, the same number does not always mean that pin outs are the same.

#### TRANSISTOR SUBSTITUTIONS

WES Components reserves the right to supply a substitution transistor where the original is not available or is out of stock. These substitutions will be ones confirmed as close to original as to be a direct replacement. A transistor substitution manual is also available which lists possible substitutions for you to substitute devices not listed or are NLA. The comparison is on similar specs only. Therefore this should be read in conjunction with the Transistor Manual to ensure that cases and pin-outs are the same and that the transistor with the best specs is chosen.

### Semiconductor Information

#### INTEGRATED CIRCUITS SUBSTITUTES

Generally speaking, integrated circuits are difficult to substitute. In cases where there are substitutes that we are aware of and stock, both types will be listed and the same type will be supplied in both cases. Check the invoice for info if you receive a chip not identical to the one you ordered. If you discover a successful substitution, please let us know including all relevant details. Thank you.

#### AN IMPROVED VERSION MAY BE SUPPLIED:

**JAPANESE** - An improved type will replace the original, eg. UPC1185H2 will replace UPC1185.

**NON-JAPANESE** - No set guide lines.

#### STOCK AVAILABILITY

The transistors, IC's, FET's, etc.. listed are what we have available at the time of preparation for this catalogue. It is possible that by the time you receive this listing some items may no longer be available. Manufacturers tend to discontinue goods without prior warning.

#### PRICE CHANGES

Once an item has been discontinued or there is a temporary shortage we must purchase from whoever has stock on the world market. Supply and demand will usually apply to these situations. We will continue to supply discontinued parts for as long as we are able to obtain them. The price may increase, but in most cases the repair will still be viable.

#### SEMICONDUCTOR WARRANTY

Faults not correctly diagnosed or faults in other parts of the circuitry may result in a newly fitted device being damaged. Manufacturers stand by their quality control testing and DO NOT accept warranty claims on semiconductor devices. WES follows their policy.

#### ITEMS NOT LISTED

If you require an item not listed please let us know. Maybe we have added it to our range since this publication or alternatively we can make enquires with our suppliers. If the part is available we will acquire it and add it to our range. Our extensive spare parts listing has come about because many of you have taken the time to inform us which parts you would like us to stock. When you contact us about items not listed, please supply us with as much information as you have available about the part. This will assist us in sourcing the part.

Thank You.





## □ Transistors

### TRANSISTORS LISTING

See List below for our current Transistor listing.

Note: This list is continually being updated!

Please contact us if you can not find your required IC.

Some data sheets are available:  
www.wes.net.au



#### 2N

Code	
2N2219A	2N6395
2N2222	2N6401
2N2222A	2N6403
2N2368	2N6405
2N2369A	2N6488
2N2647	2N6491
2N2905	2N6507
2N2906	2N6509
2N2907A	2N6660
2N2946	2N6754
2N3019	
2N3053	<b>2SA</b>
2N3054	<b>Code</b>
2N3055	2SA473
2N3439	2SA489
2N3440	2SA509
2N3583	2SA539
2N3771	2SA542
2N3772	2SA545
2N3773	2SA562
2N3904	2SA564
2N3905	2SA603
2N3906	2SA608
2N3958	2SA614
2N4030	2SA628
2N4037	2SA634
2N4093	2SA639
2N4123	2SA642
2N4125	2SA643
2N4233A	2SA659
2N4240	2SA673
2N4401	2SA683
2N4402	2SA684
2N4403	2SA699
2N4416	2SA708M.METAL.CASE
2N4427	2SA708P.PLASTIC.CA
2N5062	2SA709
2N5088	2SA715
2N5401	2SA719
2N5415	2SA720
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2N5485	2SA768
2N5551	2SA769
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2SA988	2SA1287
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2SC2258	2SC2682	2SC3156	2SC3412
2SC2259	2SC2688	2SC3157	2SC3416
2SC2271	2SC2690A-FC	2SC3158	2SC3417
2SC2274	2SC2690A.METAL	2SC3159	2SC3419
2SC2275	2SC2695	2SC3164	2SC3420
2SC2290A	2SC2704	2SC3169	2SC3421
2SC2307	2SC2705	2SC3175	2SC3422
2SC2308	2SC2706	2SC3178	2SC3423
2SC2310	2SC2712.SMD	2SC3179	2SC3446
2SC2311	2SC2720	2SC3180	2SC3447
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2SC2373	2SC2837	2SC3227	2SC3507
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2SC2500	2SC2958	2SC3264	2SC3659
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2SC2538	2SC2987	2SC3280	2SC3678
2SC2540	2SC2987A	2SC3281	2SC3679
2SC2542	2SC2999	2SC3284	2SC3680





10-6



2SJ

Code
2SJ72
2SJ74
2SJ76
2SJ78
2SJ79
2SJ109
2SJ116
2SJ117
2SJ122
2SJ160
2SJ162
2SJ172
2SJ174
2SJ175-TO220
2SJ200
2SJ201
2SJ217
2SJ306
2SJ307
2SJ308
2SJ449
2SJ477
2SJ516
2SJ555
2SJ6812



## 2SK

Code
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2SK30A
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2SK184
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2SK2275
2SK2320
2SK2333

2SK2372
2SK2388
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2SK2876
2SK2995
2SK2996
2SK3053
2SK3067
2SK3115
2SK3235
2SK3255
2SK3264
2SK3304
2SK3316
2SK3451
2SK3502
2SK3528
2SK3530
2SK3566
2SK3568
2SK3850
2SK4075.SMD
2SK4097LS

## 3SK

Code
3SK45
3SK74

## 11N

Code
11N60C3

## AD

Code
AD149
AD162

## AF

Code
AF279

## BC

Code
BC107C
BC108
BC109B
BC109C
BC140
BC141
BC149
BC160
BC161
BC177
BC177C
BC179
BC238
BC239
BC327
BC328
BC337
BC338
BC368
BC369
BC546A
BC546B
BC547B
BC547C
BC548
BC548B
BC548C
BC549B
BC550
BC556B
BC557A
BC557B
BC558B
BC558C
BC559B
BC559C
BC560B
BC560C
BC635
BC636
BC637
BC638
BC639
BC640
BC817-25.SMD
BC846B.SMD
BC847B.SMD
BC848.SMD
BC858.SMD

## BCY

Code
BCY59
BCY79

## BD

Code
BD115
BD135
BD136
BD137
BD138
BD139
BD140
BD175
BD176
BD177
BD179
BD180
BD201
BD202
BD204
BD226
BD229
BD232
BD233





BD234
BD235
BD236
BD237
BD238
BD239C
BD240C
BD241
BD241C
BD242C
BD243C
BD244
BD244C
BD249C
BD433
BD434
BD435
BD436
BD437
BD438
BD439
BD440
BD441
BD442
BD535
BD536
BD538
BD643
BD643F
BD644
BD645
BD646
BD647
BD648
BD649
BD650
BD651
BD652
BD675
BD676
BD677
BD678
BD679
BD680
BD681
BD682
BD683
BD711
BD712
BD911
BD912
BD941

## BDV

Code
BDV64C
BDV65B
BDV65BF.INSULATED
BDV65C
BDV66AF.INSULATED

## BDW

Code
BDW41B
BDW93C
BDW94C

## BDX

Code
BDX33C
BDX34C
BDX53C
BDX54C
BDX54F
BDX64A
BDX65A
BDX66A
BDX66C
BDX67C

## BF

Code
BF180
BF183
BF198
BF199
BF200
BF240
BF245
BF258
BF259
BF324
BF337
BF338
BF370
BF421
BF422
BF423
BF458
BF459
BF469
BF470
BF472
BF494
BF819
BF859A
BF869
BF870
BF871
BF872
BF960
BF961

## BFQ

Code
BFQ162
BFQ225
BFQ232A
BFQ235A
BFQ252A
BFQ262

## BFR

Code
BFR90A
BFR91A

## BFT

Code
BFT66

## BFW

Code
BFW16A

## BFY

Code
BFY50
BFY51
BFY52
BFY90

## BS

Code
BS170
BS250

## BSS

Code
BSS38

## BSX

Code
BSX20

## BTS

Code
BTS425L1

## BU

Code
BU126
BU205
BU208A
BU208D
BU326A
BU406
BU406D
BU407
BU407D
BU408
BU408D
BU415B
BU426A
BU426AF.INSULATED
BU505
BU508A
BU508AF.INSULATED
BU508D
BU508DF.INSULATED
BU508DW
BU526
BU606
BU608
BU626
BU705
BU806
BU807
BU808DFI
BU826
BU903
BU908
BU941.TO3
BU1508DX
BU2507AX
BU2508A
BU2508AF.INSULATED
BU2508AX
BU2508D
BU2508DF.INSULATED
BU2508DX
BU2515DX
BU2520A
BU2520AF
BU2520AX
BU2520DF
BU2520DX
BU2522AF
BU2522AX
BU2525A
BU2525AF
BU2525AX
BU2525DF
BU2527A
BU2527AF
BU2527AX
BU2527DF
BU2527DX
BU2532AL
BU2532D
BU2708AF
BU2720DX
BU2722AF.INSULATED
BU2727AF
BU4507AX
BU4508DX
BU4522AX
BU4525AX

## BUH

Code
BUH315D
BUH415DI

BUH515
BUH515D
BUH516
BUH517
BUH713
BUH715
BUH1015
BUH1015HI
BUH1215

## BUK

Code
BUK444-500B
BUK444-600B
BUK444-800B
BUK445-600B
BUK446-800
BUK453-50A
BUK455-500A
BUK455-600B
BUK456-60A
BUK456-800B
BUK456-1000B
BUK555-600B

## BUL

Code
BUL38D
BUL310F1

## BUT

Code
BUT11
BUT11A
BUT11AF
BUT11APX
BUT11AX
BUT11F
BUT12A
BUT12AF
BUT18AF
BUT56A

## BUV

Code
BUV27H
BUV48A
BUV48B
BUV48C
BUV48CFI
BUV48FI
BUV90

## BUW

Code
BUW11A
BUW12A
BUW13A
BUW13AF
BUW84
BUW85

## BUX

Code
BUX10
BUX48
BUX48A
BUX67C
BUX80
BUX81
BUX84
BUX85
BUX86
BUX98C



## BUY

Code
BUY69A

## BUZ

Code
BUZ11A
BUZ31
BUZ41A
BUZ71A
BUZ80A
BUZ90
BUZ90A
BUZ90AF
BUZ91A
BUZ102AL
BUZ905
BUZ906

## CCS

Code
CCS8050
CCS8550
CCS9011
CCS9012
CCS9013
CCS9014C
CCS9015
CCS9016
CCS9018

## DTA

Code
DTA114EA
DTA114ES
DTA114TK.SMD
DTA114TS
DTA114YK.SMD
DTA124EF
DTA124ES
DTA124ESA
DTA124EU.SMD
DTA143TS
DTA144EA

## DTB

Code
DTB114ES

## DTC

Code
DTC114ES
DTC114YF
DTC114YK.SMD
DTC124ES
DTC143EA
DTC143ES
DTC143TS
DTC143XS
DTC144ES
DTC144EU.SMD
DTC144WU.SMD

## DTD

Code
DTD114TS
DTD123YS

## FDA

Code
FDA18N50

## FDPF

Code
FDPF5N50FT.INS

## FJAF

Code
FJAF6810A

## FJP

Code
FJP5027R
FJP13009-2

## FK

Code
FK20KM-5

## FQA

Code
FQA13N50CF
FQA18N50V2
FQA19N60

## FQP

Code
FQPF20N60C.INSULAT

## FQPF

Code
FQPF4N90C
FQPF6N60
FQPF6N60C
FQPF7N80C.INSULATE
FQPF9N25C
FQPF9N50C
FQPF10N60C
FQPF20N06.INSULATE
FQPF20N60.INSULATE

## FS

Code
FS3KM18A
FS4KM-12A
FS5KM-10A
FS10KM-10A
FS10SM18A
FS22SM-10

## G

Code
G60N100

## GT

Code
GT30J322
GT60N321

## HGTG

Code
G20N50C1D

## IRF

Code
IRF1BC30G
IRF530N
IRF540
IRF540N
IRF614
IRF620
IRF630
IRF634
IRF640N
IRF644
IRF730
IRF730A
IRF740
IRF740A
IRF740B
IRF822
IRF830

IRF830B
IRF840
IRF1404
IRF3205
IRF3710
IRF9520N
IRF9530
IRF9540N
IRF9610
IRF9620
IRF9630
IRF9640
URF840B

## IRFBC

Code
IRFBC30
IRFBC40

## IRFD

Code
IRFD110

## IRFIB

Code
IRFIB7N50A

## IRFP

Code
IRFP064N
IRFP140N
IRFP240
IRFP240A
IRFP250
IRFP264N
IRFP350
IRFP450
IRFP450A
IRFP460
IRFP9140N
IRFP9240

## IRFPC

Code
IRFPC40
IRFPC50
IRFPC60

## IRFS

Code
IRFS630A
IRFS640
IRFS9630

## IRFU

Code
IRFU9024N

## IRFZ

Code
IRFZ20
IRFZ24N
IRFZ34N
IRFZ40
IRFZ44N
IRFZ48
IRFZ48N
IRFZ48S

## IRLU

Code
IRLU024N

## IXGR

Code
IXGR60N60C2

## J

Code
J6810
J6810D
J6920
J6920A

## KRA

Code
KRA103M

## KSC

Code
KSC2330
KSC2331.SC-51
KSC5027.TO220.CASE
KSC5030F
KSC5039F
KSC5386

## KSD

Code
KSD998
KSD5071
KSD5075ST
KSD5076
KSD5702
KSD5703

## KSR

Code
KSR1001
KSR1002
KSR1003
KSR1004
KSR1007
KSR1008
KSR2001
KSR2002
KSR2003
KSR2004
KSR2007
KSR2202

## KTA

Code
KTA1024Y
KTA1273
KTA1275

## KTC

Code
KTC4419

## KTD

Code
KTD1414

## MD

Code
MD2009DFX

## MJ

Code
MJ802
MJ1000
MJ2500
MJ2955
MJ3001
MJ4031
MJ4034
MJ4035
MJ4502
MJ11015
MJ11016
MJ11032





MJ15002
MJ15003
MJ15004
MJ15022
MJ15023
MJ15024
MJ15025

**MJE**

Code
MJE172
MJE340
MJE350
MJE2901
MJE2955T
MJE3055T
MJE3439
MJE12007
MJE13003
MJE13005
MJE13006
MJE13007
MJE13009
MJE15030
MJE15031
MJE15032
MJE15033
MJE15034G
MJE15035G

**MJL**

Code
MJL4281A
MJL4302A
MJL21193
MJL21194

**MJW**

Code
MJW16212

**MP**

Code
MP1423DN.SMD
MP1620

**MPS**

Code
MPS6595

**MPSA**

Code
MPSA06
MPSA12
MPSA42=KSP42
MPSA43
MPSA56
MPSA92

**MPSU**

Code
MPSU51

**MRF**

Code
MRF238

**MTP**

Code
MTP3N60F1
MTP6N90FI
MTP20N60

**MTW**

Code
MTW8N60E
MTW8NB80

**NA**

Code
NA31

**ON**

Code
ON4959

**P**

Code
P3NC60FP
P4NC60FP
P5NB60FP
P6N60
P7N60B
P7NB60FP
P9NB60FP
P16NE06

**RJK**

Code
RJK5020

**RJP**

Code
RJP30H2-TO220

**S**

Code
S2000A
S2000AF.INSULATED
S2055AF.INSULATED
S2055N
S2530A
S3786L
SPA11N60C3
SPA11N80C3.INSUL.

**SGSF**

Code
SGSF344

**SPP**

Code
SPP11N60C(3)
SPP20N60C3.TO220

**SSH**

Code
SSH6N80
SSH11N90

**SSP**

Code
SSP2N60B
SSP3NC60FP
SSP6N60
SSP7N60B
SSP7N80.METAL.BACK
SSP9NB60FP
SSP10N60A
SSP10N60B
SSP10NK80ZFP
SSP20N60S5

**SSS**

Code
SSS4N60A
SSS20N60.INSULATED

**ST**

Code
ST1802HI
ST1803DHI
ST2009DHI
ST2310DHI
ST2310HI

**STH**

Code
STH8NA60FI
STH8NA80FI
STH12N60FI
STH16NA40F1

**STP**

Code
STP3N90
STP3NB60
STP3NB60FP
STP3NB90FP
STP4NA40FI
STP4NA60FI
STP5NB40FP
STP5NB60FP
STP6NA60F1
STP6NA80FI
STP6NB80FP
STP6NC60FP
STP6NK90ZFP
STP7N80
STP7NB60FP
STP7NC80ZFP
STP8NK80ZFP
STP9NC60FP
STP9NK50Z
STP9NK60Z
STP9NK60ZFP
STP10NK60ZFP
STP10NK80Z
STP10NK80ZFP
STP12NB30FP
STP13NK60Z
STP14NK50ZFP
STP16NE06.METAL.BA
STP16NE06FP.INSUL.
STP20N06.METAL
STP60N06

**STW**

Code
STW7NB80
STW8NC90Z
STW11NB80
STW13NB60
STW26NM60

**TIP**

Code
TIP29C
TIP31A
TIP31C
TIP32A
TIP32C
TIP33C
TIP34C
TIP35C.TO218
TIP35C.TO247
TIP36C.TO247
TIP41
TIP41A
TIP41C
TIP42C
TIP48
TIP50
TIP54
TIP101

TIP102
TIP105
TIP106
TIP107
TIP110
TIP111
TIP112
TIP115
TIP116
TIP117
TIP120
TIP121
TIP122
TIP125
TIP126
TIP127
TIP131
TIP132
TIP136
TIP137
TIP140
TIP141
TIP142
TIP146
TIP147.TO218
TIP2955
TIP3055

**TOP**

Code
TOP201YAI
TOP202YAI
TOP203YAI
TOP204YAI
TOP209P
TOP210PI
TOP214AYI
TOP223Y
TOP224Y
TOP225YN
TOP227Y
TOP234Y
TOP243PN
TOP245PN.(DIL)
TOP245Y
TOP246Y
TOP247Y
TOP248Y
TOP249Y

**TT**

Code
TT2140
TT2142
TT2170
TT2190

**UN**

Code
UN1111
UN1112
UN1212

**W**

Code
W12NA60



## ICs

### IC LISTING INTRO

See List below for our current IC listing.  
Note: This list is continually being updated!  
Please contact us if you can not find your required IC.  
Some data sheets are available:  
[www.wes.net.au](http://www.wes.net.au)



#### 1L

Code
1L0380R-4PIN

#### 1M

Code
1M0365R-4PIN
1M0380R
1M0565R
1M0680R
1M0880

#### 2S

Code
2S0680
2S0880-5PIN

#### 3S

Code
3S0680RF.5PIN
3S1265R-5PIN

#### 5H

Code
5H0165R-4PIN

#### 5L

Code
5L0165R-8PIN
5L0265R-4PIN
5L0365R-4PIN
5L0365R-8PIN
5L0380R-4PIN
5L0380R-8PIN

#### 5M

Code
5M02659RN-8PIN
5M0265R
5M0365R-4PIN
5M0365R-8PIN
5M0380R-4PIN

#### 5Q

Code
5Q0565RT-5PIN
5Q0765RT-5PIN
5Q1265RF-5PIN
5Q1265RT-5PIN
5Q1565RF-5PIN

#### 5S

Code
5S1265R

#### 14DN

Code
14DN348E
14DN363

#### 24C

Code
24C01
24C01A
24C01P
24C02
24C02P
24C08A
24C16WP
24C256

#### 27C

Code
27C64A-10F1
27C256-12
27C512-10F1

#### 64

Code
6458D
6458S

#### 74

Code
7404
7405
7406
7407
7425
7438

#### 74HC

Code
74HC00
74HC02P
74HC04
74HC10N
74HC14N
74HC74N
74HC85P
74HC86AP
74HC123AN
74HC139P
74HC193P
74HC374P
74HC573P
74HC595
74HC4066P

#### 74LS

Code
74LS00
74LS01P
74LS02
74LS03
74LS04

#### 74LS08

74LS10
74LS21
74LS27
74LS28
74LS32
74LS47
74LS74
74LS86
74LS90
74LS92
74LS93
74LS112
74LS138
74LS145
74LS151
74LS155
74LS161
74LS164
74LS166
74LS174
74LS191
74LS192
74LS193
74LS194
74LS221N
74LS240
74LS241
74LS243
74LS244
74LS245
74LS257
74LS258AN
74LS273
74LS365AN
74LS373
74LS374N
74LS377
74LS393
74LS541N

#### 74S

Code
74S00
74S04
74S08
74S11
74S32
74S64
74S74
74S112
74S138

#### 85C

Code
85C72/P

#### 93C

Code
93C46CB3

#### 626A

Code
626A2205KWMCC

### 4000 CMOS IC

Code
4001
4002
4006
4008
4009
4010
4011
4013
4015
4016
4017
4018
4019
4020
4022
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4024
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4029
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4033
4035
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4046
4047
4049
4050
4051
4052
4053
4060
4066
4066BF.SMD
4069
4070
4071
4072
4073
4075
4076
4077
4078
4081
4082
4085
4086
4093
4094
4094BCF.SMD
4503
4510
4518
4520
4528
4555
4556
4558D
4558G.SMD
4558S
4584
4585
40097
40106



**A****Code**

A1019.SMD  
A1034  
AT89S52-24PU

**ADXT****Code**

ADXT64  
ADXTPLUS

**AH****Code**

AH1202

**AM****Code**

AM26LS31PC  
AM26LS32PC  
AM5868S.SMD

**AN****Code**

AN80T05  
AN115  
AN214Q  
AN217  
AN236  
AN240P  
AN252  
AN262  
AN277  
AN278  
AN302  
AN303  
AN305  
AN307  
AN318  
AN355  
AN360  
AN362  
AN608  
AN610P  
AN612  
AN1358  
AN3215K  
AN3311K  
AN3312  
AN3313  
AN3320K  
AN3331K  
AN3386NK  
AN3792  
AN3794  
AN3795N  
AN3810K  
AN3811NK  
AN3812K  
AN3814K  
AN3821K  
AN3822K  
AN3830K  
AN3990K  
AN5010  
AN5020  
AN5025K  
AN5026K  
AN5033  
AN5034  
AN5043  
AN5071  
AN5132  
AN5135NK  
AN5138NK  
AN5150N  
AN5151N  
AN5179K

AN5192K-B  
AN5195K-B  
AN5195K-C  
AN5198K  
AN5250  
AN5256  
AN5260  
AN5262  
AN5265  
AN5270  
AN5274  
AN5275  
AN5277  
AN5410  
AN5421  
AN5431N  
AN5435  
AN5436N  
AN5510  
AN5512  
AN5515  
AN5521  
AN5522  
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**AP****Code**

AP1501A-ADJ

**APU****Code**

APU2470

**AS****Code**

AS15-G.SMD  
AS15-U  
AS34-G.SMD

**BA****Code**

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BA3505F.SMD



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BA7766AS
BA7767AS
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BA12004
BA15218D.DIL
BA15218N.SIL

## BD

Code
BD9893F.SMD
BD9897FS.SMD

## BL

Code
BL2710.REG.BLK
BL2711N.REG.BLK

## BU

Code
BU2114
BU2735AS
BU2751S
BU2753AS
BU2845S
BU2872AK.SMD
BU2896AK.SMD
BU2896K.SMD
BU2899K.SMD
BU3738F.SMD
BU4094BCF.SMD

## CA

Code
CA733
CA1310
CA1391E
CA3046

## CAT

Code
CAT93C46P

## CD

Code
CD1031CS
CD1366CP
CD8256CZ
CD9632CS

## CIC

Code
CIC7018E
CIC9140BE

## CM

Code
CM0765R.6.PIN

## CNX

Code
CNX62A
CNX82A
CNX83A

## CNY

Code
CNY17F2

## CVA

Code
CVA2400A
CVA2411TX

## CX

Code
CX131A
CX138
CX141
CX150B
CX157
CX523-117P
CX804
CX20061
CX20106A
CX20126
CX20187
CX20198
CX22008
CX22009
CX23025

## CXA

Code
CXA1044P
CXA1081.DIL
CXA1081M.SMD
CXA1082BQ.SMD
CXA1198AP
CXA1213BS
CXA1213S
CXA1238S
CXA1279AS
CXA1291P
CXA1372AQ.SMD
CXA1372S
CXA1587S
CXA2050S
CXA2100AQ.SMD
CXA2139S
CXA2581N.SMD
CXA8008P

## CXD

Code
CXD1125Q.SMD
CXD1130Q.SMD
CXD1135Q.SMD
CXD2500AQ.SMD

## D

Code
D2C2KEY

## DBL

Code
DBL1009
DBL2002

## DH

Code
DH0165

## DL

Code
DL0365R

## DM

Code
DM0265R
DM0365R
DM0565.DIL
DM0565R.TO220

## DMB

Code
DMB3520VV
DMB3521SY

## DPM

Code
DPM001TIA

## DTS

Code
DTS02P-A4
DTS03NPA3

## EA

Code
EA7317B

## F

Code
F9222L

## FA

Code
FA3647
FA5304
FA5311

## FSD

Code
FSD200
FSD210

## FSDH

Code
FSDH0165

## GL

Code
GL3120





## HA

Code
HA178M05P
HA178M08
HA1125
HA1137W
HA1147
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HA17815

## HD

Code
HD14013BP
HD14052P
HD14081BP
HD14538BP
HD38980C
HD38991A
HD38993A

## HG

Code
HG5412

## HIS

Code
HIS0169C

## HM

Code
HM9102

## ICE

Code
ICE1QS01.DIL
ICE2A0565
ICE2A265
ICE2A365
ICE2A765P2
ICE2B0365
ICE2B0565
ICE2B265
ICE2BS01
ICE2QS01.DIL
ICE3B0365
ICE3B1565J
ICE3B3065P
ICE3BR0665J
ICE3BR1065JF
ICE3BR1765Y

## IR

Code
IR3N05
IR2109
IR2111
IR2113
IR2403
IRG4PC50W

## IRL

Code
IRL3803

## JRC

Code
JRC2352D
JRC2902
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JRC3403AD
JRC4419A
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JRC10311

## JU

Code
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JU0005
JU0006
JU0012
JU0047
JU0076
JU0114
JU0116
JU0130
JU0168

## KA

Code
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KA1M0365R-4PIN
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KA1M0565R
KA1M0680R
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KA2S0680
KA2S0880-5PIN
KA3S0680RF-5PIN
KA3S1265R-5PIN
KA5H0165R-4PIN
KA5L0165R-4.PIN
KA5L0165R-8PIN
KA5L0265R-4PIN
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## KIA

Code
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KIA75902P

## KKZ

Code
KKZ09

## KWMCC

Code
KWMCC626A2205

## L

Code
L200C
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L4885CV
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LD7575PS.SMD

## LA

Code
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LA7952
LA7954
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LA73054.SMD
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LA76818A
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LA76832
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LA78041
LA78045

## LAG

Code
LAG600

## LB

Code
LB1214
LB1216
LB1258
LB1290
LB1403N
LB1405
LB1415
LB1416
LB1423
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LB1450
LB1601
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LB1641
LB1643
LB1645N
LB1648
LB1650
LB1651
LB1943N

## LC

Code
LC3517AM-15.SMD
LC3517BML-15.SMD
LC4071B
LC4077B
LC4966
LC7060
LC7131
LC7132
LC7207D
LC7250
LC7267
LC7351
LC7432
LC7512
LC7533
LC7537AN.SMD
LC7538N.SMD
LC7800
LC7800N
LC7815
LC7816
LC7818
LC7821N
LC7822
LC7823
LC7860K.SMD
LC7880
LC7881
LC72131M.SMD
LC78211
LC78213

LC89925
LC863324A-5S68
LC863328A-5Z26

## LF

Code
LF347N
LF351N
LF353N
LF356N
LF357N
LF398N
LF441CN

## LM

Code
LM35DZ
LM301AN
LM311P
LM317K
LM317L
LM317T
LM318N
LM319N
LM323K
LM324N
LM331N
LM337K
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LM349N
LM350K
LM350T
LM358-SOP-8P.SMD
LM358N-D.I.L
LM359N
LM361N
LM379S
LM380-8P
LM380-14P
LM382N
LM383T
LM384N
LM389
LM390N
LM392N
LM393D.SMD
LM393N.8.PIN.DIL
LM555N
LM556CN
LM567CN
LM709CN-8
LM723CH.METAL.CASE
LM723CN
LM725CN
LM733CN
LM741CN
LM747CN
LM748CN
LM833
LM1011N
LM1111CN
LM1201N
LM1203N
LM1205N
LM1207N
LM1279AN
LM1282N
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LM1895N
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LM2407T
LM2427T
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MIK386

## LMM

Code
LMM51413ASP

## LT

Code
LT1071CT
LT1073CN8-5
LT1083CP
LT1084CT

## LTV

Code
LTV817B

## LV

Code
LV1116N.SMD

## M

Code
M490BB1
M491BB1
M3872FNB1
M5130
M5134P
M5143P
M5144P
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M5218L
M5219L
M5223L-SIL
M5223P-DIL
M5224P
M5227P
M5228FP.SMD
M5228P
M5230L
M5236L.TO92L.CASE
M5236ML.SMD
M5237L.TO92L.CASE
M5248P
M5269L
M5282FP.SMD
M5283P
M34300-012SP
M37210M4-526SP
M37417M4-127SP
M37417M4-161SP
M37418E6-511SP
M50115P
M50124-001SP
M50431-101SP
M50436-560SP
M50436-561SP
M50455-001SP
M50560-001P
M50731-610SP
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M51399P
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M51496P
M51513L



M51521L
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M52343SP-C
M52348SP
M52440ASP
M52760SP
M52770ASP
M52771ASP
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M52778SP-A
M52797SP
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M54832P
M54889P
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M56731SP
M56732L
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M62359P
M62420SP
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M67754

## MA

Code
MA1050
MA2830
MA2831
MA3810
MA3910
MA8910
MA8920

## MB

Code
MB3106
MB3712
MB3713
MB3731
MB3756
MB3759.DIL
MB3759FP.SMD
MB4204M
MB8841-679J
MB8841-1363J
MB88301A
MB88303
MB88305
MB88401-161K
MB88401-206M
MB88401-217L
MB88401-232M
MB88401-233K
MB88501-158M
MB88501-284M
MB88501-448M
MB88505-266M
MB88521-140M
MB88525-152M
MB88525-181G
MB88536-122L

## MC

Code
MC1327
MC1330A2P
MC1349
MC1352P
MC1364
MC1377
MC1391P
MC1458N
MC1488N
MC1489P
MC1496P
MC3302P
MC3361BP
MC3362P
MC3403P
MC3423P
MC3486N
MC3487
MC5156
MC13020P
MC13309T3
MC14015
MC14106BCP
MC14410P
MC33260P
MC34064P5
MC34067P
MC44603AP-14PIN
MC44603AP-16PIN
MC44604P-16PIN
MC44608P40
MC145026P
MC145027P
MC145028P
MC145162P

## MCZ

Code
MCZ3001D
MCZ3001DA
MCZ3001DB

## MD

Code
MD1422N.S/MNT

## MDA

Code
MDA2060
MDA2062-ITT

## MIP

Code
MIP0253
MIP0254
MIP2C1
MIP184
MIP281
MIP411

## MK

Code
MK1210
MK5173N

## MM

Code
MM5316
MM5387
MM5456N

## MN

Code
MN1220
MN1220T
MN1225
MN1228
MN1280
MN1430TJ
MN2488
MN3102
MN3207
MN6163A
MN6168VIA
MN14831FVK
MN15151TKV
MN15245KWC
MN15245SAY-1
MN15261VQY
MN15283VJU
MN15311VBS
MN15362VBR
MN15362VBX
MN15823VGQ
MN1873284TK

## MOC

Code
MOC3021
MOC3041
MOC3042
MOC3061
MOC8104

## MR

Code
MR1722
MR2920
MR4020
MR4030
MR6710-7PINS
MR6710-8PINS

## MSP

Code
MSP1250-ADJS

## MX

Code
MX5503

## MZ

Code
MZ1540

## NC

Code
NC8061
NC8500

## NE

Code
NE542N
NE545B
NE555D-SOP-8P.SMD
NE555N
NE556
NE558C
NE645N
NE657N
NE5044
NE5532P
NE5534P
NE5535N

## NJM

Code
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NJM2068D-8PIN
NJM2068M.SMD
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NJM2073D
NJM2233S
NJM2245L.SIL
NJM2352D
NJM2606D
NJM2904S
NJM3403AD
NJM3404S
NJM4556AD
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NJM5532D.DIL
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## NN

Code
NN5099K

## PA

Code
PA3012

## PAC

Code
PAC007A
PAC008A
PAC009A
PAC010A
PAC011A



**PAL****Code**

PAL003A  
PAL005A  
PAL006A  
PAL007A  
PAL007B  
PAL007C

**PC****Code**

PC111S  
PC113  
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PC714  
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**PCA****Code**

PCA84C440P-401  
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PCA84C640P-158  
PCA84C640P/030  
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**PCF****Code**

PCF8574T.SMD  
PCF8581P  
PCF8582AP

**PLS****Code**

PLS105N

**PQ****Code**

PQ05RD11  
PQ05RF1  
PQ05RF1V  
PQ05RF11  
PQ05RR12  
PQ05RR13  
PQ09RD11  
PQ3RD13  
PQ12R04  
PQ12RF11  
PQ12RF21

**PS****Code**

PS2561.PHOTO.COUPPL  
PS6002A

**RSN****Code**

RSN35H1A-P  
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RSN307M42  
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RSN308M22  
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RSN311W64  
RSN312H24  
RSN313H25  
RSN314H41

**RSN315H42B**

RSN3403  
RSN3502  
RSN6000B

**S****Code**

S431C  
S2560A-2  
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**SAA****Code**

SAA1000  
SAA1010  
SAA1024  
SAA1025  
SAA1124  
SAA1290-02  
SAA1293-03  
SAA3006P  
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SAA3027P  
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SAA5012  
SAA5020  
SAA5030  
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**SAB****Code**

SAB3013  
SAB3035

**SAF****Code**

SAF1032P  
SAF1039

**SAP****Code**

SAP15N  
SAP15P  
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**SAS****Code**

SAS560S  
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SAS580  
SAS590  
SAS660  
SAS670

**SDH****Code**

SDH209B

**SE****Code**

SE014  
SE090  
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SE110N  
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SE120N  
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SE136N  
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SE140N

**SF****Code**

SF1668

**SFH****Code**

SFH617A

**SG****Code**

SG264  
SG613  
SG3081J  
SG3524AN  
SG3525A  
SG3842

**SI****Code**

SI3052P  
SI3052V  
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SI7200M  
SI7300A  
SI8053B  
SI8100D  
SI18751  
SI18752

**SK****Code**

SK18751  
SK18752

**SLA****Code**

SLA4342  
SLA4501M  
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**SMR****Code**

SMR40200-IC  
SMR40200-KIT  
SMR60000

**SN****Code**

SN16848  
SN29770  
SN29771BN  
SN76115N  
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**SS****Code**

SS1001

**ST****Code**

ST02

**STA****Code**

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**STA401A****STA403A****STA404A****STA405A****STA431A****STA432A****STA434A****STA441C****STA451C****STA471A****STA505.SMD****STA506.SMD****STA508A****STA509A****STA518.SMD****STA521A****STK****Code**

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## STR

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STR2012
STR2013
STR3105
STR3125
STR3130
STR4090
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STR4090S
STR4211
STR5015
STR5214





STR5314
STR5395
STR5412
STR6020
STR9005
STR9012
STR10006
STR11006
STR16006
STR17006
STR20005
STR20015
STR30115
STR30123
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STR40090
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STR51424
STR52041
STR53041
STR54041
STR55041
STR56041
STR58041-IC
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STR59041
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STR81145A
STR81159
STR83145
STR83159
STR90120

## STRA

Code
STRA6059H-7PIN
STRA6159
STRA6169
STRA6351
STRA6359

## STRD

Code
STRD1005T
STRD1706
STRD1806
STRD1806EA
STRD1816
STRD3030
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STRD4412
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STRD5095A
STRD5441
STRD5541
STRD6008X
STRD6009E

STRD6108
STRD6601
STRD6802

## STRF

Code
STRF5653
STRF6168
STRF6256
STRF6267
STRF6268
STRF6426
STRF6454
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STRF6676
STRF6707
STRF6707A
STRF6709A

## STRG

Code
STRG5623
STRG5653
STRG6153
STRG6153T
STRG6351
STRG6352
STRG6353
STRG6551
STRG6651
STRG6653
STRG8656
STRG9656

## STRM

Code
STRM6511
STRM6523
STRM6529
STRM6545
STRM6546
STRM6559
STRM6811
STRM6821A
STRM6831A
STRM6833A
STRM6833B

## STRNW

Code
STRNW6853

## STRS

Code
STRS5141G
STRS5706
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STRS5841
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STRS6709
STRS6709A
STRS6718

## STRT

Code
STRT-G6153

## STRW

Code
STRW5753A
STRW6251
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STRW6556A
STRW6654
STRW6750F
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STRW6853
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STRW6856

## STRX

Code
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STRX6750B
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STRX6759
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## STRZ

Code
STRZ2062
STRZ2589
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STRZ4267
STRZ4302
STRZ4479

## STV

Code
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STV2248C
STV2248H
STV5109
STV5112
STV8131
STV8164
STV8172A
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STV9306
STV9306A
STV9325
STV9379.IC
STV9379A
STV9379FA

## SVI

Code
SVI3100A(-B)
SVI3101C(-D)
SVI3101D
SVI3102D

## SVS

Code
SVS-866

## SZM

Code
SZM-137M3
SZM-137PV
SZM-143RV

## TA

Code
TA78L006AP
TA79L006P
TA1215AN
TA1216AN
TA1219AN
TA1222BN
TA1232AN
TA2020-020
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TA7061AP
TA7061BP
TA7071P
TA7073AP
TA7074P
TA7089P
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TA7093P
TA7120P
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TA8104F.SMD  
TA8110AP  
TA8119P  
TA8122AN  
TA8126S.SIL  
TA8127F.SMD  
TA8127N  
TA8164P  
TA8189N  
TA8191F.SMD  
TA8192F.SMD  
TA8200AH  
TA8201AK  
TA8205AH  
TA8207K  
TA8210AH  
TA8211AH  
TA8213K  
TA8215H  
TA8215L  
TA8216H  
TA8217P  
TA8218AH  
TA8220H  
TA8221AL  
TA8221H  
TA8223K  
TA8225H  
TA8227P  
TA8229K  
TA8232H  
TA8238K  
TA8246H  
TA8248K  
TA8251AH  
TA8254BH  
TA8255AH  
TA8256BH  
TA8258H  
TA8259HQ  
TA8260H  
TA8262H  
TA8263BH  
TA8263BHQ  
TA8264AHQ  
TA8266H  
TA8268HS  
TA8271H  
TA8272H  
TA8273H  
TA8276H  
TA8277H  
TA8401F.SMD  
TA8402F.SMD  
TA8403K  
TA8405S  
TA8406P  
TA8410K  
TA8424F.SMD  
TA8427K  
TA8428K

TA8432K  
TA8445K  
TA8606N  
TA8607P  
TA8611AN  
TA8617S  
TA8628N  
TA8631N  
TA8632N  
TA8637BP  
TA8644N  
TA8653N  
TA8659AN  
TA8662N  
TA8690AN  
TA8691N  
TA8701N  
TA8710S  
TA8718N  
TA8719AN  
TA8720AN  
TA8739P  
TA8759AN  
TA8759BN  
TA8776N  
TA8782N  
TA8822SN  
TA8844N  
TA8859AP  
TA8859CP  
TA8867N  
TA8871N  
TA8880CN  
TA9090AN  
TA31001P  
TA75339P  
TA75393P  
TA75458P.DIL  
TA75458S.SIL  
TA75558P.DIL  
TA75558S.SIL  
TA75902P

## TAA

### Code

TAA550  
TAA570  
TAA630S

## TB

### Code

TB1226EN  
TB1227BN  
TB1237AN  
TB1238AN  
TB1240AN  
TB1251CN  
TB2901H  
TB2902HQ  
TB2903HQ  
TB2904HQ  
TB2906H

## TBA

### Code

TBA120S  
TBA120U  
TBA240  
TBA331  
TBA395  
TBA396  
TBA440C1  
TBA440N  
TBA510  
TBA520  
TBA530  
TBA540

TBA570A  
TBA720A  
TBA750C  
TBA750Q  
TBA760  
TBA800  
TBA810AP  
TBA810S  
TBA820-8PIN  
TBA820-14PIN  
TBA920  
TBA940  
TBA970  
TBA990Q  
TBA1440G

## TC

### Code

TC4052BF.S/FACE.MN  
TC4053BF.SMD  
TC5022BP  
TC5066BP  
TC5082P  
TC5090AP  
TC5518CFL15.SMD  
TC7129  
TC8578AP  
TC9106BP  
TC9109BP  
TC9121P  
TC9123P/BP  
TC9130P  
TC9137BP  
TC9145P  
TC9146AP  
TC9147BP  
TC9148P  
TC9149P  
TC9150P  
TC9152P  
TC9153AP  
TC9154AP  
TC9157AP  
TC9162N  
TC9163N  
TC9164N  
TC9167P  
TC9172AP  
TC9174P  
TC9176P  
TC9177P  
TC9200AF.SMD  
TC9201BF.SMD  
TC9212P  
TC9227P  
TC9245N  
TC9274N-011  
TC9284BF.SMD  
TC9299P  
TC9302AF-011  
TC9307AF-004.SMD  
TC31018AP  
TC89101

## TCA

### Code

TCA270S  
TCA290A  
TCA420A  
TCA440  
TCA640  
TCA650  
TCA730  
TCA750  
TCA800  
TCA810A  
TCA830S  
TCA940



**TCM**

Code
TCM80A

**TD**

Code
TD6104P
TD6301AP
TD6358N
TD6359N
TD6360N
TD6710AN
TD62064AP
TD62083AP
TD62105P
TD62304P
TD62308AP
TD62501P
TD62706P

**TDA**

Code
TDA1001B
TDA1010A
TDA1011
TDA1011A
TDA1013A
TDA1013B
TDA1015
TDA1020
TDA1024
TDA1047
TDA1054M
TDA1060
TDA1082
TDA1083
TDA1170N
TDA1170S
TDA1175
TDA1175P
TDA1180P
TDA1301T.SMD
TDA1352B
TDA1412
TDA1420
TDA1510A
TDA1514A
TDA1515BQ
TDA1516BQ
TDA1516Q
TDA1517-9PIN
TDA1517P
TDA1518Q
TDA1519
TDA1519A
TDA1519AQ
TDA1519B
TDA1520B
TDA1521
TDA1521A
TDA1522
TDA1524A
TDA1526
TDA1540P
TDA1541
TDA1543
TDA1545A
TDA1552Q
TDA1554Q
TDA1557Q
TDA1558Q
TDA1562Q
TDA1576
TDA1578A
TDA1670A
TDA1675A
TDA1771

TDA1870A
TDA1904
TDA1905
TDA1910
TDA1940.MEV
TDA1940.TFK
TDA1950
TDA2002
TDA2003
TDA2004
TDA2005
TDA2006
TDA2007
TDA2008
TDA2009A
TDA2020
TDA2030A
TDA2030V
TDA2040
TDA2050V
TDA2052
TDA2540
TDA2540Q
TDA2541
TDA2541Q
TDA2542
TDA2545A
TDA2545AQ
TDA2549
TDA2555
TDA2560
TDA2577A
TDA2578A
TDA2579A
TDA2579B
TDA2581
TDA2581Q
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TDA2616Q
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TDA2791
TDA2795
TDA2822.16.PIN
TDA2822M.8.PIN
TDA2840
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TDA3504
TDA3505
TDA3541
TDA3560-PHILLIPS
TDA3561A
TDA3562A-PHI.PHILI
TDA3562A-SGS
TDA3562A-TFK
TDA3565
TDA3566
TDA3566A
TDA3576B
TDA3603P
TDA3651
TDA3651A
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TDA3652
TDA3652AQ
TDA3653B
TDA3653C

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TDA3654.IC
TDA3654Q
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TDA3800GS
TDA3803A
TDA3810
TDA3857
TDA4173
TDA4426A
TDA4427
TDA4433
TDA4437
TDA4439-TFK
TDA4445B
TDA4470.DIL
TDA4470.SMD
TDA4472
TDA4480
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TDA4501
TDA4505E
TDA4510
TDA4555
TDA4556
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TDA4566
TDA4580
TDA4600
TDA4600-2
TDA4600-3
TDA4601-SIE.
TDA4601B.DIL
TDA4601D
TDA4601ST.SGS
TDA4605
TDA4605-2
TDA4605-3
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TDA4661
TDA4662
TDA4665
TDA4680
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TDA4866J
TDA4867J
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TDA5930-5
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TDA6107Q
TDA6108JF
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TDA6109JF

TDA6111Q
TDA6118JF
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TDA7230
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TDA7851A-27PIN
TDA8133



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TDA8357J
TDA8358J
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TDA8361E
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TDA8362B
TDA8362E
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TDA8505
TDA8510J
TDA8512J
TDA8560Q
TDA8561Q
TDA8562Q
TDA8563Q
TDA8565Q
TDA8567Q
TDA8568Q
TDA8571J
TDA8722T.SMD
TDA8732
TDA8741
TDA8745
TDA8841SI
TDA8842

TDA8843
TDA8844
TDA8844-S1
TDA8844/N2
TDA8855H.SMD
TDA8855H.SMD
TDA8920BJ
TDA8922BJ
TDA8944AJ
TDA8944J
TDA8946J
TDA8947J
TDA8950J
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TDA9103
TDA9109
TDA9109/SN
TDA9111
TDA9112
TDA9113
TDA9160A
TDA9178
TDA9302H
TDA9321H.SMD
TDA9330H.SMD
TDA9351PS
TDA9361PS/N2/4I078
TDA9361PS/N2/4I088
TDA9370PS/N2/A/120
TDA9381PS/0838
TDA9535
TDA9800
TDA9801T.SMD
TDA9803
TDA9821
TDA9840
TDA9852
TDA9859
TDA9859H.SMD
TDA9860
TDA9870A/V2
TDA9873H.SMD
TDA9875A
TDA9885TS.SMD
TDA16833
TDA16846P
TDA16888G.SMD

## TDB

Code
TDB1030

## TEA

Code
TEA0657
TEA0665
TEA1014
TEA1039
TEA1062
TEA1100
TEA1501
TEA1504
TEA1507P
TEA1520P
TEA1522P
TEA1523P
TEA1524P
TEA1611T.SMD
TEA2014A
TEA2018A
TEA2024

TEA2025
TEA2025B
TEA2028B
TEA2029C
TEA2031A
TEA2037A
TEA2130
TEA2164
TEA2165
TEA2165A
TEA2260
TEA2261
TEA2262
TEA3717DP
TEA5101A
TEA5101B
TEA5114A
TEA5170
TEA5550
TEA5570
TEA5581
TEA6415C
TEA7530DP
TEA8172

## TL

Code
TL061CN
TL062
TL064CN
TL071CN
TL072CN
TL074CD.SMD
TL074CN.DIL
TL081CP
TL082
TL084CN
TL431CLP
TL431CP.DIL
TL489CP
TL494CF
TL494CN
TL497ACN
TL594CN
TL3842
TL3842P
TL8709P

## TLP

Code
TLP521
TLP581
TLP621
TLP627
TLP632
TLP633
TLP651
TLP721
TLP721F
TLP732
TLP3063

## TMP

Code
TMP47C434AN-R231
TMP47C434N-3147
TMP47C434N-3526
TMP47C434N-3537
TMP47C434N-R221
TMP47C634N-2465
TMP47C834N-R161
TMP47C834N-R165

## TMS

Code
TMS1000N2LL
TMS1025N2LL
TMS1943N2L
TMS1944N2L

## TNY

Code
TNY253P
TNY254P
TNY255PN
TNY256PN
TNY264P
TNY265P
TNY266P
TNY267PN
TNY268PN
TNY274PN
TNY276PN
TNY277PN
TNY280P

## TOP

Code
TOP223P

## TPA

Code
TPA1517NE

## TSC

Code
TSC7106CPL
TSC7126

## U

Code
U410B
U416B
U417B
U2829B
U4614B
U4646B-TFK

## UA

Code
UA733
UA741CN
UA747CN
UA7805F

## UC

Code
UC3524AN
UC3818N
UC3842B
UC3842N
UC3842P
UC3843B
UC3843N
UC3844
UC3844AN
UC3845
UC3846N
UC3882

## UCC

Code
UCC3818N





## ULN

Code
ULN2001A
ULN2002
ULN2003
ULN2004
ULN2023A
ULN2110A
ULN2803A
ULN2804A

## UM

Code
UM9151

## UPA

Code
UPA53C
UPA68HA
UPA81C

## UPB

Code
UPB571C

## UPC

Code
UPC17C
UPC29C2
UPC41C
UPC324C
UPC339C
UPC358C
UPC358G.SMD
UPC393C
UPC494C
UPC554C
UPC566H
UPC574J
UPC575C2
UPC576H
UPC577H
UPC585C
UPC587C2
UPC592H2
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UPC1028
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UPC1094C
UPC1094G.SMD
UPC1095G
UPC1154H
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UPC1167C2
UPC1170H
UPC1171C
UPC1176C
UPC1181H
UPC1185H
UPC1188H
UPC1191V
UPC1197
UPC1210C
UPC1213C
UPC1215V
UPC1216V
UPC1222C
UPC1225H
UPC1228HA
UPC1230H2
UPC1237HA

UPC1238
UPC1241H
UPC1242H
UPC1245V
UPC1252H2
UPC1263
UPC1270H
UPC1288V
UPC1290C
UPC1296G
UPC1297CA
UPC1298V
UPC1308V
UPC1310V
UPC1313HA
UPC1316C
UPC1318AV
UPC1335V
UPC1342V
UPC1350C
UPC1351C
UPC1356C2
UPC1362C
UPC1363C
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UPC1384C
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UPC1394C
UPC1397C
UPC1403CA
UPC1406HA
UPC1420CA
UPC1458C
UPC1470
UPC1474HA
UPC1475HA
UPC1488H
UPC1490HA
UPC1498
UPC1504C
UPC1505C
UPC1513HA
UPC1514CA
UPC1516CA
UPC1519HA
UPC1524C
UPC1525C
UPC1526C
UPC1534C
UPC1536C
UPC1571C
UPC1605G.SMD
UPC1651G
UPC1853CT
UPC1891ACY
UPC2002
UPC2500H
UPC2581V
UPC4557C
UPC4558C
UPC4558G.SMD
UPC4570C.DIL
UPC4570G.SMD
UPC4570HA.SIL
UPC7915H
UPC7918H
UPC14312H
UPC14315
UPC16315H

## UPD

Code
UPD858
UPD1701C-011
UPD1701C-013
UPD1701C-014
UPD1987C
UPD7507HC-070
UPD22100C
UPD75008GBE04
UPD75106CW-103
UPD75208CW-105
UPD75208CW-219

## VIPER

Code
VIPER12A
VIPER20A-5PIN
VIPER20A-8PIN
VIPER22A
VIPER100
VIPER100ASP.SMD

## VPG

Code
VPG101T

## X

Code
X0031CE
X0035TA
X0037CE
X0038TA
X0040TA
X0053CE
X0054CE
X0062CE
X0063CE
X0065CE
X0104TA
X0109CE
X0122GE
X0129CE
X0134GE
X0147CE
X0164PA
X0191CE
X0195CE
X0200CE
X0203GE
X0205CE
X0206CE
X0214CE
X0226GE
X0238CE
X0247CE
X0250CE
X0256CE
X0261CE
X0262CE
X0262GE
X0263CE
X0274CE
X0275CE
X0304GE
X0305CE
X0308-KIT
X0308-O.ORIGINAL
X0308.SUBSTITUTE
X0313CE
X0319CE
X0322GE
X0355CE
X0365CE
X0416AG

X0431GE
X0439CE
X0448GE
X0465CE
X0506CE
X0512CE
X0601CE
X0602CE
X0603CE
X0640CE
X0689CE
X0712CEN1
X0715CE
X0731CE
X0933AF
X0986GE
X969CEN1
X1011CE
X1013GE
X1040AF
X1118CE
X1148
X1192AF
X1195AF
X2144CE

## XL

Code
XL24C04P

## XLU

Code
XLU2896K.SMD
XLU2899K.SMD

## XRA

Code
XRA6435S
XRA6439P
XRA7039

## Z

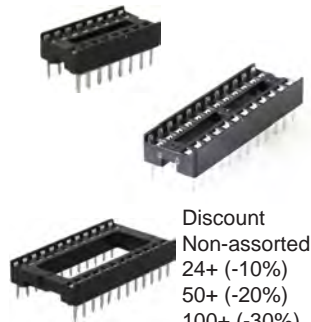
Code
Z0032WREO
Z80A-CPU
Z80A-CTC
Z80AP10



## IC Sockets

### LOW PROFILE IC SOCKETS

Pins	Width	Code
6	7.5 mm	ICS6
8	7.5 mm	ICS8
14	7.5 mm	ICS14
16	7.5 mm	ICS16
18	7.5 mm	ICS18
20	7.5 mm	ICS20
22	7.5 mm	ICS22
24	15 mm	ICS24
24	7.5 mm	ICS24S
28	15 mm	ICS28
28	7.5 mm	ICS28S
32	15 mm	ICS32
40	15 mm	ICS40
42	15 mm	ICS42



Discount  
Non-assorted  
24+ (-10%)  
50+ (-20%)  
100+ (-30%)

### IC SOCKET PINS

Simply cut to size.  
Gold plated contacts.

Pins	Code
20	ICP20
32	ICP32



## Regulators

### VOLTAGE REGULATORS TO92 100mA

Voltage	Code
+5	78L05
+6	78L06
+8	78L08
+9	78L09
+10	78L10
+12	78L12
+15	78L15
+18	78L18
-5	79L05
-6	79L06
-8	79L08
-9	79L09
-12	79L12
-15	79L15
-18	79L18
-24	79L24



### VOLTAGE REGULATORS TO220 1A

Voltage	Code
+5	L7805CV
+6	L7806CV
+8	L7808CV
+9	L7809CV
+12	L7812CV
+15	L7815CV
+18	L7818CV
+24	L7824CV
-5	L7905CV
-6	L7906CV
-8	L7908CV
-9	L7909CV
-12	L7912CV
-15	L7915CV
-18	L7918CV
-24	L7924CV



### VOLTAGE REGULATORS TO3 1.5A

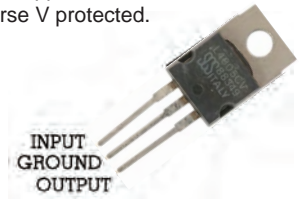
Voltage	Code
+5	L7805CT
+12	L7812CT
-5	L7905CT
-12	L7912CT



### VERY LOW DROP REGULATORS TO220 400mA

Designed for use in automotive & other applications where 0.4V in/out drop is required. Thermal, Over/Reverse V protected.

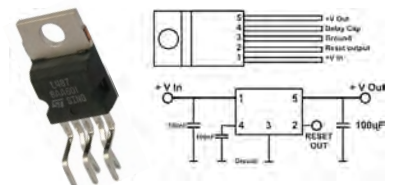
Voltage	Code
+5	L4805
+8.5	L4885
+10	L4810



### VERY LOW DROP WITH RESET TO220 500mA

0.4V drop, with power on/off reset.

Voltage	Code
+5	L487



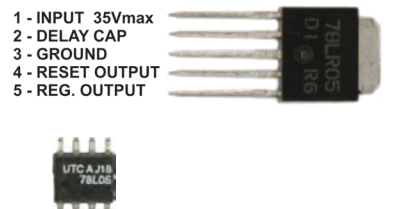
### SMD 5V VOLTAGE REGULATOR

5V 50mA

Code
78LR05

8 PIN VERSION  
5V 100mA

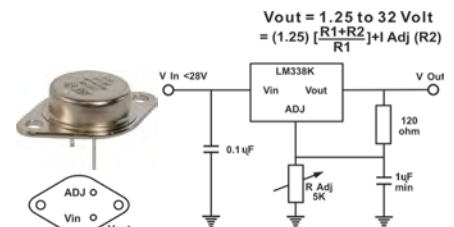
Code
78L05-SOP-8P



### VARIABLE VOLTAGE REGULATOR 5A TO3

A remarkable device, with minimum external components, a variable output voltage of 1.2 to 32 volts is possible.  
Vin Max 40V, Iout Max 5 Amp.

Code
LM338K



### LOW-DROP 5A LINEAR REGULATOR

3 terminal adjustable or fixed  
5.0A Output Current maximum 6.5A  
Operates down to 1V Dropout  
Maximum input voltage is 12V

AZ1084T  
PACKAGE: TO220

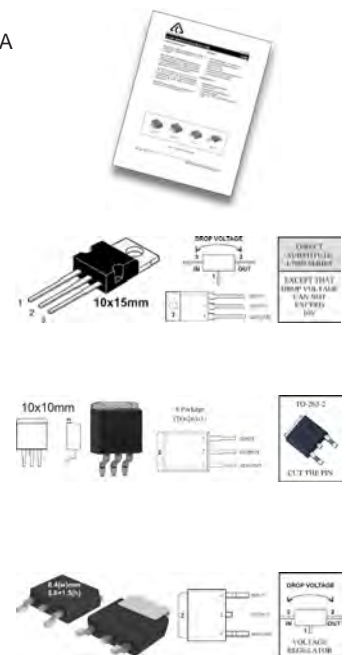
Volts	Code
2.5V	AZ1084T-2.5
3.3V	AZ1084T-3.3
5.0V	AZ1084T-5.0
ADJ	AZ1084T-ADJ

AZ1084S  
PACKAGE: TO263-3

Volts	Code
1.8V	AZ1084S-1.8
2.5V	AZ1084S-2.5
3.3V	AZ1084S-3.3
5.0V	AZ1084S-5.0
ADJ	AZ1084S-ADJ

PACKAGE: TO-252

Volts	Code
1.8V	AZ1084D-1.8
2.5V	AZ1084D-2.5
3.3V	AZ1084D-3.3
5.0V	AZ1084D-5.0
ADJ	AZ1084D-ADJ



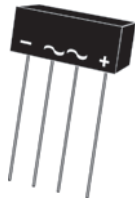




## Diodes Rectifiers

### BRIDGE RECTIFIERS FLAT-PACK

PIV	Vrms	Amps	Code
200V	140V	1.5A	KBP152
600V	420V	1.5A	KBP156
400V	280V	3.2A	KBU1504
400V	280V	4A	KBL404
600V	420V	4A	KBL406
200V	140V	6A	KBU602
600V	420V	6A	KBU606
1KV	700V	2A	BL2-10



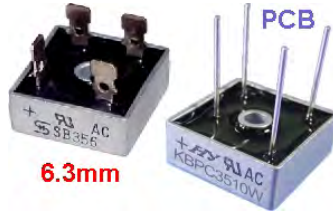
### BRIDGE RECTIFIERS HEAVY-DUTY

#### 420Vrms 35A PCB

PIV	Code
600V	BP35-06W

#### 420Vrms 35A 6.3mm

PIV	Code
600V	BP35-06



### BRIDGE RECTIFIERS HEAVY-DUTY

#### 420Vrms 50A 6.3mm

PIV	Code
600V	BP50-06



### BRIDGE RECTIFIERS BLOCK-PACK

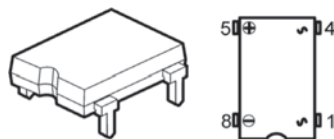
PIV	Vrms	Amps	Code
50	35	1.5	W005
200	140	1.5	W02
400	280	1.0	W04
600	420	1.5	W06
50	35	3	SB305
200	140	3	SB320
600	420	3	SB360
200	140	6	SB603
600	420	6	SB605



### RECTIFIER BLOCK IC SIZE

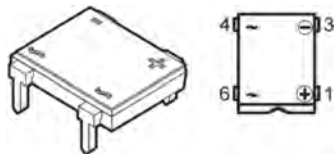
1A(30Apeak) 600Vrms  
Bridge Rectifier DIL 8 pin sized.  
6.5x10.5mm

Code
S1WBA60



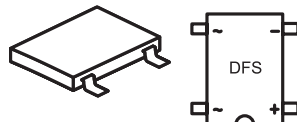
#### 1.5A, 600V (DF06)

Code
DI106



#### 1.5A, 200V, SMD Type

Code
DI102S



### PANASONIC INVERTER MICROWAVE OVEN KIT

#### TWO TRANSISTOR OEM SET

Power Supply Update Kit  
Sold together as a kit

Circuit Reference Part No.	Code
Q701 GT60N321 (G60N90)	KIT691
Q702 GT30J322 (6001M30D)	



### DIODE PACK 16A COMMON CATHODE

16 Ampere switch mode dual fast recovery power rectifier in 3-pin TO-220AB package. Operational temperature range -65°C to 150°C.

Description	Code
16A 60Vp (42Vrms) Pos.	S16C60C
16A 600Vp (420Vrms) Pos.	F16C60C



### DIODE PACK 16A COMMON ANODE

16Ampere switchmode dual fast recovery power rectifier in 3-pin TO-220AB package. Operational temperature range -65°C to 150°C.

Description	Code
16A 600Vp (420Vrms) Neg.	F16C60A



### SCHOTTKY BARRIER RECTIFIER DIODE PACK

#### COMMON CATHODE

Dual High Voltage Trench MOS Barrier Schottky Rectifier

Current	Voltage	Code
10A	100V	MBR10100CT
20A	100V	MBR20100CT
20A	200V	MBR20200CT



### DIODE PACK 30A COMMON CATHODE

Description	Code
30A 60Vp (42Vrms) Pos.	S30D60C



### DIODE PACK 30A COMMON ANODE

Description	Code
30A 60Vp (42Vrms) Neg.	S30D60A



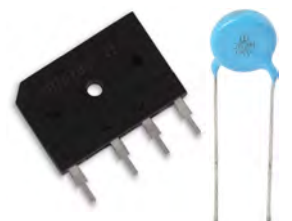
### PANASONIC MICROWAVE RECTIFIER

As used in the "Inverter" type ovens.

Original Part No	Code
AESTRBV6206	D20XB60

MAY ALSO REQUIRE REPLACING  
362K 3KV 3600pF

Original Part No	Code
ECKK3FF362KDU	DE3600





## □ Diodes Zener

### ZENER DIODES 0.5W

Value	Watt	Code
2.7V	0.5W	.5Z2.7
3.3V	0.5W	.5Z3.3
3.6V	0.5W	.5Z3.6
3.9V	0.5W	.5Z3.9
4.3V	0.5W	.5Z4.3
4.7V	0.5W	.5Z4.7
5.1V	0.5W	.5Z5.1
5.6V	0.5W	.5Z5.6
6.2V	0.5W	.5Z6.2
6.8V	0.5W	.5Z6.8
7.5V	0.5W	.5Z7.5
8.2V	0.5W	.5Z8.2
9.1V	0.5W	.5Z9.1
10V	0.5W	.5Z10
11V	0.5W	.5Z11
12V	0.5W	.5Z12
13V	0.5W	.5Z13
15V	0.5W	.5Z15
16V	0.5W	.5Z16
18V	0.5W	.5Z18
20V	0.5W	.5Z20
22V	0.5W	.5Z22
24V	0.5W	.5Z24
27V	0.5W	.5Z27
30V	0.5W	.5Z30
33V	0.5W	.5Z33
36V	0.5W	.5Z36
39V	0.5W	.5Z39
43V	0.5W	.5Z43
47V	0.5W	.5Z47
51V	0.5W	.5Z51
56V	0.5W	.5Z56
62V	0.5W	.5Z62
68V	0.5W	.5Z68
75V	0.5W	.5Z75



### ZENER DIODES 5W

Value	Watt	Code
3.9V	5W	5Z3.9
4.3V	5W	5Z4.3
4.7V	5W	5Z4.7
5.1V	5W	5Z5.1
7.5V	5W	5Z7.5
8.2V	5W	5Z8.2
9.1V	5W	5Z9.1
10V	5W	5Z10
11V	5W	5Z11
12V	5W	5Z12
13V	5W	5Z13
15V	5W	5Z15
16V	5W	5Z16
18V	5W	5Z18
20V	5W	5Z20
22V	5W	5Z22
24V	5W	5Z24
27V	5W	5Z27
30V	5W	5Z30
33V	5W	5Z33
36V	5W	5Z36
39V	5W	5Z39
43V	5W	5Z43
47V	5W	5Z47
51V	5W	5Z51
56V	5W	5Z56
62V	5W	5Z62
68V	5W	5Z68
75V	5W	5Z75
91V	5W	5Z91



## □ Diodes

### DIODES SMD

#### SOLD IN QUANTITY PACKS



Description	Pack of	Code
Schottky 30Vrms 100mA (x10)	10	BAT54S
Schottky 40Vrms 1A (x5)	5	SS14
Ultrafast 4ns 100Vrms 175mA (x10)	10	BAS16
Ultrafast 4ns 100Vrms 215/125mA (x10)	10	BAV99
Ultrafast 6ns 75Vrms 200mA (x10)	10	BAV70
Mini MELF 100Vrms 150mA (x10)	10	MM4148
Switching 75Vrms 150mA (x10)	10	IN4148WS
Rectifier 35Vrms 1A (x10)	10	GS1G
Rectifier 700Vrms 1A (x10)	10	GS1M

### STUD DIODE

High surge current 500A/1200A 10mS.  
Up to 1200 V VRRM. RoHS compliant.  
Nut=18mm, Hole=6.35mm, Height=36mm

Standard is Chassis as Cathode

Current	Type	Volts	Code
40A	Standard	1200V	40HF120
70A	Standard	1200V	70HF120

Reversed is Chassis as Anode

Current	Type	Volts	Code
40A	Reversed	1200V	40HFR120
70A	Reversed	1200V	70HFR120







## Diodes

### DIODES



Description	Code
Germanium (Gi) 50mA 50V	1N60
1A 50V Use 1N4002	1N4001
1A 200V General Purpose/Rectifier Diode	1N4002
1A 400V General Purpose/Rectifier Diode	1N4004
1A 1000V General Purpose/Rectifier Diode	1N4007
0.2A 100V 4nS Fast recovery	1N4148
1 A 600V Fast recovery	1N4937
3A 400V General Purpose/Rectifier Diode	1N5404
3A 1000V General Purpose/Rectifier Diode	1N5408
Schottky-Gi 40V 1A	1N5819
Low Drop Power Schottky Rectifier 3A	1N5822
35V,0.1A eq.BA147/50/87-90,1N5606-09	1S1555
600V 1A Fast recovery BY126/7,33-35,	1S1888
S,35V,0.1A, 100nS	1SS53
S,100V,0.1A, 100nS	1SS55
0.2A 250V Fast recovery	1SS82
35V 100ma Band switching	1SS110
0.11A 40V 4nS Fast recovery	1SS133
Yellow 50V 250mW 1.5nS Switching Diode	1SS254
Use RH2F	SB2C
THYRISTOR 500V 2A	2P5M
1000V 1A Valley point current diode	BA159
0.25A 250V Switching Diode	BAV21
1,200V 1A General Purpose Use BY228	BY127
1,600V 2.5mA General Purpose	BY176
1.2A 50V Special Purpose	BY188
TV Rectifier 400ma 350V Use BYV95c	BY206
1.5A 1200V TV Damper Diode Use BY228	BY227
1.75A 1500V TV Damper Diode	BY228
Use BY329-1200	BY229-800
Use BY329-1200	BY229-1000
2A 800V TV Fast recovery	BY299
7A 1200V TV Damper, 150nS	BY329-1200
7A 1500V TV Damper, 300nS	BY359-1500
3A 800V TV Fast recovery	BY399
Use BYV95C	BY407
5A 200V Rectifier Diode	BY550-200
Use 600V	BY550-400
5A 600V Rectifier Diode	BY550-600
200V 0.4A SiDi Cont'Av' 300nS	BYD33D
600V 1.5A SiDi Cont'Av' 250nS	BYV95C
1000V 1A Controlled avalanche Diode	BYV96E
600V 3A Controlled avalanche Diode	BYW95C
1000V 3A Controlled avalanche Diode	BYW96E
Use BY229-600	BYX71-600
400V 3A Fast recovery 50nS	EGP30G
Damper Modulation Diode (3 Pin)	F60B150DS
600V 2A Fast recovery	FR205
1000V 3A Fast recovery	FR307
1000V 6A Fast recovery	FR607
800V 3A Fast recovery 75nS	HER307
40V 200mA Si Switching Diode	MA178
200V 200mA Si Switching Diode	MA185
Use IN60	OA90
Ge Signal Diode Uni,115V,50mA	OA91
GP Plastic Rectifier (M=1KV) 6A	P600M
173V Zener	R2K
Sharp TV RHEX0397CEZZ	R2KN
Sharp Protection Diode	R2KS
130V Protection diode	R2KY
150V Protection Diode	R2M
1500V 2.5A-IF(AV) 5A-IFSM	RH3F
200V Protection diode	RY23
400V Protection diode	RY24
1000V PIV, 700Vrms, 1A Ultra-Fast	UF4008
Use UF5408	UF5404



## Diodes Microwave

### HV05-12 MICROWAVE DIODE

HV05 550mA 12KV Rectifier

Ends	Code
Diode Only	HV05-12
4.3mm-Ring	ZA511
6.0mm-Ring	ZA521



### MICROWAVE SHORT PROTECTOR DIODE

Ends	Code
Diode Only	HV6X2P
6mm To 6mm	ZA530



### MICROWAVE DIODE SET

Common microwave replacement set. HV6X2P & HV05-12  
Supplied already wired with connectors (6mm).  
eg. Replacement for SHARP FHD ZA017 WREO

Code
ZA018



### MICROWAVE SHORT PROTECTOR

Original cabling A606V5110BP  
Diode 2X062H

Code
MWD606



### 75HVP10 DIODE

Original	75-HVP16
Part No	
Power	16KV, 750mA
Code	HD204M



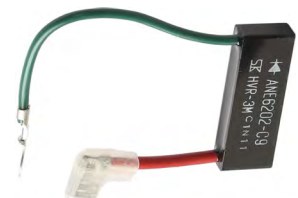
### ANE6202B60AP MICROWAVE DIODE

Code
MWD60



### ANE6202 DIODE

Original	ANE6202-C90 eq to
Part No	ANE6202-F50
Code	MWD90





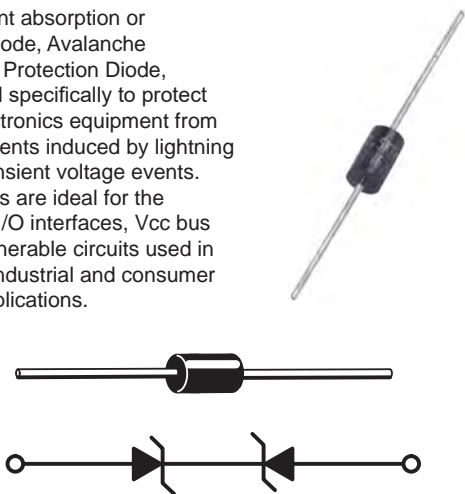
- Transorbs

## TRANSORBS DEVICES

## TRANSIENT VOLTAGE SUPPRESSORS

AKA; Transient absorption or suppressor diode, Avalanche diode, Series Protection Diode, etc. Designed specifically to protect sensitive electronics equipment from voltage transients induced by lightning and other transient voltage events.

These devices are ideal for the protection of I/O interfaces, Vcc bus and other vulnerable circuits used in automotive, industrial and consumer electronic applications.



## MOSORB BI-DIRECTIONAL 1.5KW

Peak Power 1500 Watts @ 1 ms

### ESD Rating of Class 3 (>16 kV)

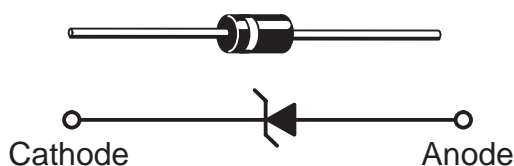
Maximum Clamp Voltage @ Peak Pulse Current

Low Leakage < 5 $\mu$ A Above 10 V

## UL497B for Isolated Loop Circuit Protection

Response Time is Typically  $< 1$  ns

Vmin	Volts	Vmax	I <sub>max</sub>	Code
6.45	6.8	7.14	143	1.5KE6.8CA
17.1	18	18.9	60	1.5KE18CA
190	200	210	5.5	1.5KE200CA



## MOSORB UNI-DIRECTIONAL 1.5KW

Peak Power 1500 Watts @ 1 ms

### ESD Rating of Class 3 (>16 kV)

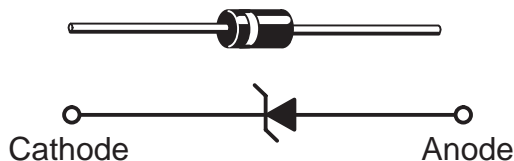
Maximum Clamp Voltage @ Peak Pulse Current

Low Leakage < 5 $\mu$ A Above 10 V

Response Time is Typically  $< 1$  ns

## UL497B for Isolated Loop Circuit Protection

Vmin	Volts	Vmax	I <sub>max</sub>	Code
14.3	15.0	15.8	71	1.5KE15A
22.8	24.0	25.2	45	1.5KE24A
171	180	189	6.1	1.5KE180A
190	200	210	5	1.5KE200A



## MICROSEMI UNI-DIRECTIONAL 5KW

Peak Power 5000 Watts @ 10ms

Power dissipation 5.0 Watts

Maximum Clamp Voltage @ Peak Pulse Current

Low Leakage < 10μA

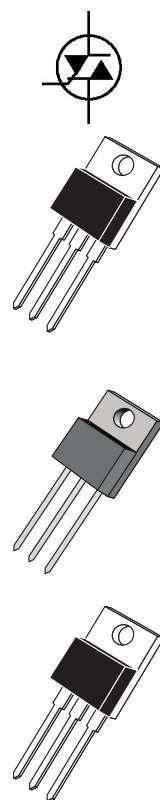
Response Time is Typically  $< 1$  ns

Vmin	Volts	Vmax	I <sub>max</sub>	Code
40.0	36	44.2	86	5KP36A

- Triacs

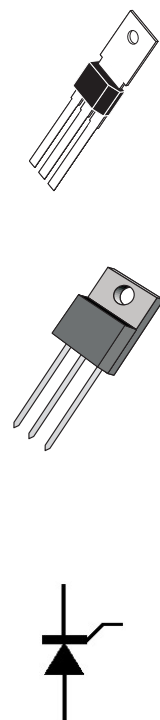
## GENERAL PURPOSE TRIACS

Current	Voltage	Code
4A	400V	BTB04-400
4A	600V	BTB04-600
4A	600V	BT136-600
4A	800V	BT136-800
6A	400V	BTB06-400
6A	600V	BTB06-600
8A	400V	BTB08-400
8A	600V	BTB08-600
8A	600V	BT137-600
8A	800V	BT137-800
10A	400V	BTB10-400
10A	600V	BTB10-600
10A	600V	BTA10-600C
10A	700V	BTA10-700C
12A	400V	BTA12-400C
12A	400V	BTB12-400
12A	500V	BT151-500R
12A	600V	BT151-600R
12A	600V	BTB12-600
12A	650V	BT151-650R
12A	700V	BTB12-700
12A	800V	BT138-800
12A	800V	BT151-800R
16A	400V	BTB16-400
16A	600V	BTB16-600B
16A	600V	BTA16-600
16A	800V	BTA16-800B
16A	800V	BT139-800



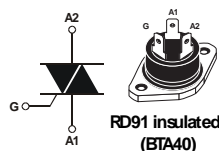
## THYRISTORS, TRIACS and SCRs

Description	Code
THYRISTOR	15-80H
THYRISTOR	15-85R
THYRISTOR 500V 2A	2P5M
SCR 200V 6.4A	2SF248
THYRISTOR 400V 3A	3P4MH
THYRISTOR 400V 5A	5P4M
THYRISTOR 600V 5A	5P6M
TRIAC	AC03E
TRIAC 600V 5A	AC05DGM
TRIAC	AC08DGM
TRIAC 600V 1A	BCR1AM-12
TRIAC 600V 3A	BCR3AM-12
TRIAC 400V 3A	BCR3AM-8
TRIAC 600V 5A	BCR5AM-12
TRIAC 600V 6A	BCR6AM-12L
TRIAC 600V 8A	BCR8PM-12L
THYRISTOR 30V 1A	BR203
400V 0.8A	BRYS55-400
Discontinued use 15-80H	BSTCC0146H
Discontinued use 15-85R	BSTCC0146R
THYRISTOR 500V 5A	BT100
TRIAC 600V 8A	BTA08-600C
THYRISTOR 400V 2A	C106D
THYRISTOR 600V 2A	C106M
TRIAC 400V 0.8A	MAC97A6
TRIAC 6A 400V	SC141D
SCR 200V 2A	SF2D41
SG264 THYRISTOR	SG264
SG613 THYRISTOR	SG613



## TRIAC TO3

Current	Voltage	Code
40A	700	BTA40-700B





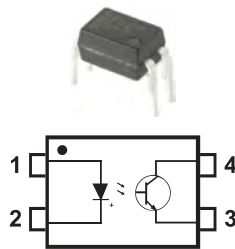


## □ Optocouplers

### PHOTO-OPTOCOUPLER 4 PIN

Suit PC817, PS2501, 2561, TLP421, 521, 621, SFH610, 611, 615, SFH618, 628 H11A817, and more.

**Code**  
K1010

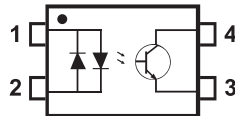


If . . . . 50mA  
Viso . . . 5KV  
Vceo . 60Vrms  
CTR . . 50%  
Ir . . . . 2mA  
Tr . . . . 5μs  
4.6x6.5mm

### PHOTO-OPTOCOUPLER 4 PIN AC

Suit PC814, PS2505, 2565, TLP620, 626, SFH620, LTV814, H11AA814, and more.

**Code**  
K3010

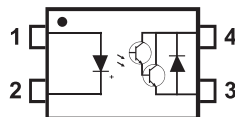


If . . . . 60mA  
Viso . . . 5KV  
Vceo . 60Vrms  
CTR . . 60%  
Ir . . . . 1mA  
Tr . . . . 5μs  
4.6x6.5mm

### PHOTO-OPTOCOUPLER 4 PIN B

Suit PC852, PS2532, TLP523, TLP627, SFH619, and more.

**Code**  
K4010

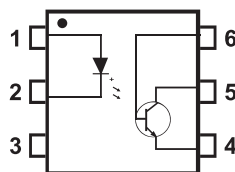


If . . . . 50mA  
Viso . . . 5KV  
Vceo 300Vrms  
CTR . . 600%  
Ir . . . . 1mA  
Tr . . . . 60μs  
4.6x6.5mm

### PHOTO-OPTOCOUPLER 6 PIN

PC4N35, PS2601 4N35, 36, 37, 38, TLP331, 531, 631, SFH600, 601, 608, MCT2, 5210, 5211, H11A1, and more.

**Code**  
4N35

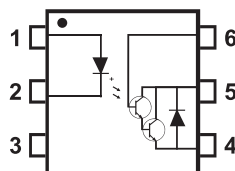


If . . . . 50mA  
Viso . . . 5KV  
Vceo . 60Vrms  
CTR . . 60%  
Ir . . . . 2mA  
Tr . . . . 5μs  
8.5x6.5mm

### PHOTO-OPTOCOUPLER 6 PIN B

Suit PC852, TLP371, IL66-4, H11B1, MOC119, 8020, and more.

**Code**  
K5010

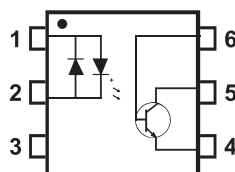


If . . . . 50mA  
Viso . . . 5KV  
Vceo 300Vrms  
CTR . . 600%  
Ir . . . . 1mA  
Tr . . . . 60μs  
8.5x6.5mm

### PHOTO-OPTOCOUPLER 6 PIN AC

PC733, PS2605 TLP330, 630, H11AA1, 2, 3, 4, IL250, 251 IL252, 255, and more.

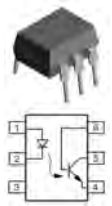
**Code**  
K6010



If . . . . 50mA  
Viso . . . 5KV  
Vceo . 60Vrms  
CTR . . 60%  
Ir . . . . 1mA  
Tr . . . . 5μs  
8.5x6.5mm

### PHOTO-OPTOCOUPLERS - VISHAY OEM

Isolation V	O/P Device.	I/TX%	BV CEO	Code
1775	Transistor	20	30	4N25
1060	Transistor	20	30	4N26
350	Transistor	10	30	4N28
500	Transistor	500	30	4N33
500	Transistor	100	30	4N35
500	Transistor	100	30	4N36
1770	Transistor-H.V	10	80	4N38A



### PHOTO-OPTOCOUPLERS - PANASONIC OEM

Original replacements

Equiv.	Code
Panasonic	ON3105

Equiv.	Code
CNC1S101	ON3131
CNC1S171	ON3171



### PHOTO-OPTOCOUPLERS - SHARP OEM

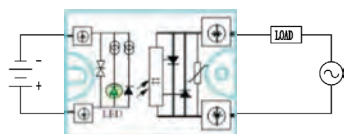
Code
PC111S
PC113
PC120
PC123
PC714
PC813
PC814
PC816
PC817

PC121FY substitute to PC123.



### PHOTO-OPTOCOUPLER 40A 250VAC

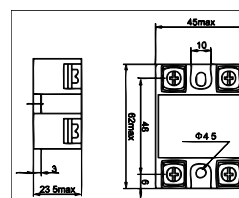
Coil	3-32Vdc 12mA
Type	SPST
Vmax	250Vrms
Amax	40Arms
Size	45x58x16mm
Code	KSD240AC8



### PHOTO-OPTOCOUPLER 40A 480VAC

Single pole single through solid state switch.  
Trigger input 3 to 30V DC with LED indicator.

Coil	3-32Vdc 12mA
Type	SPST
Voltage	90-480V AC
Amax	40Arms
Size	62x45x24mm
Code	SSR-40

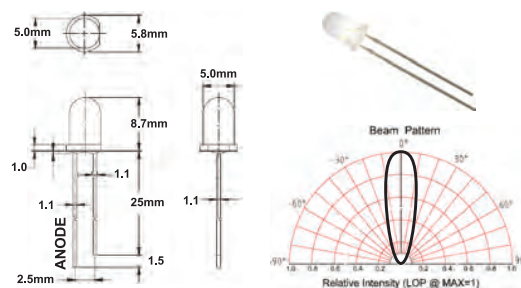




## LEDs

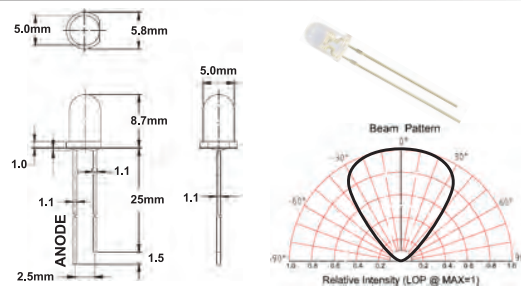
### 5MM NARROW 10-15 Degrees

Colour	Voltage	Luminance (mcd)	Code
Red	1.9 - 2.5	2000 - 4500	LED524RD
Red	1.9 - 2.5	8000 - 11000	LED581RD
Orange	1.9 - 2.5	2000 - 4500	LED524OR
Yellow	1.9 - 2.5	2000 - 4500	LED524YL
Yellow	1.9 - 2.5	8000 - 11000	LED581YL
Blue/Green	2.9 - 3.5	8000 - 11000	LED581BG
Green	2.9 - 3.5	8000 - 11000	LED581GN
Blue	2.9 - 3.5	2000 - 4500	LED524BLU
Blue	2.9 - 3.5	6000 - 9000	LED569BLU
White	2.9 - 3.5	4000 - 7000	LED547WH
White Warm	2.9 - 3.5	6000 - 9000	LED569WWH
White	2.9 - 3.5	10000 - 12000	LED51012WH
White	2.9 - 3.5	15000 - 18000	LED51518WH
White	2.9 - 3.5	16000 - 21000	LED51621WH



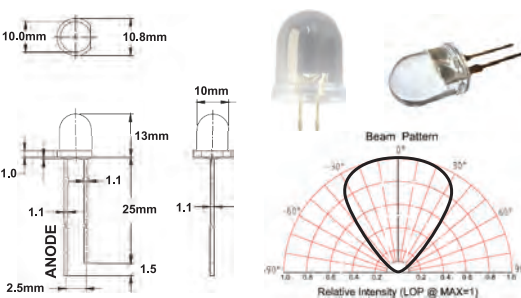
### 5MM WIDE 40-50 Degrees

Colour	Voltage	Luminance (mcd)	Code
Red	1.9 - 2.5	2000 - 3000	LED523RD
Yellow	1.9 - 2.5	2000 - 3000	LED523YL
Orange	1.9 - 2.5	1000 - 2000	LED512OR
Amber	1.9 - 2.5	1000 - 2000	LED512AMB
Green	2.9 - 3.5	4000 - 5000	LED545GN
Blue	2.9 - 3.5	2000 - 3000	LED523BLU
White	2.9 - 3.5	2000 - 3000	LED523WH
White	2.9 - 3.5	5000 - 7000	LED557WH



### 10MM LARGE 30-40 Degrees

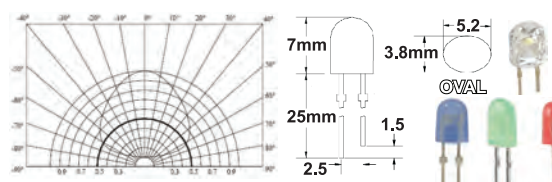
Colour	Voltage	Luminance (mcd)	Code
Red	1.9 - 2.5	2000 - 4500	LED1024RD
Red	1.9 - 2.5	8000 - 11000	LED1081RD
Orange	1.9 - 2.5	2000 - 4500	LED1024OR
Yellow	1.9 - 2.5	2000 - 4500	LED1024YL
Yellow	1.9 - 2.5	8000 - 11000	LED1081YL
Green	1.9 - 2.5	500 - 2500	LED1002GN
Green	2.9 - 3.5	6000 - 9000	LED1069GN
Blue	2.9 - 3.5	2000 - 4500	LED1024BLU
Blue	2.9 - 3.5	6000 - 9000	LED1069BLU
White	2.9 - 3.5	4000 - 7000	LED1047WH
White	2.9 - 3.5	8000 - 11000	LED1081WH



### 5MM OVAL 110-120 Degrees

#### OVAL TYPE 3.8x5.2mm

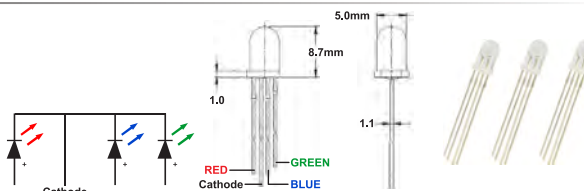
Colour	Voltage	Luminance (mcd)	Code
Red	1.9 - 2.2	400 - 500	LED5OVRD
Green	3 - 3.6	2000 - 2400	LED5OVGN
Blue	3 - 3.6	500 - 700	LED5OVBLU
White	3 - 3.6	2000 - 2500	LED5OVWH



### 5MM MULTI 40-50 Degrees TRI-COLOUR LED

#### RED, GREEN, BLUE

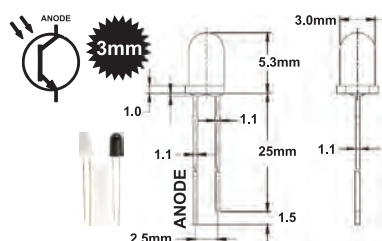
Colour	Voltage	Luminance (mcd)	Code
Red,	1.9 - 2.5 (R),	2000 - 4500 (R),	LED5RGB9
Green,	2.9 - 3.5 (G),	4000 - 7000 (G),	
Blue	2.9 - 3.5 (B)	4000 - 7000 (B)	



### 3MM PHOTO TRANSISTOR RECEIVER

Infra-Red, etc.  
Vce Max 5V  
Dark 100µA Light 20mA

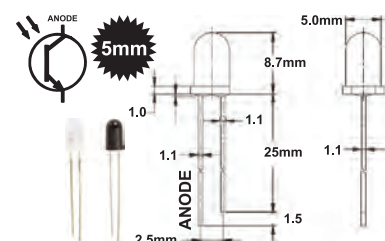
Colour	Code
Black	IRR34D
Clear	IRR34C



### 5MM PHOTO TRANSISTOR RECEIVER

Infra-Red, etc.  
Vce Max 5V  
Dark 100µA Light 20mA

Colour	Code
Dark	IRR53D
Clear	IRR53C







## □ LEDs and Photo-Optics

### 2mm TIP LED

Colour	Code
RED	LED2R
GREEN	LED2G



### 3mm LED

Colour	Code
RED	LED3R
GREEN	LED3G
YELLOW	LED3Y

High Bright - See Below



### 3mm BRIGHT LED

Colour	Description	Code
RED	850 mCd	LED3BR
GREEN	500 mCd	LED3BG
YELLOW	500 mCd	LED3BY



### 4mm LED

Colour	Code
GREEN	LED4G
YELLOW	LED4Y



### 5mm LED

Colour	Code
RED	LED5R
GREEN	LED5G
YELLOW	LED5Y

Diffused Bezel



### 5mm SUPER BRIGHT

Colour	Description	Code
RED	350 mCd	LED5BR
RED	850 mCd	LED5SBR
RED	1800 mCd	LED5UBR
GREEN	200 mCd	LED5BG
YELLOW	660 mCd	LED5BY
YELLOW	900 mCd	LED5SBY

### 8mm YELLOW LED

Colour	Code
Yellow	LED8Y



### 2x5mm LED

Colour	Code
RED	LED25R
GREEN	LED25G
YELLOW	LED25Y



### 3mm GREEN / RED

Code
LED3GR



### 3mm GREEN / RED

(Both=Yellow)

Code
LED3GRY



### 5mm GREEN / RED

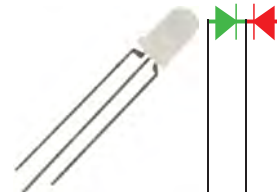
Code
LED5GR



### 5mm GREEN / RED

(Both=Yellow)

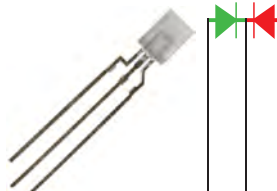
Code
LED5GRY



### 2x5mm GREEN / RED

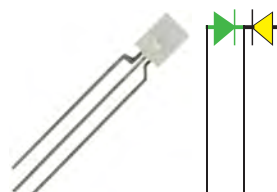
(Both=Yellow)

Code
LED25GRY



### 2x5mm GREEN / YELLOW

Code
LED25GY



### 5mm 2Hz FLASHING DIODE

2-15Vdc

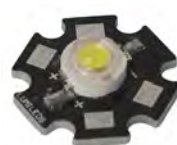
Colour	Code
Green	LED5GF
Red	LED5RF



### 1W LED

3V 100mA  
20mmØ x7mm

Code
LUX1W



### LED PANEL MOUNT CLIP

Suit 5mm LED's.

6.2mm bezel with locking washer for a more secure hold of the LED to the panel assembly (2.8mm max thick).



Code
MTG5

### CHROMIUM BEZEL 12V

5mm LED with resistor.  
Suit 8mm diam' hole.  
Chrome 10mm diam.

Colour	Code
Red	PL6R
Green	PL6GN
Yellow	PL6YL
Empty	MTG5CHRM



### CHROMIUM BEZEL 3MM LED

Chromium bezel supplied WITHOUT an LED.  
Compatible with most common 3mm LEDs.  
Remove the plastic back to insert the LED.  
Panel mounting hole is 6mmØ

Code
MTG3CHRM



### IR EMITTER DIODE

As used in remote controls etc.



Code
CQY89

### IR RECEIVER DIODE

Receiver	FOV	Equiv.	Code
940nm (IR)	65°	PH310	PN323
900nm (IR)	70°	PH302	PN313



### IR RECEIVER

#### PHOTO TRANSISTOR

Infra-Red, etc.  
Vce Max 5V  
I dark 100µA  
I light 20mA

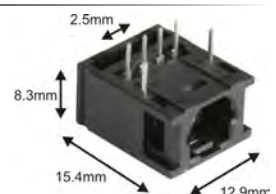


Size	Colour	Code
3mm	Clear	IRR34C
3mm	Black	IRR34D
5mm	Clear	IRR53C
5mm	Dark	IRR53D

### TOSLINK PCB

#### I/O MODULE

Toshiba OEM  
Suit Fibre Optic  
Cable HiFi  
Code TOTX173





## □ Photo Sensors

### IR DIODE

Size 3mm  
Code LN68



### IR SENSOR

Original RHPX0176GEZZ,  
Part No RHPX0053GEZZ  
Size 3mm  
Code PX0176



### IR INTERRUPT SENSOR

Original RHPX0252GEZZ  
Part No  
Code PX0252



### IR DIODE

Size 4.5mm  
Code LN58



### IR REFLECTIVE SENSOR

Original 513-194D  
Part No RH-PX0218  
Size 4mmØ  
Code LN3194



### IR INTERRUPT SENSOR

Original JVC PU61433,  
Part No Philips 4822 2099 0487  
Code PU61433



### BI-DIRECTIONAL IR DIODE

Size 4mm  
Code LN59



### IR REFLECTIVE SENSOR

Original RH-PX0042  
Part No  
Size 4mmØ  
Code PX0042



### IR INTERRUPT SENSOR

PCB Stand-off 12mm.  
LED & Photo-transistor.  
Code PS5705



### BI-DIRECTIONAL IR DIODE

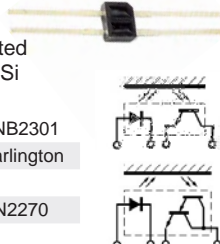
Original RH-PX0039GEZZ  
Part No  
Size 4.5mm  
Code PX0039



### IR REFLECTIVE SENSOR

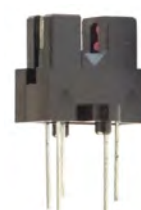
GaAs infrared light emitting diode integrated with a high sensitivity Si photo transistor

Equiv. CNB1302 CNB2301  
Type Transistor Darlington  
Size 2.6x3.3mm  
Code ON2170 ON2270



### IR INTERRUPT SENSOR

Description Small  
Size 4mm Gap  
Code PU60271



### PHOTO TRANSISTOR

Size 3mm  
Code PN268-R



### IR REFLECTIVE SENSOR

Size 6.5x6.5x4.8mm  
Code PS6002A



### IR INTERRUPT SENSOR

OEM ON1317  
Suit HR-D300, etc.  
Code PU58879



### IR TRANSISTOR

Size 5mm  
Code PN150



### IR INTERRUPT SENSOR

Original RHPX0238GEZZ  
Part No  
Size 3mm Gap  
Code PX0238



### IR INTERRUPT SENSOR

JVC & Sharp. Two diodes and photo-transistors for hall effect positioning.

Size 4mm Gap  
Code PU55827



### IR TRANSISTOR

Size 3mm  
Code PN202S-R



### IR INTERRUPT SENSOR

Description Very Small  
Size 3mm Gap  
Code PU60629



### IR INTERRUPT SENSOR

2x Diodes & 2x Transistors

Size 4mm Gap  
Code PU57650







## □ Tools & Service Aids

### PRESS-TO-RESEAL PLASTIC BAGS

Clear plastic with write-on label. Order One To Receive A Bag Of One Hundred.

#### 250x140mm Large

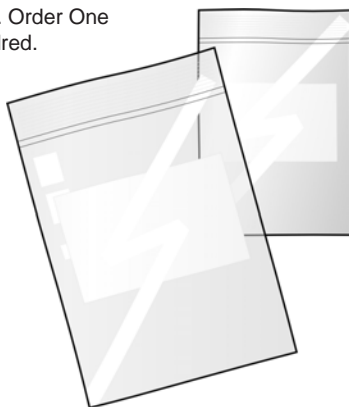
Pack of	Code
100	PB2514

#### 170x100mm Medium

Pack of	Code
100	PB1710

#### 120x80mm Small

Pack of	Code
100	PB128



### FARADAY ANTI-STATIC BAGS

#### STATIC SHIELDING STATIC DISSIPATIVE 100 BAGS PER PACK

Industry standard tinted static bags. Metalised and 40% transparent. Heat sealable. Non-tear polycarbonate. Creates a Faraday cage envelope to protect contents from static fields. Order one to receive a bag of 100.



Size	Pack of	Code
100x150mm	100	ASB46
150x200mm	100	ASB68
200x300mm	100	ASB812
250x350mm	100	ASB1014
300x400mm	100	ASB1216
375x450mm	100	ASB1518

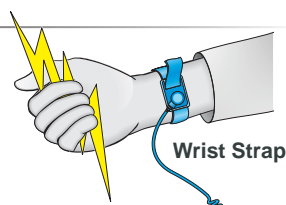


### ELECTROSTATIC

Don't zap things!

See Section 07

TOOLS & TEST EQUIPMENT



### PLCC IC EXTRACTOR

For those delicate ICs with pins on all sides. This extractor first hooks under the diagonal corners then pulls upward evenly, removing the package without damage.



Code
CY850

### SMD PICKUP TOOL

Helps lift & remove SMD ICs, etc. HANDLE supplied with Small wire. Suit SMD Rework Stations.

Type	Code
Handle	B1438
Small	B1439
Large	B1440



### SOLDERING TOOLS

Contains 6 double sided tools designed to carry out repairs professionally & quickly. Suitable for surface mount applications.

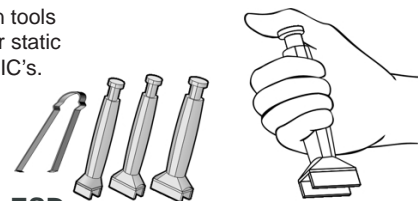


Code
SA10

### IC TOOL SET

Consists of three insertion tools and one extraction tool for static free handling of sensitive IC's.

Code
ICT4



### IC STRAIGHTENER ESD

#### ANTI-STATIC

Double sided for LSI and ICs. Bends vertical so pins align. Ground terminal.

Code
ICS-01

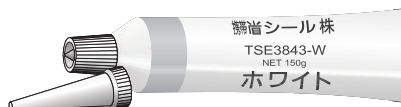


## □ Tools & Service Aids

### HEAT TRANSFER COMPOUND SETS HARD

AS USED BY MOST ORIGINAL MANUFACTURERS

Size	Code
150g	TSE3843W



NOTE: SETS HARD LIKE GLUE.

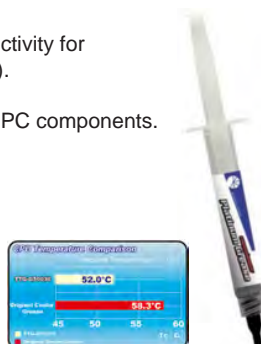
### PLATINUM THERMAL GREASE

#### NON-SILICONE PASTE

- Low thermal resistance and high conductivity for superior heat transfer (0.018 °C-in<sup>2</sup> / W).
- High stability and reliability.
- Apply to CPU, VGA, Chipset and other PC components.
- Compliance with RoHS requirements.

Weight	3.0g
Colour	Grey
Specific Gravity	2.5 g/cm <sup>3</sup>
Thermal Conductivity	3.5 W/m-°C
Thermal Resistance	0.018 °C - in <sup>2</sup> / W

Size	Code
3.0g	HTC03



### SILICONE HEAT COMPOUND

Heat Transfer Compound  
General Purpose

Size	Code
10g	SIL10
150g	SIL150



### SILICONE HEAT COMPOUND

HANDY SYRINGE APPLICATOR  
Quality heat transfer compound.

Size	Code
25ml / 50g	SIL50



### NON-SILICON HEAT COMPOUND

Easy, no mess application.  
Supplied in syringes

Size	Code
1.5g	HTC015
10ml	RF44
35ml / 70g	HTC35SL



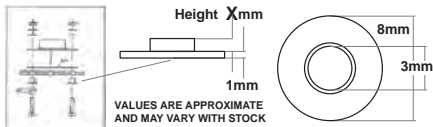


## Hardware

### INSULATOR WASHERS M3

Heat resistant plastics. Suit most transistor and IC mountings. Outer lip dimensions may differ slightly from stock.

**NOTE: ORDER ONE TO RECEIVE A PACK OF TEN**



#### 1.5mm WASHER

Pack of Code  
10 YC13



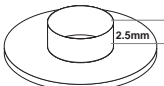
#### 2.0mm WASHER

Pack of Code  
10 YC31



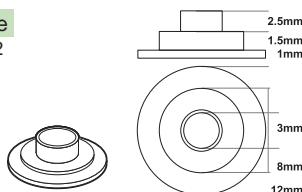
#### 2.5mm WASHER

Pack of Code  
10 YC10



### STEPPED WASHER

Pack of Code  
10 YC12



### MOUNTING HARDWARE M3

Miscellaneous Nuts & Bolts suitable for heat sink applications.

#### METAL SCREW

Pack of Code  
10 YC81



#### POLY SCREW

Pack of Code  
10 YC80



#### METAL NUT

Pack of Code  
10 YC85



#### POLY NUT

Pack of Code  
one M3-NYNUT



#### SPRING WASHER

Pack of Code  
10 YC84



#### TAGGED WASHER

Pack of Code  
10 YC86



#### PUSH-ON NUT

Pack of Code  
10 YC87



**NOTE: ORDER ONE TO RECEIVE A PACK OF TEN**

### MICA WASHER

Heat resistant washers for transistor and IC placement. Don't forget the Silicone heat compound. Its important! Outer dimensions may differ slightly on stock.

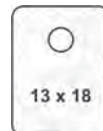
**NOTE: ORDER ONE TO RECEIVE A PACK OF TEN**

Pack of Code  
10 YC18



12 X 3

Pack of Code  
10 YC16



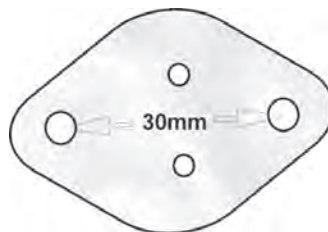
13 x 18

Pack of Code  
10 YC35

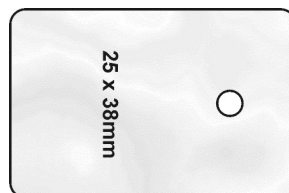


20 x 26

Pack of Code  
10 YC41

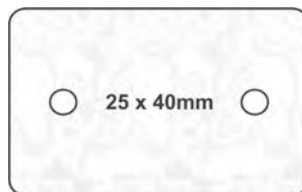


Pack of Code  
10 YC23



25 x 38mm

Pack of Code  
10 YC90

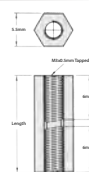


25 x 40mm

### M3 NYLON SPACER

#### M3 THREADED THROUGH

Length	Code
6mm	M3-6HP
9mm	M3-9HP
12.7mm	M3-12HP
20mm	M3-20HP



#### M3 THREADED BOLT AND SOCKET

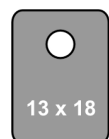
Length	Thread	Code
6mm	4mm	M3-6TP
9mm	6mm	M3-9TP
18mm	6mm	M3-18TP
22mm	6mm	M3-22TP



### SILICONE WASHER

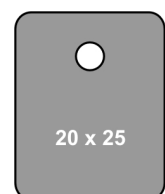
High thermal conductivity  
0.3mm Grey 210°C 4KV  
**NOTE: ORDER ONE TO RECEIVE A PACK OF TEN**

Pack of Code  
10 SIL160



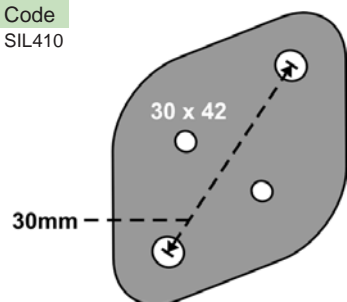
13 x 18

Pack of Code  
10 SIL350



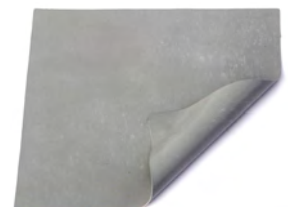
20 x 25

Pack of Code  
10 SIL410



**SILICON HEAT SHEET 10cm²**  
Cut to size. 100x100x0.3mm

Code SIL100

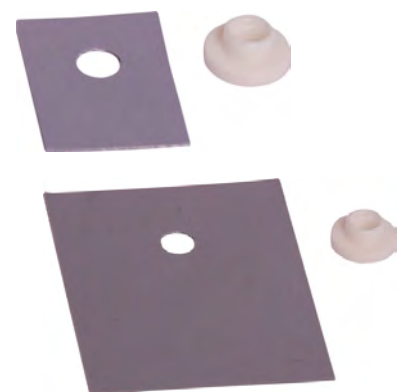


### ADHESIVE SILICONE KITS

**ORDER ONE TO RECEIVE A PACK OF TEN**

New adhesive silicon washers now available simplifying installation. Complete insulating kits include washers and bushes for mounting 10 devices (2 bushes per TO-3).

Pack of	Size	Code
10	TO126	ASIL-126
10	TO220	ASIL-220
10	TO3	ASIL-TOP3







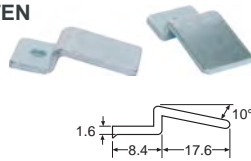
## Hardware

### TRANSISTOR CLAMP

ORDER ONE TO RECEIVE A PACK OF TEN

Clamps a single flat-pack device to a heatsink. Mounting hole 3.2mm.

Type	Size	Pack of	Code
TO-220	26mm	10	CLP8417

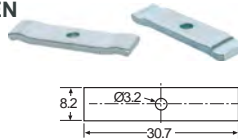


### TRANSISTOR CLAMP DUAL

ORDER ONE TO RECEIVE A PACK OF TEN

Clamps two TO-220 devices to a heatsink.

Type	Size	Pack of	Code
TO-220	8x30mm	10	CLP8232



### TRANSISTOR CLAMP SPRUNG

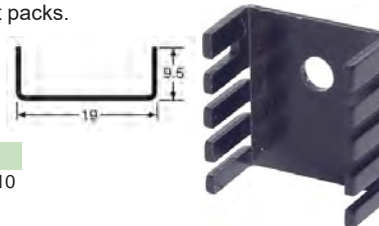
Clamps 2 transistor packages onto a heatsink. Mounts via a 4mm bolt. Two sizes available.

Type	Size	Code
TO-220	6x20mm	CLP621
TO-128, TOP3	8x28mm	CLP827



### HEATSINK MICRO-U

To suit TO-126 or TO-220 flat packs. Thermal resistance: 28°C/W.



Type	Size	Code
TO-220, TO-126	10x19x19mm	HSK1910

### HEATSINK MICRO-U PCB

PCB MOUNT

Use with TO-220 package transistors. Features base tabs for PCB location. Thermal resistance: 19°C/W.

Type	Size	Code
TO-220, TO-126	25x12x30mm	HSK2530

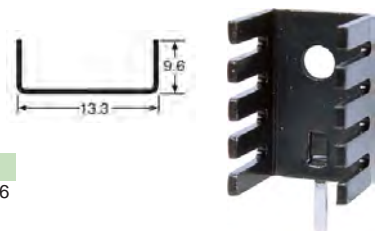


### HEATSINK MICRO-U PCB

PCB MOUNT

Single PCB pin. Overall length = 19mm. Thermal Res: 24°C/W

Type	Size	Code
TO-220	13x10x19mm	HSK1396

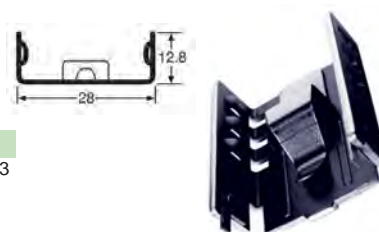


### HEATSINK MINI-U CLIP

PCB MOUNT

Clip hold flat pack. Thermal Res: 15°C/W. Height off PCB 37mm

Type	Size	Code
TO-220	28x13x37mm	HSK2813



### HEATSINK U UNIVERSAL

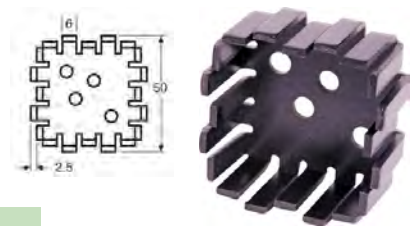
Universal holes suit most transistors.



Size	K	Code
28-31x34x61mm	6°C/W	HSK3128
32-35x30x25mm	10°C/W	HSK3532

### HEATSINK TO-3

Thermal resistance: 5°C/W. Drilled to suit TO-3 case.

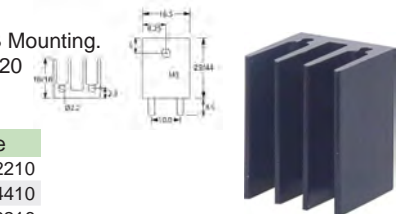


Type	Size	Code
TO-3	50x50x25mm	HSK5025

### HEATSINK FINS TO-220

PCB MOUNT

Includes PCB Pins for PCB Mounting. M3 mounting hole for TO-220

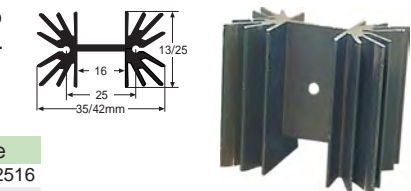


Size	K	Code
10x22x17mm	30°C/W	HSK2210
10x44x17mm	15°C/W	HSK4410
16x22x17mm	19°C/W	HSK2216
16x44x17mm	8.5°C/W	HSK4416

### HEATSINK FINS TOP-3

PCB MOUNT

Suitable for flat packs up to TOP-3 size. Vertical mount. Includes 2 PCB pins

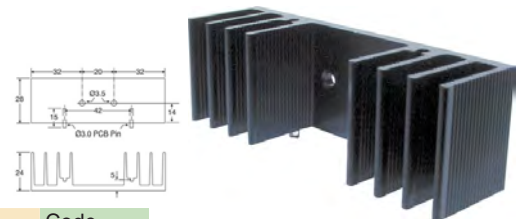


Size	K	Code
25x13x35mm	17°C/W	HSK2516
50x13x35mm	8.5°C/W	HSK5016
38x25x35mm	7.5°C/W	HSK3816

### HEATSINK FIN 1U

PCB PINS

1U Height. Two transistor mounting holes.



Size	K	Code
24x28x84mm	5°C/W	HSK2884

### HEATSINK HEAVY-DUTY

Tongue and grooved ends enabling 'ganging' of heatsinks together.



Size	K	Code
72x110x33mm	2.2°C/W	HSK3372
100x110x33mm	1.3°C/W	HSK33100



## □ DIY

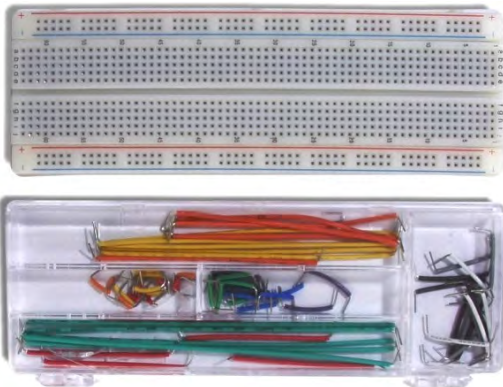
## □ PCB & Breadboards

### PROTOTYPE BREADBOARD KIT

#### WITH WIRE KIT

Solderless terminal stripboard with standard spacing for designing & experimenting with electronic circuits, etc. Horizontal strips for power and vertical for IC & component insertion. Includes pre-cut jumper lead kit in an easy storage container. 2.45mm spacing. 630+20 terminal holes. 55x165mm. Adhesive back.

Code  
U21J

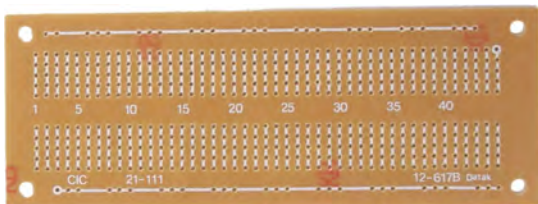


### PROTOTYPE PCB BREADBOARD TYPE

#### VERTICAL STRIPS AND HORIZONTAL RAILS

High quality, pre-drilled printed circuit boards for experiments, prototypes, one-off projects, etc. Modelled on the common prototype breadboard design for easy transferring of your design. All use 0.9mm drilled, 2.45mm spacing (10th").

Size Code  
130x47mm PCB111

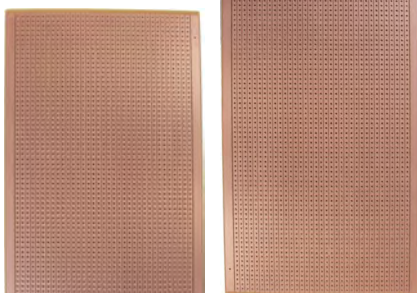


### UNIVERSAL PROTOTYPE PCB STRIPBOARDS

#### FULL LENGTH TRACKS

High quality, pre-drilled printed circuit boards for experiments, prototypes, one-off projects, etc. All use 0.9mm drilled, 2.45mm spacing (10th").

Size Code  
250x100mm PCB119  
160x100mm PCB118

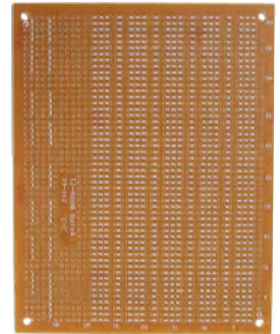


### UNIVERSAL PROTOTYPE PCB DIP PACKAGE TYPE

#### LARGER PROJECTS WITH ICS & COMPONENTS

Tracks split into groups of four, two and one. Ideal for IC placing. High quality, pre-drilled printed circuit boards for experiments, prototypes, one-off projects, etc. All use 0.9mm drilled, 2.45mm spacing (10th").

Size Code  
140x110mm PCB112

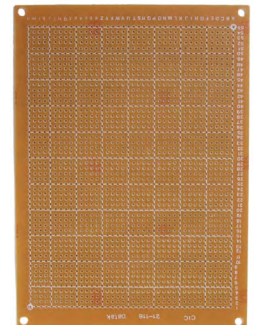


### UNIVERSAL PROTOTYPE PCB MATRIX TYPE

#### SOLDER POINTS - NO TRACKS

This prototype board has no tracks as such, just solder points around each and every hole. All use 0.9mm drilled, 2.45mm spacing (10th"). High quality, pre-drilled printed circuit boards for experiments, prototypes, one-off projects, etc.

Size Code  
160x115mm PCB116

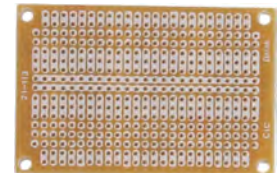


### UNIVERSAL PROTOTYPE PCB MINI BREADBOARD

#### COMPACT IC DEVELOPMENT

High quality, pre-drilled printed circuit boards for experiments, prototypes, one-off projects, etc. All use 0.9mm drilled, 2.45mm spacing (10th").

Size Code  
72x47mm PCB113

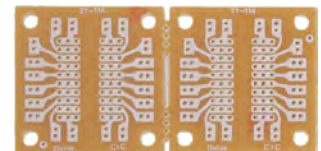


### UNIVERSAL PROTOTYPE PCB SINGLE DIP TYPE

#### 20 PIN IC / COMPONENT BREAKOUT

High quality, pre-drilled printed circuit boards for experiments, prototypes, one-off projects, etc. All use 0.9mm drilled, 2.45mm spacing (10th").

Size Code  
45x45mm x2 PCB114



### TAG STRIPS

#### SOLDER TERMINALS

Fibreglass with 5mm solder tags spaced 5mm. For making your own small circuits. Screw fixing.

Tags Length Code  
6 60mm TAG6  
8 80mm TAG8







## Amplifier Modules

### 2X 50W AMPLIFIER BOARD CLASS-D DIY

#### STEREO 50W TDA7492 DUAL BTL

Class-D Digital Audio Amplifier with high quality sound and high power output. This small compact amplifier board is ideal for applications where high power is required in a limited space. Overall sound output is very pleasant and easy to listen to for extended periods.

- Class D = 2 x 50Wrms @6Ω (Optimised) 24Vdc,
- 2x 40Wrms @8Ω 25Vdc, 2x 20Wrms @8Ω 18Vdc
- Gain = 33.6dB, see datasheet for further specifications
- 90% Efficient STMicroelectronics TDA7492 chip
- Operating voltage and current: 10VDC – 26VDC, 4A max.
- Short-circuit and over-temperature protection
- Heat-sink included
- Size: 71x60x18.7mm

Power Code  
2x50W DAA250



### 2X 15W AMPLIFIER BOARD CLASS-T DIY

#### STEREO 15W TRI-PATH WITH VOLUME

Amp module utilizes a Class-T Tripath TA2024 audio chip to produce incredible fidelity and efficiency. Patented Class-T amplifiers offer both the audio fidelity of a Class-AB amplifier and the power efficiency of a Class-D amplifier. Add a 12 VDC 2A power supply to this complete PCB, and install smooth, clean audiophile sound almost anywhere. Stereo (x2) at 15Wrms per channel.

- Features Tripath TA-2024 IC
- 15W/ch continuous power
- Limitless application possibilities
- Main board measures 68 x 33mm

Watt	15W (x2)
THD	0.1% (10W)
Efficiency	90%
Input	Line Level
Power	12Vdc 2A
Size	20x50mm
Code	DTA2



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### 2X 10W AMPLIFIER BOARD CLASS-D DIY

#### STEREO 10W PAM8610 WITH VOLUME

This is a high performance compact CMOS digital audio power amplifier operating with 90% efficiency. It ensures high quality sound reproduction and with Class-D amplification, it produces reasonably good high power output for its miniature size. 10Vdc to 16Vdc 4Amax.

- Suitable for compact DIY project integration
- 2x 10W continuous power outputs @ 8 ohms
- Cool operation, no heat-sink required
- No larger than a matchbox, but with very good, clear and crisp output
- Size: 33.6mm x 40.3mm x 15mm
- Built-in volume control

Power Code  
2x10W DAA210



### USB INTELLIGENT CHARGE MODULE DIY

#### 120-250VAC INPUT SCREW TERMINALS

Installer solution for powering USB devices where a hard wired PCB offers the best option.

- Dual port smart USB charger
- Output: 5A total
- Universal AC Input: 120-250V
- Screw terminal input
- Has SAA approval
- For professional installers.
- Size: 75x52x20mm

Code  
NXT4405



### 2X 11W AMPLIFIER BOARD CLASS-AB DIY

#### 22W BRIDGED (4Ω) - 11W BRIDGED (8Ω) - 5.5W STEREO (4Ω)

This is a pre-built dual audio power amplifier module and can operate from 9Vdc to 25Vdc (12V-18V Nom) making the EP22 suitable for use in many different replacement or project applications. At 13.2V the IC draws about 2A full volume. Very compact at only 32 x 36 x 20mm. The IC tag is earthed so it mounts direct to the chassis or heatsink (required but not supplied). Heat dissipation is around 25W. The IC is a genuine Toshiba Chip boasting impressive performance and phenomenal device protection! (Over voltage, Thermal, Short circuit, etc.) This incredible little module operates in high power BTL mode for a mono output of 22Wrms into 4ohm (11W into 8ohm), or can be quickly modified to operate in stereo mode giving 5.5W x2 into 4ohm (requires the addition of 2x 1000µf isolation capacitors). Changing the gain resistors will enable any sensitivity on the input, from mic to CD (pre-set to line level input). You will find the EP22 easy to set up, efficient and stable. Supplied wired in BTL mode, includes instructions. May require additional components depending on application.

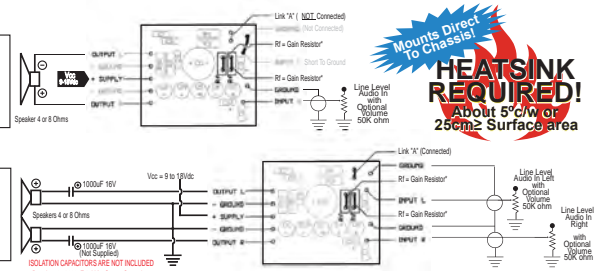
- TA7280P
- 9V - 25Vdc max
- 12V-18Vdc Nom.
- Stereo 5.8Wrms
- (Requires Isolation Caps)
- BTL Mono 22Wrms
- Requires Heatsink
- Line Level I/P
- Change gain
- 32x36x20mm

Code  
EP22



**HIGH POWER BTL  
MONO OPERATION  
22Wrms (4ohm)**

**STEREO MODE  
5.8W X2 INTO 4 ohm**  
For this mode you have to  
make some modifications:



**HEATSINK  
REQUIRED!**  
About 5°C/W or  
25cm² Surface area



## Bluetooth Audio Amplifiers DIY

### KAB 2X 50W AMPLIFIER BOARD CLASS-D DIY WITH BLUETOOTH

#### BLUETOOTH 4.0 RECEIVER BUILT-IN DAYTON AUDIO

The extremely versatile Dayton Audio KAB-250 Bluetooth Amplifier Board allows for quick and easy addition of audio to any project, speaker build and any installation where audio enhances the experience.

Wireless connectivity is built-in. With an impressive output of 100 watts, there is more than enough power to drive some larger stereo audio in installations and applications where dynamic music output is required.

- High quality power from the efficient TPA3116 Class-D amplifier IC
- Efficient Bluetooth 4.0 with aptX audio built directly into board
- Module includes power and speaker output wiring harnesses 50cm
- Class-D 90% Efficiency plus very low standby power consumption with an advanced power management unit micro controller
- Direct DC input from a power adaptor 12Vdc to 24Vdc or
- Power by battery or optional Li-Ion battery charger solution
- Compact 91x69x23mm with built-in heatsink
- 2x 50W 4Ω (21Vdc 5A) 89.3dB SNR 22Hz-22KHz
- Optional accessories expand the functionality for your project

Code  
KAB-250



DAYTONAUDIO



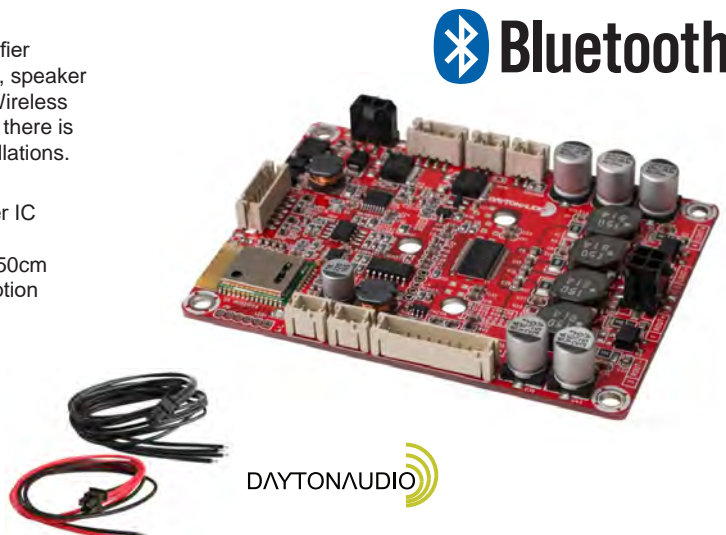
### KAB 2X 30W AMPLIFIER BOARD CLASS-D DIY WITH BLUETOOTH

#### BLUETOOTH 4.0 RECEIVER BUILT-IN DAYTON AUDIO

The extremely versatile Dayton Audio KAB-230 Bluetooth Amplifier Board allows for quick and easy addition of audio to any project, speaker build and any location where audio enhances the experience. Wireless Bluetooth connectivity is built-in. With an output of 2 x 30 watts, there is more than enough power to drive stereo speakers in most installations. The board is also compact to integrate into nearly any project.

- High quality audio from the efficient TPA3118 Class-D amplifier IC
- Efficient Bluetooth 4.0 with aptX audio built directly into board
- Module includes power and speaker output wiring harnesses 50cm
- Class-D 90% Efficiency plus very low standby power consumption with an advanced power management unit micro controller
- Direct DC input from a power adaptor 12Vdc to 24Vdc or
- Power by battery or optional Li-Ion battery charger solution
- Compact 92x68x22mm. No heat sink required\*
- 2x 30W 4-8Ω (19Vdc 4A) 89.3dB SNR 22Hz-22KHz
- Optional accessories expand the functionality for your project

Code  
KAB-230



DAYTONAUDIO



#### High Quality Audio Performance

The Dayton Audio Bluetooth Amplifier Board delivers high quality sound without drawing a lot of power. This is due to the highly efficient Texas Instruments TPA3118 Class-D amplifier chip. The TPA3118 operates at 90% efficiency, thus eliminating the need for a heat sink and reducing overall size. Its high efficiency becomes a major advantage when powering from batteries as it prolongs the playtime of a single charge. With ultra-low distortion and pop-free performance, this hi-fi amplifier board is an integral asset in any quality audio build.

#### Integrated Bluetooth

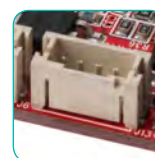
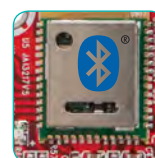
Unlike other amplifier boards, the Dayton Audio KAB series includes a built-in Bluetooth 4.0 module with aptX. The advantage of Bluetooth 4.0 is its low power consumption which prolongs the playtime of battery powered builds. The streaming audio quality rivals that of CDs thanks to the addition of the aptX codec by CSR. The application of this board can be for the hobbyist or installer in applications where the user wants to enjoy the full convenience of pairing and streaming the best quality Bluetooth audio. The KAB series is also CE and FCC ready for certification purposes.

#### Easy Installation

Included with the module are two wire harnesses: one for DC power and the other for connecting to stereo speakers. For many users, these cables are all that is needed to complete a project. Since they have Molex Mini Fit Jr connectors to speed-up installation and create confident a connection, there is no need to solder or troubleshoot loose and unstable contacts. The Dayton Audio KAB series offers a variety of add-on accessories with included connection leads that make installation plug-n-play convenient.

#### Endless Applications

Due to the overall audio performance and built-in Bluetooth, this amp board has almost endless application possibilities. From hobbyists and DIYers to manufacturers and installation organizations this Bluetooth amp board has immense flexibility. Even if you bypass the Bluetooth feature, this amplifier board integrates easily into any application because of its array of included and optional wiring harnesses. Dayton Audio offer a functional and reliable product for your project.



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## Bluetooth Audio Amplifiers Accessories

### KAB FUNCTIONAL CABLES PACKAGE

#### VOLUME / AUX / POWER SW

Use the KAB-FC cables to customise any Dayton Audio KAB project. This four-cable kit comes equipped with connector leads for easy termination to the board. Each cable is 50cm long.

- 3.5 mm AUX-in cable with jack provides a way to play music with non-Bluetooth devices
- External volume control with cable and knob to keep the sound under control
- Battery cable for true portable projects
- On/Off power cable for optional standby switch

Code  
KAB-FC



### KAB INTERFACE EXTENSION BOARD

#### POWER-SW / AUX / USB 2A

This interface board provides a 3.5 mm AUX-in jack. Two USB A female ports for charging external devices. A momentary push button switch that controls the standby function with LED indicators for power and charging status. Includes 50cm interface extension cable so the board easily plugs directly into the KAB boards.

Size: 46x61x25mm

Code  
KAB-INT

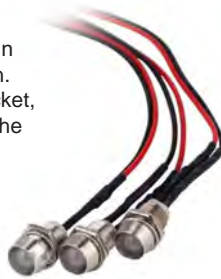


### KAB LED KIT

#### POWER / CHARGE / BLUETOOTH

The KAB-LED light cable kit includes three different status LEDs that are clear when not in use, but when lit they are blue, red, and green. Plug the blue LED into the Bluetooth LED socket, the red LED into the LED power socket, and the green into the charging LED status socket.

Code  
KAB-LED



### KAB ALUMINIUM BRACKET

Dayton Audio's KAB-AB L-shape aluminium bracket is used for securely mounting the KAB amplifier board. Supports vertical and horizontal mounting configurations to satisfy different installation requirements. Includes 4x security screws for mounting the amplifier board to the bracket. 7 precut slots allows you to mount the L-type bracket to your project as needed. 127x76x25mm

Code  
KAB-AB



PCB board not included



### KAB BATTERY EXTENSION BOARD

#### BUILT IN LI-ION CHARGER

The Dayton Audio KAB-BE Li-Ion battery charging board holds three 18650 batteries (sold separately). This charging board has built in under/over voltage protection circuits for safe charging and battery longevity. It balances different voltages between batteries in case one battery discharges faster than the other ones. A 19Vdc 4A - 5A power adaptor works best for charging batteries contained in this board. Additional boards can be sequenced together to provide longer playing time.

Code  
KAB-BE



### BATTERIES TO SUIT KAB-BE

Premium grade 18650 size Li-ion torch battery. Rechargeable with integrated protection circuit. High discharge performance design. 70x19mmØ

Made	Capacity	Code
Japan*	2600mAh	RBLL-3626
Japan*	3100mAh	RBLL-3631
Japan*	3400mAh	RBLL-3634

\*Cells and IC made in Japan, assembled in China.



### OTHER PARTS SUGGESTED

Description	Code
Screw Terminal	MTB832
DC Patch Socket	DCL2119ST



KAB-BE

### POWER SUPPLY RECOMMENDED FOR KAB-BE 90W MAINS POWER SUPPLY

Looking for a suitable power supply for charging and powering your KAB project?  
240Vac to 19Vdc @ 4.5A

Code  
SMP90W





## □ Valve Audio Tubes

### PLATINUM MATCHED PAIRS - 24HR BURN-IN

A new and improved range of tubes have arrived from Russia and claim to rival Mullards and better the classics of old. New materials and technology make these new release valves the best in the world.

www.sovtek.com  
www.wes.com.au



### 300B ELECTRO-HARMONIX GOLD-GRID PAIR

#### 2X PREMIUM MATCHED 24 HOUR BURN IN THEN PAIRED

"The BEST 300B in the world!!!" Ceramic base. Gold plated grid for increased bias stability as well as top of the line sonics and performance. Ultra-long life, high-quality construction and superior sonics with improved performance make it a top choice. Like the original Western Electric 300B, it has the eight course, directly heated filament, 40 Watt plate dissipation, classic large-shoulder tube glass. The 300B EH's plate curves and static DC characteristics (plate resistance, transconductance,  $\mu$ ) also exactly match the original's for confident drop-in replacement in any vintage or modern 300B amplifier. Sold as 24Hr burn-in matching pairs.



Base	Code	Matched
UX4	300B-EH-PL	Pair

### KT66 TUNG-SOL

#### AUDIOPHILE Bluesbreaker

Brand new production version  
"Woman tone at its finest!"  
Rugged large 100mm bottle.  
Big and open. Solid lows.  
Beautiful Smooth treble.  
Top notch audio quality.

Code
KT66TUN



### KT88 ELECTRO-HARMONIX

#### ELECTRO-HARMONIX BEST KT88

A new geometry is utilised to reduce odd order harmonics for a sweet top end while the peak power is extended to improve low frequency response. A new glass formula body ensures long life and improved reliability. The perfect choice when the authentic sound is needed.

Code
KT88EH



### KT88-SV-PL SVETLANA MATCHED

#### Platinum Matched Pair

Reminiscent to Genalex KT88 Gold Lion. Gold-plated molybdenum alloy grid and carbon-coated screen grid for power. This KT88 also substitutes most 6550s! It provides a more pronounced bass and is a much more solid tube.

Code	Matched
KT88SVPL	Pair



## □ Valve Rectifiers

### RECTIFIER VALVES

#### 5AR4 Sovtek

550-0-550V max

Base	Code
Octal	5AR4



#### 5U4-GB Electro-Harmonix

Audio quality Full Wave Rectifier 450-0-450V  
\*5AS4, 5U4, CV575, VT244, VU71

Base	Code
Octal	5U4GB



#### 5Y3-GT Sovtek

An indirectly heated diode.  
Suitable for Audio quality 350-0-350Vrms.  
140mA Max. 5V @ 2.0A Filament

Base	Code
Octal	5Y3GT



#### 6CA4 Electro-Harmonix

Full Wave Rectifier Valve CV3996  
CV5072 EZ81 U709 Vh=6.3V  
Ih=1mA Ir=150mA 350-0-350 RMS

Base	Code
B9A	6CA4



### KT90 ELECTRO-HARMONIX MATCHED PAIR

#### PLATINUM MATCHED PAIR KT88 UPGRADE

The Electro Harmonix KT90-EH tube is a direct replacement for any KT88 or 6550 tube. It has extended specifications for improved performance and longevity over a standard KT88.

Code	Matched
KT90EH	Pair



### KT120 TUNG-SOL MATCHED PAIR

The KT120 is a beam pentode power amplifier with a 60W plate dissipation rating enabling designs for up to 200W push-pull output. Can substitute in existing 6550/KT88/KT90 circuits, impervious to overload, extremely reliable, long life, super-powerful tube. Seated 113x52mmØ

Code	Matched
KT120-PR	Pair







## 6550-EH ELECTRO-HARMONIX MATCHED PAIR

### Platinum Matched Pair

The 6550EH offers excellent linearity, power handling capacity, heat dissipation. Four-pillar construction and mica spacers maintain a rugged mechanical reliability. Classic tone is sustained at a prolonged, high output. New leaded glass compound is utilized to maintain vacuum integrity

Code	Matched
6550EHPL	Pair



## 6L6-GC-SV-PL SVETLANA MATCHED

### PLATINUM MATCHED PAIR/QUAD

GOLD-Plated molybdenum alloy grid and Carbon coated screen grid makes this one of the best, most reliable, efficient, and classic sounding 6L6s Very deep and rich sounding classic.

Code	Matched
6L6GCSVPL	Pair
QD6L6GCSVPL	Quad



## 6550-WE SOVTEK MATCHED PAIR

This valve has been engineered for the discerning audiophile or musician. Receiving rave reviews for its superior tone and sonics. Sold only in matched pairs. The "Platinum" matching service is done in factory and consists of 24Hr tube burn in! Exceptional.

Code	Matched
6550WE	Pair



## 6L6GC-STR TUNG-SOL MATCHED

New production built to withstand higher plate voltages and deliver smooth overdrive and a very musical tone. Rugged and reliable power tube for use in the most demanding guitar amplifier circuits.

Code	Matched
6L6STR	Pair
QD-6L6STR	Quad



## 6550C-SV-PL SVETLANA MATCHED PAIR

### Platinum Matched Pair

Consistent, solid and reliable. The construction of gold-plated molybdenum alloy grid, carbon-coated screen grid makes it one of the best current production 6550 on the market. Audio Research uses them, as does Marshall. Lots of power and plenty of headroom

Code	Matched
6550CSVPL	Pair



## 6L6-EH CLASSIC ELECTRO-HARMONIX

### Electro-Harmonix

Super updated version of the 6L6. Modelled on "RCA Blackplate" classic. Improved grid/plate for high power. Mica spacers & metal springs for no more rattling microphonics. eq.\* 5881 6BG6 6L6GC/GT

Base	Code
Octal	6L6EH



## 6550 TUNGSOL MATCHED

This top quality re-issue tube has triple getters for a smooth extended high end, slightly warm midrange with great imaging, and a tight bottom end.

Code	Matched
6550-TUN	Pair
QD-6550-TUN	Quad



## 6L6-WXT+ SOVTEK

Sovtek Higher Power, 20% higher output than even their 5881-WXT. Mica spacers and metal springs. No rattle microphonics, etc. Superior overall tone tube. Suit guitarists or HiFi. Excellent upgrade reliability. eq.\* 5881 6BG6 6L6GC/GT KT66

Base	Code
Octal	6L6WXT



## 6V6-GT ELECTRO-HARMONIX

Beam power tetrode with a specially developed cathode coating, careful alignment of the grid, tri-alloy plate material for flawless performance up to 475 volts. Perfect for high plate voltage amplifiers like the Fender Deluxe Reverb. Very popular & reliable replacement tube eq.\* 8571, 6AY5, 6P6C, any 6L6, 7184, CV509/510/511.

Base	Code
Octal	6V6GT



## 6L6-WGC / 5881 SOVTEK

### POPULAR MARSHALL REPLACEMENT

Most reliable 6L6 available. Extremely constant production. Popular in Marshall's and others Rigid Mil. Spec. output tube 6.3V@0.88A 250Vx73mA Plate. Popular for its choice in tone Warm round tone that "sweetens"

Base	Code
Octal	6L6WGC





## 6AU6

### SINGLE WIDEBAND PENTODE

Sharp-Cutoff Wideband Amplifier.  
Suit AF, IF & RF Frequencies up to 50MHz.  
USA General Electric JAN-6AU6WC  
B7G Miniature 53x18mmØ  
Equiv. CV2524, CV8403, EF94, 6J4, 6P2

Base Code

B7G 6AU6WC



## 6BL8 ECF80

### NOS - TRIODE + PENTODE

Replaces 6BL8 or ECF80, 6LN8 tube types.  
As used in a some amplifiers like the Playmaster 116/7 with the sharp cutoff pentode as gain following the volume control and the small signal medium-mu triode as a split-load phase inverter.

Base Code

B9A\* 6BL8

New Old Stock. Brand supplied may vary.



## 6BM8 ECL82 ELECTRO-HARMONIX

### 7W TRIODE + PENTODE

The high-Mu triode section is similar to a 12ax7 and the pentode section is similar to a 6v6. Both tubes in one bottle allows for compact amplifiers.

Base Code

B9A 6BM8EH

Manufactured in Russia, early 2000's



## 6BQ5 / EL84 SOVTEK

### O/P PENTODE AF 10W

Vh 6.3, Ih .75, Va 250, Pa 2.2, 10W HiFi AF amp VOX AC30 (Beetles). Popular Sovtek tube As used in Fender, Crate and Peavey.

Base Code

B9A 6BQ5



## 6BQ5 / EL84 ELECTRO-HARMONIX

### DELUXE EL84EH - 6BQ5 PENTODE

Extremely musical with a sound that is rich, smooth, detailed without being edgy. Beautiful! It is the perfect EL84 for any vintage equipment & a sure way to improve the performance of even modern audiophile systems.

Base Code

B9A\* EL84EH

B9A\* EL84EHPL



## 6BY7 EF85

High-slope vari-mu RF pentode.  
May also replace 6F16, 6F26, W719, CV1375, EF805S

Base Code

B9A 6BY7



## 6C45 Pi ELECTRO-HARMONIX

### Brand may change on availability

Russian made pre-amp audio tube.  
Electro-Harmonix or Sovtec branded.  
Ultra-high precision high-MU triode.  
Very high transconductance, incredible linearity, very low noise and low plate resistance. Ideal small signal pre-amp.

Base Code

B9A 6C45PI



## 6CA7 / EL34

### 6CA7 SUBSTITUTES TO EL34 EL34 VALVES NEXT PAGE...



## 6CW5 EL86

### NOS Philips USA\*

Audio pentode for single-ended push-pull output stages 5.6 Watts

Base Code

B9A 6CW5



## 6DJ8 6922 ELECTRO-HARMONIX GOLD

Premium version Electro-Harmonix Longer life better performance Subs 6DJ8 E88 ECC88

Base Code

B9A 6922EH

### GOLD PIN

Base Code

B9A 6922EHG



## 6H30 Pi SOVTEK

### Sovtek "Super-Tube"

Refined Super linear, military spec.  
Mid MU dual triode preamp / driver.  
Sovtek now supply this special OEM tube.  
Suit "Supertube" Balanced Audio Technology.  
As used in the B.A.T. VK-50SE pre-amplifiers.  
Will replace 6H30, 6N30, 6N30P only.  
NOT a direct sub for 6922 ECC88 6DJ8

Base Code

B9A\* 6H30P



## 6JW8 / PCF802 ELEKTRONSKA Si NIŠ

### TRIODE-PENTODE NOS TUBE

Substitute for McIntosh MR-67, MX110 and other tuners and preamps that accept 6JW8, 6U8, ECF82 or 6GH8A.  
Manufactured in Yugoslavia  
Elektronska Ei NIŠ

Base Code

B9A\* PCF802







## 6SL7 SOVTEK

The Sovtek 6SL7 is a very capable replacement for any 6SL7 tube. Good reliability from Sovtek High-MU twin-triode as used in coupling circuits / phase, etc.

Base Code  
Octal 6SL7

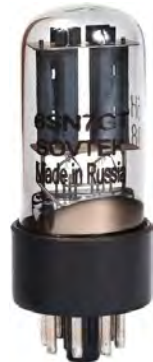


## 6SN7-GT SOVTEK

### TWIN TRIODE PRE-AMP

Premium quality Sovtek GT version. eg. Suit driver for 6L6's, etc. eq.\* CV181, 1986, 1988, 278, ECC32, E1606, VT231, 12SN7.

Base Code  
Octal 6SN7



## 6SN7-EH ELECTRO-HARMONIX

### Electro-Harmonix

The 6SN7EH is a beautiful sounding tube, on par with RCA's red base 5692. It maintains a linear response while being able to accept a full voltage. Vintage amp users and audiophiles will be thrilled to find that a superior quality, ultra low noise replacement finally exists.

Base Code  
Octal 6SN7EH



## 7591A ELECTRO-HARMONIX

### AMPEG OWNERS REJOICE

The once extinct 7591 tube is now available again. The Electro Harmonix 7591A tube is smooth, yet punchy, with a sweet harmonix finish. Large bottle 90mm high. Octal base. 19W. 450V

Base Code  
Octal 7591A



## 12AT7 ELECTRO-HARMONIX

The very dynamic and deep low end response of the long plate EH tube makes it an excellent choice in reverb driver and phase inverter stages. However, use in high gain preamp stages is not recommended due to potential microphonics.

Base Code  
B9A\* 12AT7EH



## 12AU7A ELECTRO-HARMONIX

Low microphonics and excellent linearity offer a musical and harmonic soundstage. Copy of GE 6189, equivalent to the European ECC82 tube and can be used in any 12AU7 or ECC82 circuit.

Base Code  
B9A\* 12AU7A



## 12AX7 SOVTEK

Special Low Noise Edition "...very linear, large full sound stage, very musically detailed...". Classic large plate Mullard design. Excellent HiFi replacement/upgrade

Base Code  
B9A\* 12AX7LPS



## 12AX7 ELECTRO-HARMONIX

High gain, ultra low noise, Spiral filament for no hum. Short plate structure with improved materials result in no microphonics make them ideal for guitar amps, etc. Excellent replacement, nice balanced sounding tube.

Base Code  
B9A\* 12AX7EH



## 12AX7 SVETLANA

New Xpo-Pul Reflector made tube. Solid construction build quality. Not the older "C" type but a new Upgraded to a far better version. Low noise, no microphonics, very clear and open without being too bright.

Base Code  
B9A 12AX7SVET



## 12AX7 TUNGSO

Re-issue upgrade with higher gain, headroom and drive, less noise, less microphonics, not as harsh as a GT or too bright.

Base Code  
B9A 12AX7-TUN

Made in Russia



## 12AX7 MULLARD

The Re-issue Mullard adds virtually no tone colouring and is smoother sounding with very flat response. Ideal home audio.

Base Code  
B9A 12AX7-MUL

Made In Russia





## EL34 ELECTRO-HARMONIX

### Electro-Harmonix Pentode

"Very close sonics to a Mullard"  
Extremely musical with sound that is rich, smooth, highly detailed without being edgy. Sweet mids, deep bass, extended highs. Overall, a well balanced valve. Electrically eq. big-bottle 6CA7

Base Code  
Octal EL34EH



## EL34 MULLARD MATCHED

### PLATINUM MATCHED PAIR/QUADS

New Sensor's re-issue of the famous Mullard EL34 has been considerably smoothed. The overall sound is more balanced and very warm. This is great news for people with something like a Marshall since they are inherently midrangey. The low mids are nicely balanced to prevent any boomy tone.

Code	Matched
EL34-MUL	Pair
QD-EL34MUL	Quad

Made in Russia



## EL34 / 6CA7 - EH BIG BOTTLE

### 6CA7 SUBSTITUTES EL34'S

Designed to exacting specifications of a Philips 6CA7, this classic pentode retains a high detail tone with military reliability as a direct EL34 replacement with higher headroom, etc. Larger bottle tube.

Base Code  
Octal 6CA7EH



## EL34B TUNGSOL MATCHED

### GUITAR AMP POWER PENTODE

A higher impedance EL34 tube design with increased touch responsiveness and a unique clipping characteristic. "When driven into distortion it starts off a bit crunchy like a 6L6 but as you push it, the sound blooms into that singing EL34 tone with great sustain and modest compression."

### SINGLE

Code  
EL34B-TUN-1

### MATCHED

Code	Matched
EL34B-TUN	Pair
QD-EL34B-TUN	Quad



## EL34 JJ BRAND

A very open sounding tube with a little less bass response but with crisper highs than the JJ E34L. It is electrically equivalent to any other EL34.

Base Code  
Octal EL34-JJ

Made In Slovak Republic



## EL34-SV-PL SVETLANA MATCHED

### PLATINUM MATCHED PAIR/QUADS

Smooth midrange sound with plenty of headroom. Gold-plated molybdenum alloy grid and carbon-coated screen grid makes it one of the best current production matched pair EL34's on the market. It's a sturdy tube that can handle heavy use, excellent replacement for Marshall amplifiers, etc.

Code	Matched
EL34SVPL	Pair
QDEL34SVPL	Quad



## E34L JJ BRAND

This tube has all the tonal qualities of the JJ EL34 but it has an extended low end response and is a little punchier and more aggressive.

Base Code  
Octal E34L-JJ

Made In Slovak Republic



## EF86 ELECTRO-HARMONIX

### 6267 MINIATURE PENTODE

High quality low-distortion high-gain audio preamplifier. Low microphonics and low heater hum induction - suitable for input stages in high-gain microphone preamps, phono preamps or as a gain stage in condenser microphones. Electrostatic shield is built-in. Low distortion in pentode or triode connection.

Base Code  
B9A\* EF86EH







## FULL VALVE LISTING

Code	Base	Substitutions	Code	Base	Substitutions
12AT7EH	B9A*	ECC81/801/S B152/309/739 +	6L6EH	Octal	KT66 EL37 5881 6BG6 Blackplate
12AU7A	B9A*	ECC82/186/802/S B329/749 +	6L6GCSVPL	Octal	Matched Pair. Platinum
12AX7EH	B9A*	6L13 B339 B759 ECC83 ECC803 +	QD6L6GCSVPL	Octal	Matched Quad. Platinum
12AX7LPS	B9A*	6L13 B339 B759 ECC83 ECC803 +	6L6STR	Octal	Matched Pair. Platinum
12AX7-MUL	B9A	Re-issue Mullard for home audio	QD-6L6STR	Octal	Matched Quad. Platinum
12AX7SVET	B9A	Xpo-Pul Reflector Version Svetlana	6L6WGC	Octal	KT66 EL37 5881 6BG6 Classic
12AX7-TUN	B9A	Premium Line Stage Upgrade	6L6WXT	Octal	KT66 EL37 5881 6BG6 High-Power
300B-EH-PL	UX4	Matched Pair. Gold. Premium	6SL7	Octal	6113 6H9C/M/S CV1985 VT229
5AR4	Octal	54KU GZ30/33/34/37 R52 U54/77 +	6SN7	Octal	CV181 CV1986,1988 VT231,ECC32
5U4GB	Octal	5AS4, 5U4, CV375, VT244, VU71	6SN7EH	Octal	Premium version. RCA 5692
5Y3GT	Octal	Rectifier 5Y3	6V6GT	Octal	8571, 6AY5, 6P6C, any 6L6, 7184 +
6550CSVPL	Octal	Matched Pairs. CV5220 KT88 KT90	7591A	Octal	Ampeg.
6550EHPL	Octal	Matched Pairs. CV5220 KT88 KT90	E34L-JJ	Octal	JJ Version of EL34
6550WE	Octal	Matched Pairs. CV5220 KT88 KT90	EF86EH	B9A*	EF86 6267 6F22 CV10098 CV2901
6550-TUN	Octal	Matched Pairs. CV5220 KT88 KT90	EL34B-TUN	Octal	Higher Impedance EL34 Tung-Sol
QD-6550-TUN	Octal	Matched Quad. CV5220 KT88 KT90	EL34B-TUN-1	Octal	Higher Impedance EL34 Tung-Sol
6922EH	B9A	E88, ECC88, 6DJ8	QD-EL34B-TUN	Octal	Higher Impedance EL34 Tung-Sol
6922EHG	B9A	E88, ECC88, 6DJ8 Gold Pins	EL34EH	Octal	EL34 6CA7 CV1741
6AU6WC	B7G	CV2524, CV8403, EF94, 6J4, 6P2	EL34-JJ	Octal	JJ Version
6BL8	B9A*	6C16 ECF80 E80CF	EL34-MUL	Octal	Mullard Re-Issue
6BM8EH	B9A	ECL82 6PL12	QD-EL34MUL	Octal	Mullard Re-Issue
6BQ5	B9A	6GB6 6P15 EL84 E84L N709	EL34SVPL	Octal	EL34 Matched pair. 6CA7
6BY7	B9A	6F19 6F26 EF85 W719	EL84EH	B9A*	EL84 6BQ5 6P15 CV8069 N709
6C45PI	B9A	3A167M, CV5112, WE437A, EC8020	EL84EHPL	B9A*	EL84 6BQ5 6P15 CV8069 N709
6CA4	B9A	CV3996, CV5072, EZ81, U709	KT66TUN	Octal	Close bias match to 6L6
6CA7EH	Octal	EL34 Big Bottle	KT88	Octal	6550 KT90 CV5220
6CW5	B9A	EL86	KT88SVPL	Octal	Matched Pair. Platinum
6H30P	B9A*	BAT VK-50SE Use Only	KT90EH	Octal	KT88, 6550, CV5220, Matched Pair.
			KT120-PR	Octal	60 Watt Plate - Super KT88/6550
			PCF802	B9A*	6JW8, ECF802

Substitutions for suggestion only! Check Valve Specifications 1st.  
B9A\* \*Denotes: Short Version Valve that Fits under our VS915 Shield

## □ Reverb Tanks

### 8EB2C1B REVERB TANK

#### COMPACT SIZE

Small in size, this three spring reverb approaches the rich textural quality.

No locking device

Input impedance - 800 ohm

Output impedance - 2575 ohms

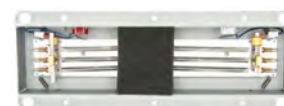
Decay time - medium (1.75 - 3.0 sec.)

Triple spring set.

RCA connectors - input insulated / output shield grounded to chassis

235x85x35mm Mounting plane Horizontal Open Side Down

Type	Code
8EB2C1B	RV8EB



### 4AB3C1B REVERB TANK

#### TWIN-REVERB REPLACEMENT

Four counter wound and coupled springs deliver superior mechanical performance and the classic sound that helped to make the Twin Reverb Amps famous. No locking device.

Input impedance - 8 ohm

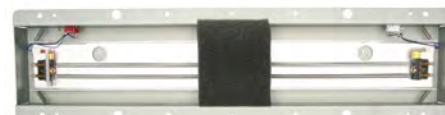
Output impedance - 2250 ohms

Decay time - Long (2.75 to 4.0 sec)

RCA connectors - input insulated / output grounded.

425x105x35mm Mounting plane Horizontal Open Side Down

Type	Code
4AB3C1B	RV4AB



### 9AB3C1B REVERB TANK

#### DELUXE REVERB REPLACEMENT

Six counter wound springs, coupled and placed in parallel. Unique combination to enhance sound quality. Experience a richest reverb effect throughout the full range of musical sound. Ideally suited for keyboard, sound reinforcement and pedal steel applications.

No locking device

Input impedance - 10 ohm

Output impedance - 2575 ohms

Decay time - Long (2.75 to 4.0 sec)

RCA connectors - input insulated / output grounded.

425x105x35mm Mounting plane Horizontal Open Side Down

Type	Code
9AB3C1B	RV9AB





## □ Valve Sockets

### BASE "B9A" "NOVEL" - PCB MOUNT

9 pin valve socket with ceramic base to PCB solder pins.

Base	Code
B9A	VS901

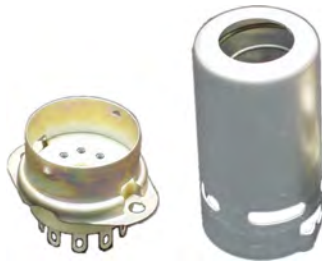


### BASE "B9A" + SHIELD

9 pin valve socket B9A ceramic base to solder TAGs Shield cap 40-50mm tall tubes With spring loading to hold Valves secure for transport. Ideal guitar amp solution.

Genuine Fender part OEM

Base	Code
B9A	VS915



### BASE "OCTAL" - PCB MOUNT

8 pin valve socket with ceramic base to PCB solder pins. KT88, 6550, 6L6, and others...standard Octal.

Base	Code
Octal	VS801



### BASE "OCTAL" - CHASSIS MOUNT

Ceramic Heat Resistant 8x Tinned to solder TAGs Screw base to Chassis 25mmØ +Bracket 40mm

Base	Code
Octal	VS803
Octal	VS802



### BASE "OCTAL" - CHASSIS MOUNT DELUXE

**DELUXE OVER-SIZED**  
8 pin "Octal" Base Ceramic heat resistant Dual piece contacts to solder TAGs.

**PREMIUM 40x56mm**

Base	Code
Octal	VS812



## □ Valve Clamp

### VALVE RETAINERS

Spring loaded retainer  
Excellent solution for guitar amplifiers, etc.  
Ensures a firm contact so large valves don't shift.  
"C" is a minimum height.  
(+50%max.)

"A"	"B"	"C"	Code
35	22	75mm	VRET20
42	22	80mm	VRET10
45	22	90mm	VRET30



## □ Valve Capacitors

### PPL - "ORANGE DROPS" POLY CAPS 600VAC

"Orange Drops" is the nickname for Spragues classic valve type film caps due to their colour and shape. The all new 715 polypropylene film capacitors build on this reputation. Suitable for any Guitar and HiFi valve amplifier restoration. The 715's are popular because they work well and have a nice clean smooth tone compared to the muddy sounding and unstable old hollo-wax paper caps originally used.

Value	Code
.001µF	.001PPL600
.0015µF	.0015PPL600
.0022µF	.0022PPL600
.0033µF	.0033PPL600
.0047µF	.0047PPL600
.01µF	.01PPL600
.015µF	.015PPL600
.022µF	.022PPL600
.047µF	.047PPL600
.068µF	.068PPL600
.1µF	.1PPL600
.15µF	.15PPL600
.22µF	.22PPL600
.47µF	.47PPL400



### ATM - "ATOM" AXIAL ELECTROLYTICS

Sprague Type TVA Atom Aluminium Tubular Axial Electrolytics. These sturdy, axial lead, aluminium electrolytic capacitors are preferred by most craftsmen for authentic vintage restorations. Many of the best sounding classic guitar amps by Fender, Ampeg, Magnatone, Valco and many others used Sprague Atom electrolytics.

Value	Volts	Code
8µF	150V	8ATM150
8µF	450V	8ATM450
10µF	150V	10ATM150
10µF	500V	10ATM500
16µF	475V	16ATM475
20µF	500V	20ATM500
20µF	600V	20ATM600
25µF	25V	25ATM25
25µF	50V	25ATM50
30µF	500V	30ATM500
40µF	500V	40ATM500
50µF	50V	50ATM50
80µF	450V	80ATM450
100µF	100V	100ATM100
100µF	350V	100ATM350
100µF	450V	100ATM450
250µF	25V	250ATM25



### F&T DUAL VALUE RADIAL CAPS

F&T and LCR direct replacement type caps, dual value electrolytic aluminium cans. \*100RT450 is a single Axial type.  
Premium quality made in Germany or UK.

Value	Volts	Size	Code
32µF+32µF	500V	52x35Ø	FT32X32
50µF+50µF	250V	40X30mmØ	100C250
50µF+50µF	500V	52x35Ø	FT50X50
100µF+100µF	500V	66x35Ø	FT100X100
225µF+25µF	385V	40x40mmØ	250C385
100µF Axial	450V	50x25mmØ	100RT450



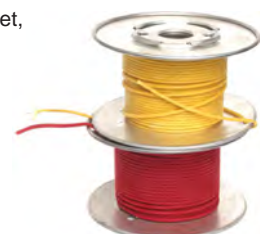
## □ Valve Wiring

### VINTAGE CLOTH COVERED WIRE

#### 18/22AWG SOLID CORE

High temperature. Double woven cloth jacket, wax coated, with Celanese inner braiding.

AWG	Colour	Length	Code
22AWG	Black	15M	PBW50BK
22AWG	Blue	15M	PBW50BU
22AWG	Brown	15M	PBW50BN
22AWG	Red	15M	PBW50RD
22AWG	White	15M	PBW50WH
22AWG	Yellow	15M	PBW50YL
18AWG	Green	6M	PBW20GN







## □ Valve Amp Switches

### ROCKER SWITCH

**SNAP-IN** 250Vac [Light=240Vac Neon]

Hole	Light	Current	Type	Code
20x13mm	No	4A	DPST	SW200
20x13mm	No	6A	SPST	SW210
20x13mm	No	6A	SPDT	SW215
20x13mm	Green	4A	DPST	SW205
20x22mm	No	5A	DPST	SW202
25x25mm	No	10A	DPST	SW203
30x22mm	No	10A	DPDT	SW220
30x22mm	Red	10A	DPDT	SW225



### TOGGLE SWITCH

#### DPDT

Code  
SWT125

#### DPST

Code  
SWT123

#### SPST

Code  
SWT121



### TOGGLE SWITCH

#### CENTRE OFF DPDT

Heavy duty toggle Screw terminal x6  
Double pole Double throw  
Centre OFF Max. 3A 250V

Code  
SWT127



### SPST CARLING TOGGLE SWITCHES

#### SPST TOGGLE

Power & standby switches that can  
be used as replacement in Fenders®.  
250Vac 3A. Fits Ø11.8mm hole.

Code  
SWT110



### SPST CARLING FOOTSWITCH

#### SPST FOOTSWITCH

Can be used in Fenders®, etc. reverb/trem/channel  
switching pedals. 250Vac 3A. Fits Ø11.8mm hole.

Code  
SWT110P



#### DPDT FOOTSWITCH

Used in many effects and switching units.  
250Vac 1A (125Vac 3A). Fits Ø11.8mm hole.

Code  
SWP316

### FOOT SWITCH

#### TPDT TOGGLE

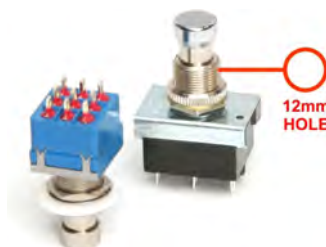
Triple pole Kick

Code  
SW3PDT

#### DPDT TOGGLE

Push-ON / Push-OFF Kick  
6A-250Vac

Code  
SWP328

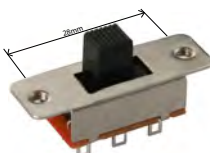


### STANDARD DPDT SLIDE SWITCH

#### STANDARD DPDT SLIDE

Standard DPDT (ON-ON) Low voltage slide  
switch. Can Replace bright switch in Fenders®.

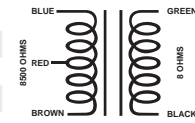
Code  
SW30



## □ Valve Transformers

### FENDER OUTPUT TRANSFORMER

OEM	Fender
Power	25W
Primary	8.5KΩ +CT
Secondary	8Ω
Size	70x60x55mm
Code	NSC041318T



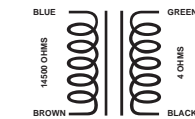
### FENDER COUPLING TRANSFORMER

4Ω - 14.5KΩ Fender: 022921

Reverb Driver Transformer  
suit most guitar amplifiers  
with analogue reverb.  
Marshall JCM800-2205/10.  
Fender 125A20B

Also suitable as 3.5W SE output.

Size	Code
45x35x40mm	NSC022921

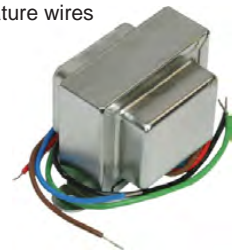


### FENDER CHOKE

#### SUITS FENDER 125C1A

Replacement choke for Twin, Super, Dual Showman,  
Primary wind only (Choke) High temperature wires

Original	125C1A 022699
Part No	
Size	60x50x45mm
Current	90mA
DCR	100
L	4H
Code	NSC125C1A



## MARSHALL POWER TRANSFORMERS

### MARSHALL REPLACEMENT TYPES

Built to original specifications,  
correct ratios and lots of iron!  
Suits the classic JCM800's, etc.



OEM	17D030	17D040
Power	50W	100W
Voltage	690V	700V
Current	0.15A	0.3A
Code	MPT50	MPT100



## MARSHALL OUTPUT TRANSFORMERS

### MARSHALL REPLACEMENT TYPES

Built to original specifications,  
correct ratios and lots of iron!  
EL34's, JCM800's, not JCM900.

OEM	17D010	17D020
Power	50W	100W
Primary	3.8KΩ	1.9KΩ
Secondary	4Ω/8Ω/16Ω	4Ω/8Ω/16Ω
Code	MOP50	MOP100



## MORE COMPONENTS - See Following Pages...





## □ Valve Plugs & Jacks

### 1/4" HEAVY DUTY PLUG

Neutrik All Metal

Type	Code
Mono	NP2X
Stereo	NP3X



### 1/4" MUSICIAN RANGE

Colour	Type	Code
Nickel	Mono	ACPM-GN
Nickel	Stereo	ACPS-GN
Black	Mono	ACPM-GB
Black	Stereo	ACPS-GB



### 1/4" T-SERIES METAL PLUGS

Colour	Type	Code
Nickel	Mono	TM2PJ
Nickel	Stereo	TS3PJ
Black	Mono	TM2PBJ
Black	Stereo	TS3PBJ



### 1/4" RIGHT ANGLE PLUG

Classic screw back Guitar plug.  
Chromium steel.

Type	Code
Mono	P243
Stereo	P244



### 1/4" RIGHT-ANGLE

Colour	Type	Code
Nickel	Mono	ACPM-RN
Nickel	Stereo	ACPS-RN-AU
Black	Mono	ACPM-RB
Black	Stereo	ACPS-RB-AU



### 1/4" RIGHT ANGLE HEAVY DUTY

Neutrik Quality

Type	Code
Mono	NP2RX



### 1/4" GUITAR LEADS

Nickel Barrel / Gold plated Leads

Description	Length	Code
Plug To Plug	1M	GD3030B001
Plug To Plug	3M	GD3030B003
Plug To Plug	6M	GD3030B006
Plug To Plug	9M	GD3030B009



Description	Length	Code
Plug To R/Angle	1M	GD3034B001
Plug To R/Angle	3M	GD3034B003
Plug To R/Angle	6M	GD3034B006
Plug To R/Angle	9M	GD3034B009



### MORE PLUGS & SOCKETS

SEE SECTION 02 CABLES & CONNECTORS...



### 6.35mm MONO SOCKET VINTAGE SOLDER

Mono input, 4 Solder terminals. Switched.  
Vintage Type with metal ferrule.

Type	Pins	Mounting	Code
Mono	4 Pins	Panel	BJ101



### 6.35mm MONO SOCKET VINTAGE PCB

Mono input jack, 4 PCB Mount terminals.  
Switched. Vintage Type with metal ferrule.

Type	Pins	Mounting	Code
Mono	4 Pins	PCB	BJ121



### 6.35mm STEREO SOCKET VINTAGE PCB

Stereo input jack, 6 PCB mount terminals.  
Switched. MXR replacement jack.

Type	Pins	Mounting	Code
Stereo	6 pins	PCB	BJ124



### 1/4" MONO JACK MODERN MARSHALL SOLDER

Mono input jack, 4 Solder terminals.

Type	Pins	Mounting	Code
Mono	4 Pins	Panel	BJ102
Nut	Spare	BJ	BJ-NUT1



### 6.35mm MONO SOCKET MARSHALL® TYPE PCB

Mono input jack, 4 PCB mount terminals.

Type	Pins	Mounting	Code
Mono	4 Pins	PCB	BJ103
Nut	Spare	BJ	BJ-NUT1



### 6.35mm STEREO SOCKET MARSHALL® TYPE PCB

Stereo input jack, 6 pin PCB board connector.

Type	Pins	Mounting	Code
Stereo	6 Pins	PCB	BJ104
Nut	Spare	BJ	BJ-NUT1



### 6.35mm MONO SOCKET PCB

Fender® PCB Mount jack. Mono 4 pins.

Type	Pins	Mounting	Code
Mono	4 Pin	PCB	BJ106



### 6.35mm STEREO SOCKET PCB

Fender® PCB Mount jack. Stereo 9 pins.

Type	Pins	Mounting	Code
Stereo	9 Pins	PCB	BJ107



### 6.35mm SWITCHCRAFT OPEN MONO SOCKET

1/4" female. Open circuit. Can be used  
as replacement in Fender®, external  
speaker/guitar output/effects pedals.

Type	Mounting	Code
Mono	Panel	SCJ11



### 6.35mm SWITCHCRAFT SHORTING MONO SOCKET

1/4" female. Shorting type.  
Fender® type replacement.

Type	Mounting	Code
Mono	Panel	SCJ12A



### 6.35mm SWITCHCRAFT OPEN STEREO SOCKET

1/4" female. Stereo double open circuit.  
Can be used for effect pedal input.

Type	Mounting	Code
Stereo	Panel	SCJ12B





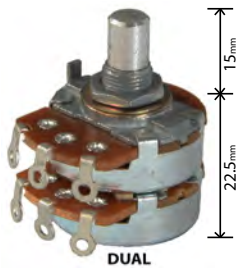


## □ Valve Pots

### ALPHA DUAL POTENTIOMETERS

1/4" Solid Shaft, 24mm Body, Solder Lugs, 1/2 Watt Rated. Fits 3/8" Hole. Comes With Hex Nut and Washer.

Type	Value	Code
Dual Linear	100K	V30-100KBX2
Dual Log	1M	V30-1MAX2

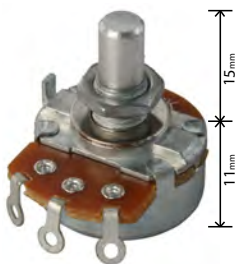


### ALPHA POTENTIOMETERS

#### GUITAR AMP POTENTIOMETER

Ultra high quality dampened rotational movement provides very smooth feel throughout turn. Audio/Log pots are typically used for volume control, and Linear pots are typically used for effects. 1/4" Solid Shaft, 24mm Body, Solder Lugs, 1/2 Watt Rated. Fits 3/8" Hole. Comes With Hex Nut and Washer.

Type	Value	Code
Linear	5K	V30-5KB
Linear	10K	V30-10KB
Linear	25K	V30-25KB
Linear	100K	V30-100KB
Linear	250K	V30-250KB
Log	100K	V30-100KA
Log	250K	V30-250KA
Log	500K	V30-500KA
Log	1M	V30-1MA



### CTS POTENTIOMETERS

#### NYLON SHAFT

Smooth action and top quality potentiometer. 24mm Body, Solder Lugs, 1/2 Watt Rated. Fits 3/8" Hole, 1/4" Solid nylon spindle shaft for the set screw or push-on knobs. Comes With Hex Nut and Washer.

Type	Value	Code
Linear	100K	V32-100KB
Log	10K	V32-10KA
Log	250K	V32-250KA
Log	500K	V32-500KA
Log	1M	V32-1MA
Reverse Log	50K	V32-50KRA
Reverse Log	3M	V32-3MRA



### CTS POTENTIOMETERS WITH PUSH/PULL

#### CTS PUSH-PULL SWITCH

Single Pole switch. 1/4" Shaft with 1.5mm centre cut, 24mm Body, Solder Lugs, 1/2 Watt Rated, 125Vac 3A. Fits 3/8" Hole. Comes With Hex Nut and Washers.

Type	Value	Code
Log	10K	V34-10KA
Log	1M	V34-1MA



### VOLUME POTS

#### POTENTIOMETERS

1/4" 6.35mm Half Moons  
Cut shaft to length Linear  
& Log types

See Following Pages...



## □ Valve Knobs

### KNOBS "CHICKEN HEAD"

Colour	Code
Red	KB010
White	KB050
Blue	KB100
Yellow	KB150
Ivory	KB200
Black	KB250
Dark Brown	KB300
Green	KB350
Mint	KB400
Maroon	KB450
Orange	KB500
Hot Pink	KB550
Purple	KB600
Silver	KB650
Light Brown	KB700

As used on Fender Amps, etc.  
1/4" 6.35mm Half-Moon Grub screw



### KNOBS BLACK PLASTIC

#### MATCHING EQUIPMENT STYLE

6.35mm shaft, Grubscrew fixing  
Same style, different sizes;

Size	Code
19x16mmØ	KB7760
16x20mmØ	KB7762
20x24mmØ	KB7764
19x35mmØ	KB7766



#### 6mm Star Push-On

Size	Code
14x15mmØ	KB7770

### KNOBS COLOUR CAP

#### PUSH ON STYLE

6.35mm shaft, 18x20mmØ

Colour	Code
RED	KB7705
YELLOW	KB7713
BLACK	KB7707
WHITE	KB7715
BLUE	KB7709
GREY	KB7717



### KNOBS SKIRT

#### SKIRT WITH NUMBER 1-10

6.35mm shaft Grubscrew  
fixing 23.5x36mmØ

Shaft	6.35mm
Size	23.5x36mmØ
Code	KB7549

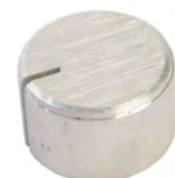


### KNOBS BRUSHED ALUMINIUM

#### BRUSHED ALUMINIUM

High quality brushed aluminium finish.  
6.35mm shaft, 14x22mmØ

Shaft	6.35mm
Size	14x22mmØ
Code	KB7022



### KNOBS CLASSIC

#### BLACK PLASTIC ALUMINIUM INSERT

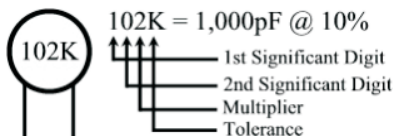
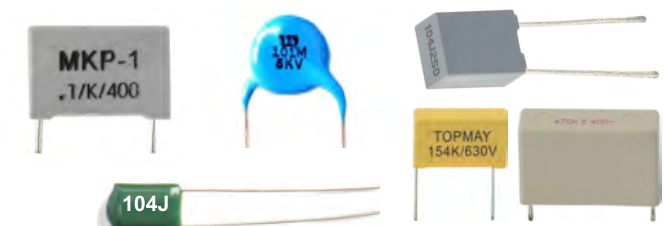
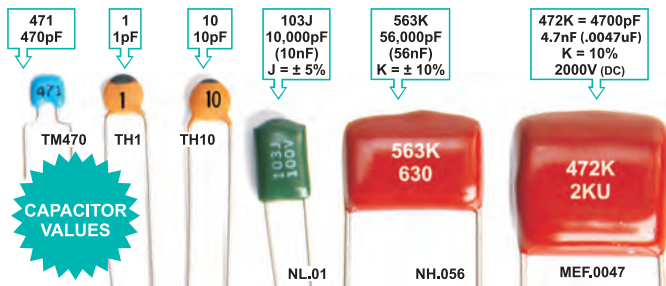
Shaft	6.35mm
Size	15x27mmØ
Code	KB7740





## Capacitors

### CAPACITOR CODE DECIPHER



Code	Tolerance
B	±0.10%
C	±0.25%
D	±0.50%
E	±0.5%
F	±1%
G	±2%
H	±3%
J	±5%
K	±10%
M	±20%
N	±0.05%
P	+100%, -0%
Z	+80%, -20%

### Capacitance Conversion Table

0.000,001μF =	0.001nF =	1pF	1R0
0.000,01μF =	0.01nF =	10pF	100
0.000,1μF =	0.1nF =	100pF	101
0.001μF =	1nF =	1,000pF	102
0.01μF =	10nF =	10,000pF	103
0.1μF =	100nF =	100,000pF	104
1μF =	1,000nF =	1,000,000pF	105
10μF =	10,000nF =	10,000,000pF	106
100μF =	100,000nF =	100,000,000pF	107

2 Numbers: These are read as Pico-Farads. An example: 47 printed on a small disk can be assumed to be 47 Pico-Farads (or 47pF).

3 Numbers: The first two are the 1st and 2nd significant digits and the third is a multiplier code. Most of the time the last digit tells you how many zeros to write after the first two digits, \*but this is not ALWAYS the case. The Letter code is Tolerance.\*

## Capacitors SMD

### CERAMIC CHIP CAPACITOR SMD 0805

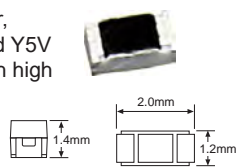
High density and high efficiency, multi-layer, ceramic condenser, made of NP0, X7R and Y5V dielectrics and which provide a product with high electrical precision, stability and reliability.

Size 0805 [2012 Metric]

Tolerance 10% (NPO/X7R)

Temp. NPO/X7R -55°C to +125°C

Temp. Y5V -30°C to +85°C



PACK OF 10 PIECES

Value	Type	Volts	Pack of	Code
1pF	NPO	50V	10	1CNA50
2.7pF	NPO	50V	10	2.7CNA50
3.9pF	NPO	50V	10	3.9CNA50
5pF	NPO	50V	10	5CNA50
10pF	NPO	50V	10	10CNA50
12pF	NPO	50V	10	12CNA50
15pF	NPO	50V	10	15CNA50
18pF	NPO	50V	10	18CNA50
22pF	NPO	50V	10	22CNA50
27pF	NPO	50V	10	27CNA50
33pF	NPO	50V	10	33CNA50
47pF	NPO	50V	10	47CNA50
68pF	NPO	50V	10	68CNA50
100pF	NPO	50V	10	100CNA50
220pF	X7R	50V	10	220CXA50
270pF	X7R	50V	10	270CXA50
330pF	X7R	50V	10	330CXA50
470pF	X7R	50V	10	470CXA50
680pF	X7R	50V	10	680CXA50
.001μF	X7R	50V	10	.001CXA50
.0022μF	X7R	50V	10	.0022CXA50
.0047μF	X7R	50V	10	.0047CXA50
.0068μF	X7R	50V	10	.0068CXA50
.01μF	Y5V	50V	10	.01CYA50
.033μF	Y5V	50V	10	.033CYA50
.047μF	Y5V	50V	10	.047CYA50
.047μF	X7R	50V	10	.047CXA50
.1μF	X7R	50V	10	.1CXA50
.1μF	Y5V	50V	10	.1CYA50
.22μF	Y5V	25V	10	.22CYA25
.39μF	Y5V	16V	10	.39CYA16
.47μF	Y5V	16V	10	.47CYA16
1μF	Y5V	16V	10	1CYA16

### CERAMIC CHIP CAPACITOR SMD 1206

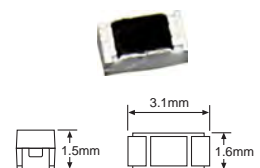
High density and high efficiency, multi-layer, ceramic condenser, made of NP0, X7R and Y5V dielectrics and which provide a product with high electrical precision, stability and reliability.

Size 0805 [2012 Metric]

Tolerance 10% (NPO/X7R)

Temp. NPO/X7R -55°C to +125°C

Temp. Y5V -30°C to +85°C



PACK OF 10 PIECES

Temp. NPO/X7R -55°C to +125°C

Temp. Y5V -30°C to +85°C

Order one to receive a pack of ten.

Value	Type	Volts	Pack of	Code
1pF	NPO	50V	10	1CNB50
4.7pF	NPO	50V	10	4.7CNB50
10pF	NPO	50V	10	10CNB50
12pF	NPO	50V	10	12CNB50
15pF	NPO	50V	10	15CNB50
18pF	NPO	50V	10	18CNB50
22pF	NPO	50V	10	22CNB50
27pF	NPO	50V	10	27CNB50
33pF	NPO	50V	10	33CNB50
47pF	NPO	50V	10	47CNB50
100pF	NPO	50V	10	100CNB50
220pF	X7R	50V	10	220CXB50
270pF	X7R	50V	10	270CXB50
330pF	X7R	50V	10	330CXB50
470pF	X7R	50V	10	470CXB50
.001μF	X7R	50V	10	.001CXB50
.0022μF	X7R	50V	10	.0022CXB50
.0047μF	X7R	50V	10	.0047CXB50
.01μF	Y5V	50V	10	.01CYB50
.033μF	Y5V	50V	10	.033CYB50
.047μF	X7R	50V	10	.047CXB50
.047μF	Y5V	50V	10	.047CYB50
.1μF	X7R	50V	10	.1CXB50
.1μF	Y5V	50V	10	.1CYB50
.22μF	Y5V	50V	10	.22CYB50
.47μF	Y5V	50V	10	.47CYB50
1μF	Y5V	50V	10	1CYB50





## □ Electrolytic SMD

### ELECTROLYTIC SMD

#### SURFACE MOUNT - ULTRA COMPACT MXM

Especially suitable for dual surface, high density boards. Will substitute most surface mount capacitor replacement. Anti-solvent materials. Tin can, plastic base, flat legs. Tolerance  $\pm 20\%$ . Temperature  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$



Value	Volts	Size	Code
0.1 $\mu\text{F}$	50V	4X5	.1MXM50
0.22 $\mu\text{F}$	50V	4X5	.22MXM50
0.33 $\mu\text{F}$	50V	4X5	.33MXM50
0.47 $\mu\text{F}$	50V	3X5	.47MXM50
1 $\mu\text{F}$	50V	3X5	1MXM50
2.2 $\mu\text{F}$	35V	3X5	2.2MXM35
2.2 $\mu\text{F}$	50V	4X5	2.2MXM50
3.3 $\mu\text{F}$	35V	3X5	3.3MXM35
3.3 $\mu\text{F}$	50V	4X5	3.3MXM50
4.7 $\mu\text{F}$	25V	3X5	4.7MXM25
4.7 $\mu\text{F}$	35V	4X5	4.7MXM35
4.7 $\mu\text{F}$	50V	5X5	4.7MXM50
10 $\mu\text{F}$	16V	3X5	10UWX16
10 $\mu\text{F}$	16V	4X5	10MXM16
10 $\mu\text{F}$	35V	5X5	10MXM35
22 $\mu\text{F}$	4V	3X5	22MXM4
22 $\mu\text{F}$	6.3V	3X5	22UWX6.3
22 $\mu\text{F}$	6.3V	4X5	22MXM6.3
22 $\mu\text{F}$	16V	5X5	22MXM16
22 $\mu\text{F}$	35V	6.3X5	22MXM35
22 $\mu\text{F}$	50V	8X6	22MXM50
33 $\mu\text{F}$	4V	4X5	33MXM4
33 $\mu\text{F}$	10V	5X5	33MXM10
33 $\mu\text{F}$	25V	6.3X5	33MXM25
33 $\mu\text{F}$	50V	8X10	33MXM50
47 $\mu\text{F}$	4V	4X5	47MXM4
47 $\mu\text{F}$	6.3V	5X5	47MXM6.3
47 $\mu\text{F}$	16V	6.3X5	47MXM16
47 $\mu\text{F}$	35V	8X6	47MXM35
47 $\mu\text{F}$	50V	10X10	47MXM50
100 $\mu\text{F}$	6.3V	6.3X5	100MXM6.3
100 $\mu\text{F}$	16V	8x6	100MXM16
100 $\mu\text{F}$	25V	8X10	100MXM25
100 $\mu\text{F}$	35V	6X8	100MXM35
220 $\mu\text{F}$	4V	6.3X5	220MXM4
220 $\mu\text{F}$	10V	6X8	220MXM10
330 $\mu\text{F}$	6.3V	8X6	330MXM6.3
470 $\mu\text{F}$	6.3V	8X10	470MXM6.3
470 $\mu\text{F}$	10V	10X10	470MXM16
680 $\mu\text{F}$	6.3V	10X10	680MXM6.3

### ELECTROLYTIC SMD HIGH TEMPERATURE

#### SURFACE MOUNT - $105^{\circ}\text{C}$

Similar to MXM Series Except:  
Temperature  $-55^{\circ}\text{C}$  to  $105^{\circ}\text{C}$   
Tolerance 20%

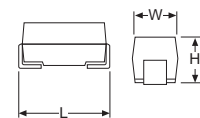


Value	Volts	Size	Code
0.1 $\mu\text{F}$	50V	4X5	.1HB50
0.22 $\mu\text{F}$	50V	4X5	.22HB50
0.47 $\mu\text{F}$	50V	4X5	.47HB50
1 $\mu\text{F}$	50V	4X5	1HB50
2.2 $\mu\text{F}$	50V	4X6	2.2HB50
4.7 $\mu\text{F}$	25V	5X6	4.7HB25
4.7 $\mu\text{F}$	50V	5X6	4.7HB50
6.8 $\mu\text{F}$	25V	4X6	6.8HB25
10 $\mu\text{F}$	16V	4X6	10HB16
10 $\mu\text{F}$	16V	3X5	10UWT16
10 $\mu\text{F}$	35V	5X6	10HB35
22 $\mu\text{F}$	6.3V	4X6	22HB6.3
22 $\mu\text{F}$	16V	5X6	22HB16
22 $\mu\text{F}$	25V	6X6	22HB25
33 $\mu\text{F}$	10V	5X6	33HB10
47 $\mu\text{F}$	6.3V	5X6	47HB6.3
47 $\mu\text{F}$	16V	5X6	47HB16
100 $\mu\text{F}$	6.3V	6X6	100HB6.3

### TANTALUM CAPACITORS SMD

#### PACK OF 10 PIECES

Suitable for reflow or hand soldering  
Temperature range  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$   
Tolerance:  $\pm 20\%$



Case	Dimensions	L	W	H
TCC (EIA 3216)		3.2	1.6	1.6
TCD (EIA 3528)		3.5	2.8	1.9

Value	Volts	Size	Pack of	Code
.47 $\mu\text{F}$	35V	3.2x1.6x1.6	10	.47TCC35
1 $\mu\text{F}$	35V	3.2x1.6x1.6	10	1TCC35
2.2 $\mu\text{F}$	20V	3.2x1.6x1.6	10	2.2TCC20
2.2 $\mu\text{F}$	25V	3.5x2.8x1.9	10	2.2TCD25
4.7 $\mu\text{F}$	16V	3.2x1.6x1.6	10	4.7TCC16
4.7 $\mu\text{F}$	20V	3.5x2.8x1.9	10	4.7TCD20
10 $\mu\text{F}$	10V	3.2x1.6x1.6	10	10TCC10
10 $\mu\text{F}$	16V	3.5x2.8x1.9	10	10TCD16
22 $\mu\text{F}$	16V	3.5x2.8x1.9	10	22TCD16

## □ Capacitance Meters

### LCR MULTIMETER

#### WITH USB PC INTERFACE

Dual LCD display + bar graph.  
Auto LCR smart check and measurement.  
L : 20.0  $\mu\text{H}$  to 200.00 H  
C : 20.0 pF to 2000  $\mu\text{F}$   
R : 20.000 ohm to 200.0M ohm  
Series/Parallel modes are selectable.  
Five test frequency are available :  
100/120/1K/10K/100KHz  
Ls/Lp/Cs/Cp with D/Q/ESR.  
RS232/USB computer interface.  
Optional SMD test clips and probe.

Description	Code
LCR Meter	LCR9183
SMD Clips	SMDC-22
SMD Probe	SMDC21



### CAPACITANCE METER

LSI-circuit allows high reliability and durability.  
Accuracy is provided from a crystal time base  
and fast sampling. Lutron precision meter.  
200pF (0.1pF  $\pm 0.5\%$ ) 20,000uF (10uF  $\pm 2.0\%$ )

Code  
DM9023



TOOLS & TEST  
EQUIPMENT  
SECTION 07



## Variable

### PVC TUNERS

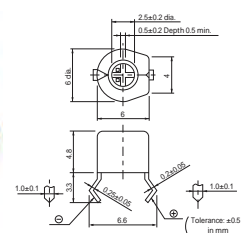
Tuning capacitor Common mechanical Capacitor type to suit AM-FM radios. Current stock: 7 Pin 20x20x12mm



Code  
PVC5

### TRIMMER CAPACITORS

Temp. -25°C +85°C  
Volts 50Vdc  
Vmax 500Vdc  
Insulation 100MΩ



Value	Colour	Pitch	Temp Coef'	Code
1.5 - 5pf	Blue	5mm	NPO	TC50
2.7 - 10pf	Blue	5mm	NPO	TC100
4.2 - 20pf	Red	5mm	N750	TC200
5.2 - 30pf	Green	5mm	N750	TC300
6.8 - 45pf	Yellow	5mm	N1200	TC450
9.8 - 60pf	Brown	5mm	N1200	TC600

## Ceramic

### CERAMIC 500V

General purpose replacement ceramic disc capacitors. Low loss, high stability, Through-hole mounting. -55°C +85°C

Value	Tolerance	Pitch	Code
1pf	5%	5mm	TH1
1.2μf	5%	5mm	TH1.2
1.5pf	5%	5mm	TH1.5
1.8pf	5%	5mm	TH1.8
2.2pf	5%	5mm	TH2.2
2.7pf	5%	5mm	TH2.7
3.3pf	5%	5mm	TH3.3
3.9pf	5%	5mm	TH3.9
4.7pf	5%	5mm	TH4.7
5.6pf	5%	5mm	TH5.6
6.8pf	5%	5mm	TH6.8
8.2pf	5%	5mm	TH8.2
10pf	5%	5mm	TH10
12pf	5%	5mm	TH12
15pf	5%	5mm	TH15
18pf	5%	5mm	TH18
22pf	5%	5mm	TH22
27pf	5%	5mm	TH27
33pf	5%	5mm	TH33
39pf	5%	5mm	TH39
47pf	5%	5mm	TH47
56pf	5%	5mm	TH56
68pf	5%	5mm	TH68
82pf	5%	5mm	TH82
100pf	10%	5mm	TH100
120pf	10%	5mm	TH120
150pf	10%	5mm	TH150
180pf	10%	5mm	TH180
220pf	10%	5mm	TH220
270pf	10%	5mm	TH270
330pf	10%	5mm	TH330
390pf	10%	5mm	TH390
470pf	10%	5mm	TH470
560pf	10%	5mm	TH560
680pf	10%	5mm	TH680
820pf	10%	5mm	TH820
1nf	10%	5mm	TH1000



### CERAMIC MONOLITHIC 50V

#### TM SERIES LOW PROFILE CERAMIC CHIP CAPACITORS

Epoxy coated multi-layer. Ideal for general replacement of ceramic capacitors, etc. -55°C +125°C



Value	Tolerance	Pitch	Code
100pf	5%	5.5mm	TM100
220pf	5%	5.5mm	TM220
330pf	5%	5.5mm	TM330
390pf	5%	5.5mm	TM390
470pf	5%	5.5mm	TM470
680pf	5%	5.5mm	TM680
1nf	5%	5.5mm	TM.001
2.2nf	5%	5.5mm	TM.0022
3.3nf	5%	5.5mm	TM.0033
3.9μf	5%	5.5mm	TM.0039
4.7nf	5%	5.5mm	TM.0047
6.8nf	5%	5.5mm	TM.0068
10nf	5%	5.5mm	TM.01
22nf	5%	5.5mm	TM.022
33nf	5%	5.5mm	TM.033
47nf	5%	5.5mm	TM.047
100nf	5%	5.5mm	TM.1
220nf	5%	5.5mm	TM.22
330nf	5%	5.5mm	TM.33
470nf	5%	5.5mm	TM.47
1μf	5%	5.5mm	TM1

### CERAMIC Y2 CLASS 250V

Suppression Caps used across mains & earth. Y2 Safety Standard. 5000Vac pulse. 15mm pitch.



Value	Vmax	Pitch	Code
.0022μF	5KVpeak	15mm	.0022CERY2-250
.0047μF	5KVpeak	15mm	.0047CERY2-250





## Ceramic

### CERAMIC 2KV

Suit Pulse circuits. "WR" Series.  
Low loss with minimal drift.  
-25°C +125°C Tolerance 10%

Value	Volts	Pitch	Code
220 pf	2KV	7.5mm	WR220
270 pf	2KV	5.5mm	WR270
330 pf	2KV	7.5mm	WR330
390 pf	2KV	7.5mm	WR390
470 pf	2KV	5.5mm	WR470
560 pf	2KV	5.5mm	WR560
680 pf	2KV	5.5mm	WR680
820 pf	2KV	5.5mm	WR820
1000 pf	2KV	8mm	WR1000
1200 pf	2KV	8mm	WR1200
1500 pf	2KV	5.5mm	WR1500
1800 pf	2KV	8mm	WR1800
2200 pf	2KV	5.5mm	WR2200
2700 pf	2KV	10.5mm	WR2700
3300 pf	2KV	10.5mm	WR3300
3900 pf	2KV	10.5mm	WR3900
4700 pf	2KV	7mm	WR4700
5600 pf	2KV	7mm	WR5600
6800 pf	2KV	7mm	WR6800
8200 pf	2KV	7mm	WR8200



### CERAMIC 6KV

Suit Pulse circuits. "DE" Series. Low loss with minimal temperature drift. -25°C +125°C Tolerance 10%

Value	Pitch	Volts	Code
3.3 pf	10mm	6KV	DE3.3
3.9 pf	10mm	6KV	DE3.9
4.7 pf	10mm	6KV	DE4.7
5.6 pf	10mm	6KV	DE5.6
6.8 pf	10mm	6KV	DE6.8
8.2 pf	10mm	6KV	DE8.2
10 pf	10mm	6KV	DE10
12 pf	10mm	6KV	DE12
15 pf	10mm	6KV	DE15
18 pf	10mm	6KV	DE18
22 pf	10mm	6KV	DE22
27 pf	10mm	6KV	DE27
33 pf	10mm	6KV	DE33
39 pf	10mm	6KV	DE39
47 pf	10mm	6KV	DE47
68 pf	10mm	6KV	DE68
82 pf	10mm	6KV	DE82
100 pf	10mm	6KV	DE100
120 pf	10mm	6KV	DE120
150 pf	10mm	6KV	DE150
180 pf	10mm	6KV	DE180
220 pf	10mm	6KV	DE220
270 pf	10mm	6KV	DE270
330 pf	10mm	6KV	DE330
390 pf	10mm	6KV	DE390
470 pf	10mm	6KV	DE470
560 pf	10mm	6KV	DE560
680 pf	10mm	6KV	DE680
820 pf	10mm	6KV	DE820
1000 pf	10mm	6KV	DE1000
1200 pf	10mm	6KV	DE1200
1500 pf	10mm	6KV	DE1500
1800 pf	10mm	6KV	DE1800
2200 pf	10mm	6KV	DE2200
3300 pf	10mm	6KV	DE3300
3600 pf	12mm	6KV	DE3600
3900 pf	12mm	6KV	DE3900
4700 pf	12mm	6KV	DE4700
5600 pf	12mm	6KV	DE5600
6800 pf	12mm	6KV	DE6800
8200 pf	12mm	6KV	DE8200



## Silver Mica

### SILVER MICA CAPACITORS 500V

Absolute best sounding capacitors for audio, tone and filter circuits, etc. Also ideal for Oscillators and TX ccts. Sourced from the USA, for HOT valves. MIL-C-5 RS153. Indian Ruby Muscovite & Epoxy Resin Dipped Superior heat, moisture, shock resistance. High stability -55 to 135°C Tolerance ±5% Long life reliability. Audiophile sound. [www.simicelectronics.com](http://www.simicelectronics.com)



Value	Pitch	Code
10pf	7mm	SMC10
22pf	7mm	SMC22
33pf	7mm	SMC33
47pf	7mm	SMC47
68pf	7mm	SMC68
100pf	7mm	SMC100
120pf	7mm	SMC120
150pf	7mm	SMC150
220pf	7mm	SMC220
250pf	7mm	SMC250
390pf	7mm	SMC390
500pf	7mm	SMC500
680pf	7mm	SMC680
1000pf	10mm	SMC1000



## Tantalum

### TANTALUM CAPACITORS

Value	Volts	Pitch	Code
100nf	35v	3mm	.1T35V
220nf	35v	3mm	.22T35V
330nf	35v	3mm	.33T35V
470nf	35v	3mm	.47T35V
680nf	35v	3mm	.68T35V
1µf	35v	3mm	1T35V
2.2µf	16v	3mm	2.2T16V
2.2µf	35v	3mm	2.2T35V
3.3µf	16v	3mm	3.3T16V
3.3µf	35v	3mm	3.3T35V
4.7µf	16v	3mm	4.7T16V
4.7µf	35v	3mm	4.7T35V
6.8µf	16v	3mm	6.8T16V
6.8µf	25v	3mm	6.8T25V
6.8µf	35v	3mm	6.8T35V
10µf	16v	3mm	10T16V
10µf	25v	3mm	10T25V
10µf	35v	3mm	10T35V
15µf	16v	3mm	15T16V
15µf	25v	3mm	15T25V
15µf	35v	3mm	15T35V
22µf	16v	3mm	22T16V
22µf	25v	3mm	22T25V
22µf	35v	3mm	22T35V
33µf	10v	3mm	33T10
33µf	16v	3mm	33T16V
33µf	25v	3mm	33T25V
47µf	16v	3mm	47T16V
47µf	25v	6mm	47T25V
47µf	35v	6mm	47T35V
100µf	6v	3mm	100T6V
100µf	16v	3mm	100T16V





## □ Polyester

### POLYESTER "GREEN-CAP"

#### METALISED MYLAR EPOXY LACQUERED

Non-inductive, High temperature stability,  
Ideal for coupling and bypass applications  
Temperature rating: -40°C +85°C



Value	Tolerance	Volts	Pitch	Code
1nf	5%	100Vdc	4mm	NL.001
1nf	10%	630Vdc	10mm	NH.001
1nf	10%	2000Vdc	10mm	MEF.001
1.2nf	10%	630Vdc	10mm	NH.0012
1.2nf	10%	2000Vdc	10mm	MEF.0012
1.5nf	5%	100Vdc	4mm	NL.0015
1.5nf	10%	630Vdc	10mm	NH.0015
1.5nf	10%	2000Vdc	16mm	MEF.0015
1.8nf	5%	100Vdc	4mm	NL.0018
1.8nf	10%	630Vdc	10mm	NH.0018
1.8nf	10%	2000Vdc	10mm	MEF.0018
2.2nf	5%	100Vdc	4mm	NL.0022
2.2nf	10%	630Vdc	10mm	NH.0022
2.2nf	10%	2000Vdc	10mm	MEF.0022
2.7nf	5%	100Vdc	4mm	NL.0027
2.7nf	10%	630Vdc	10mm	NH.0027
2.7nf	10%	2000Vdc	10mm	MEF.0027
3.3nf	5%	100Vdc	4mm	NL.0033
3.3nf	10%	630Vdc	10mm	NH.0033
3.3nf	10%	2000Vdc	16mm	MEF.0033
3.9nf	5%	100Vdc	4mm	NL.0039
3.9nf	10%	630Vdc	10mm	NH.0039
3.9nf	10%	2000Vdc	16mm	MEF.0039
4.7nf	5%	100Vdc	4mm	NL.0047
4.7nf	10%	630Vdc	10mm	NH.0047
4.7nf	10%	2000Vdc	20mm	MEF.0047
5.6nf	5%	100Vdc	4mm	NL.0056
5.6nf	10%	630Vdc	10mm	NH.0056
5.6nf	10%	2000Vdc	21mm	MEF.0056
6.8nf	5%	100Vdc	4mm	NL.0068
6.8nf	10%	630Vdc	10mm	NH.0068
6.8nf	10%	2000Vdc	16mm	MEF.0068
8.2nf	5%	100Vdc	4mm	NL.0082
8.2nf	10%	630Vdc	12mm	NH.0082
8.2nf	10%	2000Vdc	16mm	MEF.0082
10nf	5%	100Vdc	4mm	NL.01
10nf	10%	630Vdc	10mm	NH.01
10nf	10%	2000Vdc	20mm	MEF.01
15nf	5%	100Vdc	6mm	NL.015
15nf	10%	630Vdc	10mm	NH.015
15nf	10%	2000Vdc	16mm	MEF.015
18nf	5%	100Vdc	5mm	NL.018
22nf	5%	100Vdc	5mm	NL.022
22nf	10%	630Vdc	10mm	NH.022
22nf	10%	2000Vdc	16mm	MEF.022
33nf	5%	100Vdc	6mm	NL.033
33nf	10%	630Vdc	11mm	NH.033
33nf	10%	2000Vdc	23mm	MEF.033
39nf	5%	100Vdc	6mm	NL.039
39nf	10%	2000Vdc	21mm	MEF.039
47nf	5%	100Vdc	6mm	NL.047
47nf	10%	630Vdc	15mm	NH.047
47nf	10%	2000Vdc	21mm	MEF.047
56nf	10%	630Vdc	15mm	NH.056
56nf	10%	2000Vdc	21mm	MEF.056
68nf	5%	100Vdc	8mm	NL.068
68nf	10%	630Vdc	16mm	NH.068
68nf	10%	2000Vdc	29mm	MEF.068
82nf	5%	100Vdc	7mm	NL.082
82nf	10%	630Vdc	16mm	NH.082
82nf	10%	2000Vdc	21mm	MEF.082

Value	Tolerance	Volts	Pitch	Code
100nf	5%	100Vdc	8mm	NL.1
100nf	10%	630Vdc	16mm	NH.1
100nf	10%	2000Vdc	20mm	MEF.1
150nf	10%	2000Vdc	28mm	MEF.15
220nf	5%	100Vdc	8mm	NL.22
220nf	10%	630Vdc	21mm	NH.22
220nf	10%	2000Vdc	28mm	MEF.22
330nf	5%	100Vdc	8mm	NL.33
330nf	10%	630Vdc	22mm	NH.33
330nf	10%	2000Vdc	28mm	MEF.33
390nf	5%	100Vdc	8mm	NL.39
390nf	10%	630Vdc	28mm	NH.39
390nf	10%	2000Vdc	27mm	MEF.39
470nf	5%	100Vdc	8mm	NL.47
470nf	10%	630Vdc	28mm	NH.47
470nf	10%	2000Vdc	28mm	MEF.47
560nf	5%	100Vdc	10mm	NL.56
650nf	10%	630Vdc	28mm	NH.56
680nf	5%	100Vdc	16mm	NL.68
680nf	10%	630Vdc	21mm	NH.68
820nf	5%	100Vdc	16mm	NL.82
820nf	10%	630Vdc	28mm	NH.82
1µf	5%	100Vdc	16mm	NL1
1µf	10%	630Vdc	28mm	NH1
1.5µf	5%	100Vdc	16mm	NL1.5
2.2µf	5%	100Vdc	20mm	NL2.2
3.3µf	5%	100Vdc	21mm	NL3.3
4.7µf	5%	100Vdc	28mm	NL4.7
5.6µf	5%	100Vdc	28mm	NL5.6
6.8µf	5%	100Vdc	28mm	NL6.8
8.2µf	5%	100Vdc	28mm	NL8.2
10µf	5%	100Vdc	27mm	NL10

### CAPACITANCE DECADE BOX

100pF to 11,111µF 100pF per step.

Size 147x117x51mm Yellow ABS.

Capacitors are 5% 50Vdc.

Code  
CBOX406



### RESISTANCE DECADE BOX

1 ohm step to 11,111,111 ohm. (10MΩ)

Resistors are 1% 0.3W carbon.

Code  
RBOX408



### INDUCTANCE DECADE BOX

10µH step 10µH to 111.1mH

Size 147x117x51mm Yellow ABS.

Values are ±5% at 1KHz/1V/10mA.

Code  
LBOX405







## □ Polyester

### POLYESTER MKT-5

#### 5mm PITCH MOUNTING

Metallised Polyester film suitable for blocking, bypassing, filtering, timing, coupling and decoupling circuits, interference suppression in low voltage applications. High temperature operations. RoHS. UL94V-0. -40°C +105°C

100Vdc / 63Vac  
250Vdc / 160Vac  
400Vdc / 200Vac

Value	Volts	Pitch	Code
0.001µF	100Vdc	5mm	.001MKT5-100
0.001µF	400Vdc	5mm	.001MKT5-400
0.0015µF	63Vdc	5mm	.0015MKT5-63
0.0015µF	100Vdc	5mm	.0015MKT5-100
0.0015µF	400Vdc	5mm	.0015MKT5-400
0.0022µF	100Vdc	5mm	.0022MKT5-100
0.0022µF	400Vdc	5mm	.0022MKT5-400
0.0033µF	100Vdc	5mm	.0033MKT5-100
0.0033µF	400Vdc	5mm	.0033MKT5-400
0.0047µF	100Vdc	5mm	.0047MKT5-100
0.0047µF	400Vdc	5mm	.0047MKT5-400
0.0068µF	100Vdc	5mm	.0068MKT5-100
0.0068µF	250Vdc	5mm	.0068MKT5-250
0.0068µF	400Vdc	5mm	.0068MKT5-400
0.01µF	100Vdc	5mm	.01MKT5-100
0.01µF	250Vdc	5mm	.01MKT5-250
0.01µF	400Vdc	5mm	.01MKT5-400
0.015µF	100Vdc	5mm	.015MKT5-100
0.015µF	250Vdc	5mm	.015MKT5-250
0.015µF	400Vdc	5mm	.015MKT5-400
0.022µF	100Vdc	5mm	.022MKT5-100
0.022µF	250Vdc	5mm	.022MKT5-250
0.022µF	400Vdc	5mm	.022MKT5-400
0.033µF	100Vdc	5mm	.033MKT5-100
0.033µF	250Vdc	5mm	.033MKT5-250
0.033µF	400Vdc	5mm	.033MKT5-400
0.047µF	100Vdc	5mm	.047MKT5-100
0.047µF	250Vdc	5mm	.047MKT5-250
0.047µF	400Vdc	5mm	.047MKT5-400
0.068µF	100Vdc	5mm	.068MKT5-100
0.068µF	250Vdc	5mm	.068MKT5-250
0.1µF	100Vdc	5mm	.1MKT5-100
0.1µF	250Vdc	5mm	.1MKT5-250
0.15µF	100Vdc	5mm	.15MKT5-100
0.22µF	100Vdc	5mm	.22MKT5-100
0.33µF	100Vdc	5mm	.33MKT5-100
0.47µF	100Vdc	5mm	.47MKT5-100
1.0µF	100Vdc	5mm	1MKT5-100
2.2µF	63Vdc	5mm	2.2MKT5-63



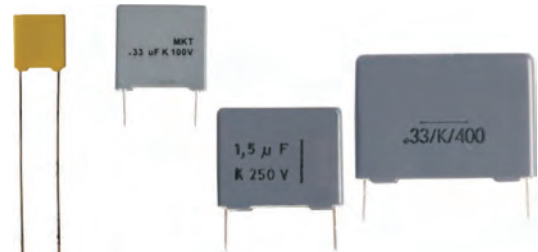
### POLYESTER MKT-15

#### 15mm PITCH MOUNTING

Metallised Polyester film suitable for blocking, bypassing, filtering, timing, coupling and decoupling circuits, interference suppression in low voltage applications. High temperature operations. RoHS. UL94V-0. -40°C +105°C

100Vdc / 63Vac  
250Vdc / 160Vac  
400Vdc / 200Vac  
630Vdc / 220Vac

Value	Volts	Pitch	Code
0.022µF	630Vdc	15mm	.022MKT15-630
0.033µF	630Vdc	15mm	.033MKT15-630
0.047µF	400Vdc	15mm	.047MKT15-400
0.047µF	630Vdc	15mm	.047MKT15-630
0.068µF	400Vdc	15mm	.068MKT15-400
0.068µF	630Vdc	15mm	.068MKT15-630
0.1µF	250Vdc	15mm	.1MKT15-250
0.1µF	400Vdc	15mm	.1MKT15-400
0.15µF	250Vdc	15mm	.15MKT15-250
0.15µF	400Vdc	15mm	.15MKT15-400
0.22µF	250Vdc	15mm	.22-MKT15-250
0.33µF	100Vdc	15mm	.33MKT15-100
0.33µF	250Vdc	15mm	.33MKT15-250
0.47µF	100Vdc	15mm	.47MKT15-100
0.47µF	250Vdc	15mm	.47MKT15-250
0.68µF	100Vdc	15mm	.68MKT15-100
0.68µF	250Vdc	15mm	.68MKT15-250
1.0µF	100Vdc	15mm	1MKT15-100
1.0µF	250Vdc	15mm	1MKT15-250
1.5µF	100Vdc	15mm	1.5MKT15-100
1.5µF	250Vdc	15mm	1.5MKT15-250
2.2µF	100Vdc	15mm	2.2MKT15-100
2.2µF	250Vdc	15mm	2.2MKT15-250



### POLYESTER MKT-22

#### 22.5mm PITCH MOUNTING

Metallized Polyester Film Capacitors. -40°C +105°C  
X2 safety approvals. RoHS. UL94V-0. IEC60068-1

100Vdc / 63Vac  
250Vdc / 160Vac  
400Vdc / 200Vac  
630Vdc / 220Vac



### POLYESTER MKT-10

#### 10mm PITCH MOUNTING

Value	Volts	Pitch	Code
0.0047µF	630v	10mm	.0047MKT10-630
0.0068µF	630v	10mm	.0068MKT10-630
0.01µF	630v	10mm	.01MKT10-630
0.015µF	400v	10mm	.015MKT10-400
0.015µF	630v	10mm	.015MKT10-630
0.022µF	400v	10mm	.022MKT10-400
0.022µF	630v	10mm	.022MKT10-630
0.033µF	400v	10mm	.033MKT10-400
0.033µF	630v	10mm	.033MKT10-630
0.047µF	400v	10mm	.047MKT10-400
0.068µF	250v	10mm	.068MKT10-250
0.068µF	400v	10mm	.068MKT10-400
0.1µF	250v	10mm	.1MKT10-250
0.1µF	400v	10mm	.1MKT10-400
0.15µF	250v	10mm	.15MKT10-250
0.22µF	250v	10mm	.22MKT10-250
0.33µF	100v	10mm	.33MKT10-100
0.33µF	250v	10mm	.33MKT10-250
0.47µF	100v	10mm	.47MKT10-100
0.68µF	100v	10mm	.68MKT10-100



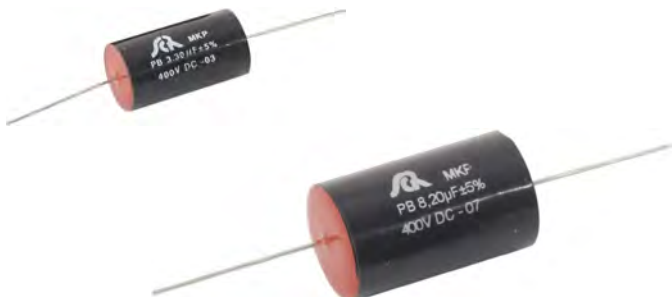
Value	Volts	Pitch	Code
0.1µF	630Vdc	22mm	.1MKT22-630
0.15µF	630Vdc	22mm	.15MKT22-630
0.22µF	400Vdc	22mm	.22MKT22-400
0.22µF	630Vdc	22mm	.22MKT22-630
0.33µF	250Vdc	22mm	.33MKT22-250
0.33µF	400Vdc	22mm	.33MKT22-400
0.47µF	250Vdc	22mm	.47MKT22-250
0.47µF	400Vdc	22mm	.47MKT22-400
0.68µF	250Vdc	22mm	.68MKT22-250
1µF	100Vdc	22mm	1MKT22-100
1µF	250Vdc	22mm	1MKT22-250
1.5µF	100Vdc	22mm	1.5MKT22-100
1.5µF	250Vdc	22mm	1.5MKT22-250
2.2µF	100Vdc	22mm	2.2MKT22-100
3.3µF	100Vdc	22mm	3.3MKT22-100



## □ Polypropylene

### (SCR) METALISED POLY' AUDIO

Premium Audiophile grade MKP. Made in France by SCR. Self healing, non-inductive capacitors using the highest grade aluminium metalised polypropylene materials for renowned sonic performance. As used in our HDS audio crossovers. 400Vdc Tolerance 5%. -25°C +85°C IEC 60384-1

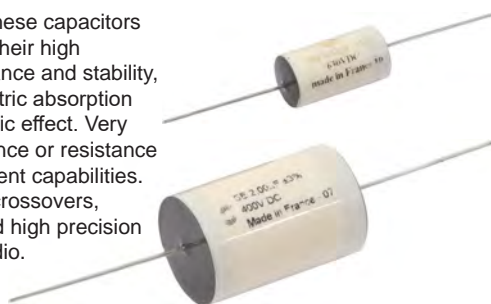


Value	Volts	Size	Code
0.15µF	400Vdc	17x7mmØ	SCR.15
0.27µF	400Vdc	24x11mmØ	SCR.27
1µF	400Vdc	22x12mmØ	SCR1
1.6µF	400Vdc	27x14mmØ	SCR1.6
2.2µF	400Vdc	27x16mmØ	SCR2.2
3.0µF	400Vdc	29x18mmØ	SCR3.0
3.3µF	400Vdc	33x17mmØ	SCR3.3
3.9µF	400Vdc	35x18mmØ	SCR3.9
4.7µF	400Vdc	33x24mmØ	SCR4.7
5.6µF	400Vdc	35x21mmØ	SCR5.6
6.8µF	400Vdc	33x24mmØ	SCR6.8
7.5µF	400Vdc	35x24mmØ	SCR7.5
8.2µF	400Vdc	40x24mmØ	SCR8.2
10µF	400Vdc	38x26mmØ	SCR10
12µF	400Vdc	40x28mmØ	SCR12
15µF	400Vdc	45x28mmØ	SCR15
20µF	400Vdc	48x31mmØ	SCR20
27µF	400Vdc	54x33mmØ	SCR27
33µF	400Vdc	53x38mmØ	SCR33
47µF	400Vdc	60x43mmØ	SCR47

### (SCR) TIN-FOIL FILM AUDIOPHILE

#### AUDIOPHILE PERFORMANCE CAPACITOR

Made in France, these capacitors are renowned for their high electrical performance and stability, insignificant dielectric absorption and no piezoelectric effect. Very low series inductance or resistance and very high current capabilities. Ideal for speaker crossovers, audio coupling and high precision applications in Audio.

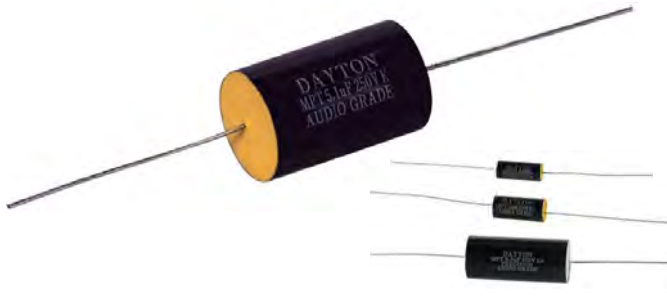


Value	Volts	Size	Series	Code
.01µf	1200Vdc	23x6mmØ	SN	TN.01
.022µf	630Vdc	23x6mmØ	SM	TN.022
.047µf	630Vdc	23x9mmØ	SM	TN.047
.1µf	630Vdc	23x11mmØ	SM	TN.1
.22µf	630Vdc	28x13mmØ	SM	TN.22
.33µf	630Vdc	28x16mmØ	SM	TN.33
.47µf	630Vdc	36x15mmØ	SM	TN.47
.68µf	630Vdc	36x18mmØ	SM	TN.68
.82µf	630Vdc	36x20mmØ	SM	TN.82
1µf	630Vdc	36x22mmØ	SM	TN1.0
1.2µf	250Vdc	36x20mmØ	SY	TN1.2
1.5µf	400Vac	36x23mmØ	SE	TN1.5
2.0µf	400Vac	38x25mmØ	SE	TN2.0
3.3µf	100Vac	38x20mmØ	SE	TN3.3
3.9µf	100Vac	40x25mmØ	SE	TN3.9
4.7µf	100Vac	40x25mmØ	SE	TN4.7

### METALISED POLYPROYLENE MPT

#### DAYTON AUDIO DMPC RANGE

The high quality Dayton DMPC polypropylene capacitor is ideal for use in loudspeaker crossover networks, it is also suitable to use as coupling capacitors in the signal path of audio power amplifiers and preamplifiers. 250VDC, 5% tolerance, high purity, low-loss.



Value	Volts	Size	Code
0.1µF	250V	15x6mm	MPT-0.1
0.22µF	250V	19x8mmØ	MPT-0.22
0.33µF	250V	19x8.5mmØ	MPT-0.33
0.47µF	250V	25x8.5mmØ	MPT-0.47
0.68µF	250V	25x9.5mmØ	MPT-0.68
1µF	250V	31x10.5mmØ	MPT-1.0
1.5µF	250V	31x11mmØ	MPT-1.5
2µF	250V	31x13.5mmØ	MPT-2.0
2.2µF	250V	31x15mmØ	MPT-2.2
2.7µF	250V	31x16mmØ	MPT-2.7
3µF	250V	31x16.5mmØ	MPT-3.0
3.3µF	250V	31x17.5mmØ	MPT-3.3
4µF	250V	31x18mmØ	MPT-4.0
4.3µF	250V	31x18mmØ	MPT-4.3
4.7µF	250V	31x19mmØ	MPT-4.7
5.1µF	250V	31x20mmØ	MPT-5.1
5.6µF	250V	31x20mmØ	MPT-5.6
6.2µF	250V	31x21mmØ	MPT-6.2
6.8µF	250V	31x18mmØ	MPT-6.8
7.5µF	250V	46x20mmØ	MPT-7.5
8.2µF	250V	46x21.5mmØ	MPT-8.2
10µF	250V	46x22mmØ	MPT-10.0
12µF	250V	54x20mmØ	MPT-12.0
15µF	250V	56x25mmØ	MPT-15.0
18µF	250V	55x25mmØ	MPT-18.0
20µF	250V	56x28.5mmØ	MPT-20.0
25µF	250V	61x30mmØ	MPT-25.0
27µF	250V	61x30mmØ	MPT-27.0
30µF	250V	61x31mmØ	MPT-30.0
33µF	250V	61x33mmØ	MPT-33.0
40µF	250V	61x36mmØ	MPT-40.0
47µF	250V	61x39mmØ	MPT-47.0
50µF	250V	77x37mmØ	MPT-50.0
60µF	250V	77x39mmØ	MPT-60.0
68µF	250V	77x42mmØ	MPT-68.0
75µF	250V	77x45mmØ	MPT-75.0
90µF	250V	77x48mmØ	MPT-90.0
100µF	250V	77x51mmØ	MPT-100.0

### Capacitance Conversion Table

0.000,001µF =	0.001nF =	1pF	1R0
0.000,01µF =	0.01nF =	10pF	100
0.000,1µF =	0.1nF =	100pF	101
0.001µF =	1nF =	1,000pF	102
0.01µF =	10nF =	10,000pF	103
0.1µF =	100nF =	100,000pF	104
1µF =	1,000nF =	1,000,000pF	105
10µF =	10,000nF =	10,000,000pF	106
100µF =	100,000nF =	100,000,000pF	107



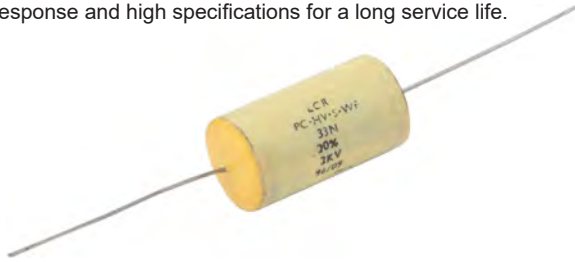


## □ Polypropylene

### METALISED POLYPROPYLENE KP

2000VDC / 600VAC AXIAL LCR / PC / HV / S / WF

Film-Foil Polypropylene Low Loss High Voltage and Current with fast response and high specifications for a long service life.



Value	Volts	Size	Code
.0012μf (1.2nf)	2KVdc	21x6mmØ	KP.0012
.0015μf (1.5nf)	2KVdc	21x7mmØ	KP.0015
.0018μf (1.8nf)	2KVdc	21x9mmØ	KP.0018
.0027μf (2.7nf)	2KVdc	26x7mmØ	KP.0027
.0033μf (3.3nf)	2KVdc	28x8mmØ	KP.0033
.0039μf (3.9nf)	2KVdc	28x8mmØ	KP.0039
.0047μf (4.7nf)	2KVdc	27x6mmØ	KP.0047
.0056μf (5.6nf)	2KVdc	27x9mmØ	KP.0056
.0068μf (6.8nf)	2KVdc	27x10mmØ	KP.0068
.0082μf (8.2nf)	2KVdc	28x8mmØ	KP.0082
.0091μf (9.1nf)	2KVdc	27x8mmØ	KP.0091
.0095μf (9.5nf)	2KVdc	27x8mmØ	KP.0095
.01μf (10nf)	2KVdc	27x9mmØ	KP.01
.011μf (11nf)	2KVdc	27x10mmØ	KP.011
.015μf (15nf)	2KVdc	33x11mmØ	KP.015
.022μf (22nf)	2KVdc	33x13mmØ	KP.022
.033μf (33nf)	2KVdc	33x17mmØ	KP.033
.039μf (39nf)	2KVdc	33x19mmØ	KP.039
.047μf (47nf)	2KVdc	32x16mmØ	KP.047

### METALISED POLYPROPYLENE PMT

250VDC / 160VAC AXIAL

Non-Inductive, wrap & fill with Polypropylene tape & Epoxy resin. Widely used in communication and electronic industries as timing integrating and filter networks. Tolerance 10%. -40°C +85°C.



Value	Volts	Size	Code
10nF	250Vdc	14x5mmØ	PMT.01
15nF	250Vdc	14x5mmØ	PMT.015
22nF	250Vdc	14x5mmØ	PMT.022
33nF	250Vdc	14x5mmØ	PMT.033
47nF	250Vdc	14x5mmØ	PMT.047
68nF	250Vdc	14x5mmØ	PMT.068
100nF	250Vdc	14x5mmØ	PMT.1
150nF	250Vdc	14x5mmØ	PMT.15
220nF	250Vdc	19x9mmØ	PMT.22
330nF	250Vdc	25x10mmØ	PMT.33
470nF	250Vdc	25x10mmØ	PMT.47
500nF	250Vdc	25x12mmØ	PMT.5
680nF	250Vdc	25x12mmØ	PMT.68
820nF	250Vdc	25x12mmØ	PMT.82
1μF	250Vdc	32x12mmØ	PMT1
1.5μF	250Vdc	32x15mmØ	PMT1.5
2.2μF	250Vdc	32x17mmØ	PMT2.2
2.7μF	250Vdc	32x17mmØ	PMT2.7
3.3μF	250Vdc	37x17mmØ	PMT3.3
3.9μF	250Vdc	37x19mmØ	PMT3.9
4.7μF	250Vdc	37x21mmØ	PMT4.7
5.6μF	250Vdc	47x19mmØ	PMT5.6
6.8μF	250Vdc	47x20mmØ	PMT6.8
8.2μF	250Vdc	47x25mmØ	PMT8.2
10μF	250Vdc	47x26mmØ	PMT10
12μF	250Vdc	47x29mmØ	PMT12
15μF	250Vdc	47x34mmØ	PMT15
20μF	250Vdc	57x31mmØ	PMT20

### POLYPROPYLENE 600VDC "ORANGE DROPS"

"Orange Drops" is the nickname for Spragues classic valve type polypropylene film capacitors, due to their colour and shape. This all new PPL range of 715 polypropylene film capacitors justify this reputation of sound quality and long-term reliability. Suitable for any Guitar and home HiFi valve amplifier restoration.



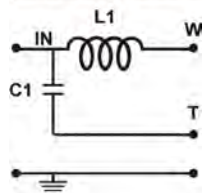
Value	Volts	Pitch	Code
.001μF	600V	10mm	.001PPL600
.0015μF	600V	10mm	.0015PPL600
.0022μF	600V	10mm	.0022PPL600
.0033μF	600V	10mm	.0033PPL600
.0047μF	600V	10mm	.0047PPL600
.01μF	600V	10mm	.01PPL600
.015μF	600V	10mm	.015PPL600
.022μF	600V	10mm	.022PPL600
.047μF	600V	19mm	.047PPL600
.068μF	600V	19mm	.068PPL600
.1μF	600V	19mm	.1PPL600
.15μF	600V	28mm	.15PPL600
.22μF	600V	25mm	.22PPL600
.47μF	400V*	25mm	.47PPL400

### 6dB CROSSOVER VALUES

Pick your desired crossover point, within the over-lap frequency response of the two drivers, this is the -3dB value. Read off the four component values, components within 10% will be fine.

-3dB	L-4Ω	C-4Ω	L-8Ω	C-8Ω
130Hz	4.7mH	300uF	10mH	150μF
200Hz	3.3mH	200uF	6.8mH	100μF
260Hz	2.4mH	150uF	4.7mH	75μF
400Hz	1.6mH	100uF	3.3mH	50μF
600Hz	1.0mH	68uF	2.0mH	33μF
800Hz	.82mH	50uF	1.6mH	26μF
1000Hz	.62mH	39uF	1.2mH	20μF
1200Hz	.51mH	33uF	1.0mH	16μF
1800Hz	.33mH	22uF	.68mH	10μF
4000Hz	.16mH	10uF	.33mH	5μF

Mathematically calculated assuming non reactive load

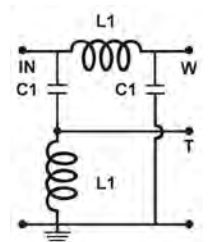


Courtesy Stones Sound Studio

### 12dB CROSSOVER VALUES

A 12dB crossover gives better filtering, at the expense of more components. Benefits include better sound as drivers are sharing less spectrum, improved power handling & protection and in-phase driver response at fx.

-3dB	L-4Ω	C-4Ω	L-8Ω	C-8Ω
130Hz	6.8mH	200uF	15mH	100μF
200Hz	4.7mH	150uF	9.1mH	75μF
260Hz	3.6mH	100uF	6.8mH	50μF
400Hz	2.2mH	68uF	4.7mH	33μF
600Hz	1.5mH	47uF	3.0mH	27μF
800Hz	1.0mH	33uF	2.0mH	15μF
1000Hz	.91mH	27uF	1.8mH	13μF
1200Hz	.75mH	22uF	1.5mH	11μF
1800Hz	.50mH	15uF	1.0mH	6.8μF
4000Hz	.22mH	6.8uF	.47mH	3.3μF



Courtesy Stones Sound Studio



## □ Polypropylene

### METALISED POLYPROPYLENE MKP1

#### 250VDC / 400VDC / 630VDC

High pulse applications, electronics ballast, timing, oscillators, etc.  
250Vdc(200Vac), 400Vdc(220Vac) 630Vdc(250Vac)  
MKP-1 Series Approval test - IEC384-16 / IEC68, 105°C

Value	Volts	Pitch	Code
0.047µF	250Vdc	15	.047MKP1-250
0.047µF	630Vdc	15	.047MKP1-630
0.068µF	250Vdc	15	.068MKP1-250
0.068µF	630Vdc	15	.068MKP1-630
0.1µF	400Vdc	15	.1MKP1-400
0.1µF	1000Vdc	22	.1MKP1-1000
0.15µF	400Vdc	15	.15MKP1-400
0.15µF	630Vdc	22	.15MKP1-630
0.22µF	400Vdc	15	.22MKP1-400
0.22µF	630Vdc	22	.22MKP1-630
0.33µF	400Vdc	22	.33MKP1-400
0.33µF	630Vdc	27	.33MKP1-630
0.47µF	400Vdc	22	.47MKP1-400
0.68µF	400Vdc	22	.68MKP1-400
1.0µF	400Vdc	22	1MKP1-400
1.5µF	400Vdc	27	1.5MKP1-400
2.2µF	400Vdc	27	2.2MKP1-400



### METALISED POLYPROPYLENE MKP2

#### MKP-2 Series IEC384-16 / IEC68

European quality, pulse application, electronics ballast, snubber, SCR commutating circuits, high current.

Value	Volts	Pitch	Code
0.01	400Vdc	15	.01MKP2-400
0.1	250Vdc	15	.1MKP2-250
0.1	400Vdc	15	.1MKP2-400
0.15	250Vdc	15	.15MKP2-250
0.15	400Vdc	15	.15MKP2-400
0.22	400Vdc	22	.22MKP2-400
0.33	400Vdc	22	.33MKP2-400



### METALISED POLYPROPYLENE MKP-X2

#### CLASS X2 MAINS FILTER SAFETY CAPACITORS

Specifically suitable for interference suppression and across-the-line type filtering applications.

Value	Volts	Pitch	Code
0.0047	275Vac	15	.0047MKPX2-275
0.01	275Vac	15	.01MKPX2-275
0.022	275Vac	15	.022MKPX2-275
0.033	275Vac	15	.033MKPX2-275
0.047	275Vac	15	.047MKPX2-275
0.068	275Vac	15	.068MKPX2-275
0.1	275Vac	15	.1MKPX2-275
0.22	275Vac	15	.22MKPX2-275
0.33	275Vac	15	.33MKPX2-275
0.33	275Vac	22	XGV.33
0.47	275Vac	22	.47MKPX2-275
0.68	275Vac	27	.68MKPX2-275
1	275Vac	27	1MKPX2-275
2.2	275Vac	27	2.2MKPX2-275



### METALISED POLYPROPYLENE MKP-Y2

Suppression Caps across mains & earth  
5000Vac pulse 10mm pitch

Value	Volts	Pitch	Code
.0068µF	250Vac	10mm	.0068MKPY2-250
.022µF	250Vac	15mm	.022MKPY2-250



## □ AC Motor Start

### MOTOR START CHASSIS MOUNT

#### DUAL 6.35mm TAGS & INSULATED BOLT

Non-Inductive construction Self-Healing property. Flame-Retardant Plastic & Epoxy. High Moisture-Resistance. Temp -25°C to +85°C. Tolerance ±5%. Short term Over-V tolerant. Quality Assurance Premium production. As used in Air conditioners, etc. motor start, motor run, across line, and many other mains applications.



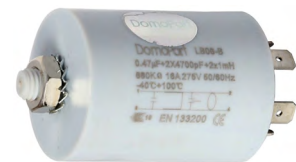
Value	Volts	Type	Size	Code
2.5µF	450V	6.4mm	30x57mm	2.5WTR450
3µF	450V	6.4mm	30x57mm	3WTR450
3.5µF	450V	6.4mm	30x57mm	3.5WTR450
4.5µF	450V	6.4mm	30x57mm	4.5WTR450
6µF	450V	6.4mm	30x57mm	6WTR450
7µF	450V	6.4mm	35x67mm	7WTR450
8µF	450V	6.4mm	35x67mm	8WTR450
10µF	450V	6.4mm	35x67mm	10WTR450
12µF	450V	6.4mm	39x77mm	12WTR450
14µF	450V	6.4mm	39x77mm	14WTR450
16µF	450V	6.4mm	39x77mm	16WTR450
18µF	450V	6.4mm	39x77mm	18WTR450
20µF	450V	6.4mm	42x83mm	20WTR450
25µF	450V	6.4mm	42x83mm	25WTR450
30µF	450V	6.4mm	42x100mm	30WTR450
40µF	450V	6.4mm	45x106mm	40WTR450
50µF	450V	6.4mm	51x106mm	50WTR450
60µF	450V	6.4mm	55x113mm	60WTR450

Value	Volts	Type	Size	Code
30µF	450V	Fly Lead	42X100mm	30WPR450
50µF	450V	Fly Lead	51X106mm	50WPR450

### MOTOR CAPACITOR 5 TAPS

- Insulated chassis mount with 5x Pins 6.5mm Tags.
- As used in white goods for motors & noise suppression, etc.
- 0.47µF + 2x 4700pF + 2x1mH + 680kΩ
- 16A 275Vac
- Size: 72x35mmØ

Code  
LB06B

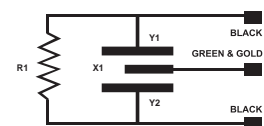


### SUPPRESSOR CAPACITOR CLASS X1 Y2

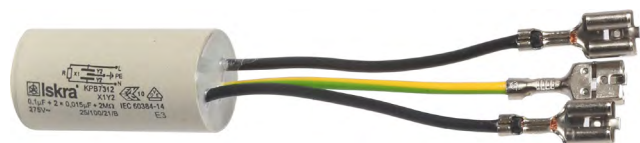
#### DUAL FILTER CAP WITH 6.5mm CONNECTORS

Two pole capacitor filter for radio-interference and noise suppression as used in white goods, etc.

- Class X1 capacitance 0.1µF
- Class Y2 capacitance 2x 0.015µF
- Resistor: 2MΩ
- 275Vac
- 35x19Ømm in size
- 3x 70mm leads to 6.5mm Spades



Length	Size	Code
70mm	35x19Ømm	KPB7312







## □ AC Motor Start

### MOTOR START VERTICAL MOUNT

#### POLYPROPYLENE FILM - 4.3mm TERMINALS

As used in air conditioners, etc.  
motor start, motor run, across line,  
and many other GP applications.

- Insulated mounting
- Non-Inductive construction
- Self-Healing property
- Flame-Retardant Plastic & Epoxy
- High Moisture-Resistance
- Temp -25°C to +85°C
- Tolerance ±5%
- Short term Over-V tolerant
- Quality Assurance
- Premium production



Value	Voltage	WxHxDmm	Code
1.5µf	450Vac	37x26x15	1.5SML450
1.8µf	450Vac	37x27x16	1.8SML450
2.0µf	250Vac	34x24x14	2SML250
2.0µf	350Vac	38x24x12	2SML350
2.0µf	400Vac	38x26x14	2SML400
2.0µf	450Vac	38x27x15	2SML450
3.0µf	250Vac	34x24x14	3SML250
3.0µf	350Vac	38x26x14	3SML350
3.0µf	400Vac	38x30x17	3SML400
3.0µf	450Vac	38x30x20	3SML450
4.0µf	250Vac	38x24x12	4SML250
4.0µf	350Vac	38x29x16	4SML350
4.0µf	400Vac	38x30x20	4SML400
4.0µf	450Vac	38x35x23	4SML450
5.0µf	250Vac	38x32x20	5SML250
5.0µf	350Vac	38x32x20	5SML350
5.0µf	400Vac	38x34x21	5SML400
5.0µf	450Vac	38x37x25	5SML450
6.0µf	250Vac	38x27x15	6SML250
6.0µf	350Vac	38x32x20	6SML350
6.0µf	400Vac	38x35x23	6SML400
6.0µf	450Vac	46x37x25	6SML450
8.0µf	250Vac	38x30x17	8SML250
8.0µf	350Vac	38x35x23	8SML350
8.0µf	400Vac	46x37x25	8SML400
8.0µf	450Vac	46x39x27	8SML450
9.0µF	500Vac	46x39x27	9SML500
10µf	250Vac	38x30x20	10SML250
10µf	350Vac	38x37x25	10SML350
10µf	400Vac	46x39x27	10SML400
10µf	450Vac	60x39x28	10SML450
20µf	250Vac	46x37x25	20SML250
20µf	350Vac	60x39x28	20SML350
20µf	400Vac	60x48x34	20SML400
20µf	450Vac	60x54x39	20SML450
25µf	250Vac	46x39x27	25SML250
30µf	250Vac	60x40x28	30SML250
30µf	350Vac	60x48x34	30SML350
40µf	250Vac	60x48x34	40SML250

SMR

SML

SMF

New High Standard  
Across Line Applications  
Power Factor Corrections  
Motor Run  
and more...



### MOTOR START HORIZONTAL MOUNT

#### POLYPROPYLENE FILM - 4.3mm TERMINALS

As used in air conditioners, etc.  
motor start, motor run, across line,  
and many other GP applications.



Value	Volts	WxHxDmm	Code
2.0µf	250Vac	33x20x12	2SMF250
2.0µf	350Vac	38x24x13	2SMF350
2.0µf	400Vac	38x25x14	2SMF400
2.0µf	450Vac	38x28x16	2SMF450
3.0µf	250Vac	33x24x14	3SMF250
3.0µf	350Vac	38x25x14	3SMF350
3.0µf	400Vac	38x30x18	3SMF400
3.0µf	450Vac	38x30x21	3SMF450
4.0µf	250Vac	38x24x13	4SMF250
4.0µf	350Vac	38x28x16	4SMF350
4.0µf	400Vac	38x30x20	4SMF400
4.0µf	450Vac	38x35x22	4SMF450
5.0µf	250Vac	38x28x13	5SMF250
5.0µf	350Vac	38x30x20	5SMF350
5.0µf	400Vac	38x30x21	5SMF400
5.0µf	450Vac	38x36x25	5SMF450
6.0µf	250Vac	38x28x16	6SMF250
6.0µf	350Vac	38x30x21	6SMF350
6.0µf	400Vac	38x35x23	6SMF400
6.0µf	450Vac	46x37x25	6SMF450
8.0µf	250Vac	38x28x16	8SMF250
8.0µf	350Vac	38x35x22	8SMF350
8.0µf	400Vac	46x37x25	8SMF400
8.0µf	450Vac	46x39x27	8SMF450
10µf	250Vac	38x30x20	10SMF250
10µf	350Vac	38x36x25	10SMF350
10µf	400Vac	46x39x27	10SMF400
20µf	250Vac	46x37x27	20SMF250

### MOTOR START CYLINDER TYPE

#### POLYPROPYLENE FILM - WIRE TERMINALS

Value	Volts	DxHmm	Code
2.0µf	500Vac	25x40	2SMR500
2.5µf	500Vac	25x40	2.5SMR500
3.1µf	450Vac	25x40	3.1SMR450
3.2µf	450Vac	25x40	3.2SMR450
5.0µf	450Vac	25x40	5SMR450
6.0µf	450Vac	30x40	6SMR450
8.0µf	450Vac	36x62	8SMR450
10µf	250Vac	31x41	10SMR250
10µf	350Vac	36x53	10SMR350
10µf	400Vac	36x53	10SMR400
16µf	450Vac	40x60	16SMR450
20µf	250Vac	36x53	20SMR250
20µf	350Vac	36x62	20SMR350
20µf	400Vac	41x61	20SMR400
20µf	450Vac	50x90	20SMR450
25µf	250Vac	36x62	25SMR250
25µf	350Vac	41x61	25SMR350
25µf	400Vac	46x77	25SMR400
30µf	250Vac	36x62	30SMR250
30µf	350Vac	41x61	30SMR350
30µf	400Vac	46x77	30SMR400
30µf	450Vac	45x89	30SMR450
36µf	450Vac	45x89	36SMR450
40µf	250Vac	41x61	40SMR250
40µf	350Vac	46x77	40SMR350
40µf	400Vac	52x90	40SMR400
60µf	250Vac	50x125	60SMR250
60µf	350Vac	52x90	60SMR350
60µf	400Vac	50x125	60SMR400
100µf	350Vac	52x115	100SMR350





## □ Electrolytic Radial

### TK-R ELECTROLYTIC 105°C

Higher quality capacitors for precision applications  
-55°C +105°C Long-Life Operating temperature.  
Rated Tolerance 20%. Low Leakage < 4µA  
TKR Capacitors are the RADIAL Lead types



SIZES: Sizes quoted here  
are as per the Jamicon  
Engineering catalogue  
listed specifications.  
Actual sizes may vary or  
change with stock.

Value	Volts	Size	Code
.1µf	100v	5x11	.1TKR100
.22µf	100v	5x11	.22TKR100
.33µf	100v	5x12	.33TKR100
.47µf	63v	5x11	.47TKR63
.47µf	100v	5x11	.47TKR100
.47µf	250v	6.3x11	.47TKR250
.47µf	400v	8x11	.47TKR400
1µf	63v	5x11	1TKR63
1µf	100v	5x11	1TKR100
1µf	160v	5x11	1TKR160
1µf	250v	6.3x11	1TKR250
1µf	350v	8x11	1TKR350
1µf	400v	8x11	1TKR400
1µf	450v	10x13	1TKR450
2.2µf	63v	5x11	2.2TKR63
2.2µf	100v	5x11	2.2TKR100
2.2µf	200v	6.3x11	2.2TKR200
2.2µf	250v	6.3x11	2.2TKR250
2.2µf	350v	8x11	2.2TKR350
2.2µf	400v	10x13	2.2TKR400
2.2µf	450v	13x21	2.2TKR450
3.3µf	25v	5x11	3.3TKR25
3.3µf	63v	5x11	3.3TKR63
3.3µf	100v	5x11	3.3TKR100
3.3µf	200v	6.3x11	3.3TKR200
3.3µf	250v	8x11	3.3TKR250
3.3µf	400v	10x13	3.3TKR400
3.3µf	450v	13x21	3.3TKR450
4.7µf	63v	5x11	4.7TKR63
4.7µf	100v	5x11	4.7TKR100
4.7µf	160v	6.3x11	4.7TKR160
4.7µf	250v	8x11	4.7TKR250
4.7µf	350v	10x13	4.7TKR350
4.7µf	400v	10x16	4.7TKR400
4.7µf	450v	13x21	4.7TKR450
6.8µf	63v	5x12	6.8TKR63
6.8µf	100v	6.3x12	6.8TKR100
6.8µf	160v	10x13	6.8TKR160
6.8µf	250v	10x13	6.8TKR250
6.8µf	400v	13x22	6.8TKR400
10µf	16v	5x11	10TKR16
10µf	25v	5x11	10TKR25
10µf	63v	5x11	10TKR63
10µf	100v	6.3x11	10TKR100
10µf	160v	8x11	10TKR160
10µf	200v	10x13	10TKR200
10µf	250v	10x16	10TKR250
10µf	350v	10x21	10TKR350
10µf	400v	13x21	10TKR400
10µf	450v	16x25	10TKR450
22µf	16v	5x11	22TKR16
22µf	25v	5x11	22TKR25
22µf	35v	5x11	22TKR35
22µf	63v	5x11	22TKR63
22µf	100v	6.3x11	22TKR100
22µf	200v	10x21	22TKR200
22µf	250v	10x21	22TKR250

Value	Volts	Size	Code
22µf	300v	13x26	22TKR350
22µf	400v	13x26	22TKR400
22µf	450v	16x32	22TKR450
33µf	35v	5x11	33TKR35
33µf	63v	6.3x11	33TKR63
33µf	100v	8x11	33TKR100
33µf	160v	10x21	33TKR160
33µf	200v	13x21	33TKR200
33µf	250v	13x21	33TKR250
33µf	350v	16x25	33TKR350
33µf	400v	16x35	33TKR400
33µf	450v	18x35	33TKR450
47µf	16v	5x11	47TKR16
47µf	25v	5x11	47TKR25
47µf	35v	5x11	47TKR35
47µf	63v	6.3x11	47TKR63
47µf	100v	10x13	47TKR100
47µf	160v	13x21	47TKR160
47µf	200v	13x21	47TKR200
47µf	250v	13x26	47TKR250
47µf	350v	16x35	47TKR350
47µf	400v	18x35	47TKR400
47µf	400v	22x25	47HSW400
47µf	450v	16x30	47TKR450
56µf	16v	5x11	56TKR16
56µf	63v	8x12	56TKR63
56µf	400v	22x25	56HSW400
68µf	35v	6.3x12	68TKR35
68µf	63v	10x13	68TKR63
68µf	160v	13x27	68TKR160
68µf	250v	16x31	68TKR250
68µf	400v	16x36	68TKR400
68µf	450v	18x42	68TKR450
82µf	200v	16x25	82TKR200
82µf	400v	22x43	82TKR400
82µf	450v	25x25	82HSW450
100µf	16v	5x11	100TKR16
100µf	25v	6.3x11	100TKR25
100µf	35v	6.3x11	100TKR35
100µf	63v	10x13	100TKR63
100µf	100v	10x21	100TKR100
100µf	160v	13x26	100TKR160
100µf	200v	16x25	100TKR200
100µf	250v	16x32	100TKR250
100µf	350v	18x42	100TKR350
100µf	400v	20x40	100TKR400
100µf	400v	25x25	100HSW400
100µf	450v	25x50	100TKR450
100µf	450v	22x35	100HSW450
120µf	400v	22x46	120TKR400
150µf	200v	22x32	150HSW200
150µf	400v	25x47	150TKR400
150µF	400v	30x25	150HSW400
150µf	450v	25x45	150HSW450
220µf	16v	6.3x11	220TKR16
220µf	25v	8x11	220TKR25
220µf	35v	8x11	220TKR35
220µf	63v	10x26	220TKR63
220µf	100v	13x25	220TKR100
220µf	160v	16x35	220TKR160
220µf	200v	18x42	220TKR200
220µf	200v	22x25	220HSW200
220µf	250v	18x43	220TKR250
220µf	400v	22x50	220TKR400
220µf	400v	30x35	220HSW400
220µf	450v	25x45	220HSW450
330µf	16v	8x11	330TKR16
330µf	25v	8x11	330TKR25
330µf	35v	10x13	330TKR35
330µf	63v	10x21	330TKR63
330µf	100v	13x26	330TKR100
330µf	160v	18x42	330TKR160
330µf	200v	18x43	330TKR200





## TK-R ELECTROLYTIC 105°C

Continued...

Value	Volts	Size	Code
330µf	200v	22x30	330HSW200
330µf	250v	22x50	330TKR250
330µf	400v	30x52	330HSW400
470µf	10v	6x11	470TKR10
470µf	16v	8x11	470TKR16
470µf	25v	10x13	470TKR25
470µf	35v	10x16	470TKR35
470µf	63v	13x21	470TKR63
470µf	100v	16x25	470TKR100
470µf	160v	22x40	470TKR160
470µf	200v	26x42	470TKR200
470µf	350v	35x46	470HSW350
470µf	450v	35x52	470HSW450
560µf	200v	25x35	560HSW200
680µf	16v	10x13	680TKR16
680µf	25v	10x21	680TKR25
680µf	63v	16x33	680TKR63
680µf	200v	30x30	680HSW200
680µf	250v	35x30	680HSW250
820µf	250v	30x36	820HSW250
1000µf	6v	8x11	1000TKR6
1000µf	10v	10x20	1000TKR10
1000µf	16v	10x16	1000TKR16
1000µf	25v	10x21	1000TKR25
1000µf	35v	13x21	1000TKR35
1000µf	63v	16x25	1000TKR63
1000µf	100v	16x42	1000TKR100
1000µf	100v	26x45	1000HSW100
1000µf	200v	30x41	1000HSW200
1000µf	250v	30x45	1000HSW250
1200µf	35v	13x25	1200TKR35
1500µf	35v	16x30	1500TKR35
1500µf	200v	35x46	1500HSW200
1800µf	35v	16x25	1800TKR35
2200µf	6v	10x16	2200TKR6
2200µf	10v	10x16	2200TKR10
2200µf	16v	13x21	2200TKR16
2200µf	25v	13x26	2200TKR25
2200µf	35v	16x25	2200TKR35
2200µf	63v	22x34	2200TKR63
2200µf	63v	25x30	2200HSW63
2200µf	100v	30x36	2200HSW100
3300µf	10v	13x21	3300TKR10
3300µf	16v	16x25	3300TKR16
3300µf	25v	16x25	3300TKR25
3300µf	35v	16x35	3300TKR35
3300µf	63v	25x51	3300HSW63
3300µf	100v	30x46	3300HSW100
4700µf	6v	13x21	4700TKR6
4700µf	10v	13x21	4700TKR10
4700µf	16v	16x25	4700TKR16
4700µf	25v	16x32	4700TKR25
4700µf	35v	18x35	4700TKR35
4700µf	63v	25x49	4700TKR63
4700µf	63v	36x60	4700RPS63
4700µf	100v	30x52	4700HSW100
6800µf	10v	12x25	6800TKR10
6800µf	16v	16x32	6800TKR16
6800µf	25v	18x35	6800TKR25
6800µf	35v	22x45	6800TKR35
6800µf	63v	30x52	6800HSW63
10,000µf	10v	16x35	10000TKR10
10,000µf	16v	18x35	10000TKR16
10,000µf	25v	22x40	10000TKR25
10,000µf	25v	25x51	10000HSW25
10,000µf	35v	25x45	10000HSW35
10,000µf	35v	22x40	10000TKR35
10,000µf	63v	35x42*	10000HSW63B
10,000µf	63v	30x50*	10000HSW63A
10,000µf	6v	8x11	10000TKR6
10,000µf	100v	35x72	10000HSW100
15,000µf	25v	25x45	15000HSW25
15,000µf	100v	51x90	15000RPS100

## HSW SERIES ELECTROLYTIC

"Snap-In" PCB type Electrolytic capacitors. 105°C  
Rated Tolerance 20%.  
Low Leakage < 4µA  
Temperatures -40°C +105°C



Value	Volts	Size	Code
47µf	400v	22x25	47HSW400
56µf	400v	22x25	56HSW400
100µf	400v	25x25	100HSW400
100µf	450v	22x35	100HSW450
150µf	200v	22x32	150HSW200
150µF	400v	30x25	150HSW400
150µf	450v	25x45	150HSW450
220µf	200v	22x25	220HSW200
220µf	400v	30x35	220HSW400
220µf	450v	25x45	220HSW450
330µf	200v	22x30	330HSW200
330µf	400v	30x52	330HSW400
470µf	350v	35x46	470HSW350
470µf	450v	35x52	470HSW450
560µf	200v	25x35	560HSW200
680µf	200v	30x30	680HSW200
680µf	250v	35x30	680HSW250
820µf	250v	30x36	820HSW250
1000µf	100v	26x45	1000HSW100
1000µf	200v	30x41	1000HSW200
1000µf	250v	30x45	1000HSW250
1500µf	200v	35x46	1500HSW200
2200µf	63v	25x30	2200HSW63
2200µf	100v	30x36	2200HSW100
3300µf	63v	25x51	3300HSW63
3300µf	100v	30x46	3300HSW100
4700µf	100v	30x52	4700HSW100
6800µf	63v	30x52	6800HSW63
10,000µf	25v	25x51	10000HSW25
10,000µf	35v	25x45	10000HSW35
10,000µf	63v	30x50*	10000HSW63A
10,000µf	63v	35x42*	10000HSW63B
10,000µf	100v	35x72	10000HSW100
15,000µf	25v	25x45	15000HSW25

## LARGE VALUE POWER SUPPLY CAPACITORS

As used in audio amplifiers etc.

### 15,000µF 100Vdc SCREW TERMINALS

Value	Volts	Size	Code
15,000µf	100v	51x90	15000RPS100



### 4,700µF 63Vdc SCREW TERMINALS

Value	Volts	Size	Code
4700µf	63v	36x60	4700RPS63



### 10,000µF RADIAL PCB SNAP-IN

Value	Volts	Size	Code
10,000µf	25v	25x51	10000HSW25
10,000µf	35v	25x45	10000HSW35
10,000µf	63v	30x50*	10000HSW63A
10,000µf	63v	35x42*	10000HSW63B
10,000µf	100v	35x72	10000HSW100





## □ Electrolytic Radial

### LOW IMPEDANCE CAPACITOR EXR

#### SWITCH-MODE POWER SUPPLIES & HIGH FREQUENCY

Ideal for use in switching power supplies and other HF applications.  
Low impedance and long service life at high working temperatures.

Temperature -55°C +105°C

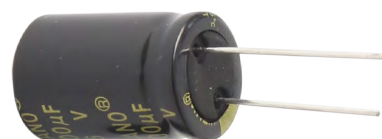
Leakage Current < 4μA

Tolerance 20%



Value	Volts	Size	Code
1μf	160v	7x11	1EXR160
2.2μf	63v	7x11	2.2EXR63
2.2μf	100v	7x11	2.2EXR100
2.2μf	160v	7x11	2.2EXR160
3.3μf	63v	8x11	3.3EXR63
3.3μf	160v	8x11	3.3EXR160
4.7μf	63v	5x11	4.7EXR63
4.7μf	100v	5x11	4.7EXR100
6.8μf	63v	5x11	6.8EXR63
6.8μf	100v	5x11	6.8EXR100
10μf	16v	5x11	10EXR16
10μf	25v	5x11	10EXR25
10μf	35v	5x11	10EXR35
10μf	63v	5x11	10EXR63
10μf	100v	7x11	10EXR100
22μf	16v	5x11	22EXR16
22μf	25v	5x11	22EXR25
22μf	35v	5x11	22EXR35
22μf	63v	6x11	22EXR63
22μf	100v	8x12	22EXR100
33μf	16v	5x11	33EXR16
33μf	25v	5x11	33EXR25
33μf	35v	6x11	33EXR35
33μf	50v	6x11	33EXR50
33μf	63v	6x11	33EXR63
33μf	100v	10x20	33EXR100
47μf	16v	5x11	47EXR16
47μf	25v	5x11	47EXR25
47μf	35v	6x11	47EXR35
47μf	50v	6x11	47EXR50
47μf	63v	8x12	47EXR63
47μf	100v	10x16	47EXR100
68μf	16v	6x11	68EXR16
68μf	25v	6x11	68EXR25
68μf	35v	6x11	68EXR35
68μf	50v	8x12	68EXR50
68μf	63v	10x14	68EXR63
68μf	100v	10x20	68EXR100
100μf	10v	10x20	100EXR10
100μf	16v	6x11	100EXR16
100μf	25v	6x11	100EXR25
100μf	35v	8x12	100EXR35
100μf	50v	10x14	100EXR50
100μf	63v	10x16	100EXR63
100μf	100v	13x22	100EXR100
150μf	10v	6x11	150EXR10
150μf	16v	8x12	150EXR16
150μf	25v	8x12	150EXR25
150μf	35v	10x12	150EXR35
150μf	50v	10x16	150EXR50
150μf	63v	10x20	150EXR63
150μf	100v	13x25	150EXR100
220μf	10v	6x11	220EXR10

Value	Volts	Size	Code
220μf	16v	8x11	220EXR16
220μf	25v	8x12	220EXR25
220μf	35v	10x16	220EXR35
220μf	50v	10x20	220EXR50
220μf	63v	13x22	220EXR63
220μf	100v	16x27	220EXR100
330μf	10v	8x12	330EXR10
330μf	16v	8x12	330EXR16
330μf	25v	8x14	330EXR25
330μf	35v	10x20	330EXR35
330μf	50v	10x20	330EXR50
330μf	63v	13x22	330EXR63
330μf	100v	16x26	330EXR100
470μf	10v	8x11	470EXR10
470μf	16v	10x13	470EXR16
470μf	25v	10x16	470EXR25
470μf	35v	10x20	470EXR35
470μf	63v	13x25	470EXR63
470μf	100v	18x32	470EXR100
680μf	10v	8x14	680EXR10
680μf	16v	10x16	680EXR16
680μf	25v	10x20	680EXR25
680μf	35v	13x22	680EXR35
680μf	50v	13x26	680EXR50
680μf	63v	16x27	680EXR63
680μf	100v	18x40	680EXR100
820μf	16v	10x16	820EXR16
820μf	25v	13x25	820EXR25
1000μf	10v	10x20	1000EXR10
1000μf	16v	10x20	1000EXR16
1000μf	25v	13x22	1000EXR25
1000μf	35v	13x25	1000EXR35
1000μf	50v	16x27	1000EXR50
1000μf	63v	16x32	1000EXR63
1500μf	10v	10x20	1500EXR10
1500μf	16v	13x21	1500EXR16
1500μf	25v	13x26	1500EXR25
1500μf	35v	16x27	1500EXR35
1500μf	50v	16x30	1500EXR50
1500μf	63v	18x33	1500EXR63
2200μf	10v	10x20	2200EXR10
2200μf	16v	13x22	2200EXR16
2200μf	25v	16x25	2200EXR25
2200μf	35v	16x32	2200EXR35
2200μf	50v	18x36	2200EXR50
2200μf	63v	18x40	2200EXR63
3300μf	10v	13x21	3300EXR10
3300μf	16v	16x27	3300EXR16
3300μf	25v	16x27	3300EXR25
3300μf	35v	18x36	3300EXR35
4700μf	10v	16x25	4700EXR10
4700μf	16v	16x32	4700EXR16
4700μf	25v	18x36	4700EXR25







## □ Electrolytic Radial

### TX ELECTROLYTIC HIGH-RIPPLE

#### HIGH RIPPLE CURRENT - LOW E.S.R. - HIGH RELIABILITY

High ripple current, high operating temperature, and long working life. The TX series is a low ESR (equivalent series resistance) designed for electronic ballast, adaptor and switching power, etc.

Temperature -40°C +105°C

Leakage Current < 10µA

Tolerance 20%

Surge +25% max. Rated V



Value	Volts	Size	Code
1µF	450	10x13	1TX450
2.2µF	250	8x11	2.2TX250
2.2µF	400	10x13	2.2TX400
2.2µF	450	10x16	2.2TX450
2.2µF	200	8x11	3.3TX200
3.3µF	350	10x13	3.3TX350
3.3µF	400	10x16	3.3TX400
3.3µF	450	10x21	3.3TX450
4.7µF	250	10x16	4.7TX250
4.7µF	400	10x21	4.7TX400
4.7µF	450	13x21	4.7TX450
10µF	400	10x26	10TX400
10µF	450	13x21	10TX450
22µF	200	10x21	22TX200
22µF	350	13x21	22TX350
22µF	400	13x26	22TX400
22µF	450	16x25	22TX450
33µF	350	13x26	33TX350
33µF	400	13x26	33TX400
33µF	450	16x32	33TX450
47µF	250	13x26	47TX250
47µF	400	16x25	47TX400
47µF	450	18x32	47TX450
68µF	400	16x32	68TX400
68µF	450	18x35	68TX450
100µF	250	16x32	100TX250
100µF	400	18x35	100TX400
150µF	200	16x32	150TX200
150µF	250	18x32	150TX250
220µF	160	16x32	220TX160
220µF	200	18x35	220TX200
220µF	250	18x40	220TX250

### SS-R MINIATURE ELECTROLYTIC CAPACITORS

Developed for high density electronic equipment with max space efficiency.

Temperature -40 +85°C

Tolerance ±20% (120Hz 25°C)



Value	Volts	Size	Code
.1 µf	50V	4.2x7.5	.1SSR50
.22 µf	50v	4.2x7.5	.22SSR50
.33 µf	63v	4.2x7.5	.33SSR50
.47 µf	50v	4.2x7.5	.47SSR50
1 µf	50v	4.2x7.5	1SSR50
2.2 µf	50v	4.2x7.5	2.2SSR50
3.3 µf	63v	5.2x7.5	3.3SSR63
4.7 µf	25v	4.2x7.5	4.7SSR25
4.7 µf	50v	4.2x7.5	4.7SSR50
4.7 µf	63v	6.5x7.5	4.7SSR63
10 µf	16v	4.2x7.5	10SSR16
10 µf	25v	4.2x7.5	10SSR25
10 µf	35v	5.2x7.5	10SSR35
10 µf	50v	5.2x7.5	10SSR50
22 µf	16v	4.2x7.5	22SSR16
22 µf	25v	5.2x7.5	22SSR25
33 µf	16v	5.2x7.5	33SSR16
33 µf	25v	6.5x7.5	33SSR25
47 µf	10v	5.2x7.5	47SSR10
47 µf	16v	6.5x7.5	47SSR16
47 µf	25v	6.5x7.5	47SSR25
100 µf	16v	7.0x7.5	100SSR16

### WL-R MINIATURE LOW-IMPEDANCE

Jamicon WL Series Radial. Developed for modern switch mode power supply applications. Very rugged design with lower impedance at high frequency and high ripple current, packaged in a small case.

Not suitable for audio.

Temperature -55°C to +105°C

Tolerance ±20% (120Hz 25°C)



Value	Volts	Size	Code
.47 µf	100v	5x12	.47WLR100
1 µf	100v	5x12	1WLR100
2.2 µf	100v	5x12	2.2WLR100
3.3 µf	100v	5x12	3.3WLR100
4.7 µf	63v	5x12	4.7WLR63
4.7 µf	100v	6.5x12	4.7WLR100
10 µf	35v	5x12	10WLR35
10 µf	63v	6.5x12	10WLR63
10 µf	100v	8x12	10WLR100
22 µf	35v	5x12	22WLR35
22 µf	63v	6.5x12	22WLR63
22 µf	100v	10x13	22WLR100
47 µf	35v	5x12	47WLR35
47 µf	63v	8x12	47WLR63
47 µf	100v	10x13	47WLR100
100 µf	16v	5x12	100WLR16
100 µf	25v	6.5x12	100WLR25
100 µf	35v	8x12	100WLR35
100 µf	63v	10x13	100WLR63
100 µf	100v	13x21	100WLR100
220 µf	16v	6.5x12	220WLR16
220 µf	25v	8x12	220WLR25
220 µf	35v	8x16	220WLR35
220 µf	63v	10x20	220WLR63
330 µf	25v	10x13	330WLR25
330 µf	35v	10x16	330WLR35
330 µf	63v	13x26	330WLR63
470 µf	16v	10x13	470WLR16
470 µf	25v	10x16	470WLR25
470 µf	35v	10x21	470WLR35
470 µf	63v	13x21	470WLR63
680 µf	25v	10x21	680WLR25
680 µf	35v	16x16	680WLR35
680 µf	63v	13x31	680WLR63
1000 µf	16v	10x21	1000WLR16
1000 µf	25v	10x26	1000WLR25
1000 µf	35v	13x26	1000WLR35
1000 µf	63v	16x25	1000WLR63
1200 µf	35v	16x22	1200WLR35
1500 µf	35v	16x25	1500WLR35
2200 µf	16v	13x26	2200WLR16
2200 µf	25v	16x25	2200WLR25
2200 µf	35v	16x32	2200WLR35
2200 µf	63v	18x42	2200WLR63
4700 µf	16v	16x32	4700WLR16

### LONG LIFE ELECTROLYTIC CAPACITOR

#### LOW IMPEDANCE, HIGH RELIABILITY

Low impedance electrolytic capacitor.

Long life with 5000 hours of load life.

Value	Volts	Size	Code
1000µf	10V	9x14	1000TLR10
1500µf	16V	9x21	1500TLR16
3300µf	6.3V	9x29	3300TLR6.3





## □ Cerafine

### ELNA CERAFINE ELECTROLYTIC AUDIO

#### HIGH-END SUPER-FAST AUDIO

Made in Japan. Contains super fine ceramic particles which improve the discharging speed. Ideal for upgrade of High-End valve, transistor preamps, amplifiers, filters and power supplies. Beautifully suited for DC coupling. Due to their mechanical build they are less sensitive to externally generated noise resulting in even lower distortion. These capacitors are as good as the Black Gates series but at a lower price. A premium quality product exclusive.

- True Audio Reproduction by the suppression of electrical noise due to external vibration
- High Frequency and Temperature Stability.
- Good Long Term Mechanical Reliability
- Low Dielectric Absorption Factor.
- Low Equivalent Series Resistance
- Low Self Inductance.
- Low Dissipation Factor.
- High Insulation Resistance.
- Good Current Capacity.
- Low Loss.



Value	Volts	Size	Pitch	Code
.47uf	100Vdc	5x11	2mm	CER.47
1uf	100Vdc	5x11	2mm	CER1
2.2uf	100Vdc	6.3x11	2.5mm	CER2.2
3.3uf	100Vdc	8x11	3.5mm	CER3.3
4.7uf	100Vdc	8x11	3.5mm	CER4.7
10uf	100Vdc	10x12	5mm	CER10
22uf	100Vdc	10x20	5mm	CER22
33uf	100Vdc	12x20	5mm	CER33
47uf	100Vdc	12x25	5mm	CER47
100uf	100Vdc	16x25	7.5mm	CER100
220uf	100Vdc	18x40	7.5mm	CER220

### LARGE VALUE POWER SUPPLY CAPACITORS

As used in audio amplifiers etc.

#### SCREW TERMINALS

Value	Volts	Size	Code
4700µf	63v	36x60	4700RPS63
15,000µf	100v	51x90	15000RPS100

#### 10,000µF SNAP-IN PCB MOUNT

Value	Volts	Size	Code
10,000µf	25v	25x51	10000HSW25
10,000µf	35v	25x45	10000HSW35
10,000µf	63v	30x50*	10000HSW63A
10,000µf	63v	35x42*	10000HSW63B
10,000µf	100v	35x72	10000HSW100



## □ Electrolytic Backup

### GOLD CAPS

#### BACKUP CAPACITORS

##### 0.22F 5.5V

Code  
GC.22

##### 0.47F 5.5V

Code  
GC.47

##### 1.0F 5.5V

Code  
GC1



## □ Electrolytic Radial

### METAL CAN DUAL CAPACITOR 50+50

#### 50+50µF 250Vdc

LCR Brand made in UK PCB Mount pins (3X). Plain Negative. FAC/SD28D

Value	Volts	Size	Code
50µF+50µF	250V	40X30mmØ	100C250



### METAL CAN DUAL CAPACITOR 225+25

#### 25+225µF 385Vdc

LCR Brand made in UK PCB Mount pins (3X). Plain Negative. FAC/SD29D

Value	Volts	Size	Code
225µF+25µF	385V	40x40mmØ	250C385



### F&T DUAL VALUE RADIAL CAPACITOR 32+32

#### 32+32µF 500V

F&T direct replacement type caps, dual value electrolytic aluminium Premium quality made in Germany.

Value	Volts	Size	Code
32µF+32µF	500V	52x35Ø	FT32X32



### F&T DUAL VALUE RADIAL CAPACITOR 50+50

#### 50+50µF 500Vdc

F&T direct replacement type caps, dual value electrolytic aluminium Premium quality made in Germany.

Value	Volts	Size	Code
50µF+50µF	500V	52x35Ø	FT50X50



### F&T DUAL VALUE RADIAL CAPACITOR 100+100

#### 100+100µF 500Vdc

F&T direct replacement type caps, dual value electrolytic aluminium Premium quality made in Germany.

Value	Volts	Size	Code
100µF+100µF	500V	66x35Ø	FT100X100

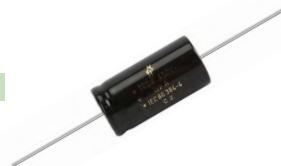


### F&T AXIAL CAPACITOR 100

#### 100µF 450VDC

Genuine Fischer & Tausche GmbH metallized film foil aluminium capacitor.

Value	Volts	Size	Code
100µf	450v	50x25mmØ	100RT450



### HIGH VOLTAGE CAPACITORS

#### AS USED IN MICROWAVE OVENS

Metal can type replacement capacitors to suit microwave ovens. 53mm(W) x 33mm (D) x (H).

Value	Voltage	Height	TAB.	Code
0.60µF	2100	85	6.3mm	MWC601
0.86µF	2100	70	6.3mm	MWC86
0.91µF	2100	80	6.3mm	MWC91
0.91µF	2350	100	6.3mm	MWC604
0.95µF	2100	75	6.3mm	MWC613
1.00µF	2100	80	6.3mm	MWC614
1.05µF	2100	90	6.3mm	MWC615
1.07µF	2100	75	6.3mm	MWC631
1.07µF	2200	90	6.3mm	MWC633
1.10µF	2100	80	6.3mm	MWC616
1.13µF	2100	90	6.3mm	MWC628
1.14µF	2100	90	4.6mm	MWC114-4
1.14µF	2100	79	6.3mm	MWC114-6







## □ Electrolytic Axial

### AXIAL RT ELECTROLYTIC CAPACITORS

Axial lead terminated for horizontal mount on strip terminals, etc.

Value	Volts	Size	Code
.47µf	63v	14x6mmØ	.47RT63
1µf	63v	13x6mmØ	1RT63
2.2µf	63v	13x6mmØ	2.2RT63
3.3µf	16v	13x6mmØ	3.3RT16
4.7µf	63v	13x6mmØ	4.7RT63
10µf	63v	13x6mmØ	10RT63
22µf	63v	14x6mmØ	22RT63
33µf	35v	13x6mmØ	33RT35
33µf	63v	16x8mmØ	33RT63
47µf	16v	13x6mmØ	47RT16
47µf	25v	13x6mmØ	47RT25
47µf	63v	15x8mmØ	47RT63
47µf	160v	30x15mmØ	47RT160
100µf	16v	13x6mmØ	100RT16
100µf	25v	13x6mmØ	100RT25
100µf	63v	17x10mmØ	100RT63
100µf	450v	50x25mmØ	100RT450
220µf	25v	13x8mmØ	220RT25
220µf	63v	21x13mmØ	220RT63
330µf	25v	18x10mmØ	330RT25
470µf	16v	16x8mmØ	470RT16
470µf	25v	18x10mmØ	470RT25
470µf	63v	29x16mmØ	470RT63
1000µf	16v	21x10mmØ	1000RT16
1000µf	25v	21x13mmØ	1000RT25
1000µf	63v	31x16mmØ	1000RT63
2200µf	25v	25x13mmØ	2200RT25
2200µf	63v	40x20mmØ	2200RT63
4700µf	25v	33x18mmØ	4700RT25



## “ATOM” AXIAL ELECTROLYTIC CAPACITORS

### TVA SERIES SPRAGUE - HIGH VOLTAGE

Sprague Type TVA Atom Aluminium Tubular Axial Electrolytic Capacitors. Excellent sonics For Tube Guitar Amps and audiophile Hi-Fi. These sturdy, axial lead, aluminium electrolytic capacitors are preferred by most craftsmen for authentic vintage guitar amp and hi-fi restorations. Many of the best sounding classic guitar amps by Fender, Ampeg, Magnatone, Valco and many others used Sprague Atom series electrolytics.

- Temperature -40°C +85°C
- Low Leakage Current
- Long Shelf Life



Value	Volts	Size	Code
8µF	150V	21x9mmØ	8ATM150
8µF	450V	44x12mmØ	8ATM450
10µF	150V	21x9mmØ	10ATM150
10µF	500V	42x19mmØ	10ATM500
16µF	475V	42x22mmØ	16ATM475
20µF	500V	54x22mmØ	20ATM500
20µF	600V	99x27mmØ	20ATM600
25µF	25V	13x6mmØ	25ATM25
25µF	50V	18x7mmØ	25ATM50
30µF	500V	41x25mmØ	30ATM500
40µF	500V	60x25mmØ	40ATM500
50µF	50V	21x8mmØ	50ATM50
80µF	450V	67x25mmØ	80ATM450
100µF	100V	38x11mmØ	100ATM100
100µF	350V	67x25mmØ	100ATM350
100µF	450V	79x32mmØ	100ATM450
250µF	25V	24x9mmØ	250ATM25

## □ Electrolytic Axial Non-Polarised

### NON POLARISED AXIAL ELECTROLYTIC

Axial lead terminated for horizontal mount.  
As used in speaker cross-overs, etc.

Value	Volts	Size	Code
1µF	100V	8x17	1RY100
2.2µF	100V	8x17	2.2RY100
3.3µF	100V	8x19	3.3RY100
3.9µF	100V	8x19	3.9RY100
4.7µF	100V	8x19	4.7RY100
6.8µF	100V	10x19	6.8RY100
10µF	100V	10x19	10RY100
15µF	100V	10x19	15RY100
22µF	100V	10x24	22RY100
33µF	100V	13x27	33RY100
47µF	100V	13x27	47RY100
68µF	100V	16x34	68RY100
100µF	100V	16x34	100RY100
150µF	100V	16x34	150RY100
220µF	100V	18x40	220RY100
330µF	100V	18x40	330RY100
470µF	100V	22x50	470RY100



## □ Electrolytic Radial Non-Polarised

### NON POLARISED CAPACITORS

General purpose electrolytic capacitor for circuits with reversing polarity voltages.

- Temperature -40°C +105°C
- Tolerance 20%

Value	Volts	Size	Code
.47µF	100V	5x11	.47NP100
1µF	50V	5x11	1NP50
1µF	100V	5x11	1NP100
2.2µF	50V	5x11	2.2NP50
2.2µF	100V	5x11	2.2NP100
3.3µF	50V	5x11	3.3NP50
3.3µF	100V	6.3x11	3.3NP100
4.7µF	100V	8x12	4.7NP100
6.8µF	50V	6.3x11	6.8NP50
10µF	50V	6.3x11	10NP50
10µF	100V	8x12	10NP100
22µF	50V	8x12	22NP50
22µF	100V	10x16	22NP100
33µF	50V	8x12	33NP50
33µF	100V	10x21	33NP100
47µF	50V	8x12	47NP50
47µF	100V	13x21	47NP100
100µF	50V	10x16	100NP50
100µF	100V	16x26	100NP100
220µF	50V	13x21	220NP50
330µF	50V	16x26	330NP50
470µF	35V	13x26	470NP35
470µF	50V	16x32	470NP50



## BI-POLAR CAPACITORS

### RADIAL NON-POLARISED

BP series are wide frequency, high current types.



Value	Volts	Size	Code
2.2µF	63V	13x25	2.2BP63
3.3µF	63V	16x25	3.3BP63
4.7µF	63V	16x32	4.7BP63
6.8µF	63V	16x36	6.8BP63
10µF	63V	18x36	10BP63
15µF	63V	18x41	15BP63





## Inductors

### Fixed

#### INDUCTORS RF CHOKES

Packaged 5 pieces per bag with header for easy identification.

Tolerance 10%

Lead Length 62mm

RFC1UH - RFC1MH

Size 10x4mmØ

RFC1.5MH+

Size 12x4mmØ

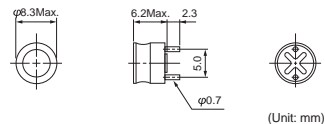


L	DCΩ	I <sub>max</sub>	Pack of	Code
1.0μH	0.09	920mA	5	RFC1UH
1.5μH	0.23	830mA	5	RFC1.5UH
2.2μH	0.28	750mA	5	RFC2.2UH
3.3μH	0.34	670mA	5	RFC3.3UH
4.7μH	0.39	620mA	5	RFC4.7UH
6.8μH	0.48	550mA	5	RFC6.8UH
8.2μH	0.52	530mA	5	RFC8.2UH
10μH	0.58	500mA	5	RFC10UH
15μH	0.72	460mA	5	RFC15UH
22μH	0.84	410mA	5	RFC22UH
33μH	1.03	370mA	5	RFC33UH
47μH	1.22	340mA	5	RFC47UH
82μH	1.62	290mA	5	RFC82UH
100μH	1.80	275mA	5	RFC100UH
150μH	4.20	175mA	5	RFC150UH
220μH	5.10	155mA	5	RFC220UH
330μH	6.40	137mA	5	RFC330UH
470μH	7.70	126mA	5	RFC470UH
680μH	9.40	113mA	5	RFC680UH
1.0mH	17.0	100mA	5	RFC1MH
1.5mH	12.0	78mA	5	RFC1.5MH
2.5mH	25.0	58mA	5	RFC2.5MH
4.7mH	16.0	52mA	5	RFC4.7MH
10mH	75.0	30mA	5	RFC10MH

#### INDUCTORS COMPACT

Ideal as a choke or a trap coil for low profile equipment.

Entire winding core is encapsulated in heat shrunk plastic housing to provide mechanical and environmental protection. RoHS compliant.



(Unit: mm)

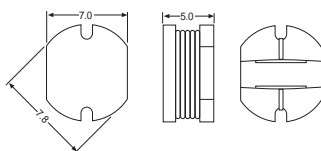
mH	DCΩ	mA <sub>max</sub>	Code
0.10	2.0	200	TK8101
0.12	3.0	200	TK8121
0.15	3.0	200	TK8151
0.18	3.0	200	TK8181
0.22	3.0	150	TK8221
0.27	3.0	150	TK8271
0.33	4.0	150	TK8331
0.39	4.0	100	TK8391
0.47	5.0	100	TK8471
0.56	6.0	100	TK8561
0.68	6.0	100	TK8681
0.82	7.0	50	TK8821
1.00	9.0	50	TK8102
1.20	9.0	50	TK8122
1.50	11	50	TK8152
1.80	12	50	TK8182
2.20	14	50	TK8222
2.70	15	50	TK8272
3.30	25	40	TK8332
3.90	30	40	TK8392
4.70	32	40	TK8472
5.60	36	30	TK8562
6.80	40	30	TK8682
8.20	45	30	TK8-822
10.0	55	20	TK8103
12.0	65	20	TK8123
15.0	80	20	TK8153

#### INDUCTORS SMD

##### PACK OF FIVE PIECES EACH

Ferrite core, wire wound, Surface Mount Device.

Tolerance 10%, Size 5x8mmØ ROHS



Value	I <sub>max</sub>	DCΩ	Pack of	Code
10μH	2.3A	0.07	5	LCC-10
22μH	1.5A	0.11	5	LCC-22
33μH	1.2A	0.13	5	LCC-33
47μH	1.1A	0.18	5	LCC-47
100μH	0.72A	0.43	5	LCC-100
150μH	0.58A	0.64	5	LCC-150
220μH	0.49A	0.96	5	LCC-220
330μH	0.40A	1.26	5	LCC-330
470μH	0.34A	1.96	5	LCC-470

#### INDUCTORS ENCASED

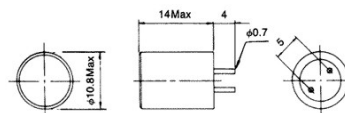
Ferrite material core and magnetically shielded casing.

Size = 10x14mmØ

Pitch = 5mm.

Tol. = 10%

Q = 100 minimum



Unit: mm



mH	DCΩ	mA <sub>max</sub>	Code
18.0	17	18	TK10183
22.0	20	11	TK10223
27.0	22	10	TK10273
33.0	26	9	TK10333
36.0	45	8	TK10363
39.0	45	8	TK10393
47.0	52	8	TK10473
56.0	58	7	TK10563
68.0	67	6	TK10683
82.0	71	5	TK10823
100	82	5	TK10104
120	97	5	TK10124





## □ Crossover

### INDUCTORS CROSSOVER SOLEN

#### S14 SERIES OFC AIR-CORE 14AWG 1.63mm

High grade, low-loss, pure 99.99% copper wire. Air-core. Very low Magnetostriction distortion. Induction value remains constant regardless of voltage and current variation. Low DCR. Low skin effect losses. Low proximity effect. Low self capacitance. No saturation. No hysteresis. High power. A premium grade component developed for the audiophile.

Tolerance Value  $\pm 1\%$   
Tolerance DCR (Ohms)  $\pm 5\%$   
Dimensions (mm)  $\pm 10\%$   
1.63mm O/D 14 AWG  
Temperature -55 °C to +85 °C.  
Insulation: 130 °C.  
Solderable: 360 °C.  
Voltage: 1000 VAC



Value	$\Omega$	Size	Solen#	Code
.16mH	.07 $\Omega$	14x29x57 mm	S14.16	SOL0.16
.18mH	.08 $\Omega$	14x29x57 mm	S14.18	SOL0.18
.20mH	.08 $\Omega$	14x29x57 mm	S14.20	SOL0.20
.22mH	.09 $\Omega$	14x29x57 mm	S14.22	SOL0.22
.27mH	.10 $\Omega$	14x29x57 mm	S14.27	SOL0.27
.33mH	.11 $\Omega$	16x32x64 mm	S14.33	SOL0.33
.39mH	.12 $\Omega$	16x32x64 mm	S14.39	SOL0.39
.47mH	.13 $\Omega$	16x32x64 mm	S14.47	SOL0.47
.51mH	.14 $\Omega$	16x32x64 mm	S14.51	SOL0.51
.56mH	.15 $\Omega$	16x32x64 mm	S14.56	SOL0.56
.68mH	.17 $\Omega$	19x38x76 mm	S14.68	SOL0.68
.82mH	.19 $\Omega$	19x38x76 mm	S14.82	SOL0.82
1.0mH	.21 $\Omega$	19x38x76 mm	S141.0	SOL1.0
1.2mH	.24 $\Omega$	19x38x76 mm	S141.2	SOL1.2
1.5mH	.28 $\Omega$	19x38x76 mm	S141.5	SOL1.5
1.8mH	.30 $\Omega$	22x45x89 mm	S141.8	SOL1.8
2.2mH	.33 $\Omega$	22x45x89 mm	S142.2	SOL2.2
2.7mH	.39 $\Omega$	22x45x89 mm	S142.7	SOL2.7
3.0mH	.42 $\Omega$	22x45x89 mm	S143.0	SOL3.0
3.3mH	.45 $\Omega$	25x51x102 mm	S143.3	SOL3.3
3.9mH	.49 $\Omega$	25x51x102 mm	S143.9	SOL3.9
4.7mH	.56 $\Omega$	25x51x102 mm	S144.7	SOL4.7
5.1mH	.59 $\Omega$	25x51x102 mm	S145.1	SOL5.1
5.6mH	.63 $\Omega$	25x51x102 mm	S145.6	SOL5.6
6.8mH	.71 $\Omega$	32x64x127 mm	S146.8	SOL6.8
8.2mH	.79 $\Omega$	32x64x127 mm	S148.2	SOL8.2
10mH	.87 $\Omega$	32x64x127 mm	S1410	SOL10

### INDUCTORS CROSSOVER

#### 18AWG COPPER WIRED 1mm

High purity 18AWG copper with low DC resistance AIR-CORE wound on a plastic bobbin for ventilation and low hysteresis making them ideal for Audio, Speaker Cross-Overs, etc. 1mm extra thick gauge for more current in high power applications.



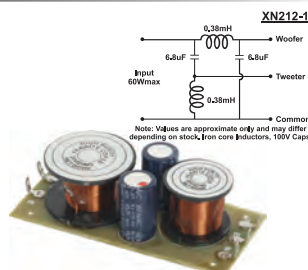
Value	$\Omega$	Size	Code
0.03mH	0.05 $\Omega$	15x30 $\varnothing$ mm	XLA0.03
0.05mH	0.1 $\Omega$	50x20 $\varnothing$ mm	XLA0.05
0.08mH	0.05 $\Omega$	15x30 $\varnothing$ mm	XLA0.08
0.10mH	0.1 $\Omega$	50x20 $\varnothing$ mm	XLA0.1
0.12mH	0.1 $\Omega$	50x20 $\varnothing$ mm	XLA0.12
0.15mH	0.2 $\Omega$	50x20 $\varnothing$ mm	XLA0.15
0.18mH	0.2 $\Omega$	50x20 $\varnothing$ mm	XLA0.18
0.22mH	0.2 $\Omega$	50x20 $\varnothing$ mm	XLA0.22
0.33mH	0.3 $\Omega$	50x20 $\varnothing$ mm	XLA0.33
0.39mH	0.3 $\Omega$	50x20 $\varnothing$ mm	XLA0.39
0.47mH	0.3 $\Omega$	50x20 $\varnothing$ mm	XLA0.47
0.56mH	0.4 $\Omega$	50x20 $\varnothing$ mm	XLA0.56
0.68mH	0.5 $\Omega$	50x20 $\varnothing$ mm	XLA0.68
0.82mH	0.5 $\Omega$	50x30 $\varnothing$ mm	XLA0.82
1.0mH	0.6 $\Omega$	50x30 $\varnothing$ mm	XLA1
1.2mH	0.7 $\Omega$	50x30 $\varnothing$ mm	XLA1.2
1.5mH	0.8 $\Omega$	50x30 $\varnothing$ mm	XLA1.5
1.8mH	0.8 $\Omega$	50x30 $\varnothing$ mm	XLA1.8
2.2mH	0.8 $\Omega$	70x35 $\varnothing$ mm	XLA2.2
2.7mH	0.9 $\Omega$	70x35 $\varnothing$ mm	XLA2.7
3.0mH	0.9 $\Omega$	70x35 $\varnothing$ mm	XLA3
3.3mH	1.2 $\Omega$	70x35 $\varnothing$ mm	XLA3.3
3.9mH	1.4 $\Omega$	70x35 $\varnothing$ mm	XLA3.9
4.7mH	1.4 $\Omega$	70x35 $\varnothing$ mm	XLA4.7
5.6mH	1.4 $\Omega$	70x35 $\varnothing$ mm	XLA5.6
6.8mH	1.5 $\Omega$	70x35 $\varnothing$ mm	XLA6.8
8.2mH	1.8 $\Omega$	70x35 $\varnothing$ mm	XLA8.2
10 mH	2.0 $\Omega$	90x45 $\varnothing$ mm	XLA10

## □ Crossovers Assembled

### 2 WAY 60W 12dB/OCTAVE

Pin 60Wrms  
Z 8 $\Omega$   
X1 2K3Hz  
Slope 12dB  
Two required for Stereo

Code Each  
XN212-1

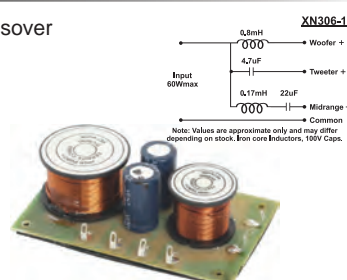


### 3-WAY 60W 6dB/OCTAVE

Simple 4 component Basic crossover for a matched 3 way system.

Pin 60Wrms  
X1 800Hz  
X2 5KHz  
Z 8 $\Omega$   
Slope 6dB  
Two required for Stereo

Code Each  
XN306-1

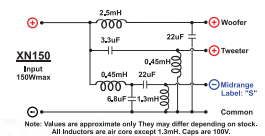


### 3 WAY 150W 12dB/OCTAVE

Includes speaker wiring with push-on terminals. Butterworth Second Order. Open core coils. Quick and easy upgrade/repair/DIY solution.

I/O 8 Ohm  
Pin 150Wrms  
Att. 12dB/Octave  
X1 750Hz  
X2 4KHz  
Slope 12dB  
Two required for Stereo

Code Each  
XN150



2 REQUIRED FOR STEREO



Note: "S" Label is "Mid" (Inverted)  
Includes cable in/out. ~15cm / ~40cm to 4mm/6.3mm spade.



## □ Resistors | Fixed

### 0.25W CARBON 5%

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
1Ω	.25C1	10Ω	.25C10	100Ω	.25C100	1KΩ	.25C1K	10KΩ	.25C10K	100KΩ	.25C100K
1.2Ω	.25C1.2	12Ω	.25C12	120Ω	.25C120	1.2KΩ	.25C1.2K	12KΩ	.25C12K	120KΩ	.25C120K
1.5Ω	.25C1.5	15Ω	.25C15	150Ω	.25C150	1.5KΩ	.25C1.5K	15KΩ	.25C15K	150KΩ	.25C150K
1.8Ω	.25C1.8	18Ω	.25C18	180Ω	.25C180	1.8KΩ	.25C1.8K	18KΩ	.25C18K	180KΩ	.25C180K
2.2Ω	.25C2.2	22Ω	.25C22	220Ω	.25C220	2.2KΩ	.25C2.2K	22KΩ	.25C22K	220KΩ	.25C220K
2.7Ω	.25C2.7	27Ω	.25C27	270Ω	.25C270	2.7KΩ	.25C2.7K	27KΩ	.25C27K	270KΩ	.25C270K
3.3Ω	.25C3.3	33Ω	.25C33	330Ω	.25C330	3.3KΩ	.25C3.3K	33KΩ	.25C33K	330KΩ	.25C330K
3.9Ω	.25C3.9	39Ω	.25C39	390Ω	.25C390	3.9KΩ	.25C3.9K	39KΩ	.25C39K	390KΩ	.25C390K
4.7Ω	.25C4.7	47Ω	.25C47	470Ω	.25C470	4.7KΩ	.25C4.7K	47KΩ	.25C47K	470KΩ	.25C470K
5.6Ω	.25C5.6	56Ω	.25C56	560Ω	.25C560	5.6KΩ	.25C5.6K	56KΩ	.25C56K	560KΩ	.25C560K
6.8Ω	.25C6.8	68Ω	.25C68	680Ω	.25C680	6.8KΩ	.25C6.8K	62KΩ	.25C62K	680KΩ	.25C680K
8.2Ω	.25C8.2	82Ω	.25C82	820Ω	.25C820	8.2KΩ	.25C8.2K	68KΩ	.25C68K	820KΩ	.25C820K
								82KΩ	.25C82K	10MΩ	.25C10M

\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).

### 0.5W CARBON 5%

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
.68Ω	.5C.68	10Ω	.5C10	100Ω	.5C100	1KΩ	.5C1K	10KΩ	.5C10K	100KΩ	.5C100K
1Ω	.5C1	12Ω	.5C12	120Ω	.5C120	1.2KΩ	.5C1.2K	12KΩ	.5C12K	120KΩ	.5C120K
1.2Ω	.5C1.2	15Ω	.5C15	150Ω	.5C150	1.5KΩ	.5C1.5K	15KΩ	.5C15K	150KΩ	.5C150K
1.5Ω	.5C1.5	18Ω	.5C18	180Ω	.5C180	1.8KΩ	.5C1.8K	18KΩ	.5C18K	180KΩ	.5C180K
1.8Ω	.5C1.8	22Ω	.5C22	220Ω	.5C220	2.2KΩ	.5C2.2K	22KΩ	.5C22K	220KΩ	.5C220K
2.2Ω	.5C2.2	27Ω	.5C27	270Ω	.5C270	2.7KΩ	.5C2.7K	27KΩ	.5C27K	270KΩ	.5C270K
2.7Ω	.5C2.7	33Ω	.5C33	330Ω	.5C330	3.3KΩ	.5C3.3K	33KΩ	.5C33K	330KΩ	.5C330K
3.3Ω	.5C3.3	39Ω	.5C39	390Ω	.5C390	3.9KΩ	.5C3.9K	39KΩ	.5C39K	390KΩ	.5C390K
3.9Ω	.5C3.9	47Ω	.5C47	470Ω	.5C470	4.7KΩ	.5C4.7K	47KΩ	.5C47K	470KΩ	.5C470K
4.7Ω	.5C4.7	56Ω	.5C56	560Ω	.5C560	5.6KΩ	.5C5.6K	56KΩ	.5C56K	560KΩ	.5C560K
5.6Ω	.5C5.6	68Ω	.5C68	680Ω	.5C680	6.8KΩ	.5C6.8K	62KΩ	.5C62K	680KΩ	.5C680K
6.8Ω	.5C6.8	82Ω	.5C82	820Ω	.5C820	8.2KΩ	.5C8.2K	68KΩ	.5C68K	820KΩ	.5C820K
8.2Ω	.5C8.2							82KΩ	.5C82K	10MΩ	.5C10M

\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).

### 1W CARBON 5%

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
1Ω	1C1	10Ω	1C10	100Ω	1C100	1KΩ	1C1K	10KΩ	1C10K	100KΩ	1C100K
1.2Ω	1C1.2	12Ω	1C12	120Ω	1C120	1.2KΩ	1C1.2K	12KΩ	1C12K	120KΩ	1C120K
1.5Ω	1C1.5	15Ω	1C15	150Ω	1C150	1.5KΩ	1C1.5K	15KΩ	1C15K	150KΩ	1C150K
1.8Ω	1C1.8	18Ω	1C18	180Ω	1C180	1.8KΩ	1C1.8K	18KΩ	1C18K	180KΩ	1C180K
2.2Ω	1C2.2	22Ω	1C22	220Ω	1C220	2.2KΩ	1C2.2K	22KΩ	1C22K	220KΩ	1C220K
2.7Ω	1C2.7	27Ω	1C27	270Ω	1C270	2.7KΩ	1C2.7K	27KΩ	1C27K	270KΩ	1C270K
3.3Ω	1C3.3	33Ω	1C33	330Ω	1C330	3.3KΩ	1C3.3K	33KΩ	1C33K	330KΩ	1C330K
3.9Ω	1C3.9	39Ω	1C39	390Ω	1C390	3.9KΩ	1C3.9K	39KΩ	1C39K	390KΩ	1C390K
4.7Ω	1C4.7	47Ω	1C47	470Ω	1C470	4.7KΩ	1C4.7K	47KΩ	1C47K	470KΩ	1C470K
5.6Ω	1C5.6	56Ω	1C56	560Ω	1C560	5.6KΩ	1C5.6K	56KΩ	1C56K	560KΩ	1C560K
6.8Ω	1C6.8	68Ω	1C68	680Ω	1C680	6.8KΩ	1C6.8K	68KΩ	1C68K	680KΩ	1C680K
8.2Ω	1C8.2	82Ω	1C82	820Ω	1C820	8.2KΩ	1C8.2K	82KΩ	1C82K	820KΩ	1C820K
										10MΩ	1C10M

\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).

### 0.4W METAL OXIDE FILM 5%

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
1Ω	.4M1	10Ω	.4M10	100Ω	.4M100	1KΩ	.4M1K	10KΩ	.4M10K	100KΩ	.4M100K
1.2Ω	.4M1.2	12Ω	.4M12	120Ω	.4M120	1.2KΩ	.4M1.2K	12KΩ	.4M12K	120KΩ	.4M120K
1.5Ω	.4M1.5	15Ω	.4M15	150Ω	.4M150	1.5KΩ	.4M1.5K	15KΩ	.4M15K	150KΩ	.4M150K
1.8Ω	.4M1.8	18Ω	.4M18	180Ω	.4M180	1.8KΩ	.4M1.8K	18KΩ	.4M18K	180KΩ	.4M180K
2.2Ω	.4M2.2	22Ω	.4M22	220Ω	.4M220	2.2KΩ	.4M2.2K	22KΩ	.4M22K	220KΩ	.4M220K
2.7Ω	.4M2.7	27Ω	.4M27	270Ω	.4M270	2.7KΩ	.4M2.7K	27KΩ	.4M27K	270KΩ	.4M270K
3.3Ω	.4M3.3	33Ω	.4M33	330Ω	.4M330	3.3KΩ	.4M3.3K	33KΩ	.4M33K	330KΩ	.4M330K
3.9Ω	.4M3.9	39Ω	.4M39	390Ω	.4M390	3.9KΩ	.4M3.9K	39KΩ	.4M39K	390KΩ	.4M390K
4.7Ω	.4M4.7	47Ω	.4M47	470Ω	.4M470	4.7KΩ	.4M4.7K	47KΩ	.4M47K	470KΩ	.4M470K
5.6Ω	.4M5.6	56Ω	.4M56	560Ω	.4M560	5.6KΩ	.4M5.6K	56KΩ	.4M56K	560KΩ	.4M560K
6.8Ω	.4M6.8	68Ω	.4M68	680Ω	.4M680	6.8KΩ	.4M6.8K	68KΩ	.4M68K	680KΩ	.4M680K
8.2Ω	.4M8.2	82Ω	.4M82	820Ω	.4M820	8.2KΩ	.4M8.2K	82KΩ	.4M82K	820KΩ	.4M820K
										10MΩ	.4M10M

\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).





## 2W METAL OXIDE FILM 5%

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Metal Film. High quality, Low noise, Low drift. 2 Watt 5% Tolerance.
1.0Ω	2M1	10Ω	2M10	100Ω	2M100	1.0KΩ	2M1K	10KΩ	2M10K	100KΩ	2M100K	
1.2Ω	2M1.2	12Ω	2M12	120Ω	2M120	1.2KΩ	2M1.2K	12KΩ	2M12K	120KΩ	2M120K	
1.5Ω	2M1.5	15Ω	2M15	150Ω	2M150	1.5KΩ	2M1.5K	15KΩ	2M15K	150KΩ	2M150K	
1.8Ω	2M1.8	18Ω	2M18	180Ω	2M180	1.8KΩ	2M1.8K	18KΩ	2M18K	180KΩ	2M180K	
2.2Ω	2M2.2	22Ω	2M22	220Ω	2M220	2.2KΩ	2M2.2K	22KΩ	2M22K	220KΩ	2M220K	
2.7Ω	2M2.7	27Ω	2M27	270Ω	2M270	2.7KΩ	2M2.7K	27KΩ	2M27K	270KΩ	2M270K	
3.3Ω	2M3.3	33Ω	2M33	330Ω	2M330	3.3KΩ	2M3.3K	33KΩ	2M33K	330KΩ	2M330K	
3.9Ω	2M3.9	39Ω	2M39	390Ω	2M390	3.9KΩ	2M3.9K	39KΩ	2M39K	470KΩ	2M470K	
4.7Ω	2M4.7	47Ω	2M47	470Ω	2M470	4.7KΩ	2M4.7K	47KΩ	2M47K	560KΩ	2M560K	
5.6Ω	2M5.6	56Ω	2M56	560Ω	2M560	5.6KΩ	2M5.6K	56KΩ	2M56K	680KΩ	2M680K	
6.8Ω	2M6.8	68Ω	2M68	680Ω	2M680	6.8KΩ	2M6.8K	68KΩ	2M68K	820KΩ	2M820K	
8.2Ω	2M8.2	82Ω	2M82	820Ω	2M820	8.2KΩ	2M8.2K	82KΩ	2M82K	1MΩ	2M1M	

\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).



## 0.5W FUSIBLE RESISTORS

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	As used in power supplies, etc. ½W Fusible, for safety, goes open when wattage exceeded. 5% Tolerance.
0.1Ω	.5F.1	1Ω	.5F1	10Ω	.5F10	100Ω	.5F100	1KΩ	.5F1K	
0.12Ω	.5F.12	1.2Ω	.5F1.2	12Ω	.5F12	120Ω	.5F120	1.2KΩ	.5F1.2K	
0.15Ω	.5F.15	1.5Ω	.5F1.5	15Ω	.5F15	150Ω	.5F150	1.5KΩ	.5F1.5K	
0.18Ω	.5F.18	1.8Ω	.5F1.8	18Ω	.5F18	180Ω	.5F180	1.8KΩ	.5F1.8K	
0.22Ω	.5F.22	2.2Ω	.5F2.2	22Ω	.5F22	220Ω	.5F220	2.2KΩ	.5F2.2K	
0.27Ω	.5F.27	2.7Ω	.5F2.7	27Ω	.5F27	270Ω	.5F270	2.7KΩ	.5F2.7K	
0.33Ω	.5F.33	3.3Ω	.5F3.3	33Ω	.5F33	330Ω	.5F330	3.3KΩ	.5F3.3K	
0.39Ω	.5F.39	3.9Ω	.5F3.9	39Ω	.5F39	390Ω	.5F390	3.9KΩ	.5F3.9K	
0.47Ω	.5F.47	4.7Ω	.5F4.7	47Ω	.5F47	470Ω	.5F470	4.7KΩ	.5F4.7K	
0.51Ω	.5F.51	5.6Ω	.5F5.6	56Ω	.5F56	560Ω	.5F560	6.8KΩ	.5F6.8K	
0.56Ω	.5F.56	6.8Ω	.5F6.8	68Ω	.5F68	680Ω	.5F680	8.2KΩ	.5F8.2K	
0.68Ω	.5F.68	8.2Ω	.5F8.2	82Ω	.5F82	820Ω	.5F820	10KΩ	.5F10K	
0.82Ω	.5F.82									

\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).



## 1W FUSIBLE RESISTORS

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	As used in power supplies, etc. 1W Fusible, for safety, goes open when wattage exceeded. 5% Tolerance.
0.1Ω	1F.1	1Ω	1F1	10Ω	1F10	100Ω	1F100	1KΩ	1F1K	10KΩ	1F10K	
0.12Ω	1F.12	1.2Ω	1F1.2	12Ω	1F12	120Ω	1F120	1.2KΩ	1F1.2K	150KΩ	1F150K	
0.15Ω	1F.15	1.5Ω	1F1.5	15Ω	1F15	150Ω	1F150	1.5KΩ	1F1.5K			
0.18Ω	1F.18	1.8Ω	1F1.8	18Ω	1F18	180Ω	1F180	1.8KΩ	1F1.8K			
0.22Ω	1F.22	2.2Ω	1F2.2	22Ω	1F22	220Ω	1F220	2.2KΩ	1F2.2K			
0.27Ω	1F.27	2.7Ω	1F2.7	27Ω	1F27	270Ω	1F270	2.7KΩ	1F2.7K			
0.33Ω	1F.33	3.3Ω	1F3.3	33Ω	1F33	330Ω	1F330	3.3KΩ	1F3.3K			
0.39Ω	1F.39	3.9Ω	1F3.9	39Ω	1F39	390Ω	1F390	3.9KΩ	1F3.9K			
0.47Ω	1F.47	4.7Ω	1F4.7	47Ω	1F47	470Ω	1F470	4.7KΩ	1F4.7K			
0.56Ω	1F.56	5.6Ω	1F5.6	56Ω	1F56	560Ω	1F560	6.8KΩ	1F6.8K			
0.68Ω	1F.68	6.8Ω	1F6.8	68Ω	1F68	680Ω	1F680	8.2KΩ	1F8.2K			
0.82Ω	1F.82	8.2Ω	1F8.2	82Ω	1F82	820Ω	1F820					

\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).



## 2W FUSIBLE RESISTORS

Value	Code	Value	Code	Value	Code	Value	Code
.22Ω	2F.22	1Ω	2F1	10Ω	2F10	100Ω	2F100
.27Ω	2F.27	1.2Ω	2F1.2	12Ω	2F12	120Ω	2F120
.33Ω	2F.33	1.5Ω	2F1.5	15Ω	2F15	150Ω	2F150
.39Ω	2F.39	1.8Ω	2F1.8	18Ω	2F18	180Ω	2F180
.47Ω	2F.47	2.2Ω	2F2.2	22Ω	2F22	220Ω	2F220
.51Ω	2F.51	2.7Ω	2F2.7	27Ω	2F27	270Ω	2F270
.56Ω	2F.56	3.3Ω	2F3.3	33Ω	2F33	330Ω	2F330
.68Ω	2F.68	3.9Ω	2F3.9	39Ω	2F39	390Ω	2F390
.82Ω	2F.82	4.7Ω	2F4.7	47Ω	2F47	470Ω	2F470
		5.6Ω	2F5.6	56Ω	2F56	560Ω	2F560
		6.8Ω	2F6.8	68Ω	2F68	680Ω	2F680
		8.2Ω	2F8.2	82Ω	2F82	820Ω	2F820
						1KΩ	2F1K

As used in power supplies, etc.  
2W Fusible, for safety, goes  
open when wattage exceeded.  
5% Tolerance.

**3W 5.6Ω**  
3W Fusible Resistor  
Code  
3F5.6

**Buy Quantities  
For a Discount  
Please Enquire  
(Not Assorted Values)**



\*Note: "Code" is for one single resistor only and are available in any quantity required, however, Resistors are packed in bags of 100 pieces and a substantial discount applies when purchasing in bag quantities (no mixed values).



## 1W WIRE WOUND

Value	Code	Value	Code	Value	Code
0.1Ω	KNP.1	1Ω	KNP1	10Ω	KNP10
0.12Ω	KNP.12	1.2Ω	KNP1.2	12Ω	KNP12
0.15Ω	KNP.15	1.5Ω	KNP1.5	15Ω	KNP15
0.18Ω	KNP.18	1.8Ω	KNP1.8	18Ω	KNP18
0.22Ω	KNP.22	2.2Ω	KNP2.2	22Ω	KNP22
0.27Ω	KNP.27	2.7Ω	KNP2.7	27Ω	KNP27
0.33Ω	KNP.33	3.3Ω	KNP3.3	33Ω	KNP33
0.39Ω	KNP.39	3.9Ω	KNP3.9	39Ω	KNP39
0.47Ω	KNP.47	4.7Ω	KNP4.7	47Ω	KNP47
0.56Ω	KNP.56	5.6Ω	KNP5.6		
0.68Ω	KNP.68	6.8Ω	KNP6.8		
0.82Ω	KNP.82	8.2Ω	KNP8.2		

Low inductance type,  
Power supplies, etc.  
1W Wire Wound  
5% Tolerance.



## 1W HIGH VOLTAGE RESISTORS

Value	Code
150KΩ	1FCR150K
220KΩ	1FCR220K
270KΩ	1FCR270K
390KΩ	1FCR390K
470KΩ	1FCR470K
820KΩ	1FCR820K
1MΩ	1FCR1M
1.2MΩ	1FCR1.2M
1.5MΩ	1FCR1.5M
2.2MΩ	1FCR2.2M
3.3MΩ	1FCR3.3M
4.7MΩ	1FCR4.7M
5.1MΩ	1FCR5.1M
8.2MΩ	1FCR8.2M
10MΩ	1FCR10M

**METAL FILM 5%**  
10,000VDC or  
7,000VACrms



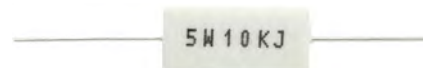
## 3W WIRE WOUND CERAMIC

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
.1Ω	3W.1	1Ω	3W1	10Ω	3W10	100Ω	3W100	1KΩ	3W1K	10KΩ	3W10K
.15Ω	3W.15	1.2Ω	3W1.2	12Ω	3W12	120Ω	3W120	1.2KΩ	3W1.2K	12KΩ	3W12K
.18Ω	3W.18	1.5Ω	3W1.5	15Ω	3W15	150Ω	3W150	1.5KΩ	3W1.5K	15KΩ	3W15K
0.22Ω	3W.22	1.8Ω	3W1.8	18Ω	3W18	180Ω	3W180	1.8KΩ	3W1.8K	18KΩ	3W18K
0.27Ω	3W.27	2.2Ω	3W2.2	22Ω	3W22	220Ω	3W220	2.2KΩ	3W2.2K	22KΩ	3W22K
0.33Ω	3W.33	2.7Ω	3W2.7	27Ω	3W27	370Ω	3W270	2.7KΩ	3W2.7K	27KΩ	3W27K
0.39Ω	3W.39	3.3Ω	3W3.3	33Ω	3W33	330Ω	3W330	3.3KΩ	3W3.3K	33KΩ	3W33K
0.47Ω	3W.47	3.9Ω	3W3.9	39Ω	3W39	390Ω	3W390	3.9KΩ	3W3.9K	39KΩ	3W39K
0.56Ω	3W.56	4.7Ω	3W4.7	47Ω	3W47	470Ω	3W470	4.7KΩ	3W4.7K	47KΩ	3W47K
0.68Ω	3W.68	5.6Ω	3W5.6	56Ω	3W56	560Ω	3W560	5.6KΩ	3W5.6K		
0.82Ω	3W.82	6.8Ω	3W6.8	68Ω	3W68	680Ω	3W680	6.8KΩ	3W6.8K		
		8.2Ω	3W8.2	82Ω	3W82	820Ω	3W820	8.2KΩ	3W8.2K		



## 5W WIRE WOUND CERAMIC

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
0.1Ω	5W.1	1Ω	5W1	10Ω	5W10	100Ω	5W100	1K Ω	5W1K	10K Ω	5W10K
0.12Ω	5W.12	1.2Ω	5W1.2	12Ω	5W12	120Ω	5W120	1.2K Ω	5W1.2K	12K Ω	5W12K
0.15Ω	5W.15	1.5Ω	5W1.5	15Ω	5W15	150Ω	5W150	1.5K Ω	5W1.5K	15K Ω	5W15K
0.18Ω	5W.18	1.8Ω	5W1.8	18Ω	5W18	180Ω	5W180	1.8K Ω	5W1.8K	18K Ω	5W18K
0.22Ω	5W.22	2.2Ω	5W2.2	22Ω	5W22	220Ω	5W220	2.2K Ω	5W2.2K		
0.27Ω	5W.27	2.7Ω	5W2.7	27Ω	5W27	270Ω	5W270	2.7K Ω	5W2.7K		
0.33Ω	5W.33	3.3Ω	5W3.3	33Ω	5W33	330Ω	5W330	3.3K Ω	5W3.3K		
0.39Ω	5W.39	3.9Ω	5W3.9	39Ω	5W39	390Ω	5W390	3.9K Ω	5W3.9K		
0.47Ω	5W.47	4.7Ω	5W4.7	47Ω	5W47	470Ω	5W470	4.7K Ω	5W4.7K		
0.56Ω	5W.56	5.6Ω	5W5.6	56Ω	5W56	560Ω	5W560	5.6K Ω	5W5.6K		
0.68Ω	5W.68	6.8Ω	5W6.8	68Ω	5W68	680Ω	5W680	6.8K Ω	5W6.8K		
0.82Ω	5W.82	8.2Ω	5W8.2	82Ω	5W82	820Ω	5W820	8.2K Ω	5W8.2K		



## 10W WIRE WOUND CERAMIC

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
0.1Ω	10W.1	1Ω	10W1	10Ω	10W10	100Ω	10W100	1K Ω	10W1K	10K Ω	10W10K
0.12Ω	10W.12	1.2Ω	10W1.2	12Ω	10W12	120Ω	10W120	1.2K Ω	10W1.2K	12K Ω	10W12K
0.15Ω	10W.15	1.5Ω	10W1.5	15Ω	10W15	150Ω	10W150	1.5K Ω	10W1.5K	15K Ω	10W15K
0.18Ω	10W.18	1.8Ω	10W1.8	18Ω	10W18	180Ω	10W180	1.8K Ω	10W1.8K	18K Ω	10W18K
0.22Ω	10W.22	2.2Ω	10W2.2	22Ω	10W22	220Ω	10W220	2.2K Ω	10W2.2K		
0.27Ω	10W.27	2.7Ω	10W2.7	27Ω	10W27	270Ω	10W270	2.7K Ω	10W2.7K		
0.33Ω	10W.33	3.3Ω	10W3.3	33Ω	10W33	330Ω	10W330	3.3K Ω	10W3.3K		
0.39Ω	10W.39	3.9Ω	10W3.9	39Ω	10W39	390Ω	10W390	3.9K Ω	10W3.9K		
0.47Ω	10W.47	4.7Ω	10W4.7	47Ω	10W47	470Ω	10W470	4.7K Ω	10W4.7K		
0.56Ω	10W.56	5.1Ω	10W5.1	56Ω	10W56	560Ω	10W560	5.6K Ω	10W5.6K		
0.68Ω	10W.68	5.6Ω	10W5.6	68Ω	10W68	680Ω	10W680	6.8K Ω	10W6.8K		
0.82Ω	10W.82	6.8Ω	10W6.8	82Ω	10W82	820Ω	10W820	8.2K Ω	10W8.2K		
		8.2Ω	10W8.2								

**Buy Quantities  
For a Discount  
Please Enquire  
(Not Assorted Values)**

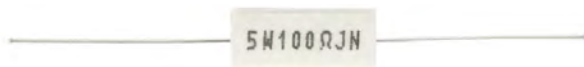
10W10KJ





## 5W NON-INDUCTIVE WIRE WOUND

Value	Code	Value	Code	Value	Code
0.1Ω	5NLR.1	1Ω	5NLR1	10Ω	5NLR10
0.22Ω	5NLR.22	1.2Ω	5NLR1.2	12Ω	5NLR12
0.27Ω	5NLR.27	1.5Ω	5NLR1.5	15Ω	5NLR15
0.33Ω	5NLR.33	1.8Ω	5NLR1.8	18Ω	5NLR18
0.39Ω	5NLR.39	2.2Ω	5NLR2.2	22Ω	5NLR22
0.47Ω	5NLR.47	2.7Ω	5NLR2.7	27Ω	5NLR27
0.51Ω	5NLR.51	3.3Ω	5NLR3.3	33Ω	5NLR33
0.56Ω	5NLR.56	3.9Ω	5NLR3.9	39Ω	5NLR39
0.68Ω	5NLR.68	4.7Ω	5NLR4.7	47Ω	5NLR47
0.82Ω	5NLR.82	5.1Ω	5NLR5.1	56Ω	5NLR56
		5.6Ω	5NLR5.6	68Ω	5NLR68
		6.8Ω	5NLR6.8	82Ω	5NLR82
		8.2Ω	5NLR8.2	100Ω	5NLR100



## 7W WIRE WOUND CERAMIC

Value	Code
1Ω	7W1
2.2Ω	7W2.2
2.7Ω	7W2.7
3.3Ω	7W3.3
3.9Ω	7W3.9
4.7Ω	7W4.7
5.6Ω	7W5.6
6.8Ω	7W6.8
8.2Ω	7W8.2
10Ω	7W10
39Ω	7W39

Special stand-off type as used in TV and Amplifiers, etc.



## 10W NON-INDUCTIVE WIRE WOUND

Value	Code	Value	Code	Value	Code
0.1Ω	10NLR.1	1Ω	10NLR1	10Ω	10NLR10
0.22Ω	10NLR.22	1.2Ω	10NLR1.2	12Ω	10NLR12
0.27Ω	10NLR.27	1.5Ω	10NLR1.5	15Ω	10NLR15
0.33Ω	10NLR.33	1.8Ω	10NLR1.8	18Ω	10NLR18
0.39Ω	10NLR.39	2.2Ω	10NLR2.2	22Ω	10NLR22
0.47Ω	10NLR.47	2.7Ω	10NLR2.7	27Ω	10NLR27
0.51Ω	10NLR.51	3.3Ω	10NLR3.3	33Ω	10NLR33
0.56Ω	10NLR.56	3.9Ω	10NLR3.9	39Ω	10NLR39
0.68Ω	10NLR.68	4.7Ω	10NLR4.7	47Ω	10NLR47
0.82Ω	10NLR.82	5.1Ω	10NLR5.1	56Ω	10NLR56
		5.6Ω	10NLR5.6	68Ω	10NLR68
		6.8Ω	10NLR6.8	82Ω	10NLR82
		8.2Ω	10NLR8.2	100Ω	10NLR100



## HIGH POWER DUMMY LOADS

Non-Inductive load Resistors for testing amps, Power supplies, etc.

Ω	Power	Code
4Ω	50W	50W4
8Ω	50W	50W8
4Ω	100W	100W4
8Ω	100W	100W8



## 0805 METAL FILM SMD

### PACK OF 10 PIECES

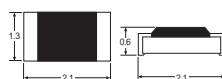
High grade thick film metal glazed ceramic body  
Suitable for reflow or hand soldering  
Temperature range -55° to +125°C  
Tolerance ±1%



Value	Code	Value	Code	Value	Code
10Ω	RMA10	1KΩ	RMA1K	100KΩ	RMA100K
12Ω	RMA12	1.2KΩ	RMA1.2K	120KΩ	RMA120K
15Ω	RMA15	1.5KΩ	RMA1.5K	150KΩ	RMA150K
18Ω	RMA18	1.8KΩ	RMA1.8K	180KΩ	RMA180K
22Ω	RMA22	2.2KΩ	RMA2.2K	220KΩ	RMA220K
27Ω	RMA27	2.7KΩ	RMA2.7K	270KΩ	RMA270K
33Ω	RMA33	3.3KΩ	RMA3.3K	330KΩ	RMA330K
39Ω	RMA39	3.9KΩ	RMA3.9K	390KΩ	RMA390K
47Ω	RMA47	4.7KΩ	RMA4.7K	470KΩ	RMA470K
56Ω	RMA56	5.6KΩ	RMA5.6K	560KΩ	RMA560K
68Ω	RMA68	6.8KΩ	RMA6.8K	680KΩ	RMA680K
82Ω	RMA82	8.2KΩ	RMA8.2K	820KΩ	RMA820K
100Ω	RMA100	10KΩ	RMA10K	1MΩ	RMA1M
120Ω	RMA120	12KΩ	RMA12K		
150Ω	RMA150	15KΩ	RMA15K		
180Ω	RMA180	18KΩ	RMA18K		
220Ω	RMA220	22KΩ	RMA22K		
270Ω	RMA270	27KΩ	RMA27K		
330Ω	RMA330	33KΩ	RMA33K		
390Ω	RMA390	39KΩ	RMA39K		
470Ω	RMA470	47KΩ	RMA47K		
560Ω	RMA560	56KΩ	RMA56K		
680Ω	RMA680	68KΩ	RMA68K		
820Ω	RMA820	82KΩ	RMA82K		

**RMA**  
[Pack of 10 Pieces]

Pack of Code\*  
10 RMAxx



## 1206 METAL FILM SMD

### PACK OF 10 PIECES

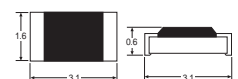
High grade thick film metal glazed ceramic body  
Suitable for reflow or hand soldering  
Temperature range -55° to +125°C  
Tolerance ±1%



Value	Code	Value	Code	Value	Code
10Ω	RMB10	1KΩ	RMB1K	100KΩ	RMB100K
12Ω	RMB12	1.2KΩ	RMB1.2K	120KΩ	RMB120K
15Ω	RMB15	1.5KΩ	RMB1.5K	150KΩ	RMB150K
18Ω	RMB18	1.8KΩ	RMB1.8K	180KΩ	RMB180K
22Ω	RMB22	2.2KΩ	RMB2.2K	220KΩ	RMB220K
27Ω	RMB27	2.7KΩ	RMB2.7K	270KΩ	RMB270K
33Ω	RMB33	3.3KΩ	RMB3.3K	330KΩ	RMB330K
39Ω	RMB39	3.9KΩ	RMB3.9K	390KΩ	RMB390K
47Ω	RMB47	4.7KΩ	RMB4.7K	470KΩ	RMB470K
56Ω	RMB56	5.6KΩ	RMB5.6K	560KΩ	RMB560K
68Ω	RMB68	6.8KΩ	RMB6.8K	680KΩ	RMB680K
82Ω	RMB82	8.2KΩ	RMB8.2K	820KΩ	RMB820K
100Ω	RMB100	10KΩ	RMB10K	1MΩ	RMB1M
120Ω	RMB120	12KΩ	RMB12K		
150Ω	RMB150	15KΩ	RMB15K		
180Ω	RMB180	18KΩ	RMB18K		
220Ω	RMB220	22KΩ	RMB22K		
270Ω	RMB270	27KΩ	RMB27K		
330Ω	RMB330	33KΩ	RMB33K		
390Ω	RMB390	39KΩ	RMB39K		
470Ω	RMB470	47KΩ	RMB47K		
560Ω	RMB560	56KΩ	RMB56K		
680Ω	RMB680	68KΩ	RMB68K		
820Ω	RMB820	82KΩ	RMB82K		

**RMB**  
[Pack of 10 Pieces]

Pack of Code\*  
10 RMBxx





□ Variable

## CARBON POTENTIOMETERS 1/4" 1/4W

### LINEAR SOLDER LUGS

Type	Value	Code
Linear	1KΩ	VRC1KB
Linear	5KΩ	VRC5KB
Linear	10KΩ	VRC10KB
Linear	25KΩ	VRC25KB
Linear	50KΩ	VRC50KB
Linear	100KΩ	VRC100KB
Linear	500KΩ	VRC500KB
Linear	1MΩ	VRC1MB



## CARBON POTENTIOMETERS 1/4" 1/4W

### LINEAR PCB MOUNT

Type	Value	Code
Linear	500Ω	V24-500RB
Linear	1KΩ	V24-1KB
Linear	5KΩ	V24-5KB
Linear	10KΩ	V24-10KB
Linear	25KΩ	V24-25KB
Linear	50KΩ	V24-50KB
Linear	100KΩ	V24-100KB
Linear	250KΩ	V24-250KB
Linear	500KΩ	V24-500KB
Linear	1MΩ	V24-1MB



## CARBON POTENTIOMETERS 1/4" 1/4W DUAL

### LINEAR DUAL-GANG

Stereo Control Pots

Type	Value	Code
Linear	10KΩ	V24-10K2B
Linear	25KΩ	V24-25K2B
Linear	50KΩ	V24-50K2B
Linear	100KΩ	V24-100K2B



## CARBON POTENTIOMETERS 1/4" 1/4W

### LOGARITHMIC [Vol] SOLDER LUGS

Type	Value	Code
LOG	1KΩ	VRC1KA
LOG	5KΩ	VRC5KA
LOG	10KΩ	VRC10KA
LOG	25KΩ	VRC25KA
LOG	50KΩ	VRC50KA
LOG	100KΩ	VRC100KA
LOG	500KΩ	VRC500KA
LOG	1MΩ	VRC1MA



## CARBON POTENTIOMETERS 1/4" 1/4W

### LOGARITHMIC [Vol] PCB MOUNT

Type	Value	Code
LOG	1KΩ	V24-1KA
LOG	5KΩ	V24-5KA
LOG	10KΩ	V24-10KA
LOG	25KΩ	V24-25KA
LOG	50KΩ	V24-50KA
LOG	100KΩ	V24-100KA
LOG	250KΩ	V24-250KA
LOG	500KΩ	V24-500KA
LOG	1MΩ	V24-1MA

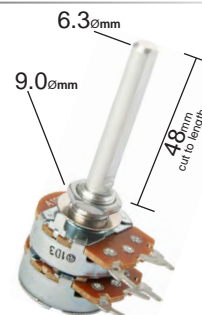


## CARBON POTENTIOMETERS 1/4" 1/4W DUAL

### LOGARITHMIC DUAL-GANG

Stereo Volume Control Pots

Type	Ω	Code
LOG	10KΩ	V24-10K2A
LOG	50KΩ	V24-50K2A
LOG	100KΩ	V24-100K2A



## WIRE WOUND 500VDC 3W 1/4"

Type	Value	Code
Linear	10Ω	VRW10
Linear	25Ω	VRW25
Linear	50Ω	VRW50
Linear	100Ω	VRW100
Linear	250Ω	VRW250
Linear	500Ω	VRW500
Linear	1KΩ	VRW1K
Linear	2KΩ	VRW2K
Linear	5KΩ	VRW5K
Linear	10KΩ	VRW10K



## ALPHA POTENTIOMETERS

1/4" Solid Shaft, 24mm Body, Solder Lugs, 1/2 Watt Rated. Fits 3/8" Hole.

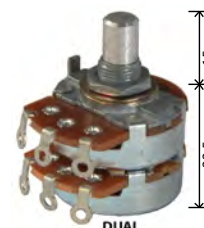
Type	Value	Code
Linear	5K	V30-5KB
Linear	10K	V30-10KB
Linear	25K	V30-25KB
Linear	100K	V30-100KB
Linear	250K	V30-250KB
Log	100K	V30-100KA
Log	250K	V30-250KA
Log	500K	V30-500KA
Log	1M	V30-1MA



## ALPHA DUAL POTENTIOMETERS

1/4" Solid Shaft, 24mm Body, Solder Lugs, 1/2 Watt Rated. Fits 3/8" Hole. Comes With Hex Nut and Washer.

Type	Value	Code
Dual Linear	100K	V30-100KBX2
Dual Log	1M	V30-1MAX2



## CTS POTENTIOMETERS

### NYLON SHAFT

Type	Value	Code
Linear	100K	V32-100KB
Log	10K	V32-10KA
Log	250K	V32-250KA
Log	500K	V32-500KA
Log	1M	V32-1MA
Reverse Log	50K	V32-50KRA
Reverse Log	3M	V32-3MRA







## Variable

### CTS SWITCHED POTENTIOMETERS

#### CTS PUSH-PULL SWITCH

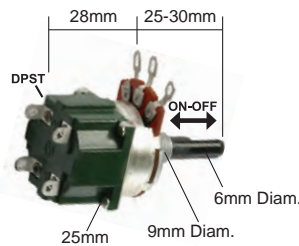
Type	Value	Code
Log	10K	V34-10KA
Log	1M	V34-1MA



### SWITCHED POTENTIOMETERS

Potentiometer with Pull-Out Two pole  
Single throw 240VAC switch.

Type	Value	Code
Linear	5K	VRS105
Log	20K	VRS120
Linear	50K	VRS150
Log	100K	VRS100



### MINIATURE POTENTIOMETER - SWITCHED

#### Mono Volume control

With Full-CCW OFF switch Turn Volume to  
minimum, then off. Switch can be removed\*  
Standard 1/4" Split-Shaft. Logarithmic.

Type	Value	Code
Log.	5K	V17S-5K
Log.	50K	V17S-50K



### MINIATURE POTENTIOMETER

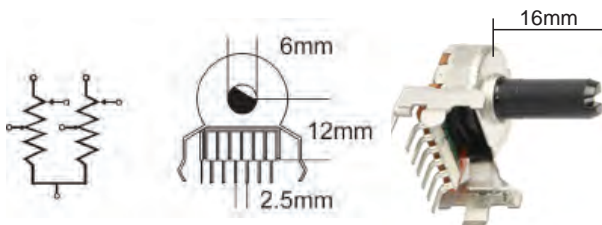
Mono Volume control With or without OFF  
switch Turn Volume to minimum, then off.

Value	Switch	Code
10K	Yes	V16S-10K
10K	No	V16N-10K
50K	No	V16N-50K



### OEM VOLUME POT

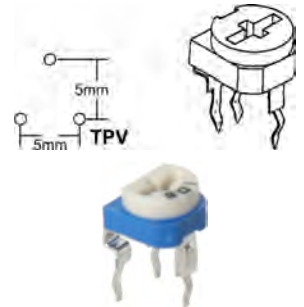
Code  
V50KBX2L



### TRIMMING POTENTIOMETERS

5mm industry standard TrimPot Vertical adjustment.

Value	Code
200Ω	TPV200
500Ω	TPV500
1KΩ	TPV1K
2KΩ	TPV2K
5KΩ	TPV5K
10KΩ	TPV10K
20KΩ	TPV20K
50KΩ	TPV50K
100KΩ	TPV100K
200KΩ	TPV200K
500KΩ	TPV500K
1MΩ	TPV1M



### TRIMMING POTENTIOMETERS

5mm industry standard TrimPot Horizontal adjustment.

Value	Code
200Ω	TPH200
500Ω	TPH500
1KΩ	TPH1K
2KΩ	TPH2K
5KΩ	TPH5K
10KΩ	TPH10K
20KΩ	TPH20K
50KΩ	TPH50K
100KΩ	TPH100K
200KΩ	TPH200K
500KΩ	TPH500K
1MΩ	TPH1M



### HIGH IMPEDANCE POTS

High voltage potentiometers Mega-Ohm Linear.  
25x25x15mm + 1/4" Standard Shaft.

Value	Code
10MΩ	FCP10M
15MΩ	FCP15M
22MΩ	FCP22M



### LDR - LIGHT DEPENDENT RESISTOR

Reduces resistance when exposed to light.

Light	16~50KΩ
Dark	2.0MΩ min
Vmax	150VDC
Pmax	100mW
Code	LDR07



Model	V <sub>max</sub> (VDC)	P <sub>max</sub> (mW)	Ambient Temp (°C)	Spectral Peak (nm)	Photo Resistance (10Lx) (KΩ)	Dark Resistance (MΩ)min	Ω min	Response Time (ms)
LDR07	150	100	-30 ~ +70	540	16 ~ 50	2.0	0.7	20 / 30

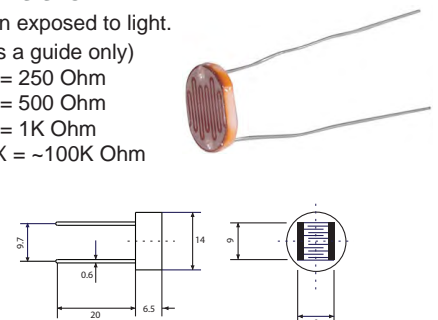
### LDR - LIGHT DEPENDENT RESISTOR LARGE

#### LARGE 15mm PHOTORESISTOR

Reduces resistance when exposed to light.

- Approximate Values (as a guide only)
- Resistance @ 3K LUX = 250 Ohm
- Resistance @ 2K LUX = 500 Ohm
- Resistance @ 1K LUX = 1K Ohm
- Resistance @ Low LUX = ~100K Ohm

Code LDR03





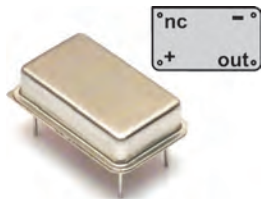
## Components Misc

### Crystals

#### 4.433MHZ COLOUR X'TAL

Crystal Oscillator block. TTL CMOS Compatible. As used in PAL Colour. 5V. 4.433MHz. 21x13x5mm

Freq.	Code
4.433MHz	QXO-1100



#### CRYSTALS LOW PROFILE

Freq.	Code
4.500000MHz	CR4.500LP
8.867238MHz	CR8.867LP



#### CRYSTALS STEEL CAP

Freq.	Code
2000Hz (2KHz)	CR2000
3.562MHz	CR3.562
3.579545MHz	CR3.579
4.0000MHz	CR4.000
4.43361875MHz	CR4.433
4.5000MHz	CR4.500
6.0000MHz	CR6.000
8.0000MHz	CR8.000
8.867238MHz	CR8.867
10.0000MHz	CR10.00
18.432MHz	CR18.432
18.832MHz	CR18.832
20.250MHz	CR20.250
27.000MHz	CR27.000



### Resonators

#### CERAMIC RESONATOR 4.00MHz

3 Pin type With built-in load capacitance.

Freq.	Code
4.00MHz	CST4.00MGW



#### SAW RESONATOR 304.0MHz

Suit UHF Remote Controls.

Freq.	Type	Code
304MHz	Rectangular	SAR304



#### SAW RESONATOR 304.0MHz

Suit UHF Remote Controls. TO39-3

Freq.	Type	Code
304MHz	Round	SAR3040B



#### CERAMIC RESONATORS

##### SQUARE

Freq.	Code
307KHz	CSB307D
393KHz	CSB393
400KHz	CSB400
420KHz	CSB420J
429KHz	CSB429
430KHz	CSB430
440KHz	CSB440
450KHz	CSB450
455KHz	CSB455
480KHz	CSB480
485KHz	CSB485
493KHz	CSB493
500KHz	CSB500



##### ROUND

Freq.	Code
3.52MHz	CSA3.52
3.58MHz	CSA3.58
10.00MHz	CSA10.00

### Filter Voltage

#### NOISE FILTER 40A

##### CLEAN POWER 500W

15VDC Power through. 25A Nom. 40A Max.

Code
AP958

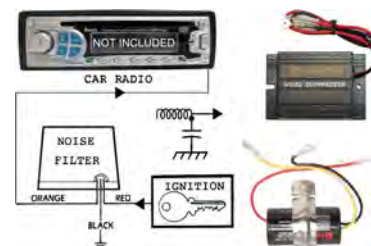


#### NOISE SUPPRESSOR FILTER

##### SQUARE FILTER

Choke and Cap  
Fire-wall mount  
Weather resistant

Current	Code
5 Amp	NS15S
10 Amp	NS20



#### NOISE SUPPRESSOR KIT

##### "Hot Line" FILTER

Comprises of one choke, 6mH(5A) or 3mH(10A) & a 100µF Cap. Suit 12V Automotive, etc.

Current	Value	Code
5 Amp	6mH	NS5
10 Amp	3mH	NS10



#### NOISE SUPPRESSOR

Direct mount Condenser Capacitor for general ignition noise suppression. 0.47µF EHV weather proof.

Code
CNS2



#### 12VDC STIFFENING CAPACITOR 1F

##### PREMIUM DYNAMICS

20 Volt High Current E.S.R. 0.00198 Ohm  
4 Digit Voltage Display with Bolt contacts

Value	1F
Volts	20Vdc
Size	250x75mmØ
Code	AP-PC10



#### FENDER CHOKE

##### 4H 90mA 100Ω

Replacement choke for Guitar Tube Amplifier.

Size	60x50x45mm
L	4H
Current	90mA
DCR	100
Original	125C1A
Part No	022699
Code	NSC125C1A





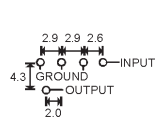


## Filter IF

### CERAMIC FILTER 455KHz

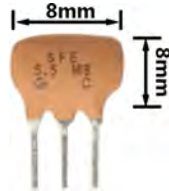
455KHz, 10KHz BW  
Resin moulded

Code  
CF455



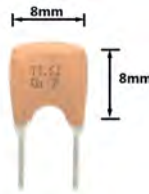
### CERAMIC FILTER 5.5MHz

Freq. 5.5MHz  
BW-3dB  $\pm 50$ KHz  
BW-20dB  $\pm 400$ KHz  
IL -8dB  
I/O 600 $\Omega$   
Code SFE5.5MBF



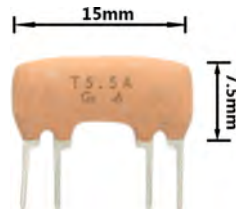
### CERAMIC TRAP 5.5MHz

Freq. 5.5MHz  
IL -35dB  
I/O 600 $\Omega$   
Code TPS5.5MJ



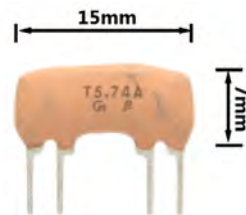
### CERAMIC FILTER 5.5MHz

Freq. 5.5MHz  
B/W 50KHz(-3dB)  
I/O 600 $\Omega$   
Code SFT5.5MA



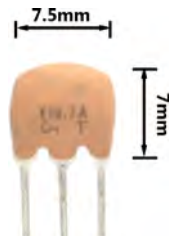
### CERAMIC FILTER 5.74MHz

Freq. 5.74MHz  
BW-3dB  $\pm 50$ KHz  
BW-20dB  $\pm 350$ KHz  
IL -9dB  
I/O 600 $\Omega$   
Code SFT5.74MA



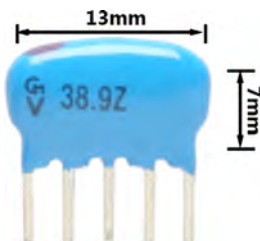
### CERAMIC FILTER 10.7MHz

Freq. 10.7MHz  
BW-3dB  $\pm 280$ KHz  
BW-20dB  $\pm 650$ KHz  
IL -6dB  
I/O 330 $\Omega$   
Code SFE10.7MA5A



### SAW FILTER 38.9MHz

IL -25dB  
Freq. 38.9MHz  
Code SAF38.9MZ



## Filters

### FERRITE BEAD INDUCTORS

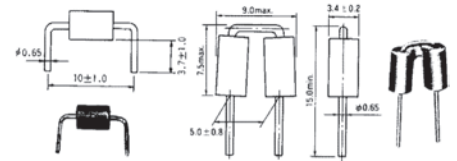
EMI suppression filter for power supplies, digital signals, etc.

#### DOUBLE BEAD

Code  
FBI-2

#### SINGLE BEAD

Code  
FBI-1



### FERRITE & CAP FILTERS 3-PIN

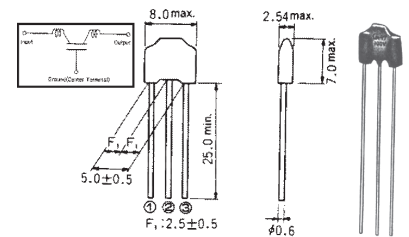
EMI suppression filter. High noise rejection.

#### 10,000pF 100V

Code  
EMIF103

#### 270pF 100V

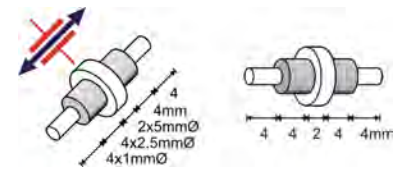
Code  
EMIF270



### FEED THROUGH CAPS 18-AWG

#### SOLDER MOUNT

EMI suppression.  
Feed-through type for  
VHF/UHF noise filter.

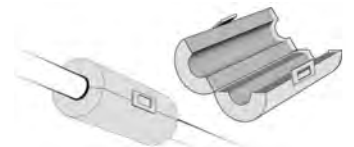


Value	Code
1nF 50V	FT318-1000

### FERRITE CABLE CLAMPS

These devices are highly permeable ferrite cores, split inside a plastic case that snaps closed over power and data cables. Suppress noise from / to many sources. eg. Computer monitors, Power cords, Switch mode supplies, etc... Choose by cable diameter.

Cable	Size	Code
5mm	15x23	EMIF1000
6.5mm	17x32	EMIF1350
7.5mm	20x32	EMIF1651
8.5mm	20x32	EMIF1652



## Surge Arrester

### GAS DC SURGE ARRESTER

Gas arresters offer protection against voltage transients on DC such as lightning, inductive switching, electrostatic, etc., in telephone and telecommunication equipment. Under normal conditions it's effectively a capacitor. When the impulse breakdown voltage is exceeded it goes conductive. The devices clamp to around 10 to 20V when arcing so they are NOT SUITABLE for 240VAC applications. Austel certified.

#### 2 LEAD

Nom.	Min.	Max.	Break down	Code
600V	510V	950V	950V(100V/uS) 1200V(1KV/uS)	GSA260



#### 3 LEAD

Nom.	Min.	Max.	Break down	Code
250V L-G	200V L-G	300V L-G	600V(100V/uS)L-G 900V(1KV/uS) L-G 1200(100V/uS)L-L	PMT310





## □ Projector & RPTV Parts

### METAL OXIDE VARISTOR SHARP

Original part as used in Sharp appliances.

Code  
VX0010



### PTC - POLYSWITCH PROTECTORS

Positive temperature coefficient resistor that undergoes a large, quick increase in resistance when an over-current or high temperature heats it above a specific point. When the temperature reduces, the PolySwitch resets to resume normal operation. No manual resetting is required. Can be used to protect batteries, power supplies, motors transformers, speakers, AC/DC, etc. The following characteristics are for DC in still air at 20°C. For AC use Ohms Law and a mean value for ITRIP & IHOLD (Remember the RMS!)

I hold	I trip	Cold $\Omega$	Code
0.10	0.20	2.50	RXE010
0.17	0.34	2.00	RXE017
0.20	0.40	1.83	RXE020
0.25	0.50	1.25	RXE025
0.30	0.60	0.88	RXE030
0.40	0.80	0.55	RXE040
0.50	1.00	0.50	RXE050
0.65	1.30	0.31	RXE065
0.75	1.50	0.25	RXE075
0.90	1.80	0.20	RXE090
1.10	2.20	0.15	RXE110
1.35	2.70	0.12	RXE135
1.60	3.20	0.09	RXE160
1.85	3.70	0.08	RXE185
2.50	5.00	0.05	RXE250
3.00	6.00	0.04	RXE300
3.75	7.50	0.03	RXE375



### HI-TECH® VARISTORS VDR MOV

Varistors are voltage dependent, non-linear devices which have an electrical behaviour similar to Back-To-Back Zener Diodes and are used for the absorption of transient voltages, suppression of pulse noise and general circuit stabilization.

Fast response Excellent voltage ratio High stabilization for circuit Vs Unparalleled absorption for transient voltage characteristics Bilateral and symmetrical V-I UL1414 UL1449 CSA VDE



#### Applications;

Surge protection in Consumer electronics Industrial electronics Telephone equipment Telecommunications Automotive instruments control and ignition systems. Measurement and control Gas & Petroleum Equipment Appliances, etc., etc. Absorption of switching surges for relays, switches, etc. Electro-static discharge Noise suppression specific component protection transistors, triacs, ICs, etc.

### METAL OXIDE VARISTORS

Zinc Oxide Voltage Dependent Resistors. Fast, Low-Leak MOVs. High Performance. Protects from Over-Voltage, Spikes, etc. Joules are now based on 10/1000 $\mu$ S waveform. Imax is now based on a 10/1000 $\mu$ S waveform.



Vrms(AC)	Vmax(DC)	Imax	Joules	Code
60	100	1750	12	7D101K
95	150	1750	13	7D151K
11	18	500	2	7D180K
14	22	500	2	7D220K
150	240	1750	21	7D241K
190	300	1750	26	7D301K
250	390	1750	35	7D391K
275	430	1750	40	7D431K
300	470	1750	42	7D471K
350	560	1750	49	7D561K
420	680	1750	50	7D681K
130	200	3500	35	10D201K
190	300	3500	54	10D301K
250	390	3500	70	10D391K
275	430	3500	80	10D431K
300	470	3500	85	10D471K
350	560	3500	92	10D561K
420	680	3500	92	10D681K
460	750	3500	100	10D751K
510	820	3500	110	10D821K
75	120	6000	80	14D121K
150	240	6500	84	14D241K
175	270	6500	99	14D271K
190	300	6500	108	14D301K
230	360	6500	130	14D361K
25	39	2000	13	14D390K
250	390	6500	140	14D391K
275	430	6500	155	14D431K
300	470	6500	175	14D471K
350	560	6500	190	14D561K
385	620	6500	190	14D621K
420	680	6500	172	14D681K
50	82	6000	28	14D820K
130	200	10000	180	20D201K
17	22	3000	19	20D270K
210	330	10000	228	20D331K
275	430	10000	305	20D431K
485	780	10000	440	20D781K
510	670	1355	460	20D821K
300	470	20000	440	25D471K
350	560	20000	440	25D561K
420	680	40000	460	25D681K
300	385	40000	600	34S471K
360	470	40000	710	34S561K
420	560	40000	910	34S681K
485	640	40000	930	34S781K

## □ Transorbs

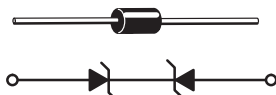
### TRANSORBS DEVICES

#### TRANSIENT VOLTAGE SUPPRESSORS

AKA; Transient absorption or suppressor diode, Avalanche diode, Series Protection Diode, etc. Designed specifically to protect sensitive electronics equipment from voltage transients induced by lightning and other transient voltage events. These devices are ideal for the protection of I/O interfaces, Vcc bus and other vulnerable circuits used in automotive, industrial and consumer electronic applications.

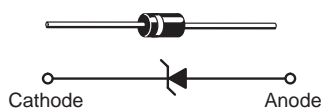
#### MOSORB BI-DIRECTIONAL 1.5KW

Vmin	Volts	Vmax	Imax	Code
6.45	6.8	7.14	143	1.5KE6.8CA
17.1	18	18.9	60	1.5KE18CA
190	200	210	5.5	1.5KE200CA



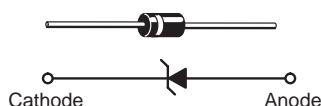
#### MOSORB UNI-DIRECTIONAL 1.5KW

Vmin	Volts	Vmax	Imax	Code
14.3	15.0	15.8	71	1.5KE15A
22.8	24.0	25.2	45	1.5KE24A
171	180	189	6.1	1.5KE180A
190	200	210	5	1.5KE200A



#### MICROSEMI UNI-DIRECTIONAL 5KW

Vmin	Volts	Vmax	Imax	Code
40.0	36	44.2	86	5KP36A







## Thermal

### Thermistor

#### THERMISTOR - TEMPERATURE SENSOR

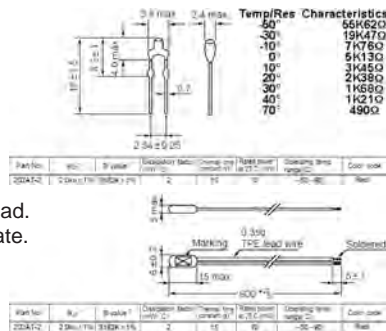
PCB Mount (2.54mm)  
Thermal device. 2.0KΩ at  
25°C ±0.3°C Precision.

Code  
202AT-2

#### WEATHER RESISTANT

"AT" Thermal resistor 60cm lead.  
Encased head. ±0.3°C Accurate.  
2KΩ at 25°C

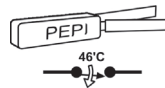
Code  
202AT-1



### Self-Reset

#### PEPI THERMAL SWITCH - SELF RESET

Thermal trigger switch as commonly  
used in power supplies & battery packs.  
With solder tags. Self-Resets.

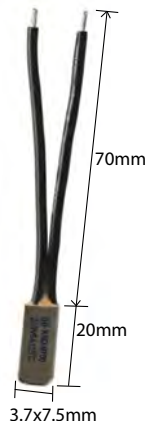


Size	Type	Temp	Volts	I	Code
20x5x7mm	N/C	45°	125V	6A	TSW45
15x3x5mm	N/C	46°	125V	2.6A	TSW46
15x3x7mm	N/O	46°	125V	2.6A	TSW47

#### THERMOSTAT 5A

Self reset for Fan motor, Transformers, Fluorescent lamp ballast,  
Battery, Induction Cooker, Motor etc. 5 Amp 250Vac. Tolerance ±5°C

Temp.	Code
70°C	KSD97-70
80°C	KSD97-80
85°C	KSD97-85
90°C	KSD97-90
95°C	KSD97-95
100°C	KSD97-100
105°C	KSD97-105
110°C	KSD97-110
115°C	KSD97-115
120°C	KSD97-120
125°C	KSD97-125
130°C	KSD97-130
135°C	KSD97-135
140°C	KSD97-140
145°C	KSD97-145
150°C	KSD97-150



### Cut-Off

#### TRANSFORMER 2A THERMAL CUT-OFFS

Goes open circuit if temperature is exceeded.  
Insulated. Used in transformers, motors, etc.  
Low DC to 240VAC 2A. Non-Resettable.

Size	Triggers	Code
6.5x2.5x9mm	102°C	TF102
6.5x2.5x9mm	115°C	TF115
6.5x2.5x9mm	125°C	TF125
6.5x2.5x9mm	130°C	TF130



#### TRANSFORMER 2A THERMAL CUT-OFFS

Temp	Code
100°C	TF12-100
105°C	TF12-105
110°C	TF12-110
115°C	TF12-115
120°C	TF12-120
125°C	TF12-125
130°C	TF12-130
133°C	TF12-133
140°C	TF12-140
145°C	TF12-145
150°C	TF12-150

Goes open circuit if temperature  
is exceeded. Insulated. Used  
in transformers, motors, etc.  
Low DC to 240VAC 2A.  
Non-Resettable.

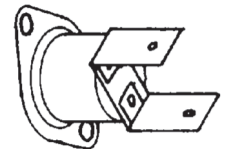


### Cut-Off

#### THERMAL CUT-OFFS 10A

Thermal circuit breakers as used in  
appliances like microwave ovens.  
Self resetting. Thermal triggered.  
Rated at 10A 240Vac.  
Normally closed.

Temp	Code
70°C	MWT70
75°C	MWT75
80°C	MWT80
85°C	MWT85
90°C	MWT90
95°C	MWT95
100°C	MWT100
105°C	MWT105
110°C	MWT110
115°C	MWT115
120°C	MWT120
125°C	MWT125
135°C	MWT135
140°C	MWT140
145°C	MWT145
150°C	MWT150
155°C	MWT155
160°C	MWT160
165°C	MWT165



#### THERMAL CUT-OFFS 10A

Microtemps are Non-Resettable metal thermal They go open circuit  
if a temperature is exceeded. As used in appliances like toasters,  
heaters, etc. Rated at 240Vac 10A. ~60mm long.

Temp	Code
70°C	MT70
72°C	MT72
76°C	MT76
77°C	MT77
80°C	MT80
85°C	MT85
92°C	MT92
94°C	MT94
99°C	MT99
105°C	MT105
110°C	MT110
113°C	MT113
121°C	MT121
126°C	MT126
128°C	MT128
133°C	MT133
135°C	MT135
139°C	MT139
142°C	MT142
145°C	MT145
150°C	MT150
152°C	MT152
155°C	MT155
167°C	MT167
172°C	MT172
180°C	MT180
182°C	MT182
184°C	MT184
192°C	MT192
195°C	MT195
198°C	MT198
210°C	MT210
216°C	MT216
228°C	MT228
230°C	MT230
240°C	MT240
245°C	MT245





## □ Lamps Indicator

### INDICATOR LAMP

Hole Diameter 7mm Volt 12

Colour	Code
Red	PL8R
Green	PL8GN



### INDICATOR LAMP CHROMIUM BEZEL

LED Insert with resistor. 12V Suit 8mm diameter hole.

Colour	Code
Red	PL6R
Green	PL6GN
Yellow	PL6YL
Empty	MTG5CHRM



### INDICATOR LAMP

Hole Diameter 15mm  
Lens 18mm Sqr. 12 Volt

Colour	Code
Orange	PL3



### INDICATOR LAMP CHROMIUM BEZEL

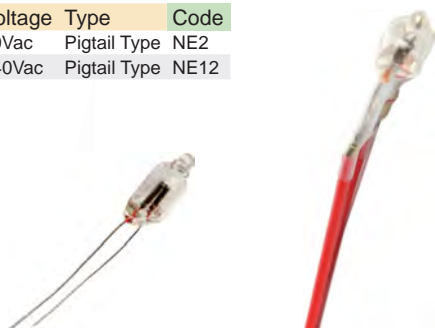
Hole Diameter 8mm. Volt 12 Lamp.

Colour	Code
Green	PL5GN



### NEON LAMP

Description	Voltage	Type	Code
Bare Wires	90Vac	Pigtail Type	NE2
With Buffer Resistor	240Vac	Pigtail Type	NE12



## □ Halogen

### QUARTZ HALOGEN LAMPS 12VDC

Pins	Size	Watt	Code
4mm	22x8mm	10W	QHL10
4mm	22x8mm	20W	QHL20

Pins	Size	Watt	Code
6mm	30x10mm	20W	QHL21
6mm	30x10mm	50W	QHL50
6mm	30x10mm	75W	QHL75
6mm	30x10mm	100W	QHL101



### QUARTZ HALOGEN 250VAC

Watt	Length	Code
100W	78mm	QHL100
150W	78mm	QHL150
150W	118mm	QHL151
200W	118mm	QHL201
300W	118mm	QHL300
500W	118mm	QHL500
1000W	189mm	QHL1000



## □ Low-V Bulbs

### ALARM WARNING LAMP

"Bi-pin" Lamp. Stiff legs. 60mA  
As used in illuminated push  
button switches, etc.

Order One to receive Five

Volts	Pack of	Code
12V	5	BIP3125
14V	5	BIP3145



### INDICATOR LAMP REPLACEMENT

5mm Diam. 12 Volt 100mA

Code
IL50-12



### PILOT LAMP 5mm SCREW

Torches, Dial Lamps, etc.

Volts	Code
3V	652-3
6V	652-6
12V	652-12



Quantity discounts available

### PILOT LAMP 9mm SCREW

Suit torches\*, Dial Lamps, etc.

Volts	Watt	Code
*2.2V	0.65W	653-3SB
*2.2V	0.7W	653-3LB
*5V	0.6W	653-5
6V	0.8W	653-6
12V	1.7W	653-12



### PILOT LAMP 9mm BAYONET

Torches, Dial Lamps, etc.

Volts	Watt	Code
6V	1.5W	654-6
12V	1.5W	654-12



### FUSE LAMPS 6.35mmx32mm

Same shape as a 3AG/MGC/TDL fuse.

Volts	Code
6v	754-6
8v	754-8
12V	754-12

Popular interior automotive  
and older HiFi dial lamps, etc.  
See fuse blocks for holders.



### SMALL WEDGE LAMPS 5mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	WL565
12V	5	WL5125



### WEDGE LAMPS 10mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	WL1065
8V	5	WL1085
12V	5	WL10125







## □ Wire Type

### LEAD LAMPS 3mm

Supplied individually (order one to receive one).

Volts	Code
6V	NL692-3-6
9V	NL692-3-9
12V	NL692-3-12



### LEAD LAMPS 4mm

Volts	Code
6V	NL692-4-6
9V	NL692-4-9
12V	NL692-4-12



### LEAD LAMPS 5mm

Volts	Code
6V	NL692-5-6
9V	NL692-5-9
12V	NL692-5-12



### LEAD LAMP 4mm

#### LOW BRIGHTNESS TYPE

Less heat and brightness as used in some indicators.

Volts	Code
12V	SL25



### AXIAL LAMPS 3mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	AXL365
9V	5	AXL395
12V	5	AXL3125



### AXIAL LAMPS 4mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	AXL465
9V	5	AXL495
12V	5	AXL4125



### AXIAL LAMPS 5mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	AXL565
9V	5	AXL595
12V	5	AXL5125



### WIRE TERMINAL 2.3mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	WT265
9V	5	WT295
12V	5	WT2125



### WIRE TERMINAL 3mm

Some car stereo front panels have coloured lighting using the low current wire terminal lamps below with the original rubber covers. (Re-use the original covers.)

Order one to receive a bag of five!

V/I	Pack of	Code
9V 30mA	5	IL3065
9V 30mA	5	IL3095
12V 40mA	5	IL30125



### WIRE TERMINAL 3mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	WT365
8V	5	WT385
9V	5	WT395
12V	5	WT3125



### WIRE TERMINAL 4mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	WT465
9V	5	WT495
12V	5	WT4125
14V	5	WT4145



### WIRE TERMINAL 5mm

Order One to receive a bag of FIVE

Volts	Pack of	Code
6V	5	WT565
12V	5	WT5125
24V	5	WT5245

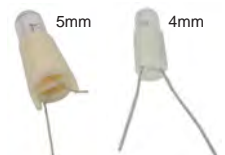


### BOARD STAND-OFF

#### REQUIRES WIRE TERMINAL LAMP

Plastic High-Temp base for holding Bi-wire lead lamps. Available to suit 4mm or 5mm wire terminal lamps (Required).

Size	Suits	Code
11x8mmØ	5mm	SL79-12
8x6mmØ	4mm	SL74-12



Shown with Bi-wire Lead lamps  
NOT INCLUDED

### BI-PIN LAMPS 4mm & 5mm

Order One to receive a bag of FIVE

Volts	Globe	Pack of	Code
6V	4mm	5	BIP465
6V	5mm	5	BIP565
8V	4mm	5	BIP485
12V	3mm	5	BIP3125
12V	4mm	5	BIP4125
12V	5mm	5	BIP5125

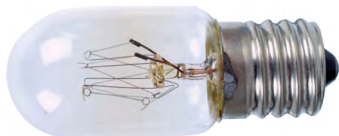




## □ Appliance

### LAMPS

#### MICROWAVE CONVECTION & FRIDGE



SEE ALSO SECTION 08  
POWER & LIGHTING

#### E14 LAMP

Base	E14 SES	E14 SES
Temp	-	300°C
Volts	240Vac	240Vac
Watt	15W	25W
Code	CL802	CL807



#### E14 LAMP

Base	E14 SES	E14 SES
Power	25W	25W
Volts	240Vac	130Vac
Code	CL818	CL819



#### E14 NARROW

Panasonic ANE6030Q50GN

Base	E14 SES
Watt	25W
Volts	240Vac
Temp	300°C
Code	MWL50



#### E14 LED BULB 1.5W

LED bulb is suitable for appliance lighting, such as in refrigerators, etc. Not ovens. 240Vac.

Lumens	120lm	
Power	1.5W	
Beam Angle	360°	
Size	23x50mm	
Colour Temp	Warm White	Cool White
Colour	3000K	6000K
Code	LBL-BC1-W1	LBL-BC1-C1



#### SHARP LAMP

Horizontal Type  
RLMPUA001WRE0  
350 626 0293

Code LMP001



### LAMP & BRACKET

Tags	4.8mm
Watt	20W
Volts	240Vac
Suit	Toshiba & others
Code	CL825



### E17 LAMP

Base	E17
Power	20W 240Vac
Temp	STD
Code	CL821



### E17 PANASONIC

Panasonic A60304080BP

Base	E17
Temp	300°C
Power	20W 240Vac
Code	MWL80



### E17 LAMP [125V]

Base	E17
Watt	20W
Volts	125Vac
Code	MWL40



### B22 BAYONET LAMP

Base	BC B22D	BC B22D
Watt	15W	25W
Volts	240Vac	240Vac
Code	CL804	CL809



### LAMP & BRACKET

Tags	4.8mm
Watt	20W
Volts	240Vac
Suit	NEC & others
Code	CL823



### LAMP & BRACKET

Hi-Temp bulb & base as one  
40mm between mounting holes.

Tags	6.5mm
Watt	25W
Volts	240Vac
Code	CL827



25mmØ (Bulb)  
66mm Height

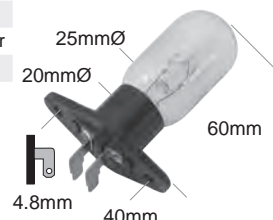
### AWI LAMP & BRACKET

Volts	240Vac
Watt	25W
Tags	4.8mm
Code	CL829



### LAMP & BRACKET

Volts	240Vac
Watt	25W
Tags	4.8mm pair
Code	CL832



25mmØ  
20mmØ  
60mm  
4.8mm  
40mm

### LAMP & BRACKET

Tags	4.8mm
Watt	25W
Volts	240Vac
Code	CL828



Right Angle

### AWI LAMP & BRACKET

PANASONIC F612E4YOOXP Y9N01

Volts	240Vac
Watt	25W
Tags	6.5mm 4.8mm
Code	F612E4





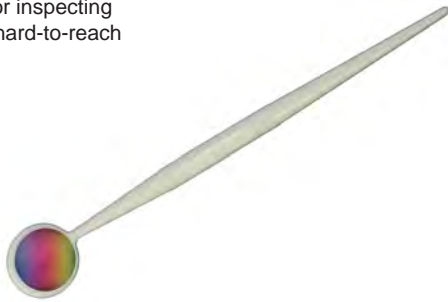


## □ Mirror

### DENTIST MIRROR

"Say Ahh!"  
Excellent assistant for inspecting components, etc. in hard-to-reach places. Plastic.  
20mm mirror.  
150mm handle.  
135° angled.

Code  
HT922



### TELESCOPIC DENTIST MIRROR

#### METAL PROFESSIONAL

32mm Mirror. Extends  
140mm to 535mm !  
Chromium. Bendable  
neck. Glass mirror.

Code  
HT8567

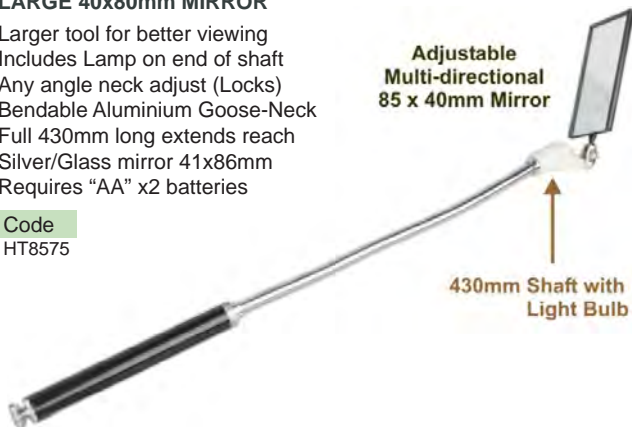


### INSPECTION MIRROR ILLUMINATED

#### LARGE 40x80mm MIRROR

Larger tool for better viewing  
Includes Lamp on end of shaft  
Any angle neck adjust (Locks)  
Bendable Aluminium Goose-Neck  
Full 430mm long extends reach  
Silver/Glass mirror 41x86mm  
Requires "AA" x2 batteries

Code  
HT8575

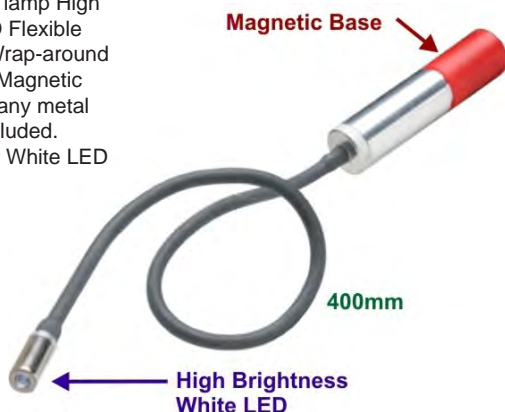


### GOOSE-NECK LAMP

#### MAGNETIC BASE

Third hand spy lamp High  
brightness LED Flexible  
400mm neck Wrap-around  
to hold Strong Magnetic  
base attach to any metal  
Button cells included.  
Great assistant White LED

Code  
HT8898



## □ Magnifiers

### 50mm ILLUMINATED MAGNIFIER

Lens is NOT Acrylic but  
proper coated glass!  
Illuminated. Ideal for  
component identification,  
etc. Requires 2 x 'AA'  
batteries. Glass Lens 3.5X

Code  
IMG50

#### REPLACEMENT GLOBE

Code  
653-3SB



### 75mm ILLUMINATED MAGNIFIER

Large, easy grip handle.  
Easy to clean, scratch  
resistant glass lens.  
Suitable for reading  
and component ID, etc.  
Illuminated. 2 x 'AA' Req'

Code  
IMG75

#### REPLACEMENT GLOBE

Code  
653-3SB



### 110mm HANDS-FREE MAGNIFIER

Hangs around your neck so your  
hands are free to work. Ideal  
for intricate work, reading, etc.  
Quality Construction, large coated  
glass lens. Easy to clean, Scratch  
resistant. Clip-on illuminator  
included for optional assisted  
viewing. Requires 2 x AA' batteries.

Code  
IMG110



### HANDS-FREE HEADSET MAGNIFIER

Cushioned headband Reduce  
eye strain Worn with/without  
your eye-glasses. Light weight,  
comfortable. 2.0x Medium  
Magnification lenses included.  
Interchangeable lens.  
Flips up out of the way.  
Acrylic no-scratch lens.  
Made USA [www.mageyes.com](http://www.mageyes.com)

Code  
IMG384



### MAG-EYES LENS ONLY

Upgrade your magnification.  
Original USA made MagEyes.  
Optical quality acrylic.  
Suit IMG384 MagEyes above.

#### 2.25x MEDIUM STRONG MAG'

Code  
IMG255

#### 2.75 STRONGEST MAG'

Code  
IMG257





## □ Magnifiers

### HANDHELD MAGNIFIER

#### WITH LED LIGHT

Expanding handle for desk top free-standing folding adjustable

Length	200mm
Lens	90mm
Mag.	Main 2.75x Small 6.00x
Code	IMG8090



### BENDABLE MAGNIFIER

#### DESK STAND

Metal goose-neck adjustable with stable weighted stand Built-in LED lighting

Neck	150mm
Lens	110mm
Mag.	Main 2.0x Mini 4.0x
Code	IMG4110-DT

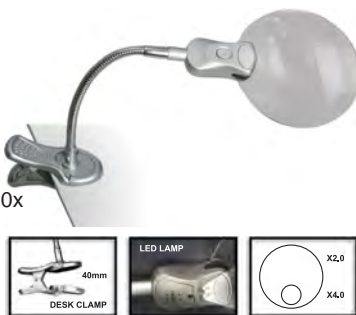


### BENDABLE MAGNIFIER

#### DESK CLAMP

Metal goose-neck adjustable with desk clamp 40mm max. Built-in LED lighting Neck 150mm Lens Diameter 110mm Mag Main 2.0x Mini 4.0x

Neck	150mm
Lens	110mm
Mag.	Main 2.0x Mini 4.0x
Code	IMG4110-CL



### HELPING HANDS 65MM

Hold tiny objects and magnify them for precision work. 6 Ball Joints for all angles. 65mm 2x Magnifying glass. Heavy cast-iron base. Alligator spring clips. Locks to any angle.

Code	HTA65
------	-------



### HELPING HANDS 90MM

Sturdy Heavy-Duty design Assists with holding objects and magnifies for precision work Fully adjustable angles Heavy cast-iron base with sponge or parts holder tray 90mm 2x Magnifying 2x Alligator clips

Code	HTA90
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### MAGNIFYING LAMP DESK

#### 90MM COMPACT ILLUMINATED FLUORO OR LED

Compact desk-top lamp with magnification as used for meticulous detailed work 95mm magnifying lens with a 5 diopter scratch resistant lens surrounded by a round 12W fluoro tube or 32x Super bright LEDs for excellent illumination. Adjustable angle mast 400mm max Ball-In-Socket head joint. 240Vac. Weighted base.

#### LED ILLUMINATED

32x Super Bright LEDs

Code	IMG2012B-LED
------	--------------

#### FLUORESCENT TUBE

Desk Lamp with 12W Round Tube. Energy efficient electronic ballast.

Code	IMG2012B
------	----------

#### REPLACEMENT GLOBES

12W 138mm Suits IMG2012B

Code	LMP2012
------	---------



4 Pin 12W



115mm I/D  
138mm O/D



### MAGNIFYING LAMP PROFESSIONAL

#### 5 DIOPTER



Professional laboratory grade magnifier and lamp assembly. Work bench edge clamp base. Excellent construction and superior adjustability unit with 3 articulation joints. Heavy duty, hidden springs, easy to manoeuvre assistance. Glass lens surrounded by a 22W round fluorescent tube or 56x Super bright LEDs for illumination and vision. Includes clamp base. Optional stands stable for 300mm arm version only.

#### LED ILLUMINATED MAG LAMP

Desk clamp w/ 56x Super LEDs.

Arm	Code
300mm x2	IMG6016LED-12
400mm x2	IMG6016LED-16

#### FLUORESCENT TUBE MAG LAMP

Desk Lamp with 28W Round Tube.

300mm x2	IMG6016-12
400mm x2	IMG6016-16

#### REPLACEMENT GLOBES

28W 205mm 4 Pin

Suit	Code
IMG6016	LMP6016

#### DESKTOP BASE ONLY

Weighted base for a non-scratch desk-top. Base only. Requires 6016 Series Lamp. Suitable for shorter 300mm arms only.

Code	IMG01
------	-------

#### TROLLEY STAND ONLY

Four caster-wheel trolley stand 600mm tall. Base only. Requires 6016 Series Lamp. Suitable for shorter 300mm arms only.

Code	IMG04
------	-------







## □ Lighting & Torches

### LED SPOTLIGHT KIT

#### MAGNETIC BASE OR DESK CLAMP

Goose Neck to Focus bright, clear light exactly where it's needed, anywhere it's needed!

With a powerful magnetic base, a clamping metal sub-base and a flexible Gooseneck, this 14 LED-bulb lamp anchors down on power tools, workbenches and more, then bends and flexes its way into perfect position while staying out of your way. Great for delicate cuts, precise drilling, under the bonnet, in the field or whenever you need to brighten up your view.

- **THREE INTERCHANGEABLE LAMPS** Three lamp options are fully interchangeable with each other.
- **1/ LED LAMP** Included in the kit is a 35mm diameter Spotlight Head with 14 LEDs for excellent work space illumination.
- **2/ FOCUS BEAM** A super high brightness single LED bulb with adjustable lens for focusing the light beam to precision viewing.
- **3/ MAGNIFIER LAMP** Magnifying lens 110mm coated glass surrounded with 18 LEDs. Five times (5x) magnification.
- **DESK CLAMP** Bracket is great for adding light to operations on wooden tables, drill presses, and benchtops, magnet base clips to this bracket.
- **BATTERY OR MAINS** Includes power pack for 240Vac mains operation.



Code  
IMG6429

### MINING LAMP

#### HANDS FREE LIGHTING

Adjustable elastic strap for wearing of your head hands-free light pointing Adjustable angle & brightness

Type Code  
12 LEDs SNHD12



### HEAD TORCH 3W

This multi-function head torch with adjustable head band includes a 3 watt white LED and 2 high brightness red LEDs.

- Up to 80 Lumens output
- Requires 3 x AA batteries (not included)
- Dimensions: 60(L) x 45(W) x 35(D)mm

Code  
SNHD3



### LED CAP LIGHT

#### HAT RIM CLIP

Fits to front rim for hands free illumination. Suit hands-free working. Night safety bike-riding. Thin curved style for popular base-ball caps. 5 super-bright LEDs. 12,000mcd brightness. 2x CR2032 batteries. 80x50x10mm.

Code  
TORCHL79



### DROP LIGHTS

#### 12V FLUORO TUBE 13W

Bright fluoro lamp with hook for under bonnet, camp sites, etc. 12Vdc. Includes 3.0M cable to accessories plug. 370mm Long.

Code  
TT1104



### 10W RECHARGEABLE CREE LED HEADLAMP

#### WITH 240V AC Li-ION BATTERY CHARGING

This high performance headlamp is suitable for working in darkness where you need both hands to be free. It features the incredibly bright and long life CREE XML-T6 LED, which is capable of producing up to 1000 Lumens of cool white light. The LED lamp can be tilted 100°. Marine aluminium construction with glass lens and rubber push-button IP66. Soft elastic straps are adjustable to fit different users, helmets, etc. The LED lamp has 3 different operation modes including full or half brightness, plus strobe. It has a long beam range up to 300M. Replaceable rechargeable Li-Ion batteries 18650 for 3200mAh 3.7V (each x2). Can last 2hrs (Full) 4hrs (half). The head lamp unit can be recharged in 4hrs with the 500mA 4.2V power pack included.

- Featuring the bright and long life CREE XML-T6 LED
- Producing up to 1000 Lumens of cool white light
- Can be tilted by 100°. IP66. Beam range up to 300M.
- Elastic straps are adjustable to fit different users, helmets, etc.
- 3 operation modes including full or half brightness, plus strobe.
- Super High Lumen Output with a beam range up to 300 Metres.
- Included 2x rechargeable Li-Ion batteries 18650 (3200mAh 3.7V).
- Can last about 2hrs (Full) 4hrs (half). The headlamp unit can be recharged in 4hrs with the 500mA 4.2V power pack (included)

Lumens	Colour	Beam length	Code
1000Lm	Cool White	200M-300M	LED471



### LED RECHARGEABLE

60X Super Bright LEDs. Charge from mains or Car 12V. 440mm

Code  
CAT660WL

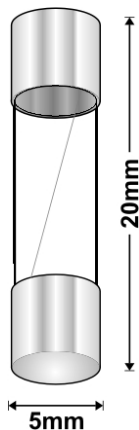




## □ Fuses

### CEB GLASS FUSE 2AG

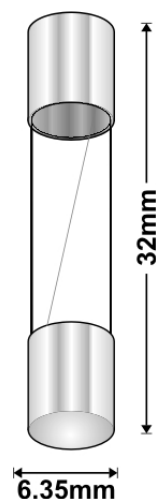
Amps	Code
50mA	CEB.050
100mA	CEB.100
125mA	CEB.125
150mA	CEB.150
160mA	CEB.160
200mA	CEB.200
250mA	CEB.250
315mA	CEB.315
400mA	CEB.400
500mA	CEB.500
600mA	CEB.600
630mA	CEB.630
750mA	CEB.750
800mA	CEB.800
1A	CEB1
1.25A	CEB1.25
1.5A	CEB1.5
1.6A	CEB1.6
2A	CEB2
2.5A	CEB2.5
3A	CEB3
3.15A	CEB3.15
3.5A	CEB3.5
4A	CEB4
5A	CEB5
6.3A	CEB6.3
6.5A	CEB6.5
7A	CEB7
7.5A	CEB7.5
8A	CEB8
10A	CEB10
12A	CEB12
15A	CEB15
20A	CEB20



2AG

### MGC GLASS FUSE 3AG

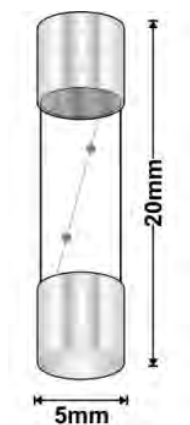
Amps	Code
50mA	MGC.050
100mA	MGC.100
125mA	MGC.125
150mA	MGC.150
160mA	MGC.160
200mA	MGC.200
250mA	MGC.250
315mA	MGC.315
350mA	MGC.350
500mA	MGC.500
600mA	MGC.600
630mA	MGC.630
750mA	MGC.750
800mA	MGC.800
1A	MGC1
1.25A	MGC1.25
1.5A	MGC1.5
1.6A	MGC1.6
2A	MGC2
2.5A	MGC2.5
3A	MGC3
3.15A	MGC3.15
3.5A	MGC3.5
4A	MGC4
5A	MGC5
6.3A	MGC6.3
6.5A	MGC6.5
7A	MGC7
7.5A	MGC7.5
8A	MGC8
10A	MGC10
12A	MGC12
15A	MGC15
20A	MGC20
25A	MGC25
30A	MGC30



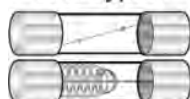
3AG

### TBX SLOW BLOW 2AG

Amps	Code
50mA	TBX.050
100mA	TBX.100
125mA	TBX.125
150mA	TBX.150
160mA	TBX.160
200mA	TBX.200
250mA	TBX.250
315mA	TBX.315
400mA	TBX.400
500mA	TBX.500
630mA	TBX.630
750mA	TBX.750
800mA	TBX.800
1A	TBX1
1.25A	TBX1.25
1.5A	TBX1.5
1.6A	TBX1.6
2A	TBX2
2.5A	TBX2.5
3A	TBX3
3.15A	TBX3.15
3.5A	TBX3.5
4A	TBX4
5A	TBX5
6A	TBX6
6.3A	TBX6.3
6.5A	TBX6.5
7A	TBX7
8A	TBX8
10A	TBX10
15A	TBX15



Two Types:

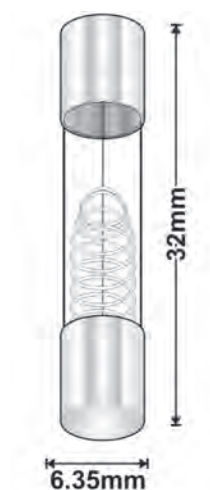


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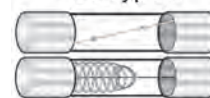
2AG

### TDL SLOW BLOW 3AG

Amps	Code
50mA	TDL.050
100mA	TDL.100
125mA	TDL.125
150mA	TDL.150
160mA	TDL.160
200mA	TDL.200
250mA	TDL.250
315mA	TDL.315
350mA	TDL.350
375mA	TDL.375
500mA	TDL.500
600mA	TDL.600
630mA	TDL.630
750mA	TDL.750
800mA	TDL.800
1A	TDL1
1.25A	TDL1.25
1.5A	TDL1.5
1.6A	TDL1.6
2	TDL2
2.5A	TDL2.5
3A	TDL3
3.15A	TDL3.15
3.5A	TDL3.5
4A	TDL4
5A	TDL5
6.3A	TDL6.3
7A	TDL7
7.5A	TDL7.5
8A	TDL8
10A	TDL10
15A	TDL15
20A	TDL20



Two Types:



Type supplied on availability

3AG





## TBX PIGTAIL GLASS FUSES 2AG

### SLOW BLOW (250V)

Amps	Code
100mA	TBX.100PT
125mA	TBX.125PT
160mA	TBX.160PT
200mA	TBX.200PT
250mA	TBX.250PT
315mA	TBX.315PT
400mA	TBX.400PT
500mA	TBX.500PT
630mA	TBX.630PT
800mA	TBX.800PT
1A	TBX1PT
1.25A	TBX1.25PT
1.6A	TBX1.6PT
2A	TBX2PT
2.5A	TBX2.5PT
3.15A	TBX3.15PT
4A	TBX4PT
5A	TBX5PT
6.3A	TBX6.3PT
8A	TBX8PT
10A	TBX10PT
12A	TBX12PT
12.5A	TBX12.5PT
15A	TBX15PT
16A	TBX16PT
20A	TBX20PT



**2AG**

## TDL PIGTAIL GLASS FUSES 3AG

### SLOW-BLOW (250V)

Amps	Code
200mA	TDL.200PT
250mA	TDL.250PT
300mA	TDL.300PT
315mA	TDL.315PT
350mA	TDL.350PT
400mA	TDL.400PT
500mA	TDL.500PT
600mA	TDL.600PT
630mA	TDL.630PT
750mA	TDL.750PT
800mA	TDL.800PT
1A	TDL1PT
1.2A	TDL1.2PT
1.25A	TDL1.25PT
1.5A	TDL1.5PT
1.6A	TDL1.6PT
2A	TDL2PT
2.5A	TDL2.5PT
3A	TDL3PT
3.15A	TDL3.15PT
3.5A	TDL3.5PT
4A	TDL4PT
5A	TDL5PT
6A	TDL6PT
6.3A	TDL6.3PT
7A	TDL7PT
8A	TDL8PT
9A	TDL9PT
10A	TDL10PT
12A	TDL12PT
15A	TDL15PT



**3AG**

## CEB PIGTAIL GLASS FUSES 2AG

### FAST BLOW (250V)

Amps	Code
125mA	CEB.125PT
160mA	CEB.160PT
200mA	CEB.200PT
250mA	CEB.250PT
315mA	CEB.315PT
400mA	CEB.400PT
500mA	CEB.500PT
630mA	CEB.630PT
750mA	CEB.750PT
800mA	CEB.800PT
1A	CEB1PT
1.25A	CEB1.25PT
1.6A	CEB1.6PT
2A	CEB2PT
2.5A	CEB2.5PT
3.15A	CEB3.15PT
4A	CEB4PT
5A	CEB5PT
6.3A	CEB6.3PT
8A	CEB8PT
10A	CEB10PT
12A	CEB12PT
12.5A	CEB12.5PT
15A	CEB15PT
16A	CEB16PT
20A	CEB20PT



**2AG**

## MGC PIGTAIL GLASS FUSES 3AG

### FAST BLOW (250V)

Amps	Code
100mA	MGC.100PT
125mA	MGC.125PT
150mA	MGC.150PT
160mA	MGC.160PT
200mA	MGC.200PT
250mA	MGC.250PT
300mA	MGC.300PT
315mA	MGC.315PT
350mA	MGC.350PT
400mA	MGC.400PT
500mA	MGC.500PT
600mA	MGC.600PT
630mA	MGC.630PT
750mA	MGC.750PT
800mA	MGC.800PT
1A	MGC1PT
1.2A	MGC1.2PT
1.25A	MGC1.25PT
1.5A	MGC1.5PT
1.6A	MGC1.6PT
2A	MGC2PT
2.5A	MGC2.5PT
3A	MGC3PT
3.15A	MGC3.15PT
3.5A	MGC3.5PT
4A	MGC4PT
5A	MGC5PT
6A	MGC6PT
6.3A	MGC6.3PT
7A	MGC7PT
8A	MGC8PT
9A	MGC9PT
10A	MGC10PT
12A	MGC12PT
15A	MGC15PT

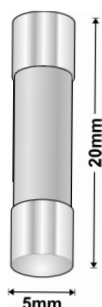


**3AG**



## ABD CERAMIC 2AG FAST BLOW

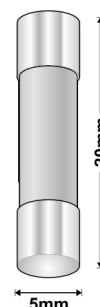
Amps	Code
500mA	ABD.500
750mA	ABD.750
1A	ABD1
2A	ABD2
2.5A	ABD2.5
3A	ABD3
4	ABD4
5A	ABD5
6A	ABD6
7A	ABD7
8A	ABD8
10A	ABD10



2AG

## AFD CERAMIC 2AG SLOW BLOW

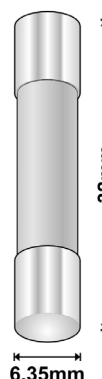
Amps	Code
125mA	AFD.125
250mA	AFD.250
1A	AFD1
1.25A	AFD1.25
1.6A	AFD1.6
2A	AFD2
2.5A	AFD2.5
3.15A	AFD3.15
5A	AFD5
6.3A	AFD6.3
8A	AFD8
10A	AFD10
12.5A	AFD12.5



2AG

## ABC CERAMIC 3AG FAST BLOW

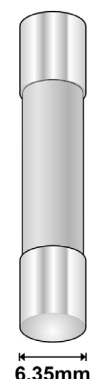
Amps	Code
750mA	ABC.750
1A	ABC1
2A	ABC2
2.5A	ABC2.5
3A	ABC3
4A	ABC4
5A	ABC5
6A	ABC6
7A	ABC7
8A	ABC8
10A	ABC10
15A	ABC15
20A	ABC20



3AG

## AFC CERAMIC 3AG SLOW BLOW

Amps	Code
1A	AFC1
1.5A	AFC1.5
1.6A	AFC1.6
2A	AFC2
2.5A	AFC2.5
3.15A	AFC3.15
5A	AFC5
6.3A	AFC6.3
7A	AFC7
8A	AFC8
10A	AFC10
12A	AFC12
15A	AFC15
16A	AFC16
20A	AFC20

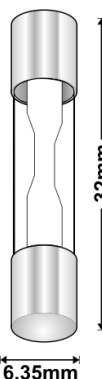


3AG

## AGF 32V FAST 3AG

Amps	Code
1A	AGF1
2A	AGF2
3A	AGF3
4A	AGF4
5A	AGF5
6A	AGF6
8A	AGF8
10A	AGF10
12A	AGF12
15A	AGF15
20A	AGF20
25A	AGF25
30A	AGF30
35A	AGF35

Similar to MGC Series  
Except optimized for  
low voltage (32V)  
ie. Automotive



3AG

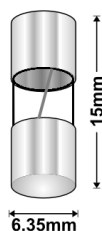
## BOS GLASS FUSE

Amps	Code
3A	BOS3
5A	BOS5
10A	BOS10
15A	BOS15
20A	BOS20
25A	BOS25
30A	BOS30
35A	BOS35



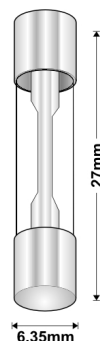
## AGA GLASS FUSE

Amps	Code
1A	AGA1
1.5A	AGA1.5
2A	AGA2
2.5A	AGA2.5
5A	AGA5
6A	AGA6
7.5A	AGA7.5
10A	AGA10
15A	AGA15
25A	AGA25
30A	AGA30



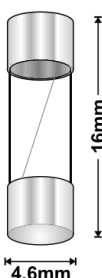
## SFE GLASS FUSE

Amps	Code
1A	SFE1
1.5A	SFE1.5
2A	SFE2
3A	SFE3
6A	SFE6
7.5A	SFE7.5
9A	SFE9
14A	SFE14
20A	SFE20



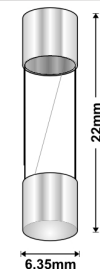
## SGB GLASS FUSE

Amps	Code
125mA	SGB.125
315mA	SGB.315
1A	SGB1
1.6A	SGB1.6
2A	SGB2
2.5A	SGB2.5
3A	SGB3
5A	SGB5
7.5A	SGB7.5
8A	SGB8
20A	SGB20



## AGW GLASS FUSE

Amps	Code
1A	AGW1
1.5A	AGW1.5
3A	AGW3
5A	AGW5
7.5A	AGW7.5
10A	AGW10
15A	AGW15
20A	AGW20
25A	AGW25
30A	AGW30







## CIRCUIT PROTECTOR CHIPS - F

Current	Code
400mA	ICPF10
600mA	ICPF15
800mA	ICPF20
1A	ICPF25
1.5A	ICPF38
2A	ICPF50
2.7A	ICPF75



## CIRCUIT PROTECTOR CHIPS - N

Current	Code
250mA	ICPN5
400mA	ICPN10
600mA	ICPN15
800mA	ICPN20
1A	ICPN25
1.5A	ICPN38
2A	ICPN50
2.7A	ICPN75



## MICRO FUSES RADIAL

**SLOW BLOW** Time Lag 8mm x 8mmØ

Amps	Code
100mA	ETF100
125mA	ETF125
160mA	ETF160
200mA	ETF200
250mA	ETF250
315mA	ETF315
400mA	ETF400
500mA	ETF500
630mA	ETF630
800mA	ETF800
1A	ETF1
1.25A	ETF1.25
1.6A	ETF1.6
2A	ETF2
2.5A	ETF2.5
3.15A	ETF3.15
4A	ETF4
5A	ETF5
6.3A	ETF6.3



## PICOFUSES

Current	Code
100mA	PF.100
125mA	PF.125
160mA	PF.160
200mA	PF.200
250mA	PF.250
315mA	PF.315
375mA	PF.375
500mA	PF.500
630mA	PF.630
750mA	PF.750
1A	PF1
1.2A	PF1.2
1.5A	PF1.5
2A	PF2
2.5A	PF2.5
3A	PF3
3.5A	PF3.5
4A	PF4
5A	PF5
6.3A	PF6.3
7A	PF7
10A	PF10
15A	PF15



Very Fast Blow.  
2.4x7mm  
Length 62mm

## HRC HIGH RUPTURE 5AG FUSE

Ceramic Barrel 5AG 38x10mmØ  
500Vdc/660Vac 100KA Surge

Current	Code
1A	HRC1
6A	HRC6
8A	HRC8
10A	HRC10
16A	HRC16
20A	HRC20
32A	HRC32

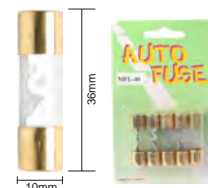


SHATTER PROOF

## HIGH CURRENT 5AG CAR-AMP FUSES

Large Gold plated fuses as used in high-end car audio equipment.  
See Automotive Section for fuse holders to suit, etc.

Current	Pack of	Code
10A	5	MFL10
20A	5	MFL20
30A	5	MFL30
40A	5	MFL40
50A	5	MFL50
60A	5	MFL60



## GBC FUSES

Amps	Code
5A	GBC5
8A	GBC8
16A	GBC16
20A	GBC20
25A	GBC25
35A	GBC35

\*Colours may differ: Check value stamped on barrel or holder.



25x6mm

## ANL MEGA-FUSE

### 2" BLADE GOLD-PLATED

Low voltage High current.

Amps	Code
80A	ANL80
100A	ANL100
150A	ANL150
200A	ANL200



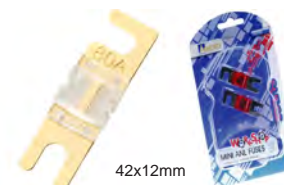
81x22mm

## AMA FUSES

### BUY 1 TO RECEIVE 2

Mini version of the ANL fuse straps.  
Sold packaged in packets of TWO.

Amps	Pack of	Code
50	2	AMA50
60	2	AMA60
80	2	AMA80
100	2	AMA100
120	2	AMA120



42x12mm

## ATN FUSES 5 PACK

### MINI 11mm BLADE FUSE X5

Order 1 to receive a box of FIVE.

Current	Pack of	Code
5A	5	ATN5
7.5A	5	ATN7.5
10A	5	ATN10
15A	5	ATN15
20A	5	ATN20
25A	5	ATN25
30A	5	ATN30



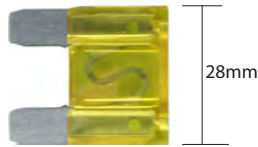


## Fuses

### ATM MAXI-FUSE LARGE 28MM

Jumbo sized for jumbo currents.

Current	Code
20A	ATM20
30A	ATM30
40A	ATM40
50A	ATM50
60A	ATM60
70A	ATM70
80A	ATM80



### ATC AUTO FUSE POPULAR 18MM

Popular type "Spade terminal"  
As used in many of today's cars.

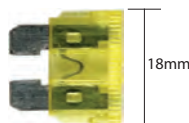
Current	Pack of	Code
2A	5	ATC2
3A	5	ATC3
4A	5	ATC4
5A	5	ATC5
7.5A	5	ATC7.5
10A	5	ATC10
15A	5	ATC15
20A	5	ATC20
25A	5	ATC25
30A	5	ATC30
35A	5	ATC35



### ATC 18MM BULK

ORDER ONE TO RECEIVE FIFTY

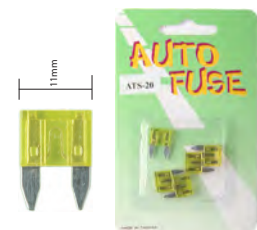
Current	Pack of	Code
3A	50	ATC3-50
4A	50	ATC4-50
5A	50	ATC5-50
7.5A	50	ATC7.5-50
10A	50	ATC10-50
15A	50	ATC15-50
20A	50	ATC20-50
25A	50	ATC25-50
30A	50	ATC30-50
35A	50	ATC35-50



### ATS AUTOMOTIVE FUSES MINI 11MM

Miniature fuse used in car amps, audio, etc.

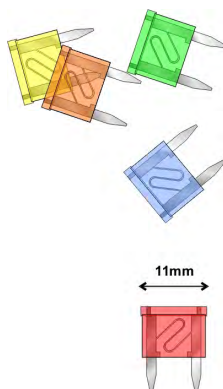
Current	Pack of	Code
2A	5	ATS2
3A	5	ATS3
4A	5	ATS4
5A	5	ATS5
7.5A	5	ATS7.5
10A	5	ATS10
15A	5	ATS15
20A	5	ATS20
25A	5	ATS25
30A	5	ATS30
35A	5	ATS35



### ATS 11MM BULK

ORDER ONE TO RECEIVE FIFTY

Current	Pack of	Code
3A	50	ATS3-50
4A	50	ATS4-50
5A	50	ATS5-50
7.5A	50	ATS7.5-50
10A	50	ATS10-50
15A	50	ATS15-50
20A	50	ATS20-50
25A	50	ATS25-50
30A	50	ATS30-50
35A	50	ATS35-50



## Circuit-Breakers

### PANEL MOUNT BREAKERS

Thermal. Resettable. AC/DC 240Vac max.  
50Vdc max. 150% Slow. 200% Fast.

Amps	Code
2A	PCB2
3A	PCB3
5A	PCB5
10A	PCB10
15A	PCB15



### PANEL MOUNT BREAKERS

240Vac max. 50Vdc max.  
150% Slow. 200% Fast.

Amps	Code
3A	CRB3
5A	CRB5
10A	CRB10
15A	CRB15
20A	CRB20
25A	CRB25
30A	CRB30
35A	CRB35



### SNAP FIT PUSH BUTTON

Switch kicks Off when current exceeded. Simply switch back on.  
Combination illuminated switch in one compact package.

Amps	Code
3A	PMB3
5A	PMB5
8A	PMB8
10A	PMB10
15A	PMB15



Hold Current: 100% load indefinitely  
Trip Current: Within 1 hr @ 135% load  
Within 1 minute @ 200% load  
Neon Voltage: 250V AC  
Max. Voltage: 250V AC or 50V DC  
Panel Cutout: 13.35mm x 28.5mm  
Dimensions: 33H x 32L x 15.5W mm

### RESETTABLE CIRCUIT BREAKER 60A

60A 4/8AWG INLINE

Current	Code
60A	AP484



### RESETTABLE CIRCUIT BREAKERS

BAKELITE FLAT MOUNT

Current	Code
70A	CRB70
100A	CRB100
140A	CRB140



## AUTOMOTIVE ELECTRONICS

### AUTOMOTIVE SECTION

Car Audio, Wiring Looms,  
Accessories and more...







## □ Fuse Holders

### ATC FUSE BLOCK

Designed for multiple hook-up of accessories, each with individual screw terminal outputs. Accepts up to six fuses. (Not included) See ATC

Code  
AFB400



### ATS WATER RESISTANT

Heavy duty design for use in unprotected places on boats, under car bonnets, etc. ATS Fuse not included. 135mm x2 12AWG wire

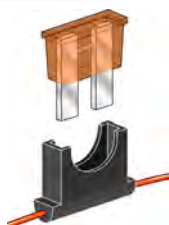
Code  
FH17



### ATC INLINE FUSE

General purpose Suit ATC plug-in fuses with wiring. No soldering required. Fuse not included.

Max. Code  
30A JEF703



### ATC WATER RESISTANT

Heavy duty design for use in unprotected places on boats, under car bonnets, etc. Fuse not included.

Max. Code  
30A FH18



### ATM FUSE BLOCK

Gold-Plated Fuse Block Clear plastic covered 8mm(x2) in, 6mm(x4) out. Suits "ATM" 28mm fuses.

Code  
FDB531



### AGU FUSE HOLDERS

#### 4-8 AWG CABLE

Code  
FH512



### AGU DISTRIBUTION BLOCKS

Uses 10 - 60A AGU type fuses. Single in, multiple out.

#### 4AWG TO 2x8AWG

Code  
FDB526



#### 4AWGx2 TO 4x8AWG

Code  
FDB524



### FUSE HOLDERS

Chassis mount. Bakelite.

#### 20x5mm CEB/TBX

Code  
FH3



#### 32x6.35mm MGC/TDL

Code  
FH2

### FUSE HOLDER

Screws open with a coin or screwdriver. Chassis mount. Extrudes only 2mm Hi-Temp plastic.

#### 20x5mm CEB/TBX

Code  
FH31



### FUSE HOLDER

Cap opens with a screwdriver Chassis mount. Bakelite. 10A.

#### 32x6.35mm MGC/TDL

Code  
FH21



### MGC/TDL FUSE HOLDER

Chassis mount Suit 32 x 6.35mm fuse Clip off face.

Code  
FH12



### MGC/TDL FUSE HOLDER

In-line kit Suit 32 x 6.35mm fuse Clear plastic

Code  
FH5



### MGC/TDL FUSE HOLDER

In-line with lead. Suit 32 x 6.35mm fuse Popular bayonet type Ready made with wire No soldering required.

Code  
FH4



### MGC/TDL HEAVY DUTY

Wired with 12 gauge Suit 32 x 6.35mm fuse Screw barrel. High temperature plastic. No soldering required.

Code  
FH8



### MGC/TDL WEATHER-PROOF

#### RUBBER BOOT TYPE

Heavy duty Water proof Yellow rubber 3AG 15A Max Chromium Crimp

Code  
FH306



### SCREW-DOWN FUSE HOLDER

Fibre-Glass. Chassis mount 20x5mm CEB/TBX

Code  
FH14

#### 32x6.35mm MGC/TDL

Code  
FH16



### PCB MOUNT FUSE ENDS

10mm MFL/HRC each.

Pack of Code  
One FH1038

#### 5mm CEB/TBX

Pack of Code  
10 FH9

#### 6.35mm MGC/TDL

Pack of Code  
10 FH10



### MGC/TDL FUSE HOLDER

Car Accessories plug. High temp casing with holder to suit 32x6.35mm fuse

Code  
P810



### ANL FUSE HOLDERS

#### 0-2 AWG CABLE

Code  
AP462



### FUSE PULLER

For removing Round Glass Fuses and also ATC type fuses.

Code  
FRT3



### HEAVY DUTY

Adjustable jaws (9-35mm) for removing fuses, relays and other components.

Code  
YF6254

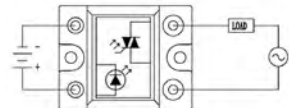


## Relays

### Solid State Relays

No moving parts semiconductor opto-isolated Triac.

Coil	3-32Vdc 12mA
Type	SPST
Amax	40Arms
Vmax	250Vrms 480Vrms
Size	45x58x16mm 62x45x24mm
Code	KSD240AC8 SSR-40



### GP Relays

#### SPST REED DIP

Can be driven directly by CMOS, TTL, etc. Vmax 100VDC/AC peak Imax 1/4A switch 1A carry.

Type	SPST
Vmax	100V
Amax	0.5A
Size	20x7x7mm
Coil	5V 10mA 12V 12mA
Code	RL1A05 RL1A12



#### SPDT REED DIP

Can be driven directly by TTL, etc. Vmax 100VDC/AC peak Imax 1/4A switch 1/2A carry.

Type	SPDT
Vmax	100V
Amax	250mA
Size	20x7x7mm
Coil	5V 10mA 12V 12mA
Code	RL1C05 RL1C12



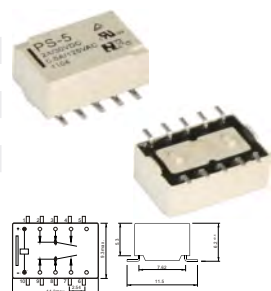
#### DPDT TELECOM PCB

Type	DPDT
Vmax	250Vac / 220Vdc
Amax	500mA / 1A
Size	14x9x5mm
Coil	5V 12V 24V
Code	RL-P-5 RL-P-12 RL-P-24



#### DPDT TELECOM SMD

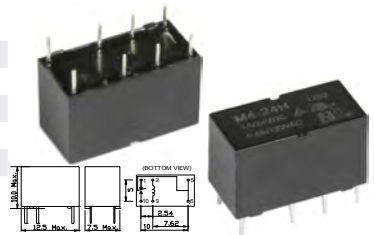
Type	DPDT
Vmax	125Vac / 30Vdc
Amax	500mA / 1A
Size	14x9x6mm
Coil	5V 12V 24V
Code	RL-PS-5 RL-PS-12 RL-PS-24



### GP Relays

#### DPDT M4 PCB

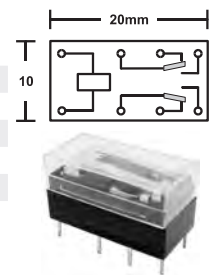
Type	DPDT
Vmax	120Vac / 24Vdc
Amax	0.5A / 1A
Size	10x20x16mm
Coil	5V 12V 24V
Code	M4-5H M4-12H M4-24H



#### DPDT MINIATURE PCB DIL

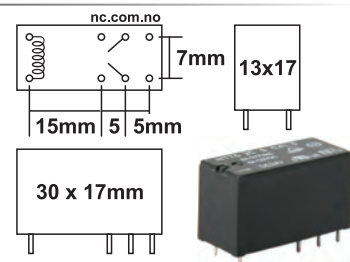
DIP Relays with Gold contacts.

Type	DPDT
Vmax	125Vac / 24Vdc
Amax	0.3A / 1A
Size	20x10x10mm
Coil	6V 60mA 9V 40mA 12V 30mA 24V 15mA
Code	G2VN-6 G2VN-9 G2VN-12 G2VN-24



#### DPDT PCB NT75-2C

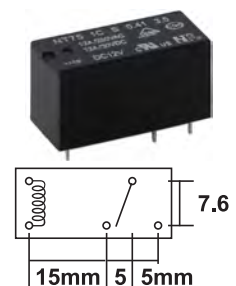
Type	DPDT
Vmax	277Vac/30Vdc
Amax	8A/12A
Size	29x16x13mm
Coil	12V 24V
Code	FTR212 FTR224



#### SPDT PCB NT75-1C

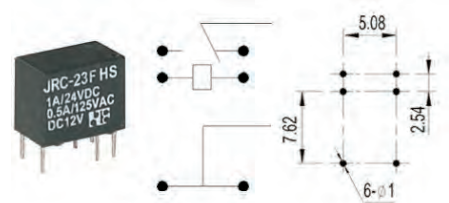
Sealed, low profile. Std DIN pinouts. 8A/12A 240VAC contacts.

Type	SPDT
Vmax	250Vac/30Vdc
Amax	8A
Size	29x16x13mm
Coil	12V 24V
Code	FTR112 FTR124



#### SPDT JRC-23F PCB

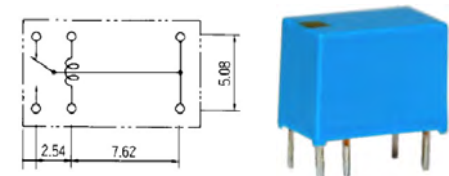
Coil	12Vdc 12mW
Type	SPDT
Vmax	125Vac/24Vdc
Amax	500mA/1A
Size	12.5x7.5x10
Code	JRC23F



#### SPDT TELECOM RELAY

As used in telephones etc.

Coil	5V 150mA
Type	SPDT
Vmax	120Vac / 30Vdc
Amax	0.5A / 1A
Size	13x8x10mm
Code	SY-5







## GP Relays

### SPDT NT73-2C PCB

6A SPDT PCB type. P/No. NT73-2C-S10

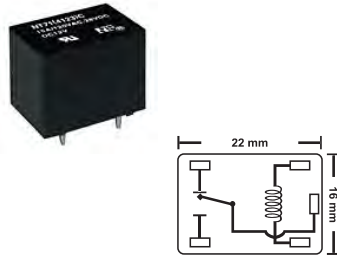
Type	SPDT
Vmax	250Vac/28Vdc
Amax	6A
Size	20x16x16mm
Coil	12V 24V
Code	NT73-2C-12 NT73-2C-24



### SPDT RELAY PCB

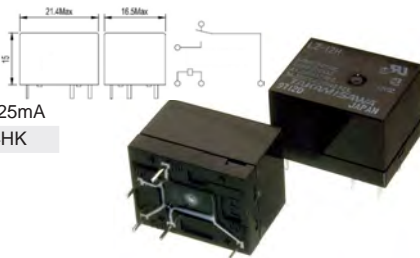
NT71-10S12

Coil	12V 40mA
Type	SPDT
Vmax	380Vac 110Vdc
Amax	6A / 15A
Size	23x17x17mm
Code	MR301-12



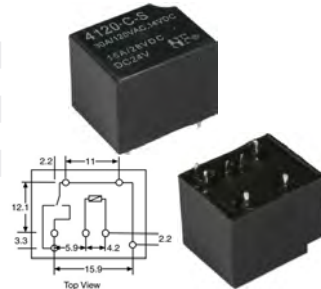
### SPDT PCB

Type	SPDT
Vmax	380Vac / 110Vdc
Amax	10A
Size	22x16x15mm
Coil	12V 25mA 24V 25mA
Code	LZ12HK LZ24HK



### SPDT 4120-CS PCB

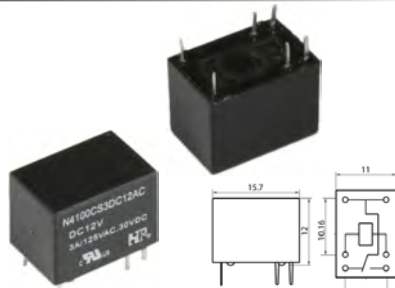
Type	SPDT
Vmax	380Vac / 75Vdc
Amax	30A (120Vac/14Vdc)
Size	25x20x20mm
Coil	12V 1.6W 24V 1.6W
Code	RL4120-CS12 RL4120-CS24



### SPDT N1400 PCB

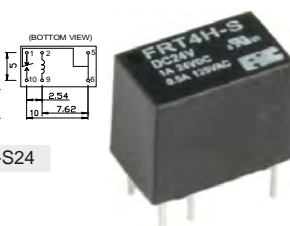
N4100S3DC

Type	SPDT
Vmax	220Vac / 60Vdc
Amax	3A
Size	16x10x11mm
Coil	12V
Code	RL4140 RL4142



### SPDT FRT4H PCB

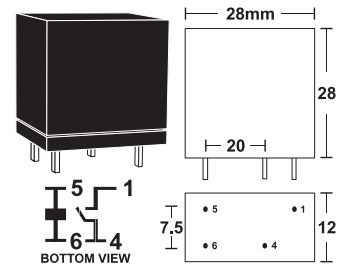
Type	SPDT
Vmax	125Vac / 60Vdc
Amax	500mA / 1A
Size	13x8x10mm
Coil	5V 12V 24V
Code	FRT4H-S5 FRT4H-S12 FRT4H-S24



### SPST JQX-14FC

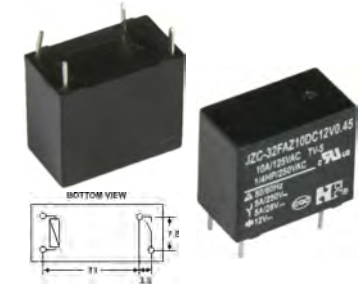
Compact PCB Mount  
10A 30Vdc/240Vac

Type	SPST
Vmax	240Vac/30Vdc
Amax	10A
Size	28x28x12mm
Coil	12V 45mA 48V 10mA
Code	JQX14F12 JQX14F48



### SPST JZC-32F

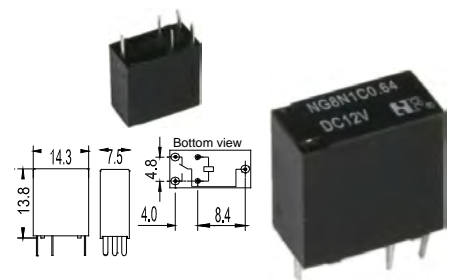
Type	SPST
Vmax	277Vac / 30Vdc
Amax	10A
Size	10x19x15mm
Coil	12V 24V 200mW 200mW
Code	RL4250 RL4252



### SPDT MINI AUTOMOTIVE PCB

NG8N1C0.64

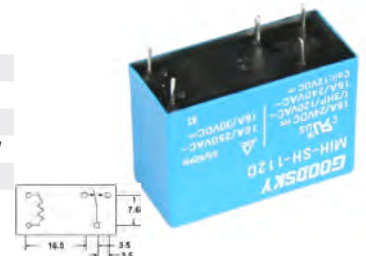
Type	SPST
Vmax	16Vdc
Amax	30Adc
Size	7.5x15x15mm
Coil	12V 640mW
Code	RL4333



### SPDT MIH-SH PCB

MIH-SH-112D

Type	SPST
Vmax	250Vac / 110Vdc
Amax	16A
Size	13x29x21mm
Coil	12V 720mW 24V 720mW
Code	RL4197 RL4199



### BASE MI-SS PCB

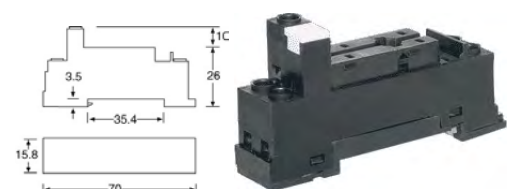
PCB Mount suits MI-SS Type SPDT Relay,

Type	MI-SS
Size	30x13x10mm
Code	RLB4182



### BASE MI-SS DIN

Type	DIN Rail
Size	16x70mm
Code	RLB4320

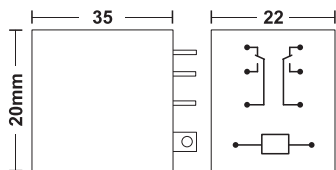




## GP Relays

### DPDT JQX-13F

Tag/PCB mount DPDT  
10A@28Vdc/277Vac  
Coil Power ~0.9-1.5W



Amax	10A
Size	20x35x22mm
Type	DPDT
Vmax	250Vac/30Vdc 277Vac/28Vdc
Tags	Tags 5mm Tags 5mm Tags 5mm PCB
Coil	240Vac 24Vdc 12Vdc 12Vdc
Code	JQX-13F240 JQX13F24 JQX13F12 JQX13F12W

### BASE JQX-13F PCB

Type	PCB
Size	20x22mm
Code	RLB4316



### BASE JQX-13F DIN

Type	DIN
Size	28x78mm
Code	13F-2C-D1



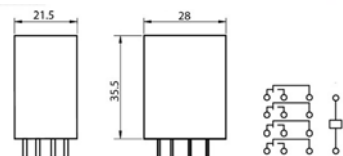
### 4PDT JZX-18FF PCB

Type	4PDT
Vmax	380Vac / 150Vdc
Amax	7A
Size	22x28x35mm
Coil	12VDC 1W 24VAC 1W
Code	JZX-18FF12 JZX-18FF24

JZX-18FF12



JZX-18FF24



### BASE JZX-18FF DIN

Type	DIN
Size	28x72mm
Code	18FF-4C-D2

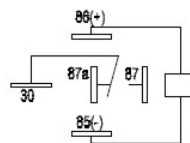


## Automotive

### SPDT AUTOMOTIVE 60A

9.5mm & 6.3mm Terminals  
NVF4-4C-Z60a

Coil	12V 1.8W
Type	SPDT
Vmax	75Vdc
Amax	60A
Size	29x29x27mm
Code	TW3460



### SPDT AUTOMOTIVE 30A

Common Relay 6.35mm Tags  
Panel mount Weather proof  
Automotive, etc. 12V 30A

Coil	12V 2W
Type	SPDT
Vmax	75Vdc
Amax	30A
Size	30x30x30mm
Code	TW3415



### CAR RELAY WITH INBUILT FUSE

Universal Auto Relay 4 Pin DC 12V 30A  
With built-in fuse socket and mounting tag  
Includes 1x 30A blade type automotive fuse

Code	TW4330
------	--------



### AUTOMOTIVE SOCKET

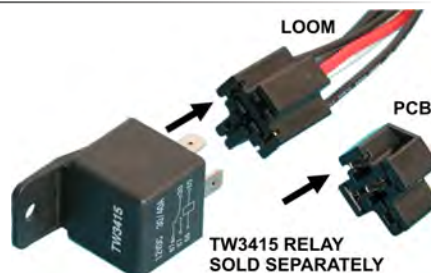
#### SOLDER TERMINALS

Code	TW3417
------	--------

#### WIRING HARNESS

30A Cable 80cm

Code	TW3416
------	--------



## Tilt Switch

### ROLLING BALL TILT SWITCH

Movement triggering  $\pm 30^\circ$   
10mA 24Vdc 7x4mm

Code	TS3073
------	--------







## Knobs

### KNOBS "CHICKEN HEAD"

Colour	Code
Red	KB010
White	KB050
Blue	KB100
Yellow	KB150
Ivory	KB200
Black	KB250
Dark Brown	KB300
Green	KB350
Mint	KB400
Maroon	KB450
Orange	KB500
Hot Pink	KB550
Purple	KB600
Silver	KB650
Light Brown	KB700

As used on Fender Amps, etc. 1/4" 6.35mm Half-Moon Grub screw



### KNOBS BLACK

#### MATCHING EQUIPMENT STYLE

6.35mm shaft, Grub screw fixing, Same style, different sizes.

Size	Code
19x16mmØ	KB7760
16x20mmØ	KB7762
20x24mmØ	KB7764
19x35mmØ	KB7766



### PUSH ON - METRIC

Suit 9mm mini potentiometer

Base	Top	Height	Code
15mmØ	11mmØ	14mm	KB7770



### KNOBS COLOUR

#### PUSH ON STYLE

6.35mm shaft, 18x20mmØ

Colour	Code
RED	KB7705
YELLOW	KB7713
BLACK	KB7707
WHITE	KB7715
BLUE	KB7709
GREY	KB7717



### KNOB SKIRT

#### SKIRT WITH NUMBER 1-10

6.35mm shaft, Grub screw fixing 23.5x36mmØ

Code
KB7549



### KNOB BRUSHED ALUMINIUM

#### BRUSHED ALUMINIUM

High quality brushed aluminium finish. 6.35mm shaft, 14x22mmØ

Code
KB7022



### KNOB CLASSIC

#### BLACK PLASTIC ALUMINIUM INSERT

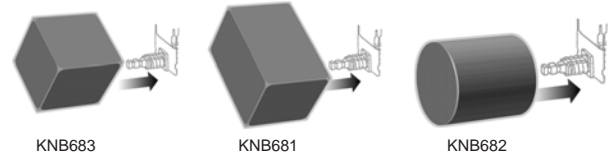
6.35mm shaft, 15x27mmØ

Code
KB7740



### KNOBS BUTTON

Size	Shaft	Code
5mmØ	2.5mmØ	CP1481
7.8mmØ	2.9mmØ	CP1403
9.5mmØ	2.9mmØ	CP1399
13mmØ Collar	2.9mmØ	NT1300
10x10mmØ	2.8mm²	KNB683
10x10x10mm	2.8mm²	KNB681
15x10x10mm	2.8mm²	KNB682
10.7mmØ	3.8mm²	CP1138



## Switches Automotive Special

### IGNITION BUTTON

#### N/C & N/O MOMENTARY

Push Start Ignition Switch for Racing Sport with LED indicator. N/O, N/C and indicator light all three separate coloured (Blue, Purple & Black) connection points. Widely used for vehicle DIY. 12VDC 20A.

Size: 85 x 33 x 30mm. 12VDC 20A. Size: 85 x 33 x 30mm.

Colour	Code
Blue	SW402BU
Red	SW402RD

28mmØ



### CUT-OFF SWITCH 100A

Extra Heavy Duty battery Cut Out Switch with removable key so you can take it with you to prevent unauthorized use, safety, etc.

#### 12V/24V 100A

Large 110mm tall, 60mm Diam. Removable key power switch.

Code
SW401



### CUT-OFF SWITCH 400A

Extra Heavy Duty battery Cut Out Switch with removable key so you can take it with you to prevent unauthorized use, safety, etc.

#### 60V EXTRA HEAVY DUTY

123x118x66mm

Code
SW400

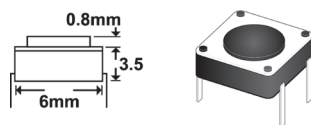




## □ Tact Switch

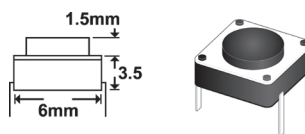
### TACT SWITCH 0.8mm

Code  
SW172



### TACT SWITCH 1.5mm

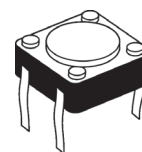
Code  
SW173



### TACT SWITCH OEM

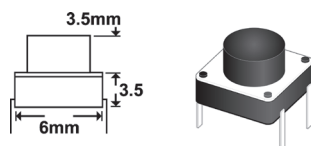
Samsung Akai etc.  
Base 3.5x6mm  
Knob height  
Choice:

Knob	Code
0.5mm	SW250
1.5mm	SW9367



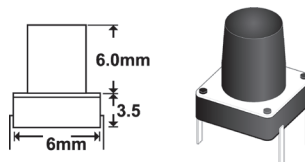
### TACT SWITCH 3.5mm

Code  
SW174



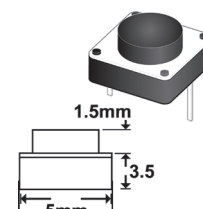
### TACT SWITCH 6mm

Code  
SW175



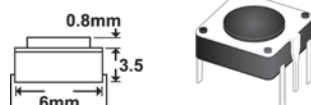
### TACT SWITCH 1.5mm MID-PINS

Code  
SW79



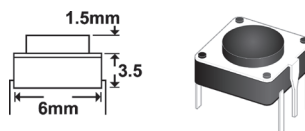
### TACT SWITCH 0.8mm

Code  
SW176  
Ground pin



### TACT SWITCH 1.5mm

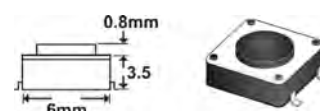
Code  
SW177  
Ground pin



### TACT SWITCH PCB

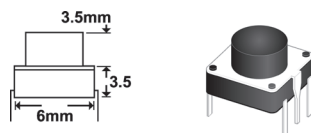
Above mount  
0.8mm Button

Code  
SW1112



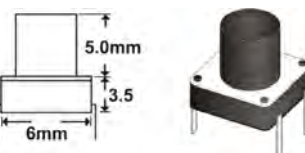
### TACT SWITCH 3.5mm

Code  
SW178  
Ground pin



### TACT SWITCH 5.0mm

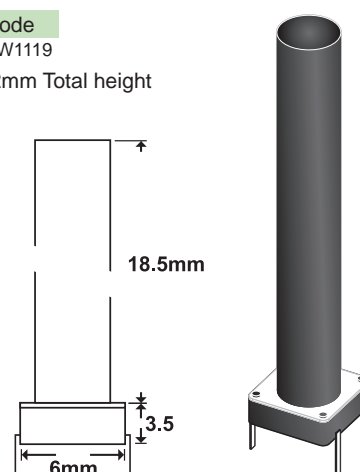
Code  
SW1124



### TACT SWITCH 18.5mm

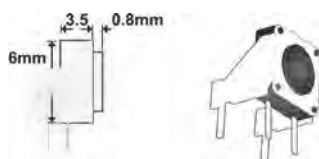
Code  
SW1119

22mm Total height



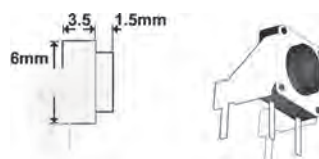
### TACT SWITCH 0.8mm

Code  
SW180



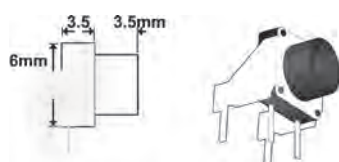
### TACT SWITCH 1.5mm

Code  
SW181



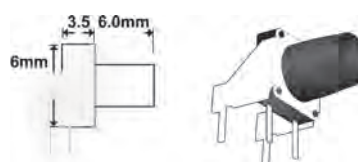
### TACT SWITCH 3.5mm

Code  
SW182



### TACT SWITCH 6mm

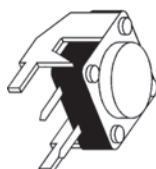
Code  
SW183



### TACT SWITCH R/A

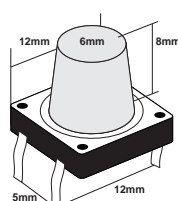
RIGHT ANGLE 1.5mm

Code  
SW95



### TACT SWITCH 8mm

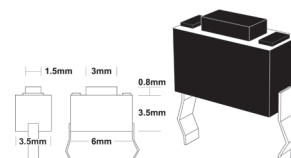
Code  
SW80



### TACT SWITCH 0.8mm

Suit car radios  
and home audio.

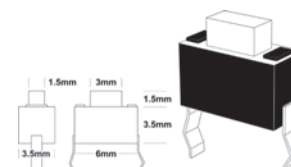
Code  
SW520



### TACT SWITCH 1.5mm

Suit Philips and Sony audio.

Code  
SW511





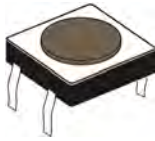


## Tact Switch

### TACT SWITCH 0.8mm

Large 12mm base  
50mA 12V

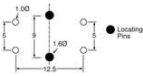
Code  
SW1125



### TACT SWITCH 0.8mm

Large 12mm base  
With locating pegs  
50mA 12V

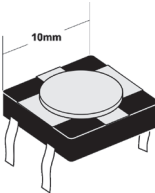
Code  
SW1126



### TACT SWITCH RUBBER TYPE

4x10x10mm  
Soft Rubber.  
Keyboards

Code  
SW260



### TACT SWITCH LARGE

3.8mm square cap  
12mm square base  
Button Available

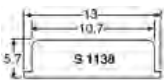
Code  
SW1135



### TACT SWITCH CAP

Suits SW1135

Code  
CP1138



### LEVER SWITCH 7x4mm

Sony 1-762-621-21

Code  
SW2121



### TACT SWITCH 10mm

Momentary  
Single pole  
Sony TV etc.

Type Code  
2 Pin SW155

10x10mm



## Micro Switch

### MICRO-SWITCH

Single Pole Double Throw  
Power 240Vac 16A

Power	Tags	Code
16A	4.8mm	MS107
16A	6.3mm	MS106

28x16x10mm



### MICRO-SWITCH WITH LEVER

Single Pole Double Throw  
Power 240Vac 25mm Lever

Power	Tags	Code
10A	4.8mm	MS199
15A	4.8mm	SW5112
15A	6.3mm	SW1600
16A	6.3mm	MS202

28x16x10mm



### LIGHT PRESSURE

Single Pole Single Throw  
Power 240Vac 16A

Tags	Code
4.8mm	MS298
6.3mm	MS301

28x16x10mm



### LIGHT PRESSURE WITH LEVER

Single Pole - Double Throw  
Power 240Vac 15A

Tags	Code
4.8mm	SW5112

28x16x10mm  
25mm Lever



### ROLLER-LEVER 14mm

Roller wheel mechanical triggering  
14mm lever short length 10A 250Vac

Tags	Code
4.8mm	SWM424

28x16x10mm



### ROLLER-LEVER 28mm

Roller wheel mechanical triggering  
28mm lever 3A 250V 6A 110V

Tags	Code
4.8mm	SWM425

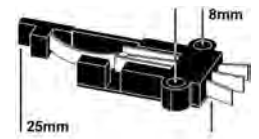
28x16x10mm



### MICRO SWITCH SPDT

Momentary Double throw

Code  
SWM300

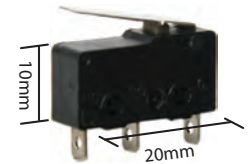


### MICRO-SWITCH 20mm

EXTRA-SMALL  
Single Pole Double Throw  
4mm Contacts

Power	Code
5A/250Vac	SWM400
Lever	15mm

20x10x6.5mm



## Push Switch

### PIN SWITCH

Push to break. Bullet.  
7.5mm mounting hole.  
Heavy Duty Type.

Code  
SW5145



### PIN SWITCH

Push to break. Bullet.  
7.5mm mounting hole.  
Adjustable height.

Code  
SW5144



### TAMPER SWITCH NC

NC Normally Closed  
(Push to open.) 20mm

Hole	20mmØ
Type	NC
Code	SWP800



### TAMPER SWITCH NO

NO Normally Open  
(Push to close) 20mm

Hole	20mmØ
Type	NO
Code	SWP801





## Push Switch

### DPDT PUSH SWITCH

Push-ON / Push-OFF  
3A 125VAC 6mm  
Panel mount. DPDT

Hole	6mmØ	6mmØ
Power	3A 125Vac	3A 125Vac
Type	DPDT	DPDT
Colour	Red	Black
Code	MS197RD	MS197BK



### DPDT MOMENTARY

3A 125VAC 6mm  
Panel mount.  
DPDT

Hole	6mmØ	
Power	3A 125Vac	
Type	DPDT	
Colour	Red	Black
Code	MS300R	MS300B



### SPDT MOMENTARY PCB V

SPDT PCB Mount  
2.5mm Shaft

Hole	4.5mmØ
Power	1A 120Vac
Type	SPDT
Code	SW1493



### SPDT MOMENTARY PCB H

SPDT PCB Mount  
2.5mm Shaft

Hole	4.5mmØ
Power	1A 120Vac
Type	SPDT
Code	SW1495



### SPDT MOMENTARY PCB RA

90° Mount  
20mA 20V  
2.5mm Shaft

Hole	4.5mmØ
Power	1A 120Vac
Type	SPDT
Code	SW1498



### PUSH BUTTON KNOBS

Round Shaft  
Replacement  
Knobs



Shaft	2.5mmØ	2.9mmØ	2.9mmØ
Size	5mmØ	7.8mmØ	9.5mmØ
Code	CP1481	CP1403	CP1399

### SPDT MOMENTARY TAG

Momentary w/ black knob  
2.9mm Shaft  
Tactile Click Action

Hole	6mmØ
Power	0.5A 250Vac
Type	SPDT
Code	SW1391



### SPDT MOMENTARY PCB

Momentary w/ black knob  
2.9mm Shaft

Hole	6mmØ
Power	0.5A 250Vac
Type	SPDT
Code	SW1393



### SPDT MOMENTARY PCB R/A

Momentary w/ black knob  
2.9mm Shaft

Hole	6mmØ
Power	0.5A 250Vac
Type	SPDT
Code	SW1395



### SPDT MOMENTARY PCB R/A

Miniature. With knob.  
0.5A 250Vac/28Vdc  
2.9mm Shaft

Hole	6mmØ
Power	0.5A 250Vac
Type	SPDT
Code	SW1398



### DPDT MOMENTARY TAG

Miniature. With knob.  
0.5A 250Vac/28Vdc  
2.9mm Shaft

Hole	6mmØ
Power	0.5A 250Vac
Type	DPDT
Code	SW1392



### DRESS NUT & BUTTON

Suit 139X Push Switch  
7.8mmØ Knob  
12.7mmØ Collar

Hole	6mm
Shaft	2.9mmØ
Code	NT1300



### SPST MOMENTARY

1.5A 250V

Hole	13mmØ
Power	1.5A 250Vac
Type	SPST
Code	SW1084



### DPDT ILLUMINATED METAL

DPDT Push-On/Push-Off  
With 2 pin Blue LED

Illuminated	12V Blue
Hole	16mm
Power	3A 220Vac
Type	DPDT
Code	SW0937



### DPDT ILLUMINATED METAL

DPDT Push-On/Push-Off  
With 2 pin Red LED

Illuminated	12Vdc Red
Hole	16mmØ
Power	3A 220Vac
Type	DPDT
Code	SW0934



### SPST MOMENTARY METAL

SPST Vandal Resistant

Hole	20mmØ
Power	5A 250Vac
Type	NO
Code	SW0950



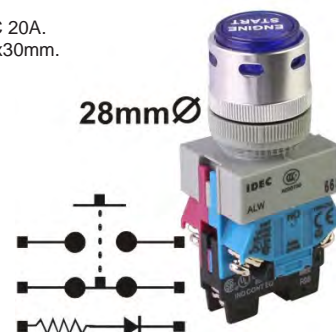
### START BUTTON

N/C & N/O MOMENTARY

Type	NO/NC
Power	20A 12Vdc
Hole	24mmØ
Illuminated	12V LED
Colour	Blue Red
Code	SW402BU SW402RD

12VDC 20A.  
85x33x30mm.

28mmØ







## Push Switch

### FOOT SWITCH SPST

#### SPST CARLING

Hole	12mmØ
Power	3A 125Vac
Type	SPST
Code	SWT110P



### SPST MOMENTARY

#### Momentary - Illuminated

Illuminated	LED Red
Hole	16mmØ
Power	0.5A 250Vac
Type	NO
Code	SW1086



### SPST PUSH BUTTON

#### NORMALLY CLOSED

Power	Code
0.3A 125Vac	SWM202



#### NORMALLY OPEN

Power	Code
0.3A 125Vac	SWM201

### FOOT SWITCH DPDT

#### DPDT CARLING

Hole	12mmØ
Power	3A 125Vac
Type	DPDT
Code	SWP316



### SPST ILLUMINATED

#### Push On / Push Off

Illuminated	LED Red
Hole	16mmØ
Power	1.5A 250Vac
Type	SPST
Code	SW1087



### SPST PUSH BUTTON

#### MOMENTARY 12mmØ NORMALLY OPEN

Power	Code
3A 250Vac	SWM203



#### PUSH ON PUSH OFF

Power	Code
3A 250Vac	SWP305

### FOOT SWITCH TOGGLE

Heavy Duty Stomp 6A  
250V DPDT Kick On  
Kick Off Hole 12mm

Hole	12mmØ
Power	6A 250Vac
Type	DPDT
Code	SWP328



### SPST ILLUMINATED

#### Push On / Push Off

Hole	16mmØ
Power	1.5A 250Vac
Type	NO
Code	SW1088



### SPST PUSH BUTTON

#### MOMENTARY 12mmØ NORMALLY OPEN

Power	Code
3A 250Vac	SWM205



#### PUSH ON PUSH OFF

Power	Code
3A 250Vac	SWP308

### FOOT SWITCH TOGGLE

Push On / Push Off  
DPDT 4A 250Vac

Hole	12mmØ
Power	4A 125Vac
Type	DPDT
Code	SW1150



### SPST ILLUMINATED

#### Push On / Push Off

Illuminated	LED Green
Hole	16mmØ
Power	1.5A 250Vac
Type	SPST
Code	SW1089



## Key Lock

### KEY LOCK SP3T

3 Position 24VDC 4A  
240VAC 2A  
19mm Hole

Code
AKS8071



### FOOT SWITCH MOMENTARY

DPDT Momentary  
4A 250Vac

Hole	DPDT
Power	4A 250Vac
Type	DPDT
Code	SW1152



### SPST ILLUMINATED

#### Push On / Push Off

Illuminated	LED Red
Hole	9mmØ
Power	0.5A 250Vac
Type	SPST
Code	SW1064



### CABINET SIDE LOCK

Side door locks for wall mountable  
and free standing data cabinets.  
Hole diameter 19mmØ

Arm	Depth	Code
33mm	12mm	AKL101
30mm	20mm	LOCK19
43mm	20mm	LOCK20
46mm	15mm	LOCK21



### FOOT SWITCH TOGGLE 3PDT

LATCHED 3 Pole - 2 Throw  
Suit Guitar Peddles, etc.  
Fender, etc. Hole 12mm

Hole	12mm
Power	4A 125Vac
Type	3PDT
Code	SW3PDT



### SPST MOMENTARY

#### Momentary SPST

Illuminated	LED Red
Hole	9mmØ
Power	0.5A 250Vac
Type	NO
Code	SW1063



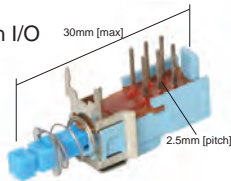


## Push Power

### MINI PUSH DC

2A 12VDC PCB Mount  
Double Pole Double  
Throw Miniature Push I/O

Code  
SWP150



### 20MM THREADED

AT-PC Computer

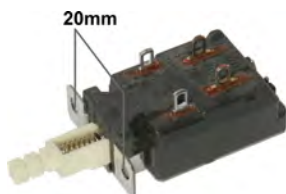
Code  
SWP670



### 20MM TV POWER TAGS

4A 250V SPST  
MHD 20mm

Code  
DS685



### 20MM TV POWER PCB

4A 250V SPST  
PCB mount.  
Suit Sony etc.  
MHD 20mm

Code  
DS686



### 19MM THREADED

DPST with Tags & Remote reset.  
MHD 19mm Threaded.

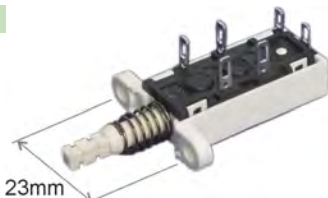
Code  
SWP640



### 23MM UNIVERSAL

DPST with momentary (reset)

Code  
SWP641



### SQUARE SHAFT KNOB ROUND

Size Code  
10x10mmØ KNB683



### 20MM DPST

4A 250VAC

Code  
SWP952

W/ Remote  
4A 250VAC

Code  
SWP953



### 20MM UNIVERSAL

10A 250V SPDT.

Code  
DS680



### 20MM THREADED

PCB & TAGS (Sony/Sharp)

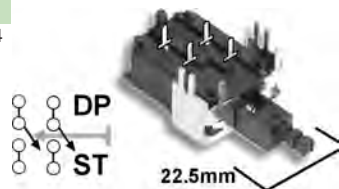
Code  
SWP625



### 22.5MM DPST PCB

4822-276-14024

Code  
SWP4024



### DPST PCB SUIT LG

PCB Mount DPST

Code  
SWP4026



### SPST PCB SUIT LG

LG, etc. SPST PCB 5A  
12VDC 6600VM1001A

Code  
SW1001



### SQUARE SHAFT KNOB SQUARE

Size Code  
10x10x10mm KNB681



### 20MM DPST

MHD 20mm

Code  
SWP655

With remote.  
MHD 20mm

Code  
SWP515



### 20MM DPST

Large bracket type.

Code  
SWP656

With remote.  
26mm bracket.

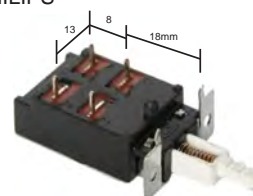
Code  
SWP516



### 20MM DPST PCB

482227613816 PHILIPS

Code  
SWP3816



### PCB UNIVERSAL SUIT AKAI

Standard Profile  
As below but 11mm

Code  
SWP394



### PCB UNIVERSAL SUIT AKAI

With height extension 17mm.

Code  
SWP393



### PCB UNIVERSAL SUIT GRUNDIG

With remote function.

Code  
SWP514



### SQUARE SHAFT KNOB WIDE

Size Code  
15x10x10mm KNB682







## □ Push Power

### 23MM BRACKET

Code  
SWP618



### 18MM PLASTIC BRACKET

Code  
SWP580



### BRACKET PCB

Code  
SWP582



### PCB MOUNT

Code  
SWP581



### NO BRACKET

Code  
SWP575



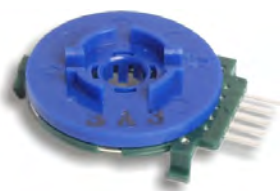
### 18MM PLASTIC BRACKET

Code  
SWP650



### VCR MODE SWITCH

See Section 11: SERVICE & REPAIR



### PCB MOUNT

Code  
SWP583



### PCB MOUNT

Code  
SWP532



### 23MM BRACKET

Code  
SWP589



### 18MM BRACKET

With remote.

Code  
SWP528



### 18MM BRACKET

Code  
SWP658



### COMPUTER - MOMENTARY

MAINBOARD  
CONNECTOR

Code  
SWP680



### MAINS POWER SWITCH

See POWER Section

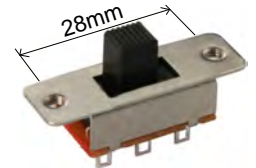


## □ Slide Switch

### DPDT SLIDE SWITCH

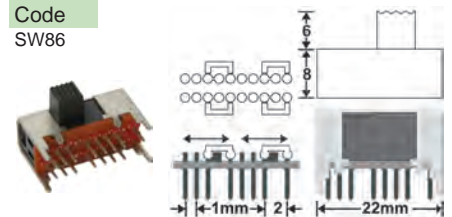
28mm MOUNTING

Code  
SW30



### 4P3T SLIDE SWITCH

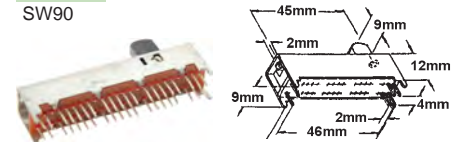
Code  
SW86



### 8P4T SLIDE SWITCH

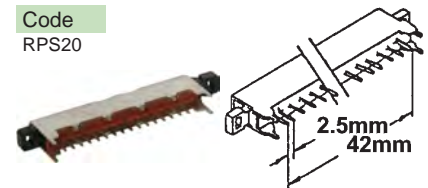
8 Pole 4 Position 40 Pin

Code  
SW90



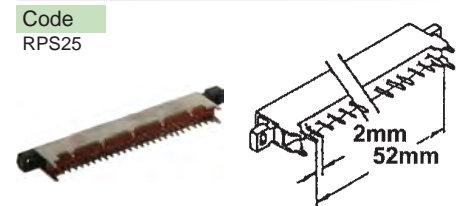
### 18 PIN REC/PLAY

Code  
RPS20



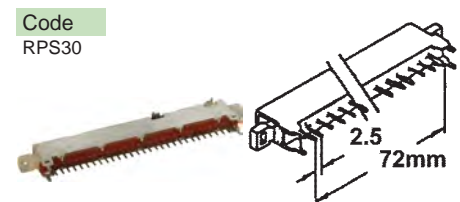
### 27 PIN REC/PLAY

Code  
RPS25



### 30 PIN REC/PLAY

Code  
RPS30



### DOOR CATCHER SMALL

Push close, Push open

Code  
DL1902





## Toggle Switch

### MINIATURE PCB

Extra small toggle Vertical mount

Hole	4.5mm
Power	1.5A 250Vac
Shaft	10mm
Type	SPDT
Code	SW1415



### MINIATURE PCB

Extra small toggle Right Angle Mount

Hole	4.5mm
Power	1.5A 250Vac
Shaft	10mm
Type	SPDT
Code	SW1421



### MINIATURE PCB

Extra small toggle Horizontal Mount

Hole	4.5mm
Power	1.5A 250Vac
Shaft	10mm
Type	SPDT
Code	SW1425



### SPDT TAG SUB-MINI

1.5A 250V SPDT

Power	3A 125Vac
Type	SPST
Shaft	10mm
Hole	4.8mm
Code	SWT102



### DPDT TAG SUB-MINI

1.5A 250V DPDT

Hole	4.8mm
Power	3A 125Vac
Shaft	10mm
Type	DPDT
Code	SWT106



### SPDT TAG

3A 250V SPDT

Hole	5.8mm
Power	3A 250Vac
Shaft	12mm
Type	SPDT
Code	SWT112



### SPDT CENTRE-OFF TAG

Centre off 3A 250V SPDT

Hole	5.8mm
Power	3A 250Vac
Shaft	12mm
Type	SPDT (C)
Code	SWT113



### SPDT PCB

2A 250Vac/28Vdc

Hole	6mm
Power	3A 250Vac
Shaft	12mm
Type	SPDT
Code	SW1315



### SPDT MOMENTARY PCB

SPDT Momentary

Hole	6mm
Power	3A 250Vac
Shaft	12mm
Type	DPDT (MOM)
Code	SW1316



### SPDT CENTRE-OFF PCB

2A 250Vac/28Vdc SPDT

Hole	6mm
Power	3A 250Vac
Shaft	12mm
Type	SPDT (C)
Code	SW1332



### SPDT C-OFF MOMENTARY PCB

2A 250Vac/28Vdc

Hole	6mm
Power	3A 250Vac
Shaft	12mm
Type	SPDT (MC)
Code	SW1333



### SPDT C-OFF MOMENTARY TAG

Centre Off  
Momentary Up, Toggle Down

Hole	6mm
Power	3A 250Vac
Shaft	12mm
Type	SPDT (TCM)
Code	SW1340



### DPDT CENTRE-OFF TAG

Toggle Switch

Hole	6mm
Power	3A 250Vac
Shaft	10mm
Type	DPDT
Code	SW1365



### DPDT PCB

Toggle Switch

Hole	6mm
Power	3A 250Vac
Shaft	10mm
Type	DPDT
Code	SW1350



### DPDT TAG

3A 250V DPDT

Hole	5.8mm
Power	3A 250Vac
Shaft	12mm
Type	DPDT
Code	SWT117



### DPDT CENTRE-OFF TAG

Centre off 3A 250V DPDT

Hole	5.8mm
Power	3A 250Vac
Shaft	12mm
Type	DPDT (C)
Code	SWT118



### DPDT CENTRE-OFF PCB

Snap fit 20x13mm 3A-250V

Hole	5.8mm
Power	3A 250Vac
Shaft	12mm
Type	DPDT (C)
Code	SWT118P



### DPDT BIG SHAFT TAG

Oversized Knob

Hole	12mm
Power	3A 250Vac
Shaft	13mm
Type	DPDT
Code	SW1346



### DPDT PADDLE TAG

Snap Fit

Hole	12x15mm
Power	3A 250Vac
Shaft	Paddle
Type	DPDT
Code	SW1250



### SWITCH COVER

6mm thread only  
Waterproof IP67

Hole	6mm
Shaft	10mm
Type	IP67
Code	CVR1302



### DRESS NUT

Hole	6mm
Code	NT1301







## Toggle Switch

### SPST CLASSIC

1.5A 250V SPST

Hole	12mm
Power	2A 250Vac
Shaft	12mm
Type	SPST
Code	SWT121



### DPST CLASSIC

Separate Poles

Hole	12mm
Power	2A 250Vac
Shaft	12mm
Type	DPST
Code	SWT123



### SPST CARLING

SPST CARLING

Hole	12mm
Power	3A 250Vac
Shaft	15mm
Type	SPST
Code	SWT110



### DPST CLASSIC

1.5A 250V DPDT

Hole	12mm
Power	6A 125Vac
Shaft	12mm
Type	DPDT
Code	SWT125



### DPST CENTRE-OFF SCREW

Centre off 3A 250V DPDT

Hole	12mm
Power	8A 250Vac
Shaft	17mm
Type	DPDT
Code	SWT127



### SWITCH COVER CLASSIC

Suit "Classic" Type (Metric threaded 12mm)  
Up to 17mm shaft. 12mm hole. IP67

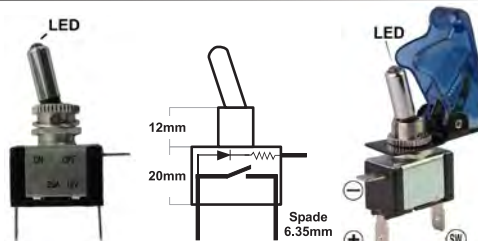
Hole	12mm
Shaft	17mm
Type	Classic
Code	CVR1034



### ILLUMINATED

SPST 12V 20A 60x30x16mm

Colour	Blue	Red	Green
Hole	12mmØ	12mmØ	12mmØ
Power	12V 20A	12V 20A	12V 20A
Shaft	20mm	20mm	20mm
Type	SPST	SPST	SPST
Code	SW403BU	SW403RD	SW403GN



### DPDT PADDLE

6A 250V DPDT

Hole	12mm
Power	6A 250Vac
Shaft	25mm
Type	DPDT
Code	SWT132



### DPDT CENTRE-OFF

6A 250V DPDT

Hole	12mm
Power	6A 250Vac
Shaft	25mm
Type	DPDT (C)
Code	SWT134



### DPDT MOMENTARY

Centre-Off Momentary On

Hole	12mm
Power	10A 250Vac
Shaft	17mm
Type	DPDT (MC)
Code	SW1053



### DPDT HEAVY DUTY

6.35mm Spade Connectors

Hole	12mm
Power	10A 250Vac
Shaft	16mm
Type	DPDT
Code	SW1052



### MISSILE COVER

Suit 13mm+ shaft toggle  
12mm hole. Snap open.

Hole	12mm
Shaft	17mm
Type	Red
Code	SW1036



### SWITCH COVER HD

Suit Heavy Duty (Imperial threaded 12mm)  
IP67 Up to 17mm shaft (SW1052 & SW1053)

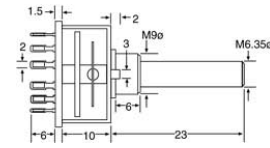
Hole	12mm
Shaft	17mm
Type	HD
Code	CVR1035



## Rotate Switch

### SOLDER TAGS

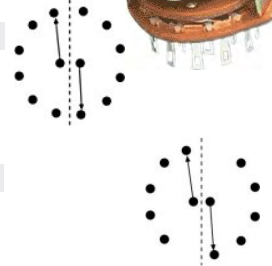
1/4" (6.35mm) Metal Shaft 22mm  
8.8mm Hole. Break to make.



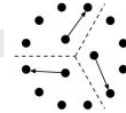
Type	2P 6T
Code	SWR2206



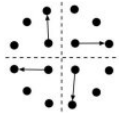
Type	2P 5T
Code	SWR2205



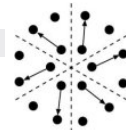
Type	3P 4T
Code	SWR2304



Type	4P 3T
Code	SWR2403



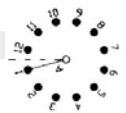
Type	6P 2T
Code	SWR2602



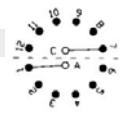
### PCB MOUNT

1/4" (6.35mm) Half moon 30mm  
9.2mm Hole. Break to make.

Type	1P 12T
Code	SWR1112



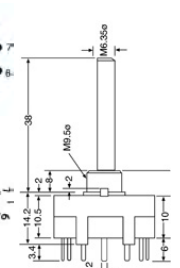
Type	2P 6T
Code	SWR1206



Type	3P 4T
Code	SWR1304



Type	4P 3T
Code	SWR1403



### POT & SWITCH

Potentiometer with  
pull out two pole  
AC rated switch.

Type	Value	Code
Linear	5K	VRS105
Log	20K	VRS120
Linear	50K	VRS150
Log	100K	VRS100





## □ Rocker Switch

### DPDT ROCKER SWITCH

Power 3A 250Vac  
Type DPDT  
Hole 12mmØ  
Code SW3180



### SPST ROCKER SWITCH

Power 10A 250Vac  
Type SPST  
Hole 28x14mm  
Code SW3225



### SPST ILLUMINATED

Illuminated 12V LED Red  
Power 30A 12Vdc  
Type SPST  
Hole 12mmØ  
Code SW3248



### SPDT ROCKER SWITCH

Type SPDT SPST  
Power 6A 240Vac  
Hole 20x13mm  
Code SW215 SW210



### SPST ROCKER SWITCH

Illuminated Neon 250Vac  
Power 10A 250Vac  
Type SPST  
Hole 22x12mm  
Code SW3229



### SPST IP65

Illuminated 12Vdc Red  
Power 6A 250Vac  
Type SPST  
Hole 20mmØ  
Code SW3185



### DPST ROCKER SWITCH

Power 4A 250Vac  
Type DPST  
Hole 20x13mm  
Code SW200



### SPST ILLUMINATED

Illuminated 250Vac Neon  
Power 10A 250Vac  
Type SPST  
Hole 28x14mm  
Code SW3228



### SPST ROUND

Power 6A 250Vac  
Type SPST  
Hole 20mmØ  
Code SW3188



### DPST ILLUMINATED

Illuminated 250Vac Green  
Power 4A 250Vac  
Type DPST  
Hole 20x13mm  
Code SW205



### DPDT ROCKER

Power 10A 250Vac  
Type DPDT  
Hole 30x22mm  
Code SW220



### SPST SQUARE

Power 6A 250Vac  
Type SPST  
Hole 20mmØ  
Code SW3191



### DPST ROCKER

Power 5A 250Vac  
Type DPST  
Hole 20x22mm  
Code SW202



### DPDT ILLUMINATED

Illuminated 250Vac Red  
Power 10A 250Vac  
Type DPDT  
Hole 30x22mm  
Code SW225



### SPST SQUARE

Illuminated LED Red  
Power 6A 250Vac  
Type SPST  
Hole 20mmØ  
Code SW3190



### COMPUTER POWER

PC XT AT  
Toggle Switch

Power 10A 250Vac  
Type DPST  
Hole 25x25mm  
Code SW203



### OVERLOAD PROTECTED

Switch kicks Off when current exceeded.  
Simply switch back on.  
Thermal Slow-Blow.

Amps	Code
3A	PMB3
5A	PMB5
8A	PMB8
10A	PMB10
15A	PMB15



### SPDT ROCKER SWITCH

ON/OFF/ON TYPE

Type SPDT  
Power 16A 250Vac  
Hole 27x11mm  
Code SW435



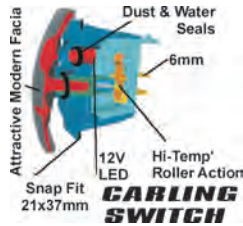




## □ Carling Automotive

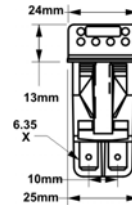
### CARLING-SWITCH

Premium Quality  
Black Plastic  
Tactile feel Large  
Format 21x36mm  
Hole 6.3mm Tags  
12Vdc 20Amp  
24Vdc 15Amp



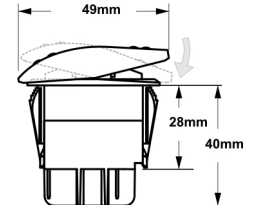
### HIGH-CURRENT

20A Long Life  
150,000 Cycles  
-40°/+85° temp  
Fully sealed  
Weather resistant  
"No lubricant"  
Separate roller  
Actuator arm



### ULTRA-RELIABLE

Control Panels  
Automotive dash  
Modern styled  
Tactile feel positive  
snap action motion  
Quality materials  
Carling switch



### NON-ILLUMINATED

#### SPST TOGGLE

No Lamp 12Vdc  
20A 24Vdc 15A  
Toggle On/Off x1

Type ON/OFF  
Code SW-V1BA



### NON-ILLUMINATED

#### MOMENTARY ON

No Lamp 12Vdc 20A  
24Vdc 15A  
Push M-On/Off x1

Type ON/OFF  
Code SW-V2BA

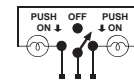


### RED-BARS

#### SPDT TOGGLE

Centre Off 12Vdc  
Lamps Dual Indicator  
Toggle On/Off/On x1

Type ON/OFF/ON  
Code SW-V6DAD



### NON-ILLUMINATED

#### DPST TOGGLE

No Lamp 12Vdc  
20A 24Vdc 15A  
Toggle On/Off x2

Type ON/OFF  
Code SW-VABA



### NON-ILLUMINATED

#### MOMENTARY ON

Centre Off 12Vdc  
20A 24Vdc 15A  
M-On/Off/M-On x1

Type ON/OFF/ON  
Code SW-V8BA



### RED-SQUARE

12Vdc Lamp Single  
Lamp Bright On  
Toggle On/Off x1

Type ON/OFF  
Code SW-V1DAB2



### NON-ILLUMINATED

#### SPDT TOGGLE

No Lamp 12Vdc  
20A 24Vdc 15A  
Toggle On/On x1

Type ON/ON  
Code SW-V4BA



### NON-ILLUMINATED

#### MOMENTARY ON

Centre Off 12Vdc  
20A 24Vdc 15A  
M-On/Off/M-On x2

Type ON/OFF/ON  
Code SW-VLBA



### GREEN-SQUARE

#### DPST TOGGLE

Opaque white off  
12Vdc Green LED  
Toggle On/Off x1

Type ON/OFF  
Code SW-VAD1



### NON-ILLUMINATED

#### SPDT TOGGLE

Centre OFF 12Vdc  
20A 24Vdc 15A  
Toggle On/Off/On

Type ON/OFF/ON  
Code SW-V6BA



### RED-BAR

#### SPST TOGGLE

12Vdc Lamp  
Single Bar Indicator  
Toggle On/Off x1

Type ON/OFF  
Code SW-V1DAB1



### GREEN-SQUARE

#### DPDT TOGGLE

Opaque white off  
12Vdc Green LED  
Toggle On/Off/On x2

Type ON/OFF/ON  
Code SW-VJD1



### NON-ILLUMINATED

#### DPDT TOGGLE

Centre OFF 12Vdc  
20A 24Vdc 15A  
Toggle On/Off/On

Type ON/OFF/ON  
Code SW-VJBA



### RED-BAR

#### DPST TOGGLE

12Vdc Lamp Single  
Bar Indicator  
Toggle On/Off x2

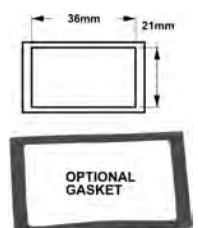
Type ON/OFF  
Code SW-VADAB



### GASKET

Rubber foam  
Weather resistant  
Panel Seal  
21x36mm I/D +  
Surround

Code SW-GASKET

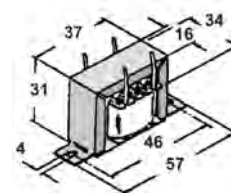




## □ Power Transformers

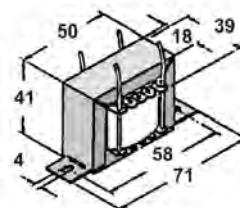
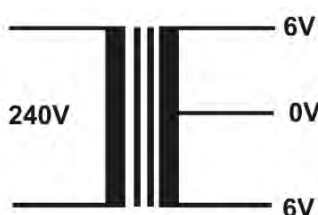
### 6V 250mA AC POWER TRANSFORMER

Volts	Current	Code
6 VOLTS	250mA	PT6-250



### 12V 500mA AC POWER TRANSFORMER

Volts	Current	Code
6V-0V-6V	500mA	PT12-500

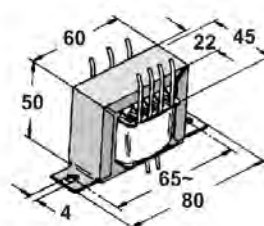
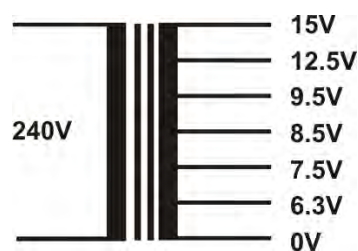


### 15W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

6.3/7.5/8.5/9.5/12.6/15V

Volts	Current	Code
6.3V-7.5V-8.5V-9.5V-12.5V-15V	1 AMP	PT2155

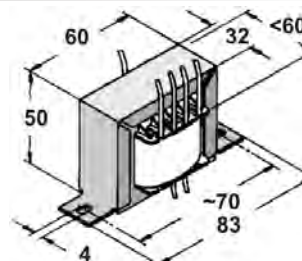


### 30W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

6/9/12/15

Volts	Current	Code
6V-9V-12V-15V	2 AMP	PT2156

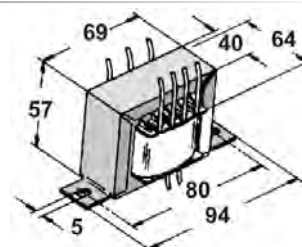


### 30W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

0/15/17.5/20/24/27.5/30

Volts	Current	Code
0V-15V-17.5V-20V-24V-27.5V-30V	1 AMP	PT6672

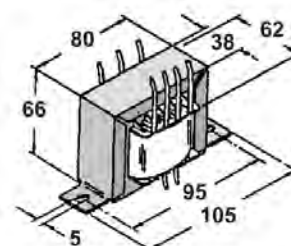


### 50W AC POWER TRANSFORMER

#### MULTI-TAP VOLTAGE

12/15/18V

Volts	Current	Code
12V-15V-18V	2.5A	PT1825



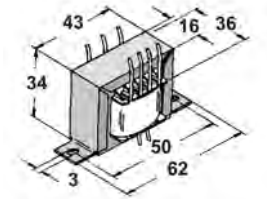
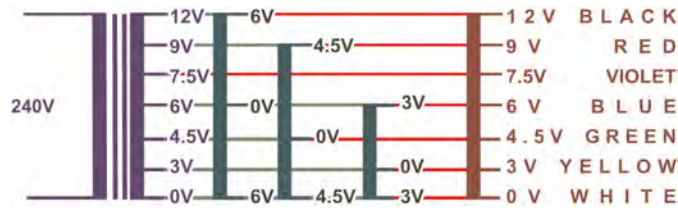




## 4W AC MULTI-TAP TRANSFORMER UNIVERSAL

**300mA 12Vac Taps**  
3/4.5/6/7.5/9/12 Volts or  
6/9/12 Volt Centre Tapped  
43x36x34mm 4 Watt transformer

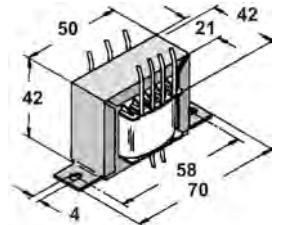
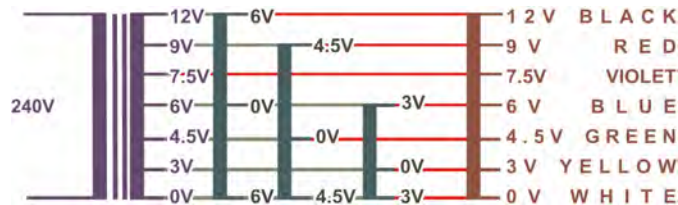
Current Code  
300mA PT1312



## 6W AC MULTI-TAP TRANSFORMER UNIVERSAL

**500mA 12Vac Taps**  
3/4.5/6/7.5/9/12 Volts or  
6/9/12 Volt Centre Tapped  
50x42x42mm 6 Watt transformer

Current Code  
500mA PT1512

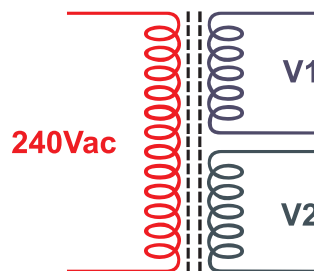


## TOROIDAL POWER TRANSFORMERS

### COMPACT EFFICIENT LOW-NOISE 20W - 160W - 300W

Transformers are wound with heavy gauge copper and are wrapped with polyester tape. Meeting all major industry standards. Includes mounting kit with plate, pads, nut, and bolt. Wire in series for centre-tap V+V output or double the current by wiring in parallel.

Volts	Series	Parallel	Size	Code
9+9	1.11A	2.22A	30x71mmØ	TOR-2082
12+12	0.83A	1.66A	30x71mmØ	TOR-2084
15+15	0.67A	1.33A	30x71mmØ	TOR-2086
12+12	6.66A	13.3A	40x110mmØ	TOR-2112
18+18	4.44A	8.88A	40x110mmØ	TOR-2113
25+25	3.20A	6.40A	40x110mmØ	TOR-2114
12+12	12.5A	25.0A	55x125mmØ	TOR-2130
40+40	3.75A	7.50A	55x125mmØ	TOR-2140
50+50	3.00A	6.00A	55x125mmØ	TOR-2144

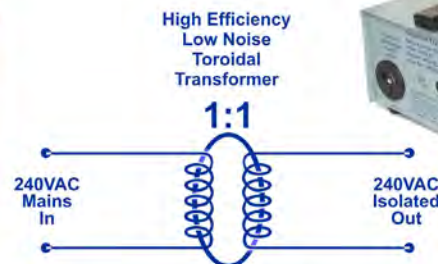


## 240Vac To 240Vac ISOLATION TRANSFORMER

### SEE TOOL SECTION FOR MORE TEST EQUIPMENT

This item is a technicians  
Repair/Service Instrument  
Protects you from direct  
contact with the mains.

Type	Code
1A	TDB240-240
2A	TDB240-500



## 240Vac VARIAC - VARIABLE AC TRANSFORMER

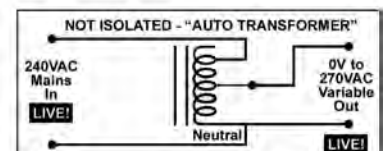
### SEE TOOL SECTION FOR MORE TEST EQUIPMENT

Technicians Repair/Service Instrument. 240Vac Mains Plug  
Input with variable 0Vac to 260Vac output. Mechanically  
adjustable by an Auto-Transformer (No isolation).

Code  
MP3080



FOR TECHNICIANS  
**HIGH VOLTAGE**  
TEST PLATFORM FOR REPAIRING





## Enclosures & Boxes

### ABS

#### SEALED IP65

Supplied with neoprene lid sealing gasket. With the seal installed, these enclosures meet IP65 dust and hose proof standard. Six PCB mounting points are moulded into the enclosure base. Lid incorporates a recess for a lexan panel. Extra height for industrial type relays.

Suits	Code
105x105x57mm	CAS0360
165x105x78mm	CAS0362
250x200x95mm	CAS0363
250x200x130mm	CAS0364



MOUNTING SOLUTIONS AVAILABLE SEE FEET...



#### SEALED IP65

Supplied with neoprene lid sealing gasket meet IP65 standard. PCB mounting points are moulded into the enclosure base.

Meets IP65 Dust- and Hose-proof standards  
Brass screw thread inserts  
Neoprene gasket seal  
Moulded PCB mounting points  
Manufactured from high impact ABS  
High Temp' -40°C to +80°C

Size	Code
65x60x40mm	CAS0300
105x75x40mm	CAS0301
85x80x55mm	CAS0302
105x75x55mm	CAS0303
125x85x55mm	CAS0304
145x105x45mm	CAS0305
165x85x55mm	CAS0306
145x105x65mm	CAS0307
165x125x75mm	CAS0308
186x146x75mm	CAS0310
220x165x60mm	CAS0312
220x160x80mm	CAS0313



#### SEALED IP65 CLEAR LID

Supplied with neoprene lid sealing gasket IP65 dust and hose proof. Supplied with a transparent lid. PCB mounting points are moulded into the enclosure base. These sturdy enclosures have 3mm thick walls and are rated to UL 94V-0 (-40° to 75°C). Not UV stabilised.

Meets IP65 Dust- and Hose-proof standards  
Brass screw thread inserts  
Neoprene gasket seal  
Moulded PCB mounting points  
Manufactured from high impact ABS  
High Temp' -40°C to +80°C

Size	Code
65x60x40mm	CAS0320
105x75x40mm	CAS0321
85x80x55mm	CAS0322
105x75x55mm	CAS0323
125x85x55mm	CAS0324
145x105x45mm	CAS0325
165x85x55mm	CAS0326
165x125x75mm	CAS0328
186x146x75mm	CAS0330
220x165x60mm	CAS0332
220x160x80mm	CAS0333



#### POLYCARBONATE IP65

Popular mounting box as fits two standard power wall plates. Weather proof IP65

Size	Code
171x121x55mm	CAS0478
171x121x80mm	CAS6224



#### FLANGE MOUNT GREY

With mounting ears for surface mounting. In addition, they include a shallow recess on the base and lid to house a membrane or lexan panel. Moulded mounting posts are included in both the base and lid for securing PCBs.

Size	Code
80x60x30mm	CAS0119
80x60x40mm	CAS0120
125x80x35mm	CAS0121
125x80x50mm	CAS0122
125x100x60mm	CAS0124
175x125x70mm	CAS0132
200x150x70mm	CAS0136



#### FLANGE MOUNT BLACK

Compact plastic housing with mounting flanges. Some have pre-drilled entry holes.

Size	Hole	Code
86x55x33mm	11mmØ	CAS0209
66x85x31mm	12mmØ	CAS0210
67x112x36mm	Nil	CAS0211
70x42x27mm	Nil	CAS0208







## □ ABS

### JIFFY BOXES GREY

Manufactured from sturdy ABS plastic these boxes have a moulded PCB mounting design. Allows PCB's to be installed vertically, or snapped in horizontally without the use of PCB stand-offs.



Size	Code
158x95x53mm	CAS0151
198x113x62mm	CAS0152
130x67x42mm	CAS0153
83x54x30mm	CAS0155

### JIFFY BOXES BLACK

Manufactured from sturdy ABS plastic these boxes have a moulded PCB mounting design. Allows PCB's to be installed vertically, or snapped in horizontally without the use of PCB stand-offs.

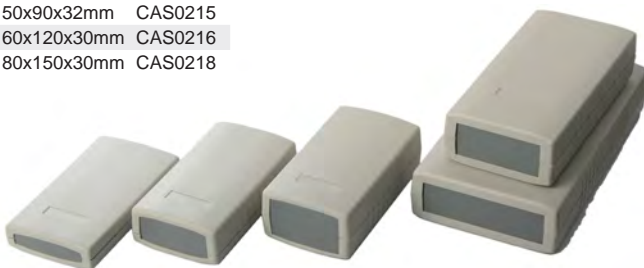


Size	Code
158x95x53mm	CAS0201
198x113x62mm	CAS0202
130x67x42mm	CAS0203
83x54x30mm	CAS0205

### INSTRUMENT CASE

This professional series features solid ABS screw-together construction, internal PCB guides and an attractive rounded finish. Dust and moisture proof.

Size	Code
50x90x16mm	CAS0212
50x90x24mm	CAS0214
50x90x32mm	CAS0215
60x120x30mm	CAS0216
80x150x30mm	CAS0218



### INSTRUMENT CASE

#### SNAP TOGETHER ABS HOUSING

A stylish range of 4 piece snap together, low profile, instrument cases. Each case has four faces which may be customised with screen printing or lexan. Internal PCB mounting posts are provided. Suitable for both handheld or desktop use. UL 94-HB



Size	Code
130x75x28mm	CAS0376
155x90x28mm	CAS0377
200x120x40mm	CAS0378

## □ Diecast

### FLANGE MOUNT IP66

Industrial grade heavy duty die cast boxes with flanged base for easy mounting & access. Sealing gasket included achieving IP66 rating making them ideal for mining, industrial, agricultural and marine use. Countersunk lid holes. Dimensions exclude flanges.

Size	Code
89x35x30mm	CAS0420
114x64x30mm	CAS0421
114x64x55mm	CAS0422
114x89x55mm	CAS0423
120x100x35mm	CAS0424
171x121x55mm	CAS0427



### FLANGE MOUNT IP65

Heavy duty die cast boxes with flanged lid for easy mounting. They offer a high degree of RFI shielding and are suitable for industrial or automotive use. Available in 6 different sizes for a multitude of applications. All flange and lid holes are countersunk. Dimensions listed exclude flanges.

Size	Code
51x51x32mm	CAS0430
111x60x30mm	CAS0432
110x83x45mm	CAS0434
121x121x59mm	CAS0438
187x118x57mm	CAS0442
191x191x67mm	CAS0444



### DIECAST ALUMINIUM BOX

Classic sturdy boxes offer strength and a high degree of RFI shielding for your projects. With vertical slots for accepting PCB's. Ingress protected with internal raised lip but no rubber seal. IP52

Size	Code
98x50x25mm	CAS0451
118x60x40mm	CAS0453
119x94x35mm	CAS0454
188x112x60mm	CAS0455



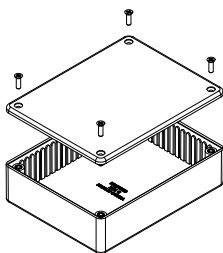


## □ Hammond

### HAMMOND 1591 PLASTIC ENCLOSURE IP54

Integral card guides accept 1.5 mm thick circuit boards. Lap joint construction provides protection against the ingress of dust and splashing water up to IP54. Moulded from economical black plastic. Black #4 x 12mm Phillips screws.

Length	Width	Height	Code
85	56	21	1591MSBK
85	56	35	1591LSBK
100	50	21	1591ASBK
112	62	27	1591BSBK
120	65	36	1591CSBK
150	80	46	1591DSBK
191	110	57	1591ESBK



www.hammondmfg.com

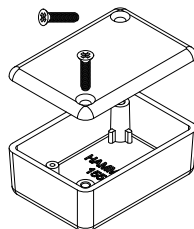
### HAMMOND 1551 ABS ENCLOSURES MINIATURE

#### PLAIN OR FLANGED LIDS. IP54

Moulded in black general purpose ABS plastic. Satin texture finish. Complete with lid and two self tapping screws. Ingress Protection IP54. Black plated screws are colour matched. 2 PCB standoffs moulded into the base. Lap joint construction protects against the ingress of dust and splashing water IP54.

#### PLAIN LID

Length	Width	Height	Code
50	35	15	1551FBK
50	35	20	1551GBK
60	35	20	1551HBK
80	40	15	1551LBK
80	40	20	1551KBK



#### FLANGED LID

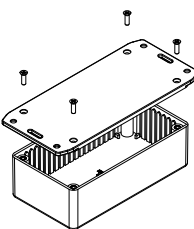
Length	Width	Height	Code
35	35	15	1551NFLBK
35	35	20	1551MFLBK
40	40	15	1551QFLBK
50	35	20	1551GFLBK
50	50	20	1551RFLBK
60	35	20	1551HFLBK
80	40	15	1551LFLBK
80	40	20	1551KFLBK



### HAMMOND 1591 PLASTIC IP54 WITH FLANGE LID

Ideally suited for mounting printed circuit boards. Integral card guides accept 1.5 mm PCB cards. Lap joint construction provides protection against dust accumulation and splashing water to IP54. Molded from economical black plastic. Lid is secured with #4 x 0.5" Phillips screws. Flanged lid is perfect for wall or shelf mounting. Lid also contains PC board standoffs.

Length	Width	Height	Code
85	56	21	1591MSFLBK
100	50	21	1591ASFLBK
112	62	32	1591BSFLBK
120	65	36	1591CSFLBK
150	80	46	1591DSFLBK
191	110	57	1591ESFLBK



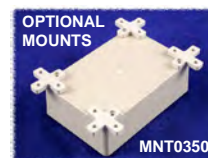
### HAMMOND RP ABS ENCLOSURES IP65

#### RITEC - WATER TIGHT & UL94HB

Light grey, general purpose ABS plastic watertight enclosure IP65. Material carries a UL flammability rating of UL94HB. Gasket lid with two-piece "tongue and groove" construction provides protection against access of oil, dust and water. Lid includes smooth recessed area for membrane, label or silk-screen and is secured with stainless steel machine screws (included), threaded into integral stainless steel bushes.



Length	Width	Height	Code
105	75	55	RP1095
166	86	55	RP1175

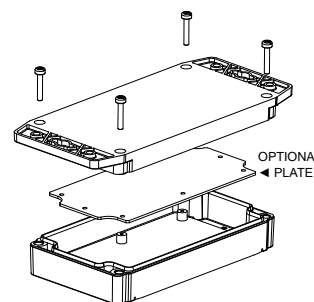


### HAMMOND 1555 FLANGE MOUNT

#### IP67 POLYCARBONATE

1555 is a family of rugged IP67 sealed units designed for wall or chassis mounting PCB-based or DIN-rail based equipment in harsh industrial environments or outdoor applications.

Polycarbonate. Rubber grommet sealed lid. Stainless steel fittings. Optional internal mounting plate.

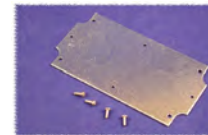


Length	Width	Height	Code
120	66	42	1555C2F22GY
120	91	37	1555F2F17GY
120	91	62	1555F2F42GY
159	91	37	1555J2F17GY
159	91	62	1555J2F42GY



#### INTERNAL PLATE

Galvanized 16 gauge steel panels for mounting components, shielding, etc. Mounts into plastic standoffs in the lid or base of the enclosure using the four included screws.



Length	Width	Height	Suits	Code
108	52	1.63	1555C2F	1555CFPL
108	76	1.63	1555F2F	1555FFPL
148	76	1.63	1555J2F	1555JFPL

### HAMMOND MANUFACTURING

MORE PRODUCTS AVAILABLE  
Can be ordered in with short delay.  
Please visit their website for details:  
www.hammondmfg.com







## HAMMOND 1593 INSTRUMENT ENCLOSURE

### HAND-HELD OR BENCHTOP

Ergonomically designed for a comfortable fit into the user's hand. Recessed top for membrane display or keypad. Lap joint IP54. Available with or without removable end panels. Moulded in black ABS plastic with a satin texture.

Length	Width	Height	Removable Panels	Battery Door	Code
66	66	28	0	No	1593JBK
66	66	28	2	No	1593KBK
92	66	28	2	No	1593LBK
112	66	28	1	Yes	1593QBK
140	66	28	1	Yes	1593YBK

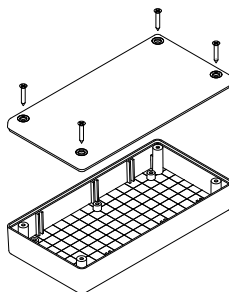


## HAMMOND 1599 INSTRUMENT ENCLOSURE

### HAND-HELD RECESSED FACIA PANEL

Attractively styled and ergonomically designed for use as a hand-held instrument enclosure. Moulded from economical plastic. Recessed top for membrane display or pad. Lap joint construction provides protection against the ingress of dust and splashing water. Deep top and shallow base are specifically designed to enhance the aesthetics of the enclosure and provide the user with flexibility and assembly efficiency. PCB standoffs in top and base.

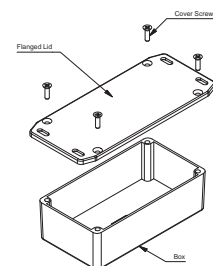
Length	Width	Height	Code
130	65	25	1599BSGY
170	85	34	1599ESGY
220	110	44	1599HSGY
220	140	41	1599KSGY



## HAMMOND 1590 FLANGE MOUNT AU

Diecast Aluminium Enclosure With Flange IP54, lap joint construction protects against dust and splashing water ingress and provides good EMI/RFI shielding.

Length	Width	Height	Code
93	39	27	1590WAFB
112	60	27	1590WBBF
121	66	35	1590WNB1
153	82	46	1590WBP1
188	120	52	1590WDDF

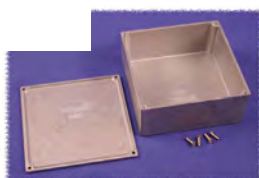


## HAMMOND 1590 DIECAST ALUMINIUM ENCLOSURE

Length	Width	Height	Code
124.50mm	124.50mm	57mm	1590KK

Rugged, diecast aluminium alloy material. Lap joint IP54. Four machine screws secure lid - into tapped holes.

### IP54 RATING

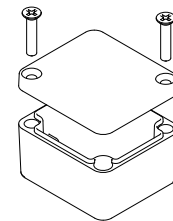


## HAMMOND 1550W DIECAST ALUMINIUM IP66 LIGHT

### IP66 WEATHER PROOF

Rugged, die-cast aluminium watertight enclosure. Tough yet easy to machine. Lap joint construction with EVA foam gasket (included). Vibra finished for a smooth surface with no sharp edges. Polyester powder painted inside and out for a lasting finish. Four M3.5 x 12 mm long stainless steel, Phillips head. Designed to meet IP66 weather proof & RF shielding. No internal ribs for installation of connectors without interference. Low side wall draft angle (2° or less) for easy PCB mounting.

Length	Width	Height	Code
60	55	30	1550WQ
89	35	30	1550WA
115	64	55	1550WD
222	146	105	1550WH

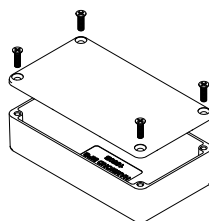


## HAMMOND 1550 DIECAST ALUMINIUM ENCLOSURE

### LAP JOINT IP54 & EMI-RFI SHIELDED

Rugged, die-cast aluminium alloy electronic instrument enclosure. Tough yet easy to machine. Lap joint construction protects against the ingress of dust and splashing water and also provides for improved EMI/RFI shielding. Unpainted version is vibra finished for a smooth surface with no sharp edges. Four M3 12 mm long stainless steel Phillips head machine screws secure the lid into factory tapped holes. Designed to meet IP54. No internal ribs. Low side wall draft angle.

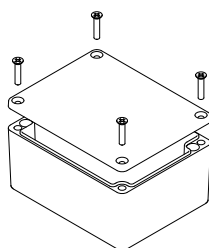
Length	Width	Height	Code
80	55	21	1550P
115	64	26	1550B
140	102	73	1550K
165	127	73	1550L



## HAMMOND 1550Z DIECAST ALUMINIUM IP66 HEAVY

### IP66 WEATHER PROOF

Thick wall diecast aluminium watertight enclosure. Two piece "tongue & groove" construction for protection against access of dust and water to IP66. Ideal for repetitive opening and closing. Wall mount using "through box - blind hole" (except 1550Z120). Access to blind holes is outside the gasket ring. Vibra finished for a smooth surface with no sharp edges. Polyester powder painted inside and out for a lasting finish. Phillips lid screws are outside the gasket protection area. Gasket is pre-formed, one-piece silicone rubber. No internal ribs for installation of connectors without interference.



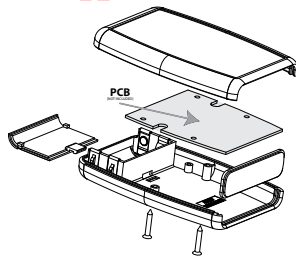
Length	Width	Height	Code
50	45	30	1550Z101
115	90	55	1550Z113
121	121	102	1550Z137
160	100	60	1550Z116
171	121	55	1550Z120
223	147	50	1550Z124



## □ Hammond

### HAMMOND 1553 HAND-HELD

Ergonomically designed for hand-held comfort. Molded in general purpose ABS plastic with a grey overmold, soft plastic grip. Top cover is recessed for membrane display or keypad. PCB standoffs are molded into case. Includes removable front panel and assembly hardware. Battery door & compartment version includes 4 battery clips for 2 - AA batteries and a 9 volt battery clip.



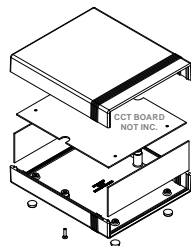
Length	Width	Height	Code
117	79	24	1553BBKBAT
117	79	33	1553CBKBAT
147	89	24	1553DBKBAT



### HAMMOND 1598 INSTRUMENT ENCLOSURE

#### BENCHTOP STYLE GREY WITH BLACK FACIA

Modern low profile instrument enclosure. Two sets of vertical 1.5 mm PC board guides are moulded into the case halves at the front and rear. Moulded in general purpose ABS plastic. End panels are moulded in black ABS plastic. Designed to meet IP54. Integral horizontal PCB stand-offs on Eurocard centres.



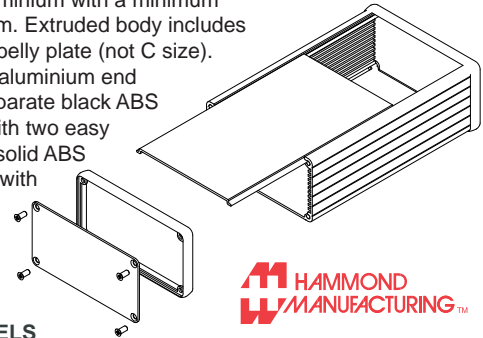
Length	Width	Height	Code
115	92	36	1598ASGYPBK
133	133	51	1598BSGYPBK
178	152	51	1598CSGYPBK
178	203	63	1598DSGYPBK
160	160	86	1598ESGYPBK



### HAMMOND 1455 EXTRUDED ALUMINIUM

#### PLASTIC OR METAL END PANELS

Designed to house PCBs or for equipment interfacing. N size accepts standard Eurocards. PCBs mount horizontally by sliding into internal slots extruded into the enclosure body. Rugged body constructed from extruded clear anodised aluminium with a minimum thickness of 1.5 mm. Extruded body includes a slide removable belly plate (not C size). Available with two aluminium end panels and two separate black ABS plastic bezels or with two easy to machine, black solid ABS plastic end panels with integral bezels.



#### METAL END PANELS

Length	Width	Height	Code
80	54	23	1455C801
120	78	27	1455J1201
120	78	43	1455K1201
120	103	31	1455L1201
120	103	53	1455N1201
160	78	43	1455N1601



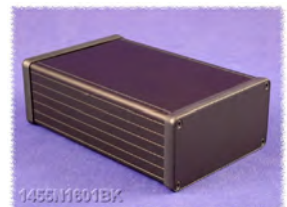
#### PLASTIC END PANELS

Length	Width	Height	Code
80	54	23	1455C802
120	78	27	1455J1202
120	78	43	1455K1202
120	103	31	1455L1202
120	103	53	1455N1202
160	78	43	1455N1602



#### METAL END PANELS BLACK CASE

Length	Width	Height	Code
80	54	23	1455C801BK
120	54	23	1455C1201BK
120	78	27	1455J1201BK
120	78	43	1455K1201BK
120	103	31	1455L1201BK
120	103	53	1455N1201BK
160	78	43	1455K1601BK
160	103	53	1455N1601BK
220	103	31	1455N2201BK



## □ Rack Mount

### 19" RACK CASES

Each finish is available in 1U (44mm), 2U (88mm) or 3U (132mm) high. Overall depth 255mm. Brushed aluminium black anodised facia (482.5mm).

Brushed look black anodised aluminium front panel  
1.5mm aluminium rear panel for easy machining  
Steel sides and removable top and bottom steel panels  
Facia Size conform to the International Standard 482.5mm  
Ventilated lid and Deluxe finish front panel  
Supplied in flat pack form - Easily assembled

Rack	Size	Code
1U	44x255x432mm	CAS5031
2U	88x255x432mm	CAS5032
3U	132x255x432mm	CAS5033

### 19" BLANKING PANELS ONLY

Height	Type	Code
1RU	Plastic*	BP1RU
1RU	Metal	BPM1RU
2RU	Metal	BPM2RU
3RU	Metal	BPM3RU
4RU	Metal	BPM4RU







## Accessories

### MOUNTING FLANGE

#### ABS IP65 CAS0300 & RP

Kit includes four flanges and mounting screws for each corner. Suits mounting enclosures including all CAS03xx & RP Series.

Pack of	Code
4	MNT0370



### DIN CLIPS

#### ATTACH ENCLOSURE TO DIN RACK

Designed for mounting enclosures to DIN rails  
Includes hardware & drilling template  
4 pieces #6 X 1/4" self tapping screws  
Centre to centre hole spacing is 30mm  
Material is a rugged flame retardant nylon  
UL94-V0 flammability rating  
Maximum weight load is 15Kg each.  
Units are 45.7mm long, 10.1mm wide  
Sold in packages of 2

Pack of	Code
2	1427DINCLIP



### MOUNTING FEET SNAP-IN

10mm diameter, requires 8mm Mounting Hole.  
5mm chassis clearance.

Size	Code
5x10mmØ	PRF10



### MOUNTING FEET SQUARE

Self adhesive general purpose

Size	Code
12x12x6mm	RFG12
20x20x7.5mm	RFG20



### MOUNTING FEET HEMISPHERE

Non slip rubber feet to protect delicate surfaces from scratching and to elevate equipment to allow airflow preventing heat build-up. 3M adhesive. ROHS.

Size	Code
8x16mmØ	RFG16



### MOUNTING FEET SLIM

Low profile rubber feet with adhesive base.

Size	Code
4x12mmØ	ARF12



### MOUNTING FEET ROUND

Bolt-On rubber feet with 3mm hole. (Screws not included).

Size	Code
7x12mmØ	BRF12
7x15mmØ	BRF15
12x24mmØ	BRF24



### COMPONENT FEET RUBBER

#### HIFI INSULATORS

Injection molded. Energy absorbing. Vibration reducing. Brushed aluminium. Outer wrap decor Gold Coloured.

Size	Height	Colour	Code
44mmØ	16mm	Gold	RFG44GD



### COMPONENT FEET

#### NON-SCRATCH RUBBER BASE

Plastic feet with coloured decal outer. 3mm thick rubber surface for non-slip, non-scratch grip. 19mm high, 60mmØ and 10mm high, 44mmØ

Size	Height	Colour	Code
60mmØ	20mm	Gold	RFG60-GD
60mmØ	20mm	Silver	RFG60-SV
44mmØ	9mm	Silver	RFG4410SV
44mmØ	14mm	Silver	RFG44SV



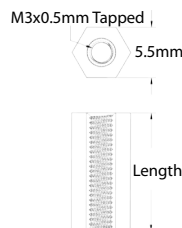


## M3 NYLON SPACER – FEMALE / FEMALE

### M3 THREADED THROUGH

Hexagonal threaded spacer. Widely used for single or multi-layer PCB mounting. Nylon-66 fireproof grade UL94V-2 material.

Length	Code
6mm	M3-6HP
9mm	M3-9HP
12.7mm	M3-12HP
20mm	M3-20HP

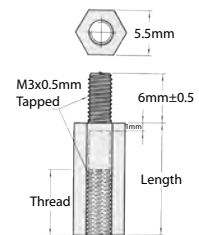


## M3 NYLON SPACER - MALE / FEMALE

### M3 THREADED BOLT AND SOCKET

Hexagonal threaded spacer. Widely used for single or multi-layer PCB mounting. Nylon-66 fireproof grade UL94V-2 material.

Length	Thread	Code
6mm	4mm	M3-6TP
9mm	6mm	M3-9TP
18mm	6mm	M3-18TP
22mm	6mm	M3-22TP



## NUTS & BOLTS

### NOTE: ORDER ONE TO RECEIVE A PACK OF TEN

Miscellaneous Nuts & Bolts suitable for heat sink applications.

### METAL SCREW

Pack of	Code
10	YC81

### POLY SCREW

Pack of	Code
10	YC80

### SPRING WASHER

Pack of	Code
10	YC84

### METAL NUT

Pack of	Code
10	YC85

### PUSH-ON NUT

Pack of	Code
10	YC87

### TAGGED WASHER

Pack of	Code
10	YC86

### POLY NUT [SINGLES]

Pack of	Code
one	M3-NYNUT

## CAGE NUTS

### RACK CAGE NUTS

Black screw cross-head with Plastic washer and Cage Nut. Suit racks. Order one to receive a bag of 4.

Colour	Pack of	Code
Silver	4 Sets	CNM602
Black	4 Sets	CNM601
Black	100 Sets	CNM603



## NUT & BOLT KITS

### BAGS OF 50x NUTS/BOLTS/WASHERS

Pan head Posi Bolt x50 Nut x50 & Washer x50

Size	Pack of	Code
M3	50 x 3	M350KB
M4	50 x 3	M450KB



## STRAIN RELIEF BUSHING

### CABLE CLAMPS

Hole	Pack of	Code
6.2Ø to 7.4Ø	10	SRC510
7.4Ø to 8.2Ø	10	SRC610

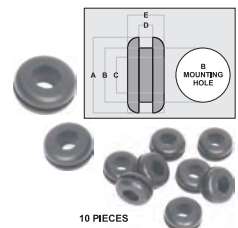


## RUBBER GROMMETS

### CHASSIS MOUNT 10 PIECES

Please Order ONE to Receive a bag of 10.

A	B	C	D	E	Code
11	8.0	4.5	1.6	4.5	GM210
15	9.5	6.3	1.6	7.0	GM310
18	13	9.5	1.6	6.8	GM410



## NYLON CABLE GLAND PAIR

Twist to lock strain relief for weather-proof cable entry. Order One to receive a bag of Two.

Cable Range	Hole	Pack of	Code
3-6mmØ	12mmØ	2	HP0720
6-12mmØ	20mmØ	2	HP0732



## NYLON CABLE GLAND LARGE

IP68 cable gland with rubber clamping ring for a secure and weatherproof cable entry seal. Cable = Entry min-max diameter. Hole = Chassis cut diameter.

Cable	Hole	Code
5-8mmØ	12mmØ	NCG1012
6-10mmØ	16mmØ	NCG1016
9-14mmØ	20mmØ	NCG1020
14-18mmØ	25mmØ	NCG1025
18-25mmØ	32mmØ	NCG1032
24-31mmØ	40mmØ	NCG1040
31-41mmØ	50mmØ	NCG1050
44-51mmØ	63mmØ	NCG1063



## SCREWS

### SEE TOOLS SECTION





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# Service & Repair

## □ Turntable Parts

























## □ Replacement Stylus

### STANFIELD STYLUS LISTING

A comprehensive range of nearly 1000 Styli are available. Please order (or download) a copy of the Stanfield Catalogue MAN-STY. Available in hard copy with over 100 pages. This is a listing of virtually every stylus ever released in Australia! We list the most popular here but Stanfield stock the lot! Rare ones can be ordered in with short delay.

Code  
MAN-STY































Stylus Cartridge	Type	Tip	Tracking Force	Code	Stylus Cartridge	Type	Tip	Tracking Force	Code
 Acos: GP83 Hitachi: XTS120 Piezo: Y99, Y171, Y330	Ceramic	Stereo		D35	 Pioneer: PN14, PN15, PN20, PN10, PN11	Moving Magnet	Conical		D190
 Ronette: DC284, CMT102	Ceramic	Stereo		D44	 Audio Technica: AT10, 11, 12 Denon: JM12, 13, ..	Variable Magnet	Conical	2.5g	D197
 Philips: GP200, GP300, GP306	Ceramic	Stereo/2		D87	 Denon: B.S.R.	Ceramic	Stereo	6.0g	D325
 Hitachi XFS200, HMV PC22 PC23	Ceramic	Stereo/2	5.0g	D88	 HMV Audio10 N2-22 35 N3- 4Z Tablegram	Ceramic	Stereo/2	4.5g	D332/2
 Hitachi XFS200, HMV PC22 PC23	Ceramic	Stereo / 78rpm	5.0g	D88/78	 Dual: M44G Shure: M44-3, 7 Garrard: M44-7	Moving Magnet	Conical	0.75-1.5g	D387
 Dual: V15 Pickering: V15	Moving Magnet	Conical	3.0g	D100	 B.S.R: SC5M, X3M, X5H	Ceramic	Stereo/2	7.0g	D404
 Technics: EPC451, EPC460	Moving Magnet	Conical	3.0-4.0g	D157	 Dual: M75 Shure: M75-3, M75-6/MKII Garrard: M75-6	Moving Magnet	Conical	0.75-1.2g	D414
 Excel ES70 Lenco M100 Neat V800 Ronette: SM500	Moving Magnet	Conical	1.0-2.5g	D170	 Shure: M44C	Moving Magnet	Conical	3.0-5.0g	D424
 Dual: DM101G Shure: M91, M93E	Moving Magnet	Conical	0.75-1.5g	D186	 Shure: M55E	Moving Magnet	Elliptical	1.3g	D425E
 Dual: DM101G Shure: M91, M93E	Moving Magnet	Elliptical	0.75-1.5g	D186ED	 B.S.R.:5M HMV: PC22, PC23, PC27	Ceramic	Stereo/2	5.0g	D442
 Stanton: 500A, 500A/II, 500-3	Moving Magnet	Conical	2.0-5.0g	D188	 B.S.R: HMV:	Ceramic	Stereo / 78rpm	5.0g	D442/78
 Stanton: 500A, 500A/II, 500-3	Moving Magnet	Elliptical	2.0-5.0g	D188E	 Garrard: KS40A, KS41B, KS41C Sonotone: 3509, 3549	Ceramic	Stereo/2	4.5g	D444

For more styli available and further cross-reference information - See our web site and/or download/order the Stanfield catalogue MAN-STY



















Stylus Cartridge	Type	Tip	Tracking Force	Code
 BSR, Garrard, Sonotone	Ceramic	Stereo / 78rpm	4.0g	D444/78
 Dual: M75G, Shure: M75E	Moving Magnet	Elliptical	1.2g	D456E
 Tetrad C2, HMV 19D, Kriesler C2, Astor C2	Ceramic	Stereo/2	4.5g	D464
 B.S.R: SC7M, SC8M, SC10M, SC12M	Ceramic	Stereo/2	4.5g	D475
 BSR SC7M, SC8M, SC10M, SC12M	Ceramic	Stereo / 78rpm	4.5g	D475/78
 JVC Nivico: MD1013Z	Moving Magnet	Conical	2.5-3.5g	D505
 JVC Nivico: MD1016	Moving Magnet	Conical	1.5-2.0g	D506
 Audio Technica: AT55, Sansui, Yamaha, Toshiba:	Induced Magnet	Conical	2.5g	D508
 Pioneer: PC12, PC110	Moving Magnet	Conical	1.7-2.5g	D528
 Rotel 2R, Sony: VX108, Sharp, Toshiba:	Moving Magnet	Conical	2.0g	D539
 Marantz: TT6350, Shure: V15/III	Moving Magnet	Elliptical	1.1g	D541
 ADC: K8, K8E	Induced Magnet	Conical	0.75-1.5g	D558
 Sansui: SV28	Induced Magnet	Round	2.5g	D564
 C.E.C: MC14, MC20, Marantz: TT4, TT6120	Moving Magnet	Conical	2.2g	D569
Stylus Cartridge	Type	Tip	Tracking Force	Code
 Sansui: SC37, Pioneer: PXT968, Sharp: 104, 114	Induced Magnet	Conical	2.5g	D574
 Excel: QD700, Kriesler: MC15, Sanyo: MG20, 27	Moving Magnet	Conical	1.0-2.0g	D579
 Pioneer: PC135	Moving Magnet	Conical	2.0-3.0g	D593
 Toshiba: C22C	Ceramic	Conical	3.0g	D594
 Dual: M95ED, Shure: M95ED	Moving Magnet	Elliptical	1.1g	D606ED
 Denon, Onkyo, Rotel, Sony, Yamaha, Marantz:	Variable Magnet	Conical	2.0g	D608
 Technics: EPC270, 290, 405, 440, 88, ...	Moving Magnet	Conical	1.5-2.0g	D616
 Technics: EPC270, 290, 405, 440, 88, ...	Moving Magnet	Elliptical	1.5-2.0g	D616ED
 Denon: JC24, JM45, JVC Philips: CZ680	Ceramic	Stereo	6.0g	D1022
 Dual: FF15.0/II, Ortofon: FF15/II, FF15E/II	Moving Magnet	Conical	2.0g	D1029E
 Tempest, TEAC, Pye, Samsung	Ceramic	Conical		D1070
 Audio Technica: AT93, AT95E	Variable Magnet	Conical	2.5g	D1071
 Audio Technica: AT95E, AT3451E, AT3492EP	Variable Magnet	Elliptical	1.5g	D1071E
 Excel: ME55, C.E.C: MC17	Moving Magnet	Conical	1.0-2.5g	D1081















For more stylus available and further cross-reference information - See our web site and/or download/order the Stanfield catalogue MAN-STY





# Service & Repair





























	Stylus Cartridge	Type	Tip	Tracking Force	Code
	Denon: Nagaoka: Sanyo: Toshiba:	Moving Magnet	Round	1.25g	D1085
	Denon: JM24 Piezo: YM123, YM124	Moving Magnet	Conical	2.0g	D1086
	Audio Technica: AT3400, Akai: Sharp: Sony:	Variable Magnet	Conical	3.5g	D1090
	Shibata 600LAC	Induced Magnet	Round	1.0-2.0g	D1093
	Hitachi: MT8	Moving Magnet	Conical		D1095
	Hitachi: Mitsubishi: Onkyo: Rotel: Sharp: Toshiba:	Moving Magnet	Conical	2.0g	D1097
	Disco Concord Tetrad	Ceramic	Conical		D1109
	Marantz: Technics: EPC-P510 Yamaha:	Moving Magnet	Conical	1.25g	D1129
	BSR PYE Tetrad T2M/D Morse TS40 TS7150	Induced Magnet	Conical		D1132
	CEC: MC6 Toshiba: Philips: Sanyo: N20C PYE: M20C	Induced Magnet	Round	5.5g	D1138
	Toshiba N320	Moving Magnet	Round	1.5-2.0g	D1151
	Sure SC35C	Moving Magnet	Conical	4.5g	D1152
	Technics: Sanyo: Toshiba:	Ceramic	Conical	4.0g	D1153
	Audio Technica AT90 Philips Pioneer Sony	Variable Magnet	Conical	2.0g	D1155

	Stylus Cartridge	Type	Tip	Tracking Force	Code
	Audio Technica: AT90 Pioneer: Sony: Yamaha:	Variable Magnet	Elliptical	2.0g	D1155E
	Audio Technica: AT90 Pioneer: Sony: Yamaha:	Variable Magnet	Round	3.0 - 4g	D1155G
	Technics EPC-P23 EPC-P24	Moving Magnet	Round	1.5-2.0g	D1163
	Technics EPC-P23 EPC-P24	Moving Magnet	Elliptical	1.5-2.0g	D1163E
	C.E.C.: MC3 Marantz: TT121	Moving Magnet	Conical	1.5g	D1172
	Audio Technica: AT105	Variable Magnet	Conical	2.0g	D1173
	Audio Technica: Dual: JVC Technics: Pioneer: Sony:	Variable Magnet	Conical	1.3g	D1177
	Audio Technica: Dual: JVC Technics: Pioneer: Sony:	Variable Magnet	Elliptical	1.3g	D1177E
	Kenwood Trio Sansui	Induced Magnet	Conical		D1179
	Acos: GP83 Hitachi XTS120 Piezo	Ceramic	Round		D1181
	Kenwood Trio: V69 Toshiba: C62, C66M, C64M	Induced Magnet	Conical	2.3g	D1183
	Marantz: TT130, TT3200	Moving Magnet	Conical	2.0-3.0g	D1184
	HMV: Audio10, N2- 22, 35, N3-4Z, Tablegram	Ceramic	Stereo / 78rpm		D1187
	Denon: Sanyo: Toshiba:	Moving Magnet	Conical	1.25g	D1190

For more styli available and further cross-reference information - See our web site and/or download/order the Stanfield catalogue MAN-STY





Stylus Cartridge	Type	Tip	Tracking Force	Code		Stylus Cartridge	Type	Tip	Tracking Force	Code
	Technics: EPC-P30, EPC-P33	Moving Magnet	Conical	1.0g	D1221		Shure: M75-3	Moving Magnet	78rpm	1.5-3.0g D1286
	Technics: EPC-P30, EPC-P33, EPC-P530, EPC-P540	Moving Magnet	Elliptical	1.25g	D1222E		Stanton: 500AL	Moving Magnet	Conical	3.0-7.0g D1289AL
	Kenwood Trio: V66 Sansui: SC60, SC80	Induced Magnet	Conical	3.0g	D1224		Sony: PSJ10 Marantz: TT493	Moving Magnet	Conical	D1299
	Ortofon: OM5, P5, OM5E, P5E, OM10E, OM20E, OM30E	Moving Magnet	Conical	2.0g	D1229		Kenwood Trio: KD29R, P100	Variable Magnet	Conical	D1304
	Ortofon: OM5, P5, OM5E, P5E, OM10E, OM20E, OM30E	Moving Magnet	Elliptical	1.5-2.0g (1.75g)	D1229E		Shure M70-3 M72-3	Moving Magnet	78rpm	1.5-3.0g D1307
	Shure: M92E	Moving Magnet	Elliptical	1.3g	D1237E		Stanton 500-3	Moving Magnet	78rpm	2.0-5.0g D1308
	Kenwood Trio: V68 Sanyo: MG66	Moving Magnet	Conical	1.25g	D1241		JVC Z1S, Z1E, Z3E	Moving Magnet	Conical	1.5-2.0g D6220
	Nagaoka: JT451	Moving Magnet	Conical	1.25g	D1243		Dual ULM60E	Moving Magnet	Elliptical	0.7-1.25g D6290
	Marantz: TT100, TT120	Moving Magnet	Conical		D1253		Philips G215	Ceramic	Conical	5.0g D6470
	Kenwood Trio: V62 Jelco: MC62 Toshiba: C30M	Moving Magnet	Conical	1.25g	D1256		Stanton 691E	Induced Magnet	Elliptical	0.75-1.5g D6610E
	Marantz: TT151, TT251, TT351, TT451, TT553	Moving Magnet	Conical	1.25g	D1259		Shure: M70B, M70EJ, M72EJ, M70-3, M72-3	Moving Magnet	Conical	1.5-3.0g D6890E
	Philips Sanyo Sharp	Ceramic	Conical	4.0g	D1260		Shure: M70B, M70EJ, M72EJ, M70-3, M72-3	Moving Magnet	Elliptical	1.5-3.0g D6890
	VX52P Sony ND152P VX52P TCD-982W	Ceramic	Conical	1.5-3.0g	D1260G		Pioneer: PC110/II	Moving Magnet	Conical	1.5-2.5g D7390
	Sanyo: RP118X Marantz: TT483	Induced Magnet	Conical	1.25g	D1278		Denon Sansui Rank Arena YM121	Moving Magnet	Elliptical	1.5-2.5g D7480

For more stylus available and further cross-reference information - See our web site and/or download/order the Stanfield catalogue MAN-STY





# Service & Repair

## □ Accessories

### STYLUS NEEDLE CLEANER

#### BRUSH N' LIQUID

Anti-static cleaning solution with a bottle brush in the lid. Professional grade. Remove grit & grime from the stylus needle.

Size	Code
20ml	SC-1



\*Fluid is flammable, Must be transported by road.

### CARBON FIBRE RECORD CLEANER

#### ANTI-STATIC MICRO-FIBRE BRUSH

A gentle brush with the microniser prior to record playing enables a million tiny filaments to discharge the harmful deposit from the grooves and bring a new dimension to record care.

Code
DC-05P



### PHONO & AUDIO PREAMP TO USB

#### OUTPUTS AUDIO & USB DIGITAL

User can use any kind of audio grabbing program to record audio from your turntable or any Audio in and convert to any kind of audio format.

Plug-N-Play operation with Microsoft® OS or Mac® OS default drivers. Phono in for RIAA pre-amplifier circuit with Line Level 3.5mm out. Up to 48KHz sampling rates for 2CH recording to digital via USB. USB powered via data cable (Mini-USB to USB 1.2M Included). MM (Moving Magnet) or MC (Moving Coil) switched input. Line level 3.5mm stereo input for recording any audio source.

Code
UPA100



### PHONO PREAMPLIFIER

This additional amp stage, allowing direct connection of a turntable. Update modern equipment with auxiliary RCA input to accept MM turntable. Also suitable for computer sound card's line input so you can make CD-Rs & MP3. Battery operated 9V included.

Code
PA005



### ANTISTATIC RECORD CLEANING

#### STATIC SPRAY CLEANER

Efficiently removes dust, dirt and static build up. Non abrasive for gentle and effective vinyl cleaning.

Size	Code
200ml	RC-2

\*Fluid is flammable, Must be transported by road.



#### REPLACEMENT CLOTH

Size	Code
210x280mm	DC-103

### RECORD WASH - ANTISTATIC

#### 250ml FLUID PLUS CLOTH FOR VINYL RECORDS

Efficiently removes dust, dirt and static build up. Non abrasive for gentle and effective vinyl cleaning. Most effective cleaning method for the badly soiled records.

Size	Code
250ml	RC-1

\*Fluid is flammable, Must be transported by road.



#### REPLACEMENT CLOTH

Size	Code
210x280mm	DC-103

### RECORD CLEANING CLOTH

#### ANTI-STATIC CLOTH

High quality special material anti static cleaning cloth. Improves sound quality and protect your records.

Size	Code
210x280mm	DC-103



### ANTISTATIC WIPE

#### CLOTH FOR VINYL RECORDS, etc.

Efficiently removes dust, dirt and static build up. Non abrasive for gentle and effective vinyl cleaning.

Code
CLN1515



#### CLEANING ADVICE:

With the record turning on turntable, gently touch it's surface with the anti-static cleaning cloth. After several revolutions lift the cloth off the record surface. Do not touch the record surface with your fingers, only the edges. Always store the cloth back in its sealed pouch.





## LP & CD CLEANING KIT

### RECORD & CD MAINTENANCE

Give a new life to your music records & CD's. Super cleaning kit.

kit contains:-

Anti-static Record Cleaning Cloth with 20ml Cleaning Fluid.

Carbon Fibre Anti-static Record Brush.

Stylus Cleaner with 20ml Cleaning Fluid.

CD Cleaner with 20ml Cleaning Fluid.

Code  
MHFC-2



\*Fluid is flammable, Must be transported by road.

## LP RECORD CLEANING KIT

### VINYL COLLECTION MAINTENANCE

Keep your valuable music collection new & clean  
.Professional Vinyl Record cleaning kit.

kit includes:-

Carbon Fibre Anti-static Record cleaning Brush.

Anti-static Record Cleaning Fluid 20ml.

Anti-static Record Cleaning Cloth.

Stylus Cleaner Fluid 20ml.

Code  
MHFC-9



\*Fluid is flammable, Must be transported by road.

## TURNTABLE MAT CORK RUBBER

Designed to improve the sound of your turntable by reducing the amount of resonance and vibration. Allows stylus to make better contact with the grooves on the records. This mat has a diameter of 295mm and 3mm thick, it is suitable for all turntables with a 12 inch platter. There is also a record label recess in the centre of the mat to allow your record to sit perfectly flat.

Diameter: 295mm  
Thickness: 3mm

Code  
DM207



## ACRYLIC STROBOSCOPIC DISC

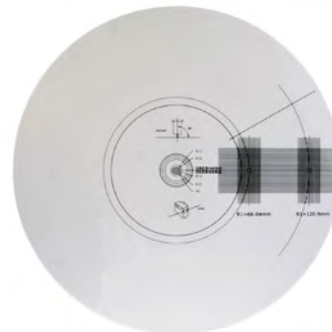
This Acrylic Stroboscopic Disc is an easy to use tool to check your turntable speed.

Speeds 33 $\frac{1}{3}$ , 45 and 78 RPM

50Hz and 60Hz markings.

Flip side has a cartridge alignment protractor.

Code  
RC-110



## SLEEVES FOR VINYL RECORDS

### HDPE FILM PROTECTIVE JACKETS

Standard LP record storage sleeves.  
Protect record from aging effects of dust,  
moisture and scratches. 100 Pieces each.

### OUTER JACKET ALBUM COVER CLEAR SLEEVE

Size  
320x325mm

Code  
LPS-005



### SQUARE SLEEVES 50 / 65 Micron HDPE Film

Order one to receive a pack of 100 pieces.  
LP Size 305x310mm.

Size  
305x310mm

Code  
LPS-003



### ROUND BOTTOM SLEEVES 40 micron HDPE Film

Order one to receive a pack of 100 pieces.  
LP Size 305x305mm with a round bottom.

Size  
305x305mm

Code  
LPS-002



ALBUMS NOT INCLUDED





## □ Cartridge

### ORTOFON 2M CARTRIDGE SILVER

#### ELLIPTICAL STYLUS

2M Silver phono cartridge is an OEM model that takes most of the characteristics of the 2M Red. 2M Silver's special feature is silver plated copper coils. Tracking force = 1.8g and output of 5.5mV . 20Hz-20KHz. Elliptical tip. Mounting screws are included.

**ortofon**  
accuracy in sound

Code  
2M-SLV



### ORTOFON OMB-10 CARTRIDGE

#### SUPER OM10 ELLIPTICAL STYLUS

Thorens®, Rega-Planar®, etc.  
Elliptical 20Hz-22KHz  
4.0mV Output  
Separation 30dB(1kHz)  
Balance 1.5dB  
Tracking 1.25 - 1.75g  
Weight 5.0g  
Screws not included

**ortofon**  
accuracy in sound

Code  
OMB10



### ORTOFON OMB-5 CARTRIDGE

#### WITH OM5 CONICAL/SPHERICAL STYLUS

Premium grade stylus from the leader in European pick-ups.  
Conical 20Hz-20KHz  
Output 4.0mV  
Separation 22dB(1kHz)  
Balance 2dB  
Tracking 1.75g  
Weight 5.0g  
Screws not included

**ortofon**  
accuracy in sound

Code  
OMB5



#### SCREW PAIR

Code  
PCT202



### MAGNETIC CARTRIDGE JAPAN

Replacement Diamond Stylus and Cartridge. Suitable for many Nippon turntable assemblies. Standard Screws inc. Made In Japan.

Stylus Tip. Diamond  
Moving Magnet [MM]  
Cartridge Weight 4.2g  
Output 2mV  
Freq. 20-20KHz  
Separation. 15dB  
Balance. Below 2dB  
Tracking Force. 2g

Code  
PC61



#### REPLACEMENT STYLUS

Code  
ST61

### CERAMIC CARTRIDGE MODERN

#### POPULAR ECONOMY

Widely used stylus Snap-fit type  
base Removable coupling

Code  
PC30



#### REPLACEMENT STYLUS

Code  
D1262

### BSR CERAMIC CARTRIDGE

#### WITH MOUNTING ADAPTOR

Ceramic pickup w/ diamond BSR  
SR78, ST16, 17, etc.  
Single screw hold type

Code  
PC05



#### REPLACEMENT STYLUS

Code  
D475



### CERAMIC CARTRIDGE GARRARD

#### STEREO CARTRIDGE

Replacement cartridge with stylus for  
Garrard KS40A, KS41B & many more.

Code  
PC06



#### REPLACEMENT STYLUS

Code  
D444

### CERAMIC CARTRIDGE STEREO

Screw down base  
Stereo Ceramic

Code  
PC23



Metal Clip Base  
Stereo Ceramic

Code  
PC24

#### REPLACEMENT STYLUS

Code  
D325



#### MONO Two pins only

Code  
PC01







## CARTRIDGE HEAD SHELL

Light weight Aluminium Four Pin Bayonet arm attachment which is standard on most tone arms.  
eg. Thorens®, Technics 1200, etc.  
Accepts any standard cartridge.  
eg. OMB10, PC61, V15, etc.  
Includes four connection Leads.  
Tin Connectors. 7.5g

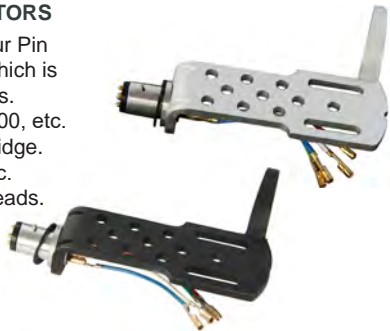


Colour	Code
Silver	HS10SV
Black	HS09BK

## CARTRIDGE HEAD SHELL

### GOLD PLATED CONNECTORS

Light weight Aluminium Four Pin Bayonet arm attachment which is standard on most tone arms.  
eg. Thorens®, Technics 1200, etc.  
Accepts any standard cartridge.  
eg. OMB10, PC61, V15, etc.  
Includes four connection Leads.  
Gold contacts. 9.5g



Colour	Code
Silver	HSE3SV
Black	HSE3BK

## BULLS EYE SURFACE LEVEL

### ORTOFON SPIRIT LEVEL

Deluxe Turntable Type  
Base diameter is 25mm  
As used on plinths, etc.



Code
PCT230

### SCREW BASE

45mm base w/ screw holes.



Code
HT6451

## ALIGNMENT PROTRACTOR

Adjust your stylus angle and position for minimum tracking error across the whole record. Vital piece of equipment for proper setup of your turntable. You will notice it in the improved stereo imaging.

Code
PCT210



## CARTRIDGE ALIGNMENT PROTRACTOR

This easy to use cartridge alignment protractor helps you to properly set your cartridge offset and overhang. Optimised for playing the standard 12" LP record. Mirror type.



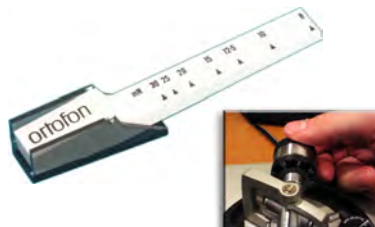
Code
CA-001

## STYLUS GAUGE

### OEM ORTOFON

Adjusts stylus weight precisely and easily.

Dial is In Newtons. [10x mN to the gram] ie. 1g = 10mN



Code
PCT220

## CARTRIDGE WIRES X4

### PRE-MADE HEADSHELL LEADS

Four colour coded wires with tinned and gold plated spade connectors.

Type	Length	Code
Tin Plated	25mm	AS-02
Gold Plated	30mm	AS-02G



## HEADSHELL SCREWS SET UNIVERSAL

### MOUNTING BITS

3 pair of stainless steel screws with nuts & nylon washers.  
Up to 15mm mounting.



Code
AS-01

## HEADSHELL SCREW SET

### SCREW PAIR

A pair of screws & nuts.  
Up to 6.5mm mounting.



Code
PCT202

## WEIGHT / SPACER

Add 2.25g / 2.5mm to modify stylus mounting.



Code
PCT225

## MECHANICALS GREASE

### REPAIRERS & RESTORERS

Rebuilding an older turntable mechanism requires optimum lubricants & Grease.  
Get decades of service using only the best.

### PLASTICS GREASE

Plastic to Plastic or Metal.

Size	Code
35ml	SPG35SL

### MOLYKOTE DX PASTE

White grease for Surfaces & Bearings.

Size	Code
50g	MK6195

### BR-2 PLUS GREASE MoS2

Metal bearings, etc.

Size	Code
100g	LM47

### RUBBER ROLLER RESTORER

Restore texture and prolong the life of synthetic rubber. Electrolube. Aerosols are transported by road.

Size	Code
250ml/195g	RRR250

MORE SERVICE TOOLS AVAILABLE:  
TOOLS & TEST EQUIPMENT SECTION





## □ Audio Parts General □ Blank Media

### RECORDABLE MINI DISC

For Recording & Playback.  
Hard Cover.

Time	Brand	Code
80 min	LaserCo	MD80

Brand may change.



### AUDIO TAPE MAXELL 60 MIN

Blank cassette. Brand may change depending on stock.

Time	Code
60 min	MAX60



### CD-R BULK

Description	Brand	Code
CDR TDK Spindle 10pcs.	TDK	CDR300
CDR TDK Spindle 50pcs.	TDK	CDR500
CDR Printable 50pcs.	Philips	CDR501



### AUDIO TAPE MAXELL 90 MIN

Blank cassette. Brand may change depending on stock.

Time	Code
90 min	MAX90H



### MICROCASSETTES

As used in Dictation & answer machines, etc.  
30min SP each side.

Time	Code
30 min	MC60X1



### CD-RW REWRITABLE BLANK CD

#### CD-RW JEWEL CASED SINGLES

For Audio &/or Data re-writables  
Includes standard storage case

Brand	Verbatim
Code	CDRW102



### VIDEO CASSETTES BLANK

Description	Time	Code
VHS Maxell	180 min	ME180GX
VHS Maxell	240 min	ME240GX
Super-VHS	180 min	SVHS240
Mini-DV HD	94minLP 63minSP	DVM63HD
Mini-DV	90minLP 60minSP	DVC090
Mini-DV	83minLP 55minSP	DVM83PQ
Sony 8mm	85 min	V8085



Note: Brands supplied may change depending on stock availability.



### CD-R MUSIC STORAGE MEDIA 80 MIN

Designed for use in audio recorders bearing the "Compact Disc Digital Audio Recordable" logo and PC-based CD-recorders, these discs provide the perfect media solution for customers looking to create high-quality custom music CD's. Music CD-R media stores up to 700MB or 80 minutes of CD-quality audio on a single disc. These are one-time record discs, ensuring that your recording is permanent, and cannot be erased. 48 Speed. 80min.

700MB/80 minute storage capacity  
Compatible with CD drives up to 40X speed

High fidelity music recording – ideal for backing-up your music collection

Designed for use in recorders bearing logo "Compact Disc Digital Audio Recordable"

Pack of	Code
One	CDR902



### EMPTY COVER

Video cassette storage case for VHS and BETA.  
Fitted with a clear outer sleeve for the movie jacket.

Code
VCC4







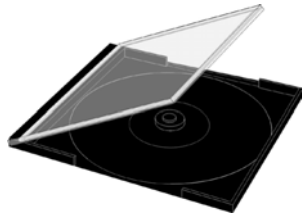
## Media Storage Cases

### CD JEWEL CASE

#### COMMON JEWEL CASE

Colour	Code
Black	JWL1B
Clear	JWL1C

**BUY IN BULK AND SAVE!  
PLEASE ENQUIRE**



### POLYCARBONATE CASE

Special type opaque non-breakable CD case Suit transporting in Backpacks or post Standard CD sized Never break again!

Code
MK31C



### SLIM JEWEL CASE

#### SINGLE HALF-HEIGHT

Hard plastic CD Cover Half standard thickness Clear door

Colour	Code
Clear	JWLS1C
Black	JWLS1B

CD/DVDs Not Included.



### DOUBLE JEWEL CASE

#### DOUBLE REPLACEMENT

Holds Two CDs & Book  
Hard plastic CD Cover  
Music CD Replacement

Colour	Code
Clear	JWL2C
Black	JWL2B



### CLAM-SHELL CASE

#### COMPACT SLIM SIZE

Code
CDS1CS

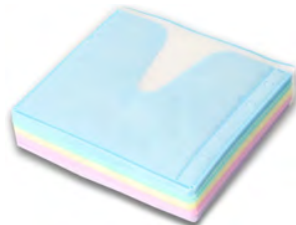


### COLOURED SOFT CD/DVD SLEEVES X50

#### DOUBLE SIDED

Transparent plastic double-sided sleeves. Non-scratch cotton inner. With binder tab spine. Buy 1 to receive 50

Pack of	Code
x50	CDS50DS



### CD SLEEVES

#### PAPER ENVELOPE

QTY	Code
50pcs	CDSPP100



#### PVC SLEEVE

QTY	Code
100pcs	CDS100

### CD PLAYER CARRY CASE

Polyurethane Leather. Tough outer padding. Two zipped compartments. One for 12 CDs and their in-lays, the other the CD player with cable access. Shoulder strap, carry handle, belt clip or bum bag.

Code
CDP12B

CD Player & CDs Not Included



### CD HARD COVER STORAGE

#### FIRM PLASTIC ZIP-CASE

Excellent hard-cover case ideal for the car, etc.

Code
CDH24GG



### 96 CD & DVD ALBUM

High quality and a durable deluxe build. Holds up to 96 CD or DVD in protective sleeves. Zips-up. Carry handle. Weather resistant, tough.

Code
CDW96B

CD & DVDs Not Included



### STORAGE WALLET 240

#### CD & DVD ALBUM

Sleeve Carry case  
300x300x100mm Black  
Tough no-tear padded material with zippers

Code
CDW240



## Adaptors and Converters

### CASSETTE ADAPTOR

#### 3.5MM AUTO TO CASSETTE

Allows an older cassette car stereo to accept an input from a portable unit like iPod®, MP3, etc. Transmits stereo through the cassette deck.

#### Single Head

One side / direction

Code
HN-1205

#### Twin Head

Auto reverse

Code
HN-1206



Products Not Included



## Service Aids & Tools

### CLEANING SWAPS

MORE SEE TOOLS SECTION

#### CHAMOIS TIPS™

Ultra-Clean flat swab for Video Heads & Optical pick-ups.

##### Code

CC50



#### COTTONTIPS™

Pharmaceutical grade extremely soft, absorbent, rigid shaft.

##### Description Code

Single ended CT100

Single ended CT5000

Double ended CT2000



#### DAICHI 75mm CHAMOIS SWAB

High quality synthetic chamois tipped with 45° angled shaft. Gives easy reach, non-abrasive cleaning for video heads, etc. Approx. 75mm length

##### Code

VCS10



#### DAICHI COTTON BUDS

Ridged wooden shaft white cotton tipped

##### Code

ACS100



#### DAICHI FOAM TIP

Ridged wooden shaft Tipped with a sponge Foam applicator.

##### Code

VCS20



#### FOAMTIPS™

Lint-free non-abrasive cellular urethane cleaning swabs.

##### Code

CF50



### AUDIO / VIDEO HEAD CLEANER

#### RF CHEMICAL TECHNOLOGY

Fast drying solvent for use on magnetic tape heads to maintain peak performance. Clean sharp images. Clear sound reproduction.

##### Size Code

250ml/175g RF60

Highly flammable. Send by road transport only.



SEE TOOL SECTION FOR MORE...

### CD & DVD DISC SURFACE REPAIRER

#### HAND OPERATED CLEANING DEVICE

Insert scratched disc, Apply the special fluid Close and turn the handle! Repairs general light duty scratches that may hinder correct playing of both DVDs, CDs and software too. Two types of cylinder rollers one for surface repair and another for general cleaning.

##### Code

PC-7091



CD & DVDs Not Included

#### REPLACEMENT PARTS

One of each roller  
Plus Cleaning fluid

##### Code

RP7091R



### ADVANCED CLEANING CLOTH

#### NO-SCRATCH CLOTH

Special material cloth for cleaning opticals like camera and laser lenses, glasses, etc. Non-abrasive cleaning of plastics like CDs, DVDs, Screens, etc. No lint. No residue. Made in Japan.

##### Size

150x150mm

##### Code

CLN1515



#### ISOPROPYL ALCOHOL

##### Type

Bottle 20ml

##### Code

CS500



### CD & DVD LENS CLEANER

Will clean a CD laser lens without having to dismantle the player. This unique disc has narration and music. Simply insert the disc, press play and a voice will guide you through the process! Although primarily a CD, this will clean DVD players (single laser).

##### Code

HN3103



### CD & DVD LENS CLEANER - LENSCLENE

#### CD & DVD & BLU-RAY PLAYERS

An optical lens-cleaning disk which is fitted with two micro-brushes for safe and effective dust removal.

##### Code

ABDC000



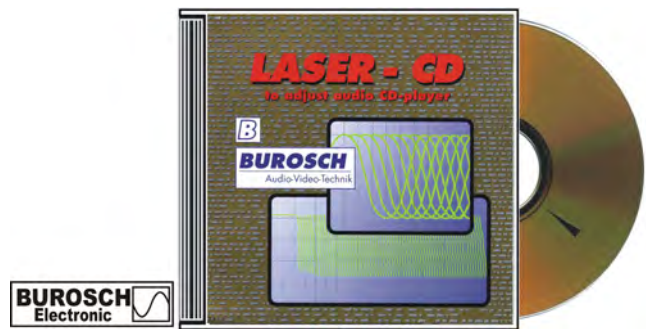




## TRACK & FOCUS OFFSET/GAIN ADJUST

This CD is made in Germany and is DDD. With instructions. 78 min, 45 tracks, of 1KHz 0dB Sine wave with intentional errors to test and align a CD players error tracking & gain. Error Area in Information Layer 0.2mm to 3mm in 0.1mm steps Black line on readout side 0.2mm to 3mm in 0.1mm steps. Save time and effort in CD laser assessment and adjustment. Instruction booklet gives you detailed explanations with diagrams and helpful references to assist you in making the most from this handy test device.

Code  
LASERCD



## SOUND LEVEL METER

### LUTRON DIGITAL MEASUREMENT

This unit is designed to meet IEC651 type 2 testing standards. A premium audio level instrument Precision calibrated (Certified) with A & C Weighting (Filter), Fast/Slow time response with Hold. Large 3½ Digit LCD Numeric Display 3.5mm output to analyzer, etc. Camera stand mount socket Includes a plastic carrying case Range: 80dB, 100dB, 130dB max Flat F' Range: 31.5Hz - 8KHz size: 225x70x28mm

Code  
SL4011



## DAYTON CALIBRATED MICROPHONE

Turn your iPad®, iPhone®, or iPod® touch into a laboratory grade audio measurement device with a calibrated measurement microphone. Do a search in your favourite Apps store for compatible software. Excellent solution for room calibration, speaker analysis for installers, PA, roadies, hobbyist.

Code  
IMM6



Phone Not Included



<http://www.daytonaudio.com>

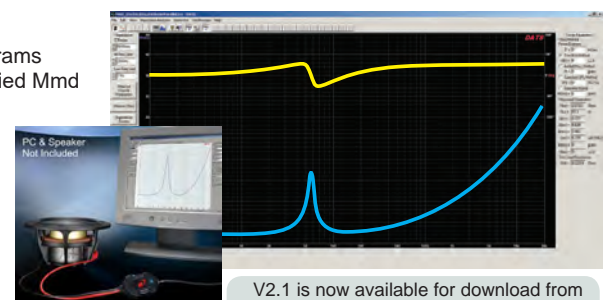
## DAYTON AUDIO TEST SYSTEM DATS-V2

### SPEAKER DRIVER PARAMETER ANALYSIS

The most complete and easy-to-use audio test system tool kit yet! Dayton Audio's DATS-V2 is a powerful, versatile measurement and analysis device — use it and build better loudspeaker systems!

Compact USB interface with alligator test leads for easy setup and application  
No microphone required. All measurements done across the speaker terminals  
Simple calibration procedure for accurate speaker parameter measurements  
Software signal generator with selectable waveform, frequency, and amplitude  
Sine, square, triangle, saw tooth, impulse, pink noise, and log sweeps  
Oscilloscope with dual traces and adjustable time and amplitude scales  
Data can be printed or saved to create a driver parameter library  
Parameters can be exported to WinSpeakerz and other popular box design programs  
Measures Vas using added mass, test box, SPL method, or calculate from specified Mmd  
Straight forward, easy-to-use measurement software for the DIY speaker builder  
Operates on Windows® 98 up to Windows® 10 with a USB 2.0 port.  
Software included. Updates are available online.

Code  
DATS-V2



<http://www.daytonaudio.com/index.php/dats-dayton-audio-test-system.html>  
[http://www.parts-express.com/videos/video.cfm?Video\\_ID=596](http://www.parts-express.com/videos/video.cfm?Video_ID=596)  
<https://www.trueaudio.com/dats/>

V2.1 is now available for download from  
<https://www.trueaudio.com/dats/>





## □ Telescopic Antenna

### TELESCOPIC ANTENNA

All dimensions are measured in millimetres.

EXT: Length extended.  
SECT: Number of sections.

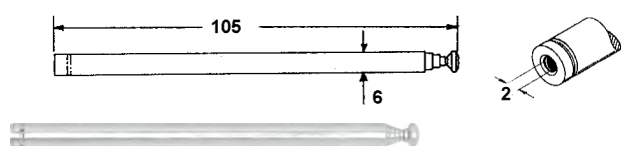


Remember: Although the base may differ from yours, the antenna may be interchangeable.(or Vice-Versa)

### TELESCOPIC ANTENNA 105mm

EXT: 475mm  
SECT: 6

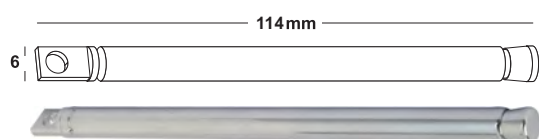
Code  
ANT114



### TELESCOPIC ANTENNA 114mm

EXT: 400mm  
Section: 5

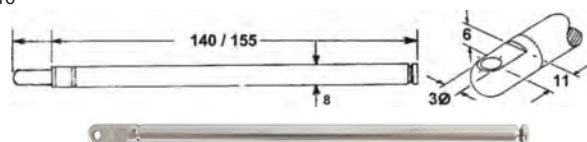
Code  
ANT141



### TELESCOPIC ANTENNA 140mm

EXT: 725mm  
SECT: 6

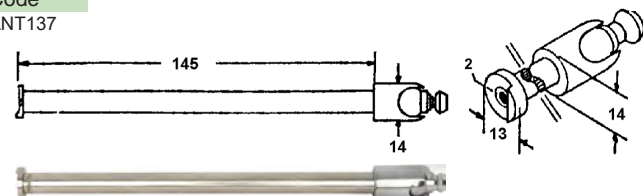
Code  
ANT116



### TELESCOPIC ANTENNA 145mm

EXT: 920mm  
SECT: 7

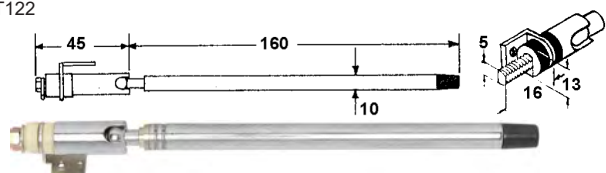
Code  
ANT137



### TELESCOPIC ANTENNA 160mm

EXT: 1225mm  
SECT: 10

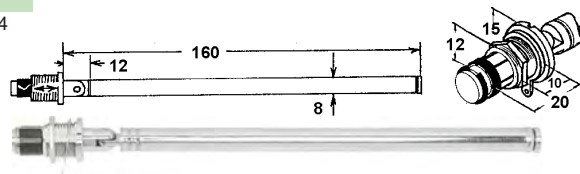
Code  
ANT122



### TELESCOPIC ANTENNA 160mm

EXT: 950mm  
SECT: 8

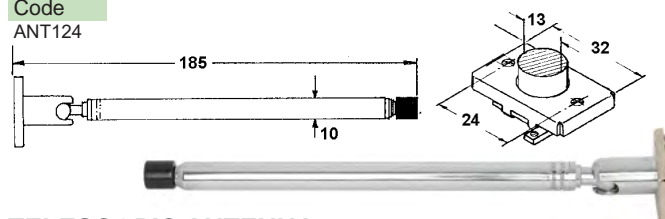
Code  
ANT104



### TELESCOPIC ANTENNA 185mm

EXT: 1100mm  
SECT: 10

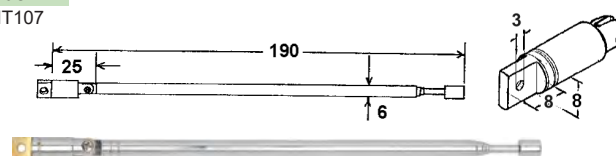
Code  
ANT124



### TELESCOPIC ANTENNA 190mm

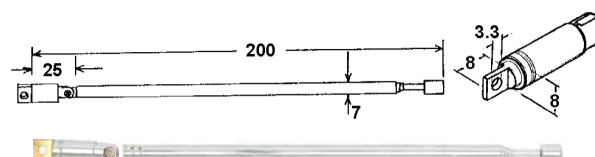
EXT: 750mm  
SECT: 6

Code  
ANT107



### TELESCOPIC ANTENNA 200mm

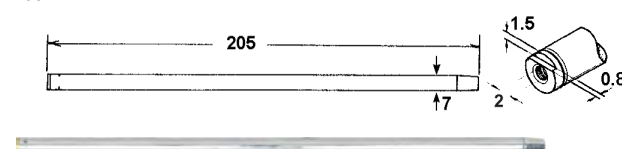
Code  
ANT126



### TELESCOPIC ANTENNA 205mm

EXT: 1000mm  
SECT: 7

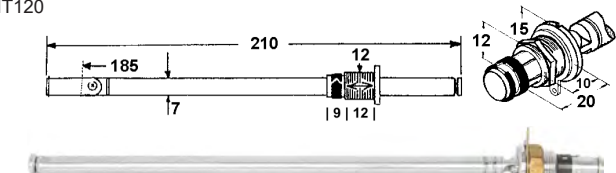
Code  
ANT105



### TELESCOPIC ANTENNA 210mm

EXT: 925mm  
SECT: 7

Code  
ANT120



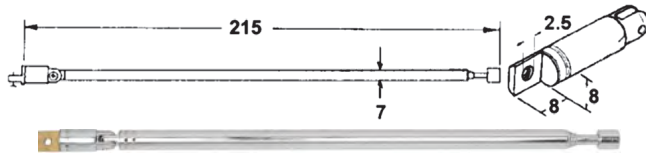




## TELESCOPIC ANTENNA 215mm

EXT: 800mm  
SECT: 5

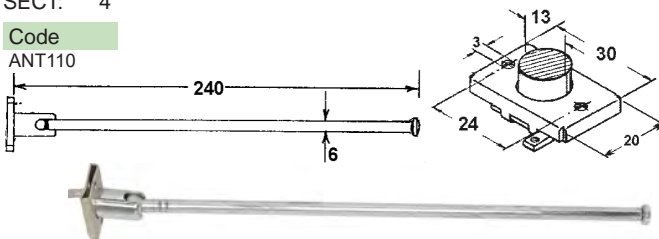
Code  
ANT132



## TELESCOPIC ANTENNA 240mm

EXT: 750mm  
SECT: 4

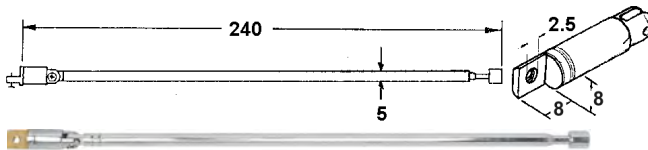
Code  
ANT110



## TELESCOPIC ANTENNA 240mm

EXT: 575mm  
SECT: 3

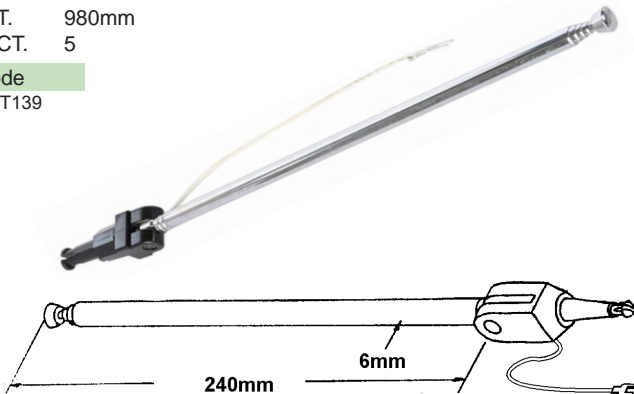
Code  
ANT131



## TELESCOPIC ANTENNA 240mm

EXT: 980mm  
SECT: 5

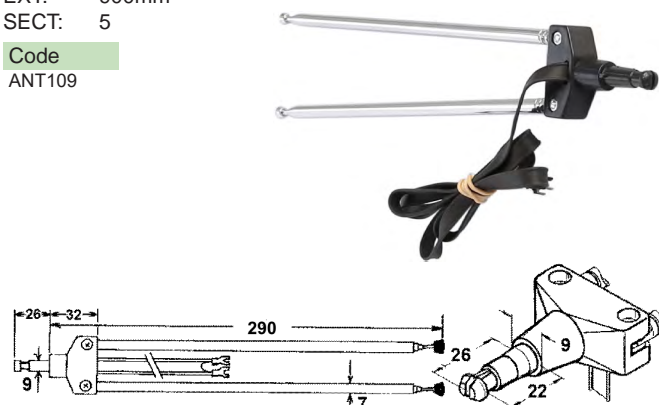
Code  
ANT139



## TELESCOPIC ANTENNA 290mm [x2]

EXT: 900mm  
SECT: 5

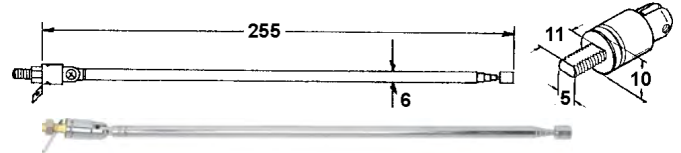
Code  
ANT109



## TELESCOPIC ANTENNA 255mm

EXT: 1000mm  
SECT: 5

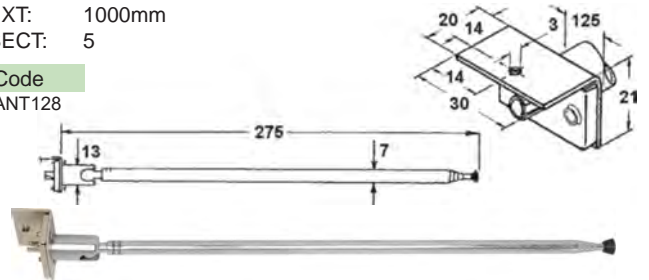
Code  
ANT130



## TELESCOPIC ANTENNA 275mm

EXT: 1000mm  
SECT: 5

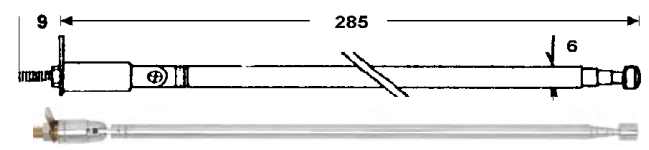
Code  
ANT128



## TELESCOPIC ANTENNA 285mm

EXT: 1000mm  
SECT: 5

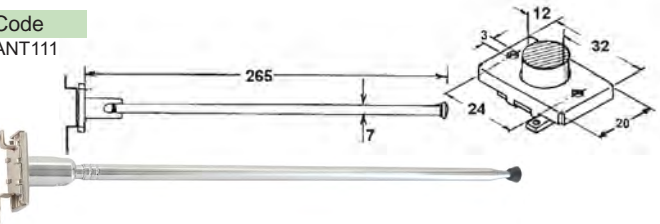
Code  
ANT135



## TELESCOPIC ANTENNA 265mm

Extension: 1050mm  
Sections: 5

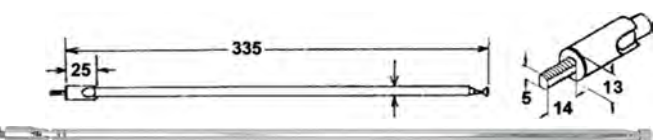
Code  
ANT111



## TELESCOPIC ANTENNA 335mm

EXT: 1150mm  
SECT: 4

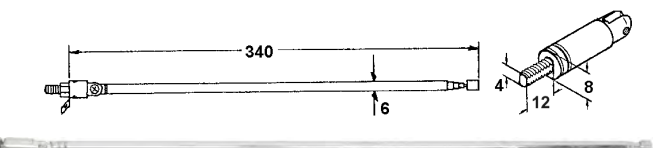
Code  
ANT103



## TELESCOPIC ANTENNA 340mm

EXT: 960mm  
SECT: 3

Code  
ANT125





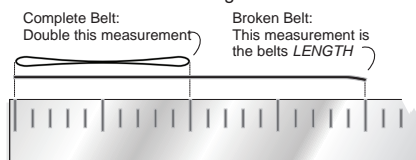
## Belts

### BELT SIZES

**CODE =  
DIAMETER**

#### HOW TO MEASURE

If the belt is broken, measure its LENGTH in mm.  
If the belt is unbroken, then squish the belt flat, measure and double this to get LENGTH.



Remember to allow for the old belt to have been stretched.

### SQUARE SECTION 0.8mm<sup>2</sup>

Diam.	Length	Code
10 mm	31 mm	10X.8
12 mm	38 mm	12X.8
13 mm	41 mm	13X.8
15 mm	47 mm	15X.8
17 mm	54 mm	17X.8
19 mm	60 mm	19X.8
22 mm	69 mm	22X.8
25 mm	79 mm	25X.8
27 mm	84 mm	27X.8
31 mm	97 mm	31X.8
33 mm	103 mm	33X.8
35 mm	110 mm	35X.8
37 mm	116 mm	37X.8
40 mm	125 mm	40X.8
43 mm	135 mm	43X.8
46 mm	144 mm	46X.8
49 mm	154 mm	49X.8
51 mm	160 mm	51X.8
54 mm	169 mm	54X.8
57 mm	179 mm	57X.8
60 mm	188 mm	60X.8
63 mm	198 mm	63X.8
66 mm	207 mm	66X.8
69 mm	216 mm	69X.8
72 mm	226 mm	72X.8
75 mm	235 mm	75X.8

### SQUARE SECTION 1.0mm<sup>2</sup>

Diam.	Length	Code
10 mm	31 mm	10X1
12 mm	38 mm	12X1
13 mm	41 mm	13X1
15 mm	47 mm	15X1
17 mm	54 mm	17X1
19 mm	60 mm	19X1
22 mm	69 mm	22X1
25 mm	79 mm	25X1
27 mm	84 mm	27X1
31 mm	97 mm	31X1
33 mm	103 mm	33X1
35 mm	110 mm	35X1
37 mm	116 mm	37X1
40 mm	125 mm	40X1
43 mm	135 mm	43X1
46 mm	144 mm	46X1
49 mm	154 mm	49X1
51 mm	160 mm	51X1
54 mm	169 mm	54X1
57 mm	179 mm	57X1
60 mm	188 mm	60X1
63 mm	198 mm	63X1
66 mm	207 mm	66X1
69 mm	216 mm	69X1
72 mm	226 mm	72X1
75 mm	235 mm	75X1
122 mm	380 mm	122X1

### SQUARE SECTION 1.2mm<sup>2</sup>

Diam.	Length	Code
10 mm	31 mm	10X1.2
12 mm	38 mm	12X1.2
13 mm	41 mm	13X1.2
15 mm	47 mm	15X1.2
17 mm	54 mm	17X1.2
19 mm	60 mm	19X1.2
22 mm	69 mm	22X1.2
25 mm	79 mm	25X1.2
26.5 mm	*Clarion	26.5X1.2
27 mm	84 mm	27X1.2
31 mm	97 mm	31X1.2
33 mm	103 mm	33X1.2
34 mm	107 mm	34X1.2
35 mm	110 mm	35X1.2
37 mm	116 mm	37X1.2
40 mm	125 mm	40X1.2
43 mm	135 mm	43X1.2
46 mm	144 mm	46X1.2
49 mm	154 mm	49X1.2
51 mm	160 mm	51X1.2
54 mm	169 mm	54X1.2
57 mm	179 mm	57X1.2
60 mm	188 mm	60X1.2
63 mm	198 mm	63X1.2
66 mm	207 mm	66X1.2
69 mm	216 mm	69X1.2
72 mm	226 mm	72X1.2
73 mm	229 mm	73X1.2
75 mm	235 mm	75X1.2
80 mm	251 mm	80X1.2
85 mm	267 mm	85X1.2
90 mm	282 mm	90X1.2
95 mm	298 mm	95X1.2
97 mm	305 mm	97X1.2
100 mm	314 mm	100X1.2
105 mm	330 mm	105X1.2
110 mm	346 mm	110X1.2
115 mm	361 mm	115X1.2
116 mm	**Philips	116X1.25
121 mm	380 mm	121X1.2
127 mm	399 mm	127X1.2
131 mm	412 mm	131X1.2
136 mm	427 mm	136X1.2

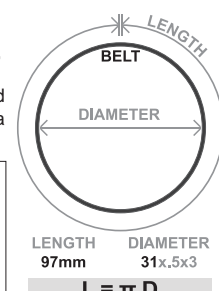
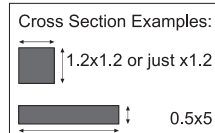
### SQUARE SECTION 1.4mm<sup>2</sup>

Diam.	Length	Code
10 mm	31 mm	10X1.4
12 mm	38 mm	12X1.4
13 mm	41 mm	13X1.4
15 mm	47 mm	15X1.4
17 mm	54 mm	17X1.4
19 mm	60 mm	19X1.4
22 mm	69 mm	22X1.4
25 mm	79 mm	25X1.4
27 mm	84 mm	27X1.4
30 mm	94 mm	30X1.45
31 mm	97 mm	31X1.4
33 mm	103 mm	33X1.4
35 mm	110 mm	35X1.4
37 mm	116 mm	37X1.4
37.3 mm	***Sony	37.3X1.6
40 mm	125 mm	40X1.4
43 mm	135 mm	43X1.4
46 mm	144 mm	46X1.4
49 mm	154 mm	49X1.4
51 mm	160 mm	51X1.4
54 mm	169 mm	54X1.4
57 mm	179 mm	57X1.4
60 mm	188 mm	60X1.4
63 mm	198 mm	63X1.4
66 mm	207 mm	66X1.4
69 mm	216 mm	69X1.4
72 mm	226 mm	72X1.4

### SQUARE SECTION 2.0mm<sup>2</sup>

Diam.	Length	Code
10 mm	31 mm	10X2
12 mm	38 mm	12X2
13 mm	41 mm	13X2
14 mm	44 mm	14X2
16 mm	51 mm	16X2
18 mm	57 mm	18X2
19 mm	60 mm	19X2
22 mm	69 mm	22X2
25 mm	79 mm	25X2
27 mm	84 mm	27X2
31 mm	97 mm	31X2
33 mm	103 mm	33X2
35 mm	110 mm	35X2
37 mm	116 mm	37X2
39 mm	120 mm	39X2
40 mm	125 mm	40X2
43 mm	135 mm	43X2
46 mm	144 mm	46X2
49 mm	154 mm	49X2
51 mm	160 mm	51X2
54 mm	169 mm	54X2
57 mm	179 mm	57X2
60 mm	188 mm	60X2
62.5 mm	195 mm	62.5X2
63 mm	198 mm	63X2
66 mm	207 mm	66X2
69 mm	216 mm	69X2
72 mm	226 mm	72X2
75 mm	235 mm	75X2
80 mm	251 mm	80X2
82 mm	258 mm	82X2
85 mm	267 mm	85X2
90 mm	282 mm	90X2
92 mm	289 mm	92X2
93 mm	292 mm	93X2
95 mm	298 mm	95X2
97 mm	305 mm	97X2
100 mm	314 mm	100X2
105 mm	330 mm	105X2
110 mm	346 mm	110X2
115 mm	361 mm	115X2
121 mm	380 mm	121X2
127 mm	399 mm	127X2

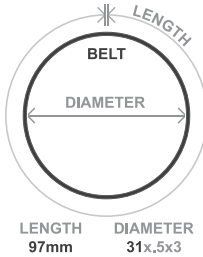
Note: When determining a replacement belts size, remember to allow for the possibility that the old belt has been stretched a little over time.







## BELT SIZES



Cross Section Examples:  
 1.2x1.2 or just x1.2  
 Square Section Belt  
 0.5x5  
 Flat Section Belt  
 The CODE is comprised of  
 DIAMETER x THICKNESS  
 eg. Code = 31x.5x3  
 Diameter = 31mm  
 Thickness = 0.5mm x 3mm  
 Length =  $\pi (r) \times \text{Diameter}$   
 Length =  $3.14 \times 31 = 97\text{mm}$

## FLAT SECTION BELTS 0.5x3mm

Diam.	Length	Code
18.5 mm	58mm	18.5X.5X3
31 mm	97mm	31X.5X3
33 mm	103mm	33X.5X3
35 mm	110mm	35X.5X3
37 mm	116mm	37X.5X3
43 mm	135mm	43X.5X3
46 mm	145mm	46X.5X3
49 mm	154mm	49X.5X3
51 mm	160mm	51X.5X3
54 mm	169mm	54X.5X3
57 mm	179mm	57X.5X3
60 mm	188mm	60X.5X3
63 mm	198mm	63X.5X3
66 mm	207mm	66X.5X3
69 mm	216mm	69X.5X3
72 mm	226mm	72X.5X3
75 mm	235mm	75X.5X3
80 mm	251mm	80X.5X3
85 mm	267mm	85X.5X3
90 mm	282mm	90X.5X3
95 mm	298mm	95X.5X3
100 mm	314mm	100X.5X3
105 mm	330mm	105X.5X3
110 mm	346mm	110X.5X3
115 mm	361mm	115X.5X3
121 mm	380mm	121X.5X3

## FLAT SECTION BELTS 0.5x4mm

Diam.	Length	Code
31 mm	97mm	31X.5X4
33 mm	103mm	33X.5X4
35 mm	110mm	35X.5X4
37 mm	116mm	37X.5X4
40 mm	125mm	40X.5X4
43 mm	135mm	43X.5X4
46 mm	145mm	46X.5X4
49 mm	145mm	49X.5X4
51 mm	160mm	51X.5X4
54 mm	169mm	54X.5X4
57 mm	179mm	57X.5X4
60 mm	188mm	60X.5X4
63 mm	198mm	63X.5X4
66 mm	207mm	66X.5X4
69 mm	216mm	69X.5X4
72 mm	226mm	72X.5X4
75 mm	235mm	75X.5X4
80 mm	251mm	80X.5X4
85 mm	267mm	85X.5X4
90 mm	282mm	90X.5X4
95 mm	298mm	95X.5X4
100 mm	314mm	100X.5X4
105 mm	330mm	105X.5X4
110 mm	346mm	110X.5X4
115 mm	361mm	115X.5X4
121 mm	380mm	121X.5X4
175 mm	550mm	175X.5X4
180 mm	565mm	180X.5X4
185 mm	581mm	185X.5X4
189 mm	593mm	189X.5X4
195 mm	612mm	195X.5X4
200 mm	628mm	200X.5X4
205 mm	644mm	205X.5X4
210 mm	659mm	210X.5X4

## FLAT SECTION BELTS 0.5x5mm

Diam.	Length	Code
120 mm	377mm	120X.5X5
126 mm	395mm	126X.5X5
132 mm	415mm	132X.5X5
143 mm	450mm	143X.5X5
150 mm	471mm	150X.5X5
160 mm	502mm	160X.5X5
170 mm	534mm	170X.5X5
175 mm	550mm	175X.5X5
180 mm	565mm	180X.5X5
185 mm	581mm	185X.5X5
189 mm	593mm	189X.5X5
195 mm	612mm	195X.5X5
200 mm	628mm	200X.5X5
205 mm	644mm	205X.5X5
210 mm	659mm	210X.5X5
222 mm	697mm	222X.5X5
238 mm	739mm	238X.5X5
262 mm	823mm	262X.5X5
292 mm	917mm	292X.5X5

### SUGGESTION:

Belt Missing?  
 Measure the  
 inner-platter  
 diameter !  
 This will give  
 you an approx'  
 Belt Diameter.  
 Pick the next size down.

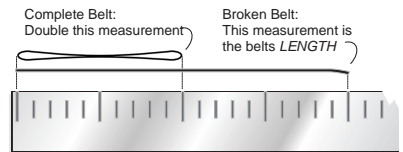


## FLAT SECTION BELTS 0.6x5mm

Diam.	Length	Code
31 mm	97mm	31X.6X5
35 mm	110mm	35X.6X5
37 mm	116mm	37X.6X5
40 mm	125mm	40X.6X5
43 mm	135mm	43X.6X5
46 mm	145mm	46X.6X5
51 mm	160mm	51X.6X5
54 mm	169mm	54X.6X5
57 mm	179mm	57X.6X5
60 mm	188mm	60X.6X5
63 mm	198mm	63X.6X5
66 mm	207mm	66X.6X5
69 mm	216mm	69X.6X5
72 mm	226mm	72X.6X5
75 mm	235mm	75X.6X5
80 mm	251mm	80X.6X5
85 mm	267mm	85X.6X5
90 mm	282mm	90X.6X5
95 mm	298mm	95X.6X5
100 mm	314mm	100X.6X5
105 mm	330mm	105X.6X5
110 mm	346mm	110X.6X5
115 mm	361mm	115X.6X5
120 mm	377mm	120X.6X5
126 mm	395mm	126X.6X5
132 mm	415mm	132X.6X5
143 mm	450mm	143X.6X5
150 mm	471mm	150X.6X5
160 mm	502mm	160X.6X5
170 mm	534mm	170X.6X5
175 mm	550mm	175X.6X5
180 mm	565mm	180X.6X5
185 mm	581mm	185X.6X5
189 mm	593mm	189X.6X5
195 mm	612mm	195X.6X5
200 mm	628mm	200X.6X5
205 mm	644mm	205X.6X5
210 mm	659mm	210X.6X5
292 mm	917mm	292X.6X5

## FLAT SECTION BELTS 0.6x6mm

Diam.	Length	Code
57 mm	179mm	57X.6X6
60 mm	188mm	60X.6X6
63 mm	198mm	63X.6X6
66 mm	207mm	66X.6X6
69 mm	216mm	69X.6X6
72 mm	226mm	72X.6X6
75 mm	235mm	75X.6X6
80 mm	251mm	80X.6X6
85 mm	267mm	85X.6X6
90 mm	282mm	90X.6X6
95 mm	298mm	95X.6X6
100 mm	314mm	100X.6X6
105 mm	330mm	105X.6X6
110 mm	346mm	110X.6X6
115 mm	361mm	115X.6X6
120 mm	380mm	120X.6X6
122 mm	385mm	122X.6X6
126 mm	395mm	126X.6X6
132 mm	414mm	132X.6X6
143 mm	449mm	143X.6X6
150 mm	471mm	150X.6X6
160 mm	502mm	160X.6X6
170 mm	534mm	170X.6X6
175 mm	550mm	175X.6X6
180 mm	565mm	180X.6X6
189 mm	593mm	189X.6X6
195 mm	612mm	195X.6X6
200 mm	628mm	200X.6X6
205 mm	644mm	205X.6X6
210 mm	659mm	210X.6X6



Remember to allow for the old belt to have been stretched.

## BELTS - MISC SIZES

Assorted less common cross-section sizes.  
 As used in VCR, CD, DVD, cassette and  
 also suitable for other applications.

Length	Suit	Code
55mm	Sanyo VCR VTC	17.6X1.65
58mm	Sharp CD Sled	18.5X.5X3
91mm	JVC HR7200, etc.	29X1.6
94 mm	NEC N901, 904, 911,...	30X1.45
104mm	Akai VCR VS1, 2, 3, 4, 5, 8,...	33X1.85
***Sony	Sony HD, HCDH, & Many others	37.3X1.6
195 mm	Daewoo NEC VN20,...	62.5X2
243mm	Sharp VCA220, 270, 420, 470	77.5X1.9
241mm	Akai VCR VS12,F10	77X1.8
258 mm	Samsung VB300, 306, 320, 336	82X2
289 mm	Sanyo VCR	92X2

## CAR AUTO-REVERSE 122x1

Popular belt used in many brands of  
 car cassette like Eurovox, Clarion,  
 and many others.

Code  
 122X1



## PHILIPS CAR PLASTIC MECH

Belt to suit popular mech P1.  
 See Fly wheels next page....

Code  
 116X1.25



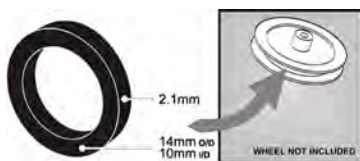


## □ Cassette Parts Misc

### CASSETTE IDLER TYRE

Suit Older mech's with jockey wheel type reel assemblies.

Code  
RT720



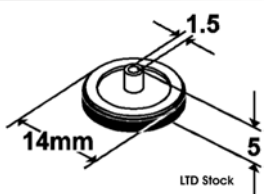
### IDLER TYRE - NAKAMICHI

Suit	O/D	I/D	Width	Code
Nakamichi DT series	32.95mm	28.50mm	1.9mm	RT3319



### CASSETTE IDLER

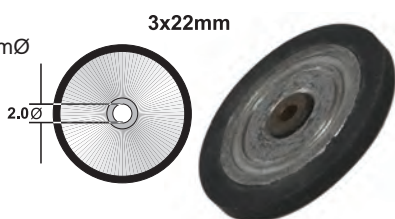
Code  
CIA718



### CLARION CASSETTE IDLER

Height = 3mm (Thick)  
Outside diameter = 22mmØ  
Hole = 2.0mmØ

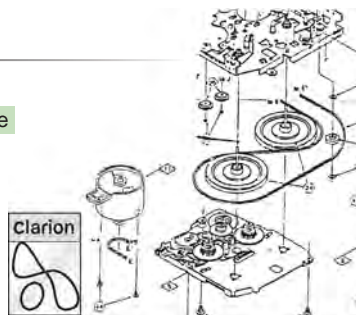
Code  
CIA725



### CLARION BELT KIT

25.6 x 1.2mm & 121.5 x 1.2mm

Suit	Code
430, 450, 650, 800, 900, 990, 9000E, 9061, PU9200...	CK2



### CLARION CAR STEREO

When replacing the motor SMA102101 with our substitute motor MMI-6S2L ( page 5-5 ) you will need a new pulley as the old one is not removable.

Suit	Code
PN9325D, etc.	MTP1001



### RUBBER ROLLER RESTORER

Restores textures to rubber rollers in office equipment and audio, etc. Prolongs the lifetime of rubber rollers, preventing costly replacement. Supplied in pump spray that leaves no residue. Dissolves ink, oil, grease and will remove general office dirt.

Size	Code
250ml/195g	RRR250

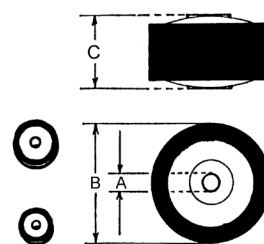


Aerosols are sent by road transport.

## □ Cassette Pinch Rollers

### NYLON PINCH ROLLERS

A	B	C	Code
1.5mm	9mm	6mm	CPR10
2mm	9mm	6mm	CPR14
1.5mm	10mm	6mm	CPR18
2mm	13mm	8mm	CPR24
2.5mm	13mm	8mm	CPR28



### CASSETTE PINCH ROLLER

Used in plastic decks where the shaft is a part of the roller.

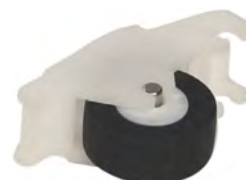
Code  
CPR16



### PHILIPS PINCH ROLLERS

Plastic mech P1, P6, etc.  
L & R the same.

Code  
CPR42



### PANASONIC PINCH ROLLER ARM

Popular Japanese Cassette Mechanism OEM Part

Code  
RXP0053



### PANASONIC PINCH ROLLERS

Popular Japanese Auto-Reverse Mechanism OEM Parts

Type	Code
Left	RXL0124
Right	RXL0125



### PHILIPS FLYWHEEL

Plastic mech P1, P6, etc.  
With or Without gear.

Original Part No	Type	Code
4822 528 80984	With gear	FW984
4822 528 80985	Without gear	FW985



Belt to suit

Code  
116X1.25



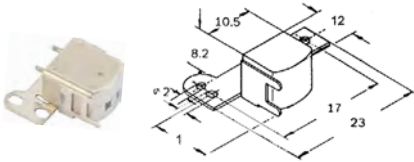


## □ Cassette Heads

### MONO RECORD PLAYBACK

7KHz +/- 4dB

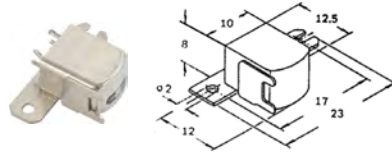
Code  
AH102



### STEREO RECORD/PLAYBACK

FOR HIFI USE  
10KHz +/- 3dB

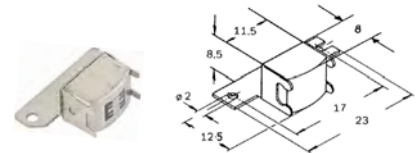
Code  
AH202



### AUTO REVERSE

(4 Track) Suit car stereo playback.  
10KHz +/- 4dB

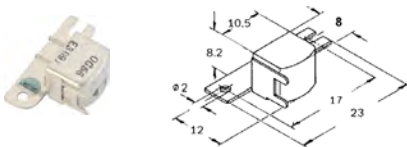
Code  
AH414



### MONO RECORD PLAYBACK

7KHz +/- 4dB

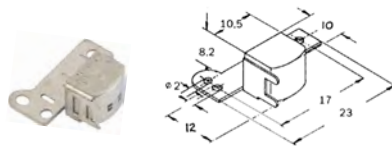
Code  
AH103



### STEREO RECORD/PLAYBACK

FOR HIFI USE  
10KHz +/- 3dB

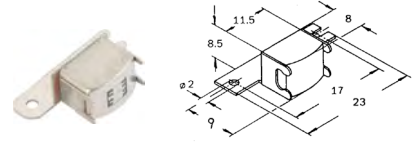
Code  
AH203



### AUTO REVERSE

(4 Track) Suit portables and Walkman™  
Playback. 10KHz +/- 4dB

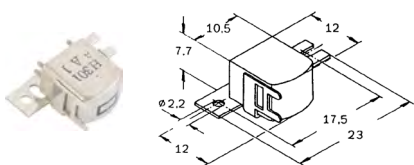
Code  
AH412



### 3 HEAD MONO

Record, Play & Erase in one.

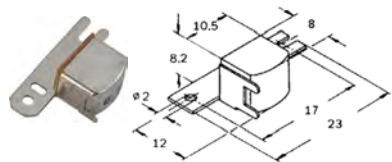
Original Part No	Equiv.	Code
WYO34AZ.	National	AH306



### STEREO RECORD/PLAYBACK

FOR HIFI USE  
10KHz +/- 3dB

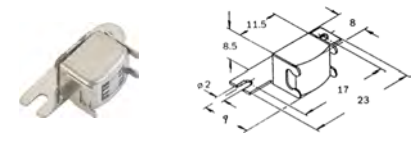
Code  
AH204



### AUTO REVERSE

(4 Track) RECORD/PLAYBACK  
SUITABLE FOR HIFI USE 12KHz +/- 3dB

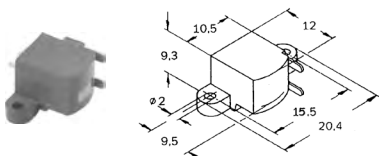
Code  
AH405



### AC ERASE HEAD

LOW IMPEDANCE  
APPROX 5Ω DC  
BLACK BODY

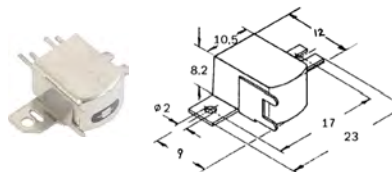
Code  
EH900



### SONY TYPE

Suit many Sony Rad/Cass  
recorders 10KHz +/- 3dB

Code  
AH128



### ADJUSTMENT LOCKING SEAL

Don't use my good Nail polish dear! Purpose  
made for locking adjustments, screws, etc.  
Tamper Evident Seal 15ml.

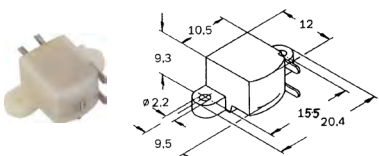
Colour	Code
Red	EBLR15
Green	EBLV15



### DC ERASE HEAD

HIGH IMPEDANCE APPROX 400ΩDC  
WHITE BODY

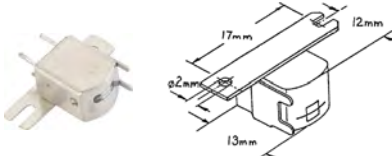
Code  
EH910



### UPSIDE DOWN TAPE HEAD

STEREO RECORD/PLAYBACK  
METAL BIAS 14KHz +/- 3dB

Code  
AH207



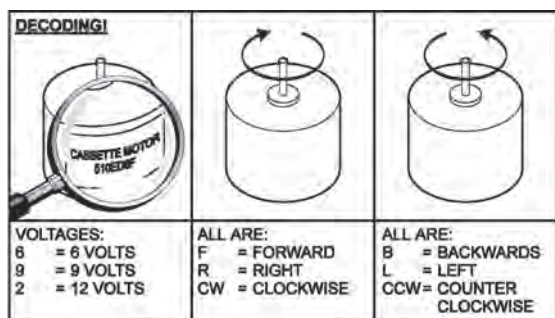




## Motor Electronic Governor

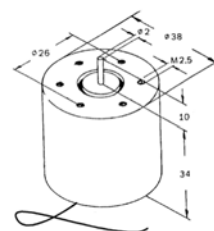
### ELECTRONIC GOVERNOR MOTOR

General purpose replacement motors designed for audio drive equipment. Truly universal motors whose features include universal mounting, easy speed adjustment via a preset potentiometer accessible through the bottom, lower wow and flutter, longer life, less vibration plus a standard spindle diameter allowing you to use the original pulley. Simply fit motor and adjust for correct speed. Simple, convenient, quick and reliable. These motors use solid state speed control. DO NOT reverse the input voltage polarity as damage to the electronic regulator will result and therefore, not be covered under warranty. The EG510ED series can be substituted by the smaller EG500AD & EG530AD series as the rotation specifications (speed) are identical for all 'EG' motors.



### MABUCHI EG510ED SERIES

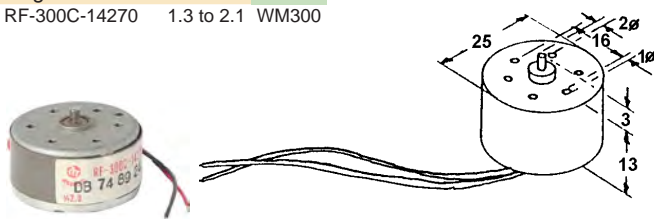
Voltage	Direction	Code
6V	CW	510ED6F
9V	CCW	510ED9B



### MABUCHI MINI MOTOR

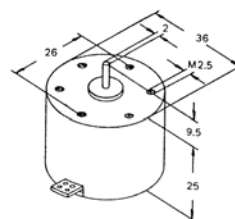
Used in walkman® and other applications where a small motor is required. Uni-Directional.

Original Part No	Volts	Code
RF-300C-14270	1.3 to 2.1	WM300



### MABUCHI EG500AD SERIES

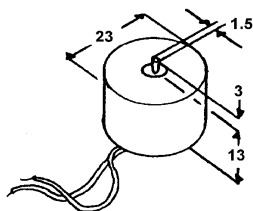
Voltage	Direction	Code
6V	CW	500AD6F
6V	CCW	500AD6B
9V	CCW	500AD9B
12V	CCW	500AD2B



### MATSUSHITA MINI MOTOR

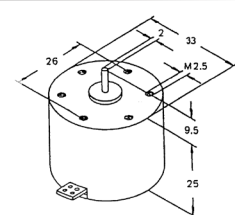
Used in walkman® and other applications where a 1.7V small motor is required. Uni-Directional.

Original Part No	Code
HDN-4A3LD	WM350



### MABUCHI EG530AD SERIES

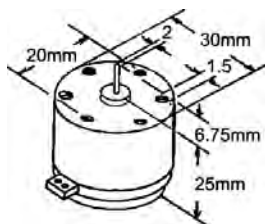
Voltage	Direction	Code
9V	CW	530AD9F
12V	CW	530AD2F



### CAR DECK MOTOR - ELECTRONIC GOVERNOR

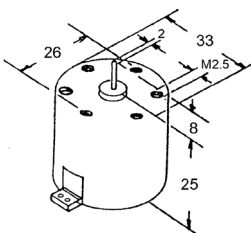
Replacement motor designed to suit car audio units. Counter Clock Wise (Left) 13V DC Electronic governor. Default Speed 2400 RPM (Adjustable).

Code
EG520ED3B



### MATSUSHITA MMI-6S SERIES

Voltage	Direction	Code
6V	CW	6S6R
6V	CCW	6S6L
9V	CW	6S9R
9V	CCW	6S9L
12V	CW	6S2R
12V	CCW	6S2L





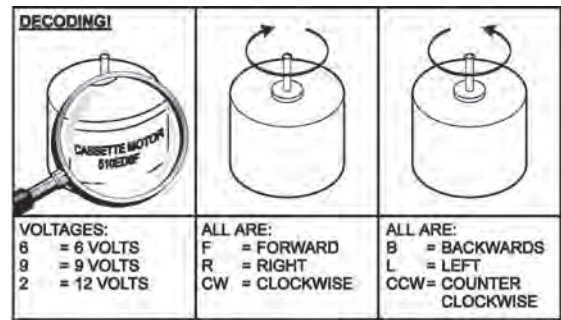


## □ Motor Dual Speed Electronic

### DUAL SPEED ELECTRONIC MOTORS

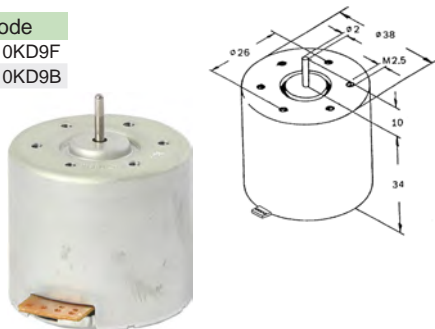
The following motors are widely used in dual deck units with high speed dubbing. More specific circuits for each motor is not available as they will vary from unit to unit. The information that is available we have supplied below for reference only and may vary slightly from the unit you are working on. Substitution is for the keen experimenter only! Unfortunately the manufacturer does not supply any resistor values for the circuits below.

NOTE!: Motors are stamped on the base with their pin connections, this may vary to what is indicated below. All our motors have been tested and the diagrams below are correct. The recommended course of action is to rewire up the new motor identically to the replaced motor, pin for pin.



### 510KD SERIES 1600/3200 RPM

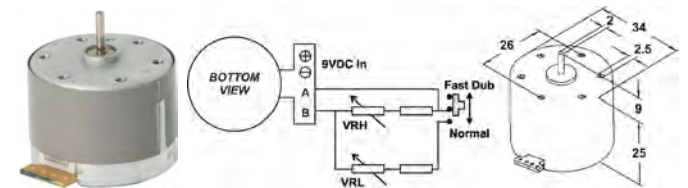
Voltage	Direction	Code
9V	CW	510KD9F
9V	CCW	510KD9B



### DUAL SPEED DUBBING MOTOR - 9V

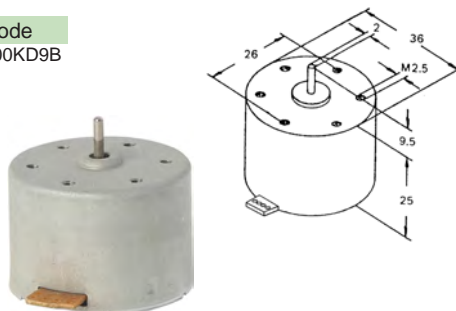
Used in mechanisms with one motor. Longer spindle length for two belt pulleys. The circuit is for a general guide only.

Voltage	Rotation	Code
9V	CCW (L)	6H9LWSK



### 500KD SERIES 1600/3200 RPM

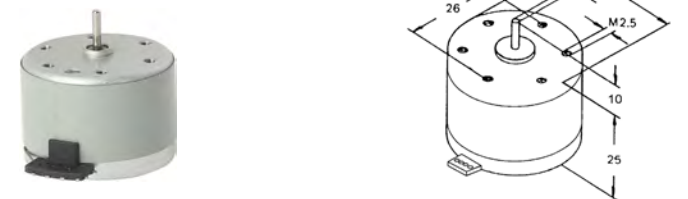
Voltage	Direction	Code
9V	CCW	500KD9B



### SHU SERIES DUAL SPEED

Sankyo cassette motors.

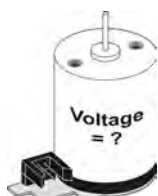
Voltage	Direction	Code
9V	CCW	SHU9L
12V	CW	SHU2R
12V	CCW	SHW2L



### SPECIALISED MOTORS

Some audio equipment may require a motor not found here. VCR "loading" motors and the like are also general purpose motors and substitutable in some audio units.

For a comprehensive VCR motor range please request a VCR Catalogue



VIDEO MOTORS  
ARE AVAILABLE



## □ DVD & CD Parts Motor DVD & CD

### CD MOTORS - RF300

Low-Profile OEM Mabuchi motors as in CD/DVD Suit car audio, Mini-HiFi, portables, etc.

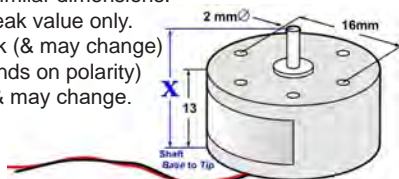
May substitute others with similar dimensions.

Drive Voltage (PWM) is a peak value only.

\*D/V is as listed on the stock (& may change)

Rotation is reversible (depends on polarity)

\*P/No. as on current stock & may change.



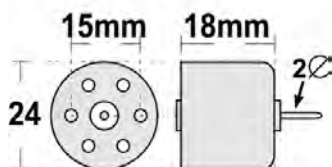
Original Part No	Spindle	D/V	Code
*RF-300C-11400W	19mm	3.0	RF300CA-19
*RF-300CA-11400	18mm	3.0	RF300CA-18
*RF-300CA-11400W	20mm	3.0	RF300CA-20
*RF-300FA-12350	20mm	5.9	RF300FA-20
*RF-300CA-11440	21mm	5.9	RF300CA-21
*RF-300FA-12350	28mm	5.9	RF300FA-28
MDN3 ST3 HS DS, RXQ0745B	28mm		MDN3ST3



### CD MOTORS - RF310

Genuine OEM Mabuchi motors as used in many CD/DVD Suit Tracking, loading and spindle drive, etc. May substitute others with similar dimensions. Due to these applications using PWM to operate, Drive Voltage specification is a peak value. \*D/V is as indicated on the stock Rotation CW. (to the Right as viewed from above)

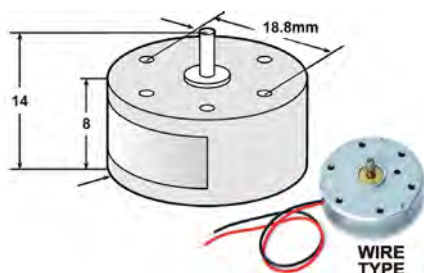
Spindle	D/V	Code
27mm	5.9	RF310-27
29mm	5.9	RF320-29
30mm	5.9	RF310-30
32mm	9.0	MTR310-32
38mm	5.9	RF310-38
43mm	5.9	RF310-43



### PANASONIC TRACKING MOTOR

MDN1 XL3 PDAS RXQ 70A7

Code  
MDN1XL3



### PORTABLE CD/DVD SPINDLE

Push-on disk holder.

Snap-lock hold type.

Suits 2mm spindle.

Playstation part, may suit other applications, but mostly portables.

When PS2 used with RF300-21 (8x2mm).

Code  
SPD440

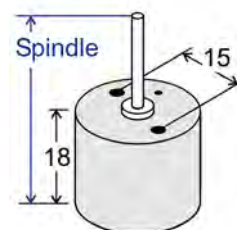


### CD MOTORS - MDN4RA

OEM Replacement motors for CD & DVD Tracking, loading or spindle drive, etc. May substitute similar dimension motors D/V=1.0 to 6.0V (3.0V Nom) 2500-3200 RPM

\*Specifications & OEM-P/No. may change

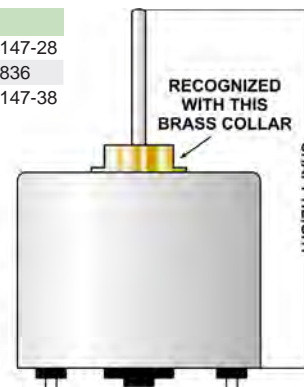
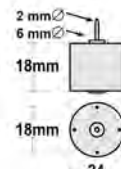
Original Part No	Spindle	D/V	Code
*MDN4RA-3ETA	30mm	6.0	MDN4RA-30
*MDN4RA-3NWAS	37mm	6.0	MDN4RA-37
*MDN4RA-3FTAS	42mm	6.0	MDN4RA-42



### SUNKO - BRASS COLLAR

Spindle Motors by Sunko OEM As used in Sharp Mechanisms (With Laser RCTRH 8147 AFZZ)

Original Part No	Spindle	Code
MM9G20T05-5	28mm	MTR8147-28
MM9G20T05-4	36mm	MTR1836
MM9G20T05-6	38mm	MTR8147-38



### DVD SPINDLE MOTOR

RF310-32 D/V 9.0

Common spindle motor Higher voltage (9V) for use with DVD

Original Part No	Spindle	D/V	Code
RF-310T-10470	32mm	9.0	MTR310-32

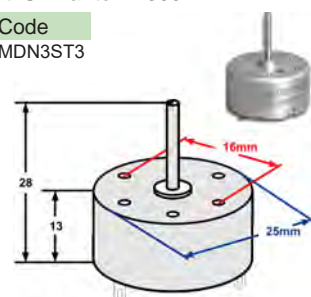


### DVD SPINDLE MOTOR - MDN3ST3

Panasonic DVD

Spindle motor. Repairs a popular fault. Similar to RF300

Original Part No	Body	Spindle	Code
MDN3 ST3 HS DS, RXQ0745B	24x8mm	28mm	MDN3ST3







## □ Motor DVD & CD

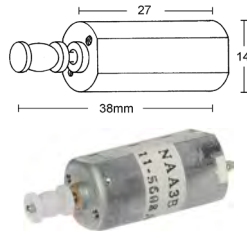
### CD SLED DRIVE MOTOR

Original Part No Suit Code  
RMOTV0334AF00 Sharp and other brands. NAA3B

### BELT TO SUIT

NBLTH0117AF22 18x0.5x3.0mm

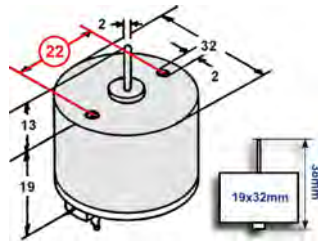
Code  
18.5X.5X3



### MULTI-DISC PLAYER MOTOR

Suit Pioneer PDM, etc. Loading motor and disc select motor.

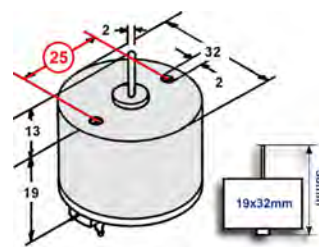
Original Part No Type Code  
PYY1025 22mm RF510-38



### MULTI-DISC PLAYER MOTOR

Suit Pioneer PDM, etc. Loading motor and disc select motor.  
(Bracket shown may not be supplied.)

Original Part No Type Code  
12VDC Matsushita. 25mm MEN7E2T5



### SONY CD MOTOR - SUPPLIED WITH MECH'

Spindle drive motor attached to frame.

Original Part No Suit Code  
RF310T11400, CDP190, MEC5233  
X-4917-523-3 C500/M,  
BU5BD3A, etc.



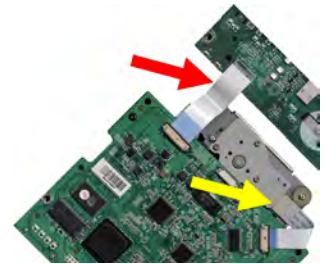
## □ Membrane

### MEMBRANE CONNECTORS

#### FLAT WIRE LOOMS

Suit Sony and other brands  
Flat membrane wiring looms  
Exposed conductive ends Push  
into edge connectors

Specific OEM available &  
General replacement types  
of OEM or better quality  
See Below...



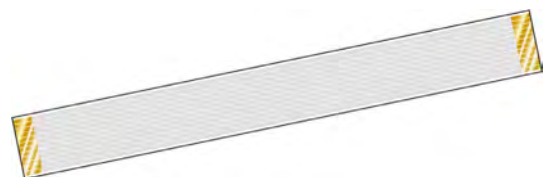
### MEMBRANE OEM

Pins	Length	Width	Original Part No	Code
12	144mm	13mm	1-575-001-11	FWL111
12	100mm	13mm	KSS240A Type	FWL12100
16	67	17mm	KSS213 Type	FWL1667
16	110	17mm	KSS213 Type	FWL16110
16	150	17mm	Sony Type	FWL16150
16	320	17mm	Sony Type	FWL16320
5	120	7.5mm	1-590-849-11	FWL4911
15	200	20mm	Philips, etc.	FWL15200
5	210	7.5mm	Aiwa carousel, etc.	FWL5210



### MEMBRANE REPLACEMENT

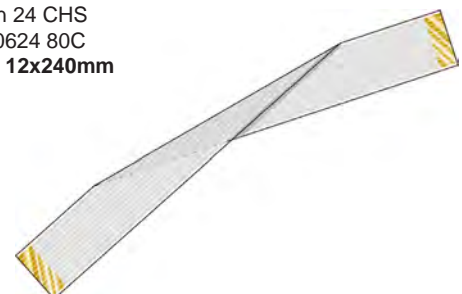
Pins	Length	Width	Original Part No	Code
24	70mm	12mm		FWL2470
24	200mm	12mm		FWL24200
24	240mm	12mm		FWL24240
24	240mm	12mm	Reverse Pins	FWL24240RV
12	100mm	13mm	KSS240A Type	FWL12100
12	144mm	13mm	1-575-001-11	FWL111
26	200mm	13mm		FWL26200
26	240mm	13mm		FWL26240
26	260mm	13mm		FWL26260



### MEMBRANE REVERSE PINS

"Reverse Pins" refers to: At  
one end the pins exposed  
are facing upwards The  
other end Facing Down Thus  
pin 1 becomes pin 24 CHS  
E248204 AWM 20624 80C  
60V VW-1 24 Pin 12x240mm

Code  
FWL24240RV







# Service & Repair

## □ DVD & CD Lasers

### DVD & CD LASERS



#### BEWARE ANTI-STATIC SOLDER JOINTS

If you just installed a new laser and it does not function Don't Panic! - Check for the "Anti-Static Solder Blob"! For more info, please consult the units service manual. Pioneer Lasers are NOT pre-aligned! Please consult the units service manual.

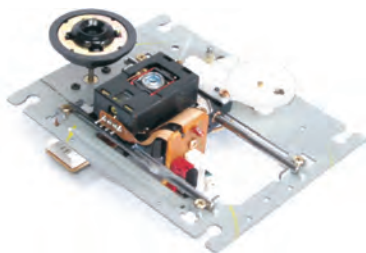


#### HITACHI LASER & MECH

##### MECHANISM COMPLETE

8 Red + 7 White

Code  
HOPM3A-MECH



##### LASER ONLY

Code  
HOPM3A

#### JVC LASER

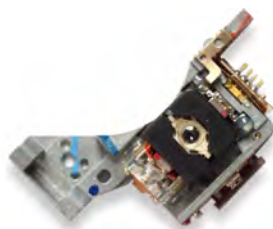
Original Part No Code  
OPTIMA6S, Use OPTIMA150S  
OPTIMA150S



#### JVC LASER

Suit Portable & Car CD Player

Code  
OPTIMA720



#### JVC LASER

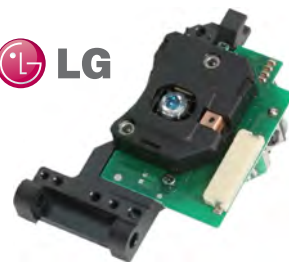
Code  
OPTIMA726A



### LG LASER

6716 DPH 005 A

Code  
PVR502W-L



### LG LASER

6716 DPH 005 A

Code  
PVR502W-S



### PIONEER PEA1335 LASER

Code  
PEA1335



### PIONEER CGY1023 LASER

Code  
CGY1023



### PANASONIC RAE0150Z LASER PICKUP

Code  
LP0150



### PANASONIC RAE0152Z LASER PICKUP

OEM LASER PICKUP ONLY

Code  
LP0152







## PANASONIC RAF333AA LASER

Laser sled OEM Optical Pickup

Code  
RAF3331A

**Panasonic**



## PHILIPS DVD VAL6011

VAL6011-01, 24H9XJA,  
31042921990, 3140001,  
45H9XJA, DVD711, 732.

Code  
VAL6011



## PANASONIC DVD LASER

Suit Code  
DVD-RV20 VED0402-1



## SANYO SF-90 LASER

8pin + 6pin plugs.  
614 227 9069 Laser SF90

Code  
LP7906



## PHILIPS MARANTZ & NAD VAM2201

VAM2201/07

Complete with motors  
and laser assembly. Laser  
SP-2 94VO

Code  
VAM2201

**PHILIPS**



## SANYO SF-91

COMPLETE MECHANISM

All parts including  
Laser and motors, etc.

OEM Code  
SF-91 MEC5967

**SANYO**



## PHILIPS MARANTZ & NAD CDM12.3

4822 691 30359

Code  
CDM123



## SANYO SF-91

LASER ONLY

6pin + 5pin plugs.

OEM Code  
SF-91 LP5967



## PHILIPS MARANTZ & NAD CDM12.4

Complete assembly & mechanism.

Code  
CDM124



## SANYO SF-91 LASER MECHANISM

8PIN + 5PIN PLUGS

Entire mechanism  
Motor, Laser, etc.  
645-005-5966,  
M0773463 K,  
Laser SF91

Code  
MEC5966



## PHILIPS MARANTZ & NAD CDM12.1

VAM1201 482269110615,  
VAM1202 930502220202

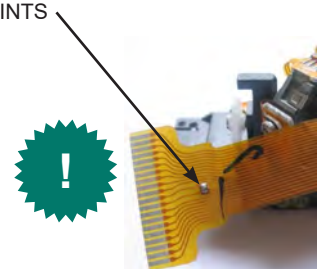
Code  
VAM1202



## DVD & CD LASERS

BEWARE ANTI-STATIC SOLDER JOINTS

If you just installed a new laser and  
it does not function Don't Panic! -  
Check for the "Anti-Static Solder  
Blob"! For more info, please consult  
the units service manual. Pioneer  
Lasers are NOT pre-aligned! Please  
consult the units service manual.







## SANYO SF-HD62 DVD LASER PICKUP

SF-HD62, SF-HD3,  
SF-HD4, SF-HD6,  
SF-HD60

Code  
SF-HD62



## SANYO SF-92.5 LASER

Laser SF-92.5 Single 16 pin ribbon harness.

Code  
LP9965



## SANYO SF-HD850 MECHANISM

DVD READER & WRITER

Code  
SF-HD850



## SANYO SF-P1 LASER

13 pin ribbon  
Laser SF-P1

Original Part No	Code
614 239 1303	LP1303

2x 6pin Available See next block



## SANYO SF-P1 LASER

6pin + 6pin  
Orig. Unknown Laser SF-P1

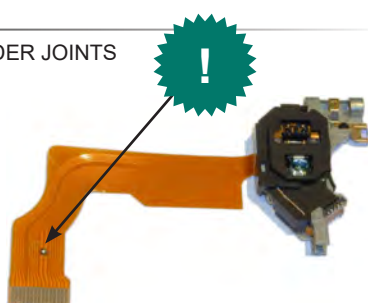
Code  
LP1304



## DVD & CD LASERS

BEWARE ANTI-STATIC SOLDER JOINTS

If you just installed a new laser and it does not function Don't Panic! - Check for the "Anti-Static Solder Blob"! For more info, please consult the units service manual. Pioneer Lasers are NOT pre-aligned! Please consult the units service manual.



## SANYO SF-P101 & SF-P101N MECHANISM

15 PIN SF-P101N

Code  
MEC101-15

16 PIN SF-P101N

Code  
MEC101-16

8+5 PIN SF-P101

Code  
MEC10185



## SANYO SF-P100 LASER

645 006 7983, 13 Pin  
connector Push-lock type.

Code  
LP7983



## SANYO SF-P100 LASER

Laser SF-P100  
18 Pin connector "Small Socket" type  
Membrane connector

Code  
LP7984



## SANYO SF-P100 LASER

18 Pin connector Laser SF-P100

Original Part No	Code
620 022 12609	LP2609



## SAMSUNG SOH-90 LASER

Code  
SOH90T4N



## SAMSUNG SOH-A1 LASER

Plug 1 8 pin Orange, Plug 2 8 pin White

Original Part No	Code
SOH-A1-8C10	SOHA1







## SAMSUNG SOH-AAN LASER

Code  
SOH-AAN



## SAMSUNG SOH-AAV MECHANISM

High quality SOH-AAV Optical Pickup

Code  
MECAAV



## SAMSUNG SOH-AD3 LASER

Code  
SOH-AD3



## SAMSUNG SOH-AP SOH-AAU LASER

Code  
SOH-AAU

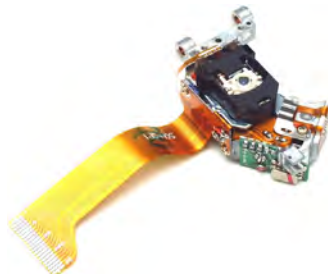
Code  
SOH-AP



## SAMSUNG SOH-DP1U LASER

AH30-00010A, AH30-20001B, AH30-220001B, AH3020001B, SOH-DP1U

Code  
SOH-DP1



## SAMSUNG SOH-DSS-B LASER

AK97-00166B

Code  
SOH-DSSB



## SAMSUNG SOH-DV1 LASER

AH30-00008A

Code  
SOH-DV1



## SAMSUNG SOH-DS2A LASER

AH97-00961A

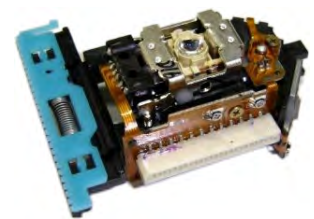
Code  
SOH-DS2A



## SAMSUNG SOH-DT2 LASER

AK97-00638A

Code  
SOH-DT2



## SHARP HPC LASER

HPC-1MX  
7 + 8 Pin

Code  
LHPC1MX



## SHARP LASER HPC

HPC-1LX  
92LHPC1LXASY  
7 Pin & 8 Pin

Code  
HPC-1LX



## SHARP RCTRF8147 AIWA DENON LASER

Original Part No SHARP RCTRH8147AFZZ, AIWA DENON HPC-1C

Code  
LP8147

**SHARP**







## SHARP RCTRF8148 LASER

RCTRF8148AFZZ KCP-1H  
HB148AF 16 Pin

Code  
LP8148

**SHARP**



## SHARP RCTRH8151 MECHANISM

Original part # Code  
RCTRH8151AFZZ KSM8151



## SHARP RCTRH8151 LASER

Original Part No Code  
RCTRH8151AFZZ LP8151



## SHARP KENWOOD LASER

Kenwood: RXD353, CD203,  
CD323M, CD423M, CD424M,  
CD425M, CD4700, etc. Laser only

Original Part No Code  
D40-1515-05 KCP-3H



## SHARP NAD LASER

Suits NAD, Sharp & others.  
Sharp CD DX GFCD QTCD etc.  
Substitutes other lasers.

Original Part No	Equiv.	Code
TAOHS-JP1,	125-617-0007,	LP-KP1
TAOHS-KP1	RCTRH-8112- AFZZ	



## SHARP HPC1X LASER

Code  
HPC1X



## SONY BU-31 LASER

Original Part No	Code
A-4722-425-A	BU31



**SONY**

## SONY KSM210 LASER

Motors, gears, pickup, all complete.

Code  
KSM210-1ADM  
KSM210-1BAM  
KSM210-BBM



## SONY KSM150

Motors, gears, pickup, all complete.

Original Part No	Code
KSM-150-BBM	KSM150B



## SONY KSS150 LASER

Code  
KSS150A



## SONY KSS152 LASER

Unavailable. Substitute supplied From Toshiba.

Original Part No	Code
KSS-152-ARP	TOPH7833



## SONY KSS210 LASER

### TYPE A standard

Original Part No	Code
KSS-210-ARP	KSS210A

### TYPE B High gain

Original Part No	Code
KSS-210-BRP	KSS210B







## SONY KSS212 LASER

8 pin Red socket 8 pin white socket

Code  
KSS212A  
KSS212B



# SONY®

## SONY KSS240 LASER

Suit modern Sony units and many others.

Original Part No	Code
KSS-240-ARP	KSS240A



# SONY®

## SONY KSS213 LASERS

16 pin connector for membrane type cable. Colour may be black, white, cream, etc.

Code  
KSS213A  
KSS213B  
KSS213C  
KSS213E  
KSS213V



Other Versions Available - See following...

## SONY KSS213 LASERS

16 pin connector for membrane type cable. As A/B/C/E but with a bracket on laser head.

Code  
KSS213D  
KSS213F



Other Versions Available - See above...

## SONY KSS313 LASER

Pins	Code
17	KSS313A



## SONY KSS320B LASER

D40-1515-05

Code  
KSS320B



## SONY KSM213-CCM MECHANISM

Original Part No	Suit	Code
21871SE455	AC720, EF20, KSM213CCM	

### LASER ONLY

Code  
KSS213C

NOTE: ECM Version below.



## SONY KSS213E LASER

### LASER ONLY

Code  
KSS213E



### LASER & MECHANISM

Code  
KSM213ECM

NOTE: CCM Version above.

## SONY KSS160 KSS162 KSS220 LASER

Will substitute for some other P/No's. (Not "B")  
Orig. KSS220A Or KSS160A, KSS162A  
P/No. 162-220-261

Code  
KSS220A  
KSS261A



## SONY KSS330 KSS331 LASER

Suit Sony Walkmans

Original Part No	Code
	KSS330A
	KSS331A
1486A, SC350	KSS331C



## SONY KSS333 LASER

Suit Sony Walkmans.

Code  
KSS333A



## SONY KSM360A-BM/DM MECHANISM

With Standard Motor 29 Pin Connector.

Code  
KSM360ADM

Direct Drive  
DC Brushless motor.  
26 Pin Connector.

Code  
KSM360ABM







## SONY KSS480 LASER

Code  
KSS480A

# SONY



## SONY KHM250 DVD LASER

882014504, A6062706

Code  
KHM250AAA



## SONY KSS520 & KSS540

Original Part No	Suit	Code
8848 4020 2, 8848 4020 8	CDX2100A	KSS520A
8848 3282 1		KSS540A



## SONY KHM270 DVD LASER

KHM270AAA, A6062709A, DVPNS415

Code  
KHM270AAA



## SONY KSS542 LASER

15 Pin Connector.

Original Part No	Code
25394, SB213	KSS542A



## SONY KHM280 DVD LASER

KHM 280 AAA, KHM 280 AA, 8820 2100 2

Code  
KHM280AAA



## SONY KSS710 LASER

Suit	Code
CD Stackers, Magnavox, Onwa, CDC	KSS710A



## SONY KHM310 DVD LASER

Code  
KHM310AAA



## SONY KSS720 LASER

Code  
KSS720A



## SONY DVD LASER

MECHANISM Laser, Motor, etc.

Code  
KHM313AAA



## SONY KHM220 DVD LASER

882008103 882008109,  
A6062397A KHM220JIRP1  
LASER & MECHANISM

Suit	Code
DVPS530D, etc.	KHM220AAA



## TOSHIBA LASER

Suit some Toshiba.

Code  
TOPH7833

# TOSHIBA







## PlayStation

### SONY KSM440 PLAYSTATION

#### SHORT RIBBON

Code  
KSM440ACM

#### MEDIUM RIBBON

Code  
KSM440AEM

#### LONG RIBBON

Code  
KSM440ADM

#### PSone LASER

Code  
KSM440BAM



**SONY**

### SONY PVR802 PS2 LASER

Code  
PVR802



## Minidisk Lasers

### SONY MINI-DISK LASER

Personal Player Type 7 pin connector.

Original Part No Code  
X-4946-311-1, DAX-01, DAX-11 LP3111



mini-disk player not included



### SONY MINI-DISK LASER

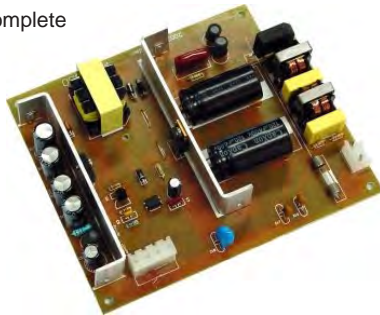
Original Part No Suit Code  
X4952-506-1, DAX-23E D-EJ715 LP5061



## PLAYSTATION® PS-II POWER SUPPLY

PS-II Replacement board Complete

Code  
PSM2000



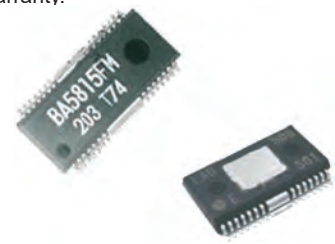
## PLAYSTATION® PS-II REPAIR PARTS

Common fault is recognised by the symptom of the CD tray no longer opening. SMD Chips. No Warranty.

Code  
BA5815FM

CD/DVD Motor Drive IC.

Code  
LA6508

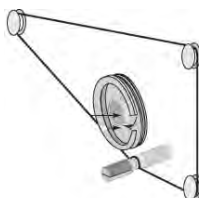


## Miscellaneous

### DIAL CORD

100 Metre reel of 0.5mm white & 0.6mm black/white woven nylon cord. Suit dial cord repair of old radios, etc.

Thickness	Length	Code
0.5mmØ	100M	K665
0.6mmØ	100M	K666



### DOOR CATCH

#### FRONT FLAP CLOSE

As found on front door flaps on VCRs, DVDs, etc. Push to open Push to close

Code  
DL1902



### PLAYSTATION® PSX/PSone SPINDLE

Push-on Disk holder.Snap-lock type.

Code  
SPD440







# Service & Repair

## □ Microwave Parts

## □ Magnetrons

### MICROWAVE OVEN MAGNETRONS

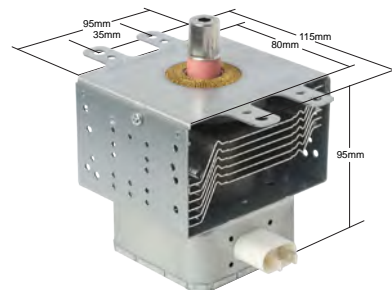
Tags are inline with the air vent & power socket. Referred to as All-In-Line. A higher wattage unit can be used safely in a Lower power oven. Brands supplied may change. Diagrams may differ slightly. Caution is advised with lethal voltages. See MAN-MICRO for instructions.



### MAGNETRON ALL-INLINE 1KW

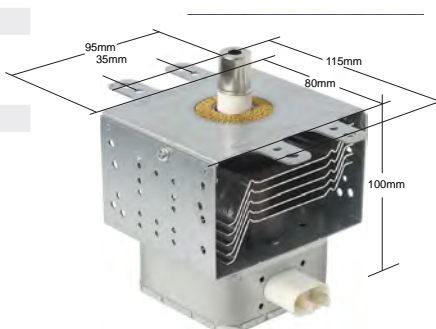
Size 80x95x100mm  
Watt 1000W  
Freq. 2458MHz  
FV 3.3V  
PAV 4000V  
PAI 300mA  
Equiv. A670-IH,  
2M107A(94),  
2M247H(B),  
OM75(020),  
S107HB

OEM AWI  
Code AM724



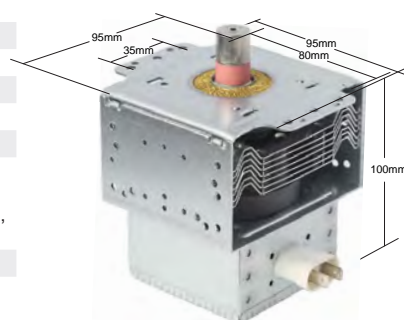
### MAGNETRON ALL-INLINE 850W

Size 80x95x100mm  
Watt 850W  
Equiv. A670FOH-CK,  
2M210M1,  
NN8509  
OEM AWI  
Code MAG703



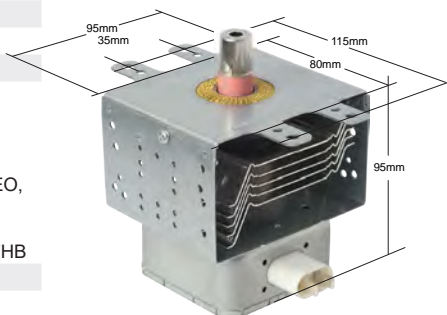
### MAGNETRON ALL-INLINE 1KW

Size 80x95x100mm  
Watt 1000 (1KW)  
Freq. 2460MHz  
FV 3.15V  
PAV 4350V  
PAI 330mA  
Original Part No 2M248H,  
2M248H-B,  
6324W1A001N,  
6324W1A001K  
Code MAG2481



### MAGNETRON ALL-INLINE 850W

Size 80x95x100mm  
Watt 850W  
Freq. 2458MHz  
FV 3.15V  
PAV 4000V  
PAI 300mA  
Equiv. A670-IH,  
2M224(62),  
2M172AH/  
DW/P/HB,  
RVMZA047WREO,  
2M219HB,  
2M107A-33/94,  
OM75-020,S107HB  
OEM AWI  
Code AM707



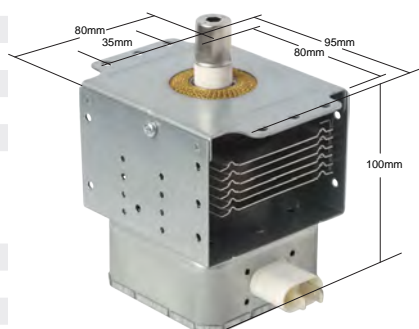
### MAGNETRON TAGS INLINE SOCKET NOT-INLINE 950W

Size 95x80x100mm  
Watt 850W  
Original Part No CK623HY, A670-HY,  
2M214-06, 2M172-  
ADWI/JYB, 2M172(YC),  
OM75(51), S107JYB  
Code MAG935



### MAGNETRON ALL-INLINE 850W

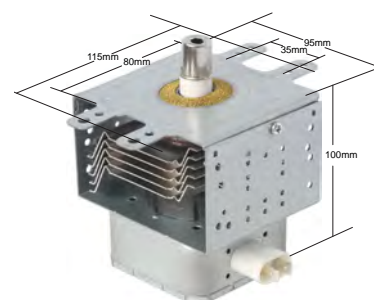
Size 80x80x100mm  
Watt 950W  
Freq. 2460MHz  
FV 3.3V 12A  
PAV 4500V  
PAI 350mA  
Original Part No 2M214, 2M218/H,  
2M238, MS194W,  
4150021502,  
6324W1A003C  
Brand LG  
Equiv. Daewoo, Sanyo...  
Code AM742



### TAGS INLINE SOCKET NOT-INLINE 850W

Size 80x95x100mm  
Watt 850W  
Freq. 2458MHz  
FV 3.15V  
PAV 4000V  
PAI 300mA  
Equiv. A670-OH,  
2M107A,  
2M204M3,  
2M219JB,  
2M240J(Y),  
OM75(11),  
S107JB

OEM AWI  
Code AM701

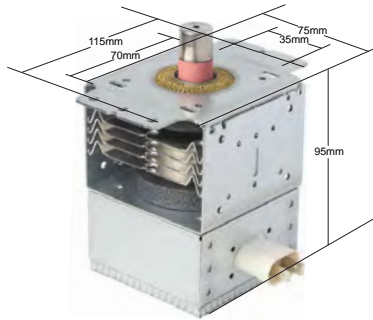






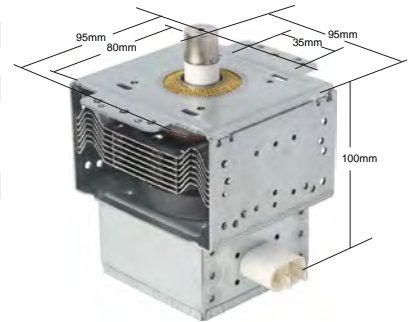
## TAGS INLINE SOCKET NOT-INLINE 600W

Size	70x75x95mm
Watt	600W
Original Part No	AM698, OM52-S11
Code	MAG698



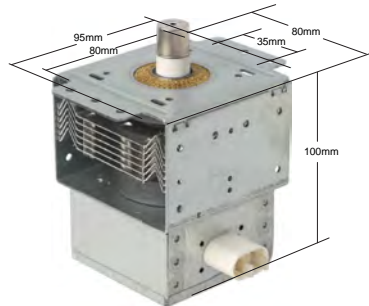
## TAGS INLINE SOCKET NOT-INLINE 1.1KW

Size	80x95x100mm
Watt	1100W
Freq.	2460MHz
FV	3.15V 12A
PAV	4400V
PAI	380mA
Original Part No	2M246, 6324W1A001A, B, E, H, L
Code	MAG2461



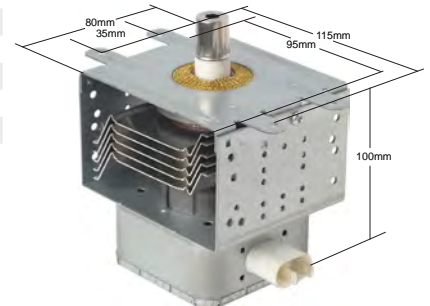
## TAGS INLINE SOCKET NOT-INLINE 950W

Size	80x80x100mm
Watt	950W
Freq.	2460MHz
FV	3.3V 12.5A
PAV	4200V
PAI	300mA
Original Part No	2M214, 2M214, A01GLK, 2B71732G
Code	AM743



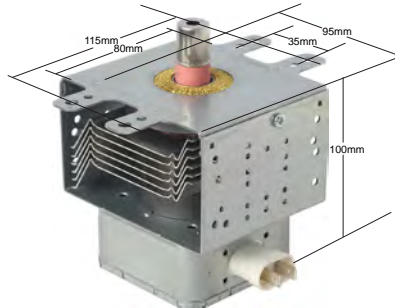
## TAGS NOT-INLINE SOCKET NOT-INLINE 850W

Size	95x80x100mm
Watt	850W
Freq.	2458MHz
FV	3.15V
PAV	4000V
PAI	300mA
Equiv.	A670-FOH, 2M107A325, 2M157M1, 2M161, 2M172FJB, 2M210M1, OM75(11), S107FJB
OEM	AWI
Code	AM703



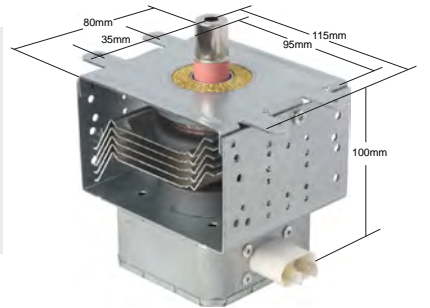
## TAGS INLINE SOCKET NOT-INLINE 1KW

Size	80x95x100mm
Watt	1000 (1KW)
Freq.	2458MHz
FV	3.3V
PAV	4000V
PAI	300mA
Equiv.	AM670-OH, 2M240J(Y), 2M247JB, S107JB
Code	AM723



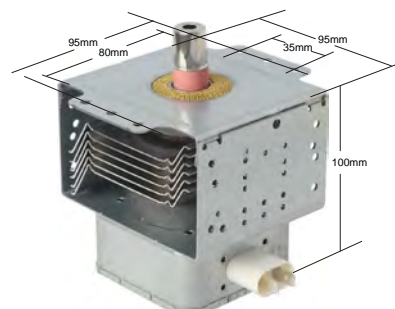
## TAGS NOT-INLINE SOCKET NOT-INLINE 850W

Watt	850W
Suit	A670-FOH, AM703, DE03-30012A, OM75S-31D, OM75SD-31, 2M204-M1, 2M210-M1, 2M244-M1, 2M244-M23, many others
Code	MAG708



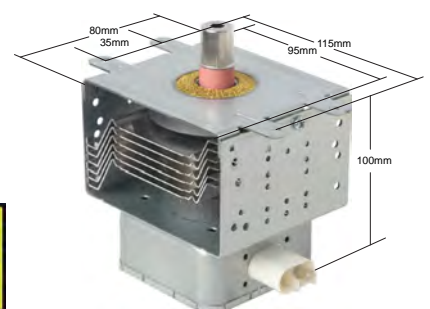
## TAGS INLINE SOCKET NOT-INLINE 1KW

Size	80x95x100mm
Watt	1025W
Freq.	2460MHz
FV	3.15V 12A
PAV	4850V
PAI	380mA
Original Part No	2M248J, MS364F, 6324W1A001A
Code	AM727



## TAGS NOT-INLINE SOCKET NOT-INLINE 1KW

Size	95x80x100mm
Watt	1000 (1KW)
Original Part No	2M244-M23
Code	MAG709







# Service & Repair

## □ Magnetron Inverter Type

### PANASONIC INVERTER TYPE MAGNETRONS

#### BEWARE!

Inverter type magnetrons are specialised and are not substitutable with standard types of magnetrons.

In inverter-equipped microwave ovens, the power transformer is replaced by a circuit board, which converts the 50Hz incoming line frequency to a variable rate of 20 KHz to 45 KHz. A relatively small transformer is then required to increase the voltage to the level required by a magnetron. By varying the pulse width, the output power can be linearly controlled for more precise cooking and defrosting levels. The bulky power transformer is replaced by a small, lightweight circuit board; and, because less heat is dissipated, power efficiency is increased. Conventional technology uses just a single power level, which is regulated by switching pulses. In contrast, inverter technology directly controls the power output. This constant soft penetration of microwave energy prevents the common problems of shrinkage, overcooking, and loss of nutrients. The result is even food temperature and textures throughout.



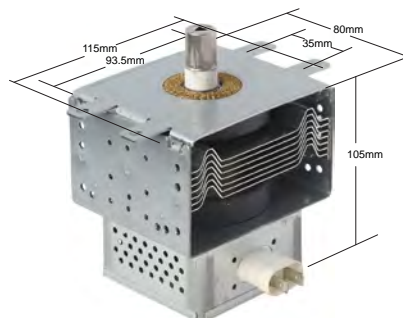
### PANASONIC INVERTER TYPE MAGNETRON - TNI

#### TAGS-NOT-INLINE SOCKET-INLINE

Code  
2M261-M22

**WARNING! Use for Inverter type ovens only!**

**Panasonic**



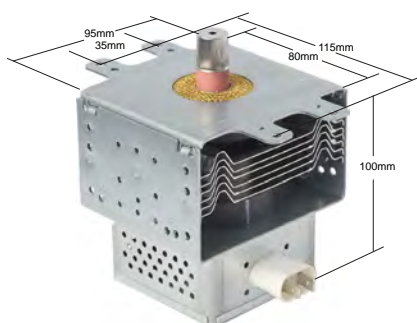
### PANASONIC INVERTER TYPE MAGNETRON - AIL

#### ALL-IN-LINE

**WARNING! Use for Inverter type ovens only!**

Code  
2M236M42E  
2M261M32G

**Panasonic**



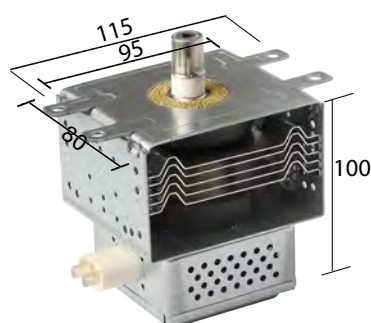
### PANASONIC INVERTER TYPE MAGNETRON - ANI

#### TAGS & SOCKET NOT-INLINE

**WARNING! Use for Inverter type ovens only!**

Code  
2M236M1

**Panasonic**



## □ Switch Mode Power Parts

### PANASONIC SMPS PARTS

#### TWO TRANSISTOR OEM KIT

Update Kit from Panasonic  
Includes Two Transistors  
Original Part No.  
A691E4V00GPS, Original Part  
No. A691E4V10GP,  
Circuit Reference – P/No:  
Q701 \*GT60N321 (G60N90)  
AESCGT60N321,  
Circuit Reference – P/No: Q702  
1M30D-060 AESPGT30J322

#### PARTS KIT

Code  
KIT691

**Panasonic**



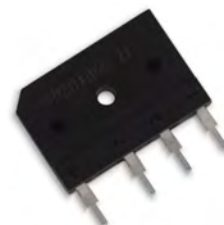
### MORE SMPS PARTS

#### MAY ALSO REQUIRE REPLACING

The following are parts that the manufacturer recommends replacing:

#### BRIDGE RECTIFIER

Original Part No. AESTRBV6206  
Code D20XB60



#### 362K 3KV CAP

Original Part No. ECKK3FF362KDU  
Code DE3600







## Repair Assistance & Tools

### HIGH VOLTAGE PROBE

#### DON'T GET ZAPPED!

Test the capacitor for voltage first. Also for checking correct voltage and rectification, etc.  
40KV.  $\pm 2\%$  1G $\Omega$  1000:1 ratio.  
Suitable for Analogue & Digital Multi-meters.

Code  
HV40



### NEON MICROWAVE TESTER

Indicates the existence of microwave energy distribution within the oven cavity with a dancing light display.

Code  
TM319



### MICROWAVE LEAKAGE METER

Detect and measure 2450MHz microwave leaks from door seals, etc.  
3 Digit meter 0 to 9.99mW/cm<sup>2</sup> with a 5mW/cm<sup>2</sup> alarm.  
+/-1dB accuracy.  
160x60x42mm hand-held.  
Max-Hold. Zero set. Back light.  
Includes protective carry pouch.  
Requires 9V battery.

Code  
DT2G



### MICROWAVE MANUAL

There are many dangers involved in servicing microwave ovens. Prepare yourself with information on the correct safety precautions and basic operations. This 66 page book offers all this information and much more including oven testing, door leakage, cooking sensors, common faults and diagnostic flow charts, popular circuits, and lots of general knowledge for microwave servicing. A must for every workshop or even for those of you who are curious about how these things operate.

Code  
MAN-MICRO

### SECURITY TAMPER LABELS

#### "WARNING WARRANTY VOID IF SEAL BROKEN OR TAMPERED WITH."

Place over screws and seals to prevent tampering.  
Suit repair shops, etc.  
Special type sticker that will not peel off in one go.  
Convenient dispenser box.

Type QTY Code  
Roll 500 pcs WL500



### SCREW DRIVERS & FIXING NUTS

#### TORX SECURITY SCREW DRIVER JAPAN

Code  
HT15H



#### TORX SECURITY 1/4" HEX BIT

Code  
HEX815

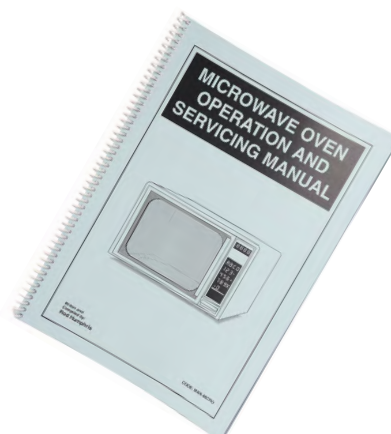
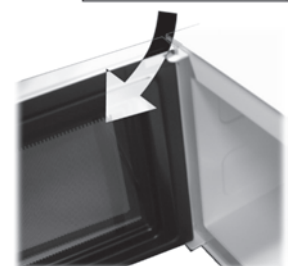


SEE SECTION TOOLS & TEST EQUIPMENT FOR MORE.....

### INNER DOOR LINING

Clear transparent film.  
Heat and microwave proof type plastic.  
A replacement for the damaged inner linings of oven doors.  
With sticky adhesive on one side for application. Simply cut to size and stick on!

Size Code  
500x350mm DS450





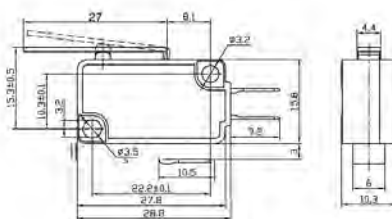
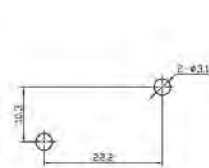


# Service & Repair

## Switches

### MICRO-SWITCH

Microwave oven Micro switches.  
As used for door catch and open  
latch mechanisms. 1/4" (6.3mm) &  
3/16" (4.8mm) Terminal contacts.



### SWITCH ECONOMY 16A 6.3mm

Power	Tags	Code
16A	6.3mm	MS106



### SWITCH ECONOMY 16A 4.8mm

Power	Tags	Code
16A	4.8mm	MS107



### SWITCH LIGHT PRESSURE 16A 6.3mm

Power	Tags	Code
16A	6.3mm	MS301



### SWITCH LIGHT PRESSURE 16A 4.8mm

Power	Tags	Code
16A	4.8mm	MS298



**Honeywell**

**Honeywell**

### SWITCH ECONOMY 15A 6.3mm LEVER 25mm

Single Pole Double Throw

Power	Code
15A	SW1600



### SWITCH LEVER ACTION 10A 4.8mm LEVER 25mm

Lever	Power	Tags	Code
25mm	10A	4.8mm	MS199



### SWITCH LEVER ACTION 16A 6.3mm LEVER 25mm

Lever	Power	Tags	Code
25mm	16A	6.3mm	MS202



### SWITCH LEVER ACTION 16A 4.8mm [25mm]

Lever	Power	Tags	Code
25mm	16A	4.8mm	SW5112



### ROLLER-LEVER SWITCH 4.8mm ROLLER 14mm

Roller wheel for  
mechanical triggering  
Short lever length  
10A 250Vac FTM

Code
SWM424



### ROLLER-LEVER SWITCH 4.8mm ROLLER 28mm

Roller wheel for  
mechanical triggering  
Long lever length  
3A 250V / 6A 110V

Code
SWM425







## Diodes

### PANASONIC STACK DIODE

A6202-4N10T  
(D701 & D702)

Code  
UX-C2B



### HV05-12 RECTIFIER DIODE 4.3mm - RING

HV05 550mA 12KV Rectifier

Code  
ZA511



### HV05-12 RECTIFIER DIODE 6.0mm - RING

HV05 550mA 12KV Rectifier

Code  
ZA521



### HV05-12 RECTIFIER DIODE

HV05 550mA 12KV Rectifier

Code  
HV05-12



### MICROWAVE SHORT PROTECTOR 6mm - 6mm

Code  
ZA530



### MICROWAVE SHORT PROTECTOR

Code  
HV6X2P



### DIODE SET

Common microwave replacement set. HV6X2P & HV05-12  
Supplied already wired with connectors (6mm).

Code  
ZA018



eg. Replacement for  
SHARP FHD ZA017 WREO

### PANASONIC PROTECTOR DIODE

Original cabling  
A606V5110BP  
Diode 2X062H

Code  
MWD606



### ANE6202B60AP DIODE

Code  
MWD60



### ANE6202 DIODE

Original Part No Code  
ANE6202-C90 eq MWD90  
to ANE6202-F50



### 75HVP10 DIODE

Original Part No	Power	Code
75-HVP16	16KV, 750mA	HD204M



### HIGH VOLTAGE DIODES

TO RECTIFY & TO PROTECT  
REMEMBER TO DISCHARGE THE  
HIGH-VOLTAGE CAPACITORS !

Generally Protection Diodes  
fail by going short-circuit.  
Always replace BOTH Diodes







## □ Lamps

### LAMPS - MICROWAVE CONVECTION & FRIDGE

All lamps are premium quality, designed for use in microwaves.

#### CONVECTION or Temp=300°C

will tolerate heat of convection ovens.

Any lamps will suit fridges, etc.

Pictures are accurate at the time of printing but may vary slightly.

E17 = 17mm  
E14 = 14mm



New LED lighting is not suitable for high temperature or microwaves.

### LAMP E14 NARROW

Base	E14 SES	E14 SES
Volts	240Vac	240Vac
Watt	25W	15W
Temp	300°C	-
Code	CL807	CL802



### LAMP E17 NARROW

Base	E17
Volts	240Vac
Watt	20W
Temp	STD
Code	CL821



### LAMP E17 NARROW 125VAC

Base	E17
Volts	125Vac
Watt	20W
Code	MWL40



### PANASONIC E14 NARROW

Base	E14 SES
Volts	240Vac
Watt	25W
Temp	300°C
OEM	ANE6030Q50GN
Code	MWL50



### LAMP E17 NARROW

Base	E17
Volts	240Vac
Watt	20W
Temp	300°C
OEM	A60304080BP
Code	MWL80



### LAMP E14

Base	E14 SES	E14 SES
Volts	240Vac	130Vac
Watt	25W	25W
Code	CL818	CL819



### LAMP B22 NARROW

Base	BC B22D	BC B22D
Volts	240Vac	240Vac
Watt	15W	25W
Code	CL804	CL809



### LAMP E14 - NEW LED TYPE

#### EQUIVALENT TO 10W - NOT SUIT HIGH TEMPERATURE

LED bulb is suitable for appliance lighting, such as in refrigerators (Not Ovens). 240Vac.

Lumens	120lm	
Power	1.5W	
Beam Angle	360°	
Size	23x50mm	
Colour Temp	Warm White	Cool White
Colour	3000K	6000K
Code	LBL-BC1-W1	LBL-BC1-C1



LED

### LAMP & BRACKET

Volts	240Vac
Watt	20W
Tags	4.8mm
Suit	NEC & others
Code	CL823



### SHARP LAMP

Horizontal Type  
RLMPUA001WRE0,  
350 626 0293

Code	LMP001
------	--------



### LAMP & BRACKET

Volts	240Vac
Watt	20W
Tags	4.8mm
Suit	Toshiba & others
Code	CL825







## Lamps

### LAMP & BRACKET 4.8MM

Hi-Temp bulb & base with  
40mm between mounting holes.  
60mm tall, 25mm bulb.

Volts	240Vac
Watt	25W
Tags	4.8mm
Code	CL829

4.8mm width tags.



### LAMP & BRACKET 6.5MM

Hi-Temp bulb & base as one.  
40mm between mounting holes.  
25mmØ Bulb. 66mm total height.

Volts	240Vac
Watt	25W
Tags	6.5mm
Code	CL827



### LAMP & BRACKET R/A 4.8MM

Hi-Temp bulb & base as one.  
40mm between mounting holes.  
25mmØ Bulb. 66mm total height.

Volts	240Vac
Watt	25W
Tags	4.8mm
Code	CL828



### LAMP & BRACKET R/A 4.8MM

Hi-Temp bulb & base as one.  
40mm between mounting holes.  
25mmØ Bulb. 66mm total height.

Volts	240Vac
Watt	25W
Tags	4.8mm pair
Code	CL832



### LAMP & BRACKET

#### PANASONIC F612E4YOOXP Y9N01

Hi-Temp bulb & base as one.  
40mm between mounting holes.  
25mmØ Bulb. 66mm total height.

Volts	240Vac
Watt	25W
Tags	6.5mm 4.8mm
Code	F612E4



## Roof / Door Liners

### ROOF LINER 450mm

Simply cut to shape.

#### MICA

Size	Code
450 x 450mm	RF501M



### ROOF LINER 300mm

Simply cut to shape.

#### MICA

Size	Code
300 x 300mm	RF502M



### ROOF LINER 127mm

Simply cut to shape.

#### MICA

Size	Code
203 x 127mm	RF504M



### INNER DOOR LINING

Clear transparent replacement for linings of oven doors.  
With sticky adhesive on one side.

Size	Code
500x350mm	DS450





## Thermal

### MICROWAVE VARISTOR

Original Part No	Code
ANE604V820JN	MWV820



### SHARP THERMISTOR

Convection Microwave  
Temperature sensor

Original Part No	Code
FH-HZA105WREZ	ZA105



### THERMAL CUT-OFFS 10A

Temp	Code
70°C	MWT70
75°C	MWT75
80°C	MWT80
85°C	MWT85
90°C	MWT90
95°C	MWT95
100°C	MWT100
105°C	MWT105
110°C	MWT110
115°C	MWT115
120°C	MWT120
125°C	MWT125
135°C	MWT135
140°C	MWT140
145°C	MWT145
150°C	MWT150
155°C	MWT155
160°C	MWT160
165°C	MWT165

Self Resetting  
10A 240VAC  
Available in °C

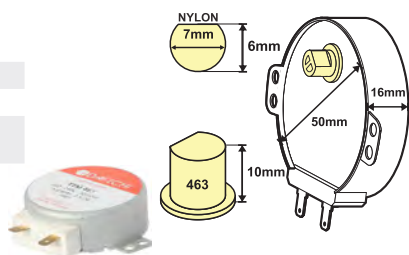


## Carousel Motors

### CAROUSEL MOTOR ¾ MOON 10mm

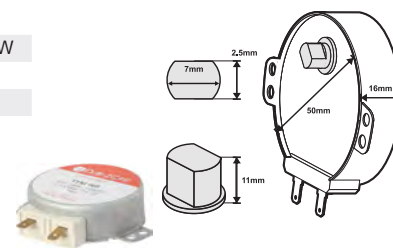
#### NYLON SHAFT

Shaft-Height	10mm
Voltage	240VAC 2.5W
Speed	5RPM
OEM	SSM16H C2B72754F
Code	TTM463



### CAROUSEL MOTOR DOUBLE-FLAT 11mm

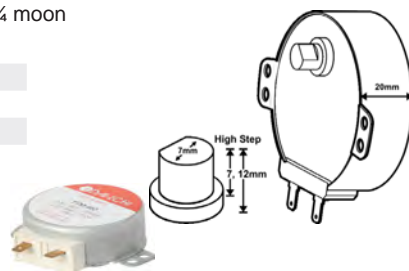
Shaft-Height	11mm
Voltage	240VAC 2.5W
Speed	2.5 RPM
Code	TTM468



### CAROUSEL MOTOR ¾ MOON 12mm

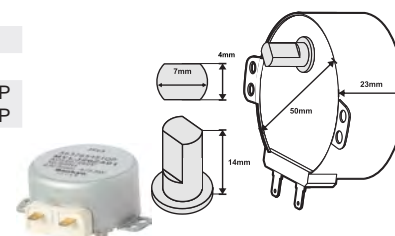
Body Height 20mm Shaft ¾ moon

Shaft-Height	12mm
Voltage	240VAC 2.5W
Speed	2.5RPM
OEM	MULJ24ZB73
Code	MWM462



### CAROUSEL MOTOR DOUBLE-FLAT 14mm

Shaft-Height	14mm
Voltage	240VAC 4W
Speed	2.5 RPM
OEM	A63265450QP A63265451QP
Code	MWM450

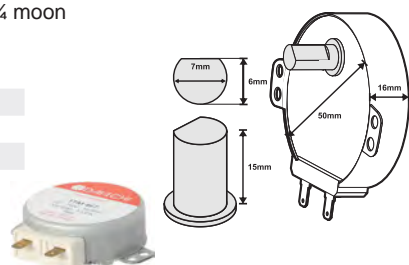


### CAROUSEL MOTOR ¾ MOON 16mm

Body Height 15mm Shaft ¾ moon

#### GM1624FEK1

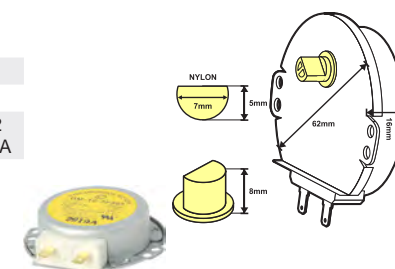
Shaft-Height	16mm
Voltage	240VAC 2.5W
Speed	5 RPM
OEM	GM1624FEK1
Code	MWM467



### CAROUSEL MOTOR WIDE FLANGE

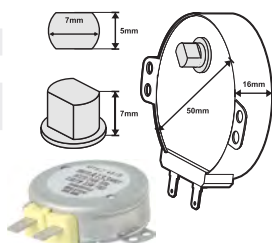
#### NYLON SHAFT

Shaft-Height	10mm
Voltage	21VAC 3W
Speed	2.5 RPM
OEM	GM-16-2F302 6549W1S017A
Code	MWM6549



### CAROUSEL MOTOR DOUBLE-FLAT 7mm

Shaft-Height	7mm
Volts	240VAC 240VAC 3.5W
Speed	2.5 RPM
OEM	RMOTDA091 RMOTDA133 M2LJ24ZA02
Code	MWM91 MWM133

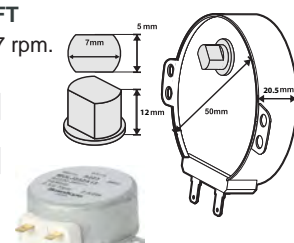


### CAROUSEL MOTOR DOUBLE-FLAT 12mm

#### MULJ23A13 DOUBLE FLAT SHAFT

Replacement carousel motor with 2.7 rpm.

Shaft-Height	12mm
Voltage	240VAC 2.5W
Speed	2.7RPM
Original Part No	RMOTDA223WREO
Code	MWM223





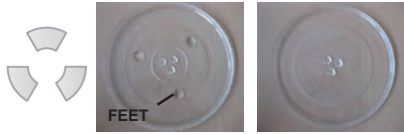


## □ Carousel Trays

### MICROWAVE GLASS TRAYS

All have Tri-wing base.  
Glass platter with feet

Size	Code
270mm	TR270
315mm	TR315



TR320 without feet.

Size	Code
320mm	TR320

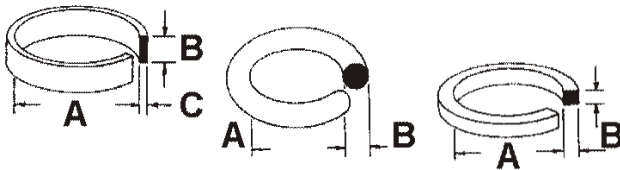


## □ Belts

### MICROWAVE OVEN BELTS

High temperature tolerant. As used to rotate trays in ovens.

Original Part No	A	B	C	Length	Type	Code
ANE4060-850	95	7.0	0.6	300	Neoprene	MWB95
ANE4060-820	100	7.5	0.6	320	Neoprene	MWB100
ANE4060B60AP	110	7.0	0.6	340	Neoprene	MWB110
ANE4110-820	260	3.0	Square	800	Neoprene	MWB260
ANE4110-860	280	3.0	Square	880	Neoprene	MWB280
ANE2132580AP	175	2.5	Round	550	Neoprene	MWB175



## □ Capacitors

### CAPACITORS

Correct metal can type replacement capacitors to suit microwave ovens

Value	Voltage	Height	Width	Depth	TAB.	Type	Code
0.60µF	2100	85	53	33	6.3mm		MWC601
0.86µF	2100	70	53	33	6.3mm		MWC86
0.91µF	2350	100	53	33	6.3mm		MWC604
0.95µF	2100	75	53	33	6.3mm		MWC613
1.00µF	2100	80	53	33	6.3mm		MWC614
1.05µF	2100	90	53	33	6.3mm		MWC615
1.07µF	2100	75	53	33	6.3mm		MWC631
1.07µF	2200	90	53	33	6.3mm	Sharp Original	MWC633
1.10µF	2100	80	53	33	6.3mm		MWC616
1.13µF	2100	90	53	33	6.3mm		MWC628
1.14µF	2100	90	53	33	4.6mm		MWC114-4
1.14µF	2100	79	53	33	6.3mm		MWC114-6

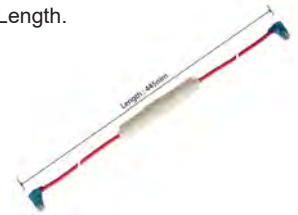


## □ Fuses

### MICROWAVE 5KV FUSES LONG

Fuse, holder, 6mm tags, 450mm Length.

Rating	Code
600mA	MWF60
700mA	MWF70
750mA	MWF75
800mA	MWF80
850mA	MWF85
1Amp	MWF100



### MICROWAVE 5KV FUSES SHORT

Fuse, holder, 6mm tags, 320mm Length.

Rating	Code
600mA	HVF600
650mA	HVF650
700mA	HVF700
750mA	HVF750
800mA	HVF800
850mA	HVF850
900mA	HVF900
950mA	HVF950
1Amp	HVF1000



## FUSES

TOO MANY TO LIST HERE !

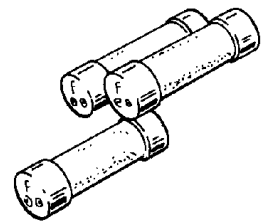
GLASS FUSES and more CERAMIC FUSES (Fast blow)

A comprehensive range of fuses. See Components Section...

### AWI FUSES 5 x 20mm

Ceramic tube Brass nickel plated contact cups  
Time delay(T) High breaking capacity.

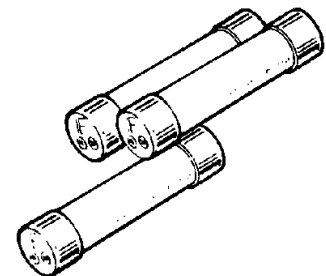
Rating	Code
125mA	AFD.125
250mA	AFD.250
1A	AFD1
1.25A	AFD1.25
1.6A	AFD1.6
2A	AFD2
2.5A	AFD2.5
3.15A	AFD3.15
5A	AFD5
6.3A	AFD6.3
8A	AFD8
10A	AFD10
12.5A	AFD12.5



### AWI FUSES 6.3 x 32mm

Ceramic tube Brass nickel plated contact cups  
Time delay(T) High breaking capacity.

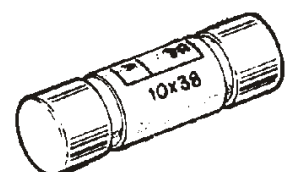
Rating	Code
1A	AFC1
1.5A	AFC1.5
1.6A	AFC1.6
2A	AFC2
3.15A	AFC3.15
5A	AFC5
6.3A	AFC6.3
7A	AFC7
8A	AFC8
10A	AFC10
12A	AFC12
15A	AFC15
16A	AFC16
20A	AFC20



### AWI FUSES 10 x 38mm

Ceramic tube Brass nickel plated contact cups  
Time delay(T) High breaking capacity.

Rating	Code
1A	HRC1
6A	HRC6
8A	HRC8
10A	HRC10
16A	HRC16
20A	HRC20
32A	HRC32







## VIDEO CASSETTE RECORDER PARTS CATALOGUE

### A COMPREHENSIVE RANGE OF VCR PARTS ARE AVAILABLE:

There is an extensive range with thousands of Video Parts stocked. These are not listed here in this print due to space restrictions. Please refer to previous WES Catalogues for parts available or visit our website for an easy search solution: [www.wes.com.au](http://www.wes.com.au)

### WES VCR PARTS CATALOGUE

A Free 100 page VCR Parts Catalogue is available on request.

Hard copy print; please order **VCR-CAT**

Available for PDF download online from our website: [www.wes.com.au](http://www.wes.com.au)

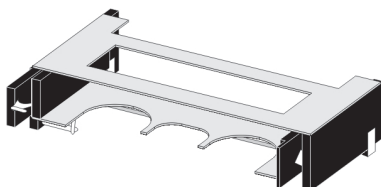
Available Electronically on a Free USB Memory Stick: **WESCATUSB**

Code	Cost
VCR-CAT	Free



### SONY CASSETTE HOUSING

Original Part No	A6751496A, A6759603A, A6759623A, A6775357A
Suit	SLVX812, SLVX822
Code	CH9623



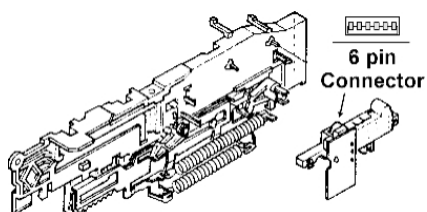
### BLANK VCR

Blank VCR Tapes  
See page 11-10



### PANASONIC SIDE PLATE

Suit	NVL20, 25, 'G' Mech
Code	VXA4076



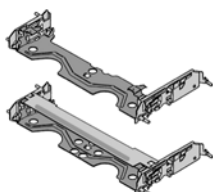
### PANASONIC ROLLER POST

Suit	NV730, NEC 911A
Code	VXP0444A



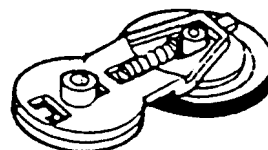
### PANASONIC CASSETTE HOLDER

Suit	NVSD10, 20, 30 NVF65, 66, 70, 90
Equiv.	VXA3832
Code	VXA4661 VXA3840



### PANASONIC IDLER ASSEMBLY

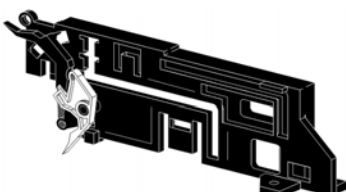
Original Part No	VXP0521
Suit	NV250,450, G10 etc.
Code	VXP0521



### PANASONIC SIDE PLATE

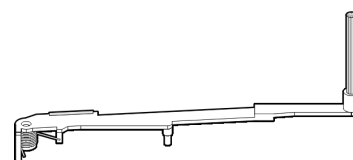
Includes opener lever VXL2250

Suit	NVSD10A, NVSD20A, NVSD30A
Code	VXA4660



### PANASONIC ARM

Suit	K Mechanism
Equiv.	VXL2394
Code	VXL2243



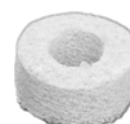
### PANASONIC TENSION BAND

Suit	NV300, 600, NV777, etc. AG6200, RTV321.
Code	VXZ0129



### PANASONIC CLEANER ROLLER

Suit	NVHD620,670, NVSD220,230, NVSD270,280, NVSD420,430.
Code	VDP1668K







□ FOR VIDEO RECORDER [VCR] PARTS A CATALOGUE IS AVAILABLE - PLEASE ENQUIRE...

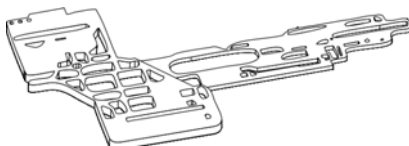
## PANASONIC MAIN CAM

Original Part No	VDG1220
Suit	NVSD220, 270, NVSD420, NVHD620, 670.
Code	VDG1220



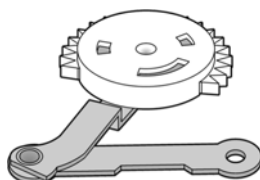
## PANASONIC MAIN LEVER UNIT

Suit	NVSD Mech.
Code	VXL2307



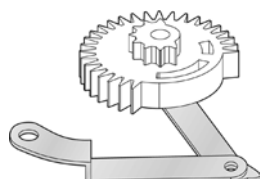
## PANASONIC LOADING ARM

Suit	NVSD220, 270, NVSD420, NVHD620, 670.
Code	VXL2672



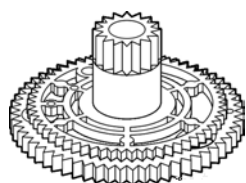
## PANASONIC LOADING ARM

Suit	NVSD220, 270, NVSD420, NVHD620, 670.
Code	VXL2670



## PANASONIC GEAR

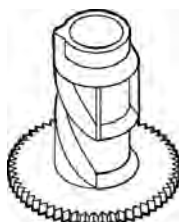
Code	VDG0885
------	---------



## PANASONIC PINCH CAM UNIT

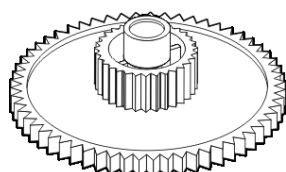
Suitable for the Pinch roller assembly VXL2246

Suit	NVSD Mech.
Code	VDG0886



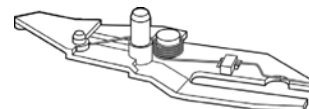
## PANASONIC GEAR

Suit	NVSD10A, NVSD20A, NVSD30A
Code	VDG0868



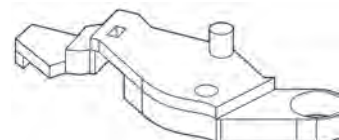
## AKAI ARM LOADING BLOCK END

Original Part No	Arm BL433561N7, End BL438155C
Suit	VSG260, 262, 265, VSG460, 465, VSG765, 875, VSP170, etc.
Code	BL438155C



## JVC TENSION ARM LEVER

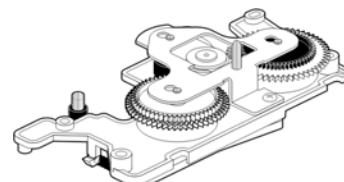
Original Part No	PQ35012-1-5, 4822 4021 0367
Suit	HRJ220, 221, 425, 435, HRJ621, 625, 635, etc. VR155, 357, 455, VR656 and more.
Code	PQ35012



## NEC REEL DRIVE ASSEMBLY

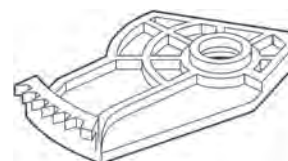
**Note:** Requires ARM582

Original Part No	16192683
Suit	9000 series, DS6000, DX1600, DX3000
Code	MEC2683



## SHARP REVERSE DRIVE LEVER

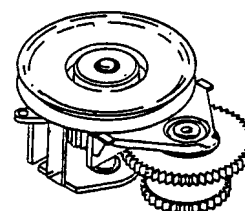
Original Part No	MLEVP0275GEZZ
Suit	VCA200X, 220X, 250X, VCA260X, 270X, VCA400X, 410, 420.
Code	LEV0275



## SHARP GEAR IDLER ASSEMBLY

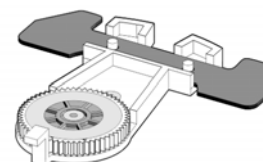
Original Part No	NGERH1128GEZZ
Suit	VCA115X, etc.
Code	GIA1128

Without tape lock disable.



## SONY ARM BLOCK

Original Part No	A6759074P
Code	GR5074



## SONY FRONT LOAD DRIVE GEAR KIT

3-958-156-02 Gear Sony Is no longer available! Sony recommends 'Must use this kit to avoid "No tape loading or eject" problem when replacing GR5603 ' \*Includes gears & slide plate.

Suit	SLV,T,X Series, etc.
Code	KIT5602







## PANASONIC "G" MECH VIDEO MAINTENANCE PARTS KIT GENUINE

VDG0574	Main Cam Gear
VDG0343	Sub Cam Gear
VDG0348	Centre Gear
VDG0547	Clutch Gear
VXP0917	Pulley Unit
VDG0448	Loading Gear
VXP0878	Gear Unit
VML1861	Detent Arm
VDG0342	Ring Gear
VDV0169	Timing Belt
VXL1861	Play Arm
VDG0564	Load Gear T
VDG0419	Load Gear

**Suit** NVD38, 48, NVF55, 65, 66, 70, 75, 77, NVG33, 220, 300, NVJ1, 10,11,30,35,45, NVL10,15,20,P10,etc.

**Code** VUA4116KIT

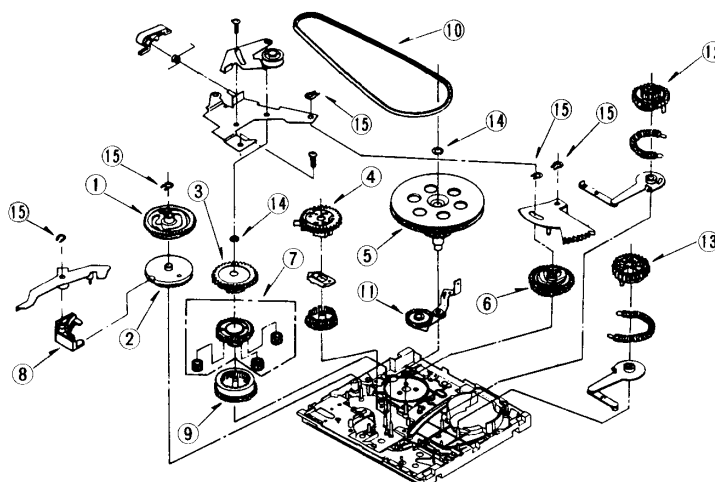


ILLUSTRATION FROM BOX

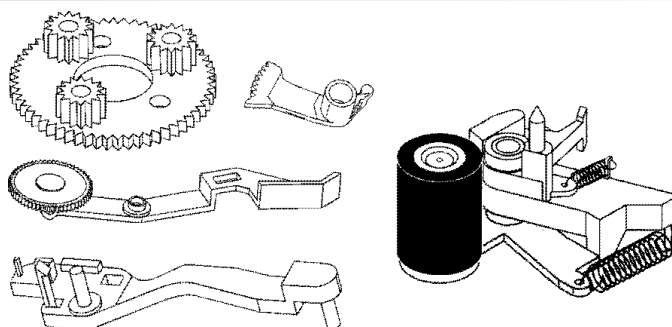
## PANASONIC "G" MECHANISM PARTS KIT

Contains VXL1490, VXL1743, VXP0878, VDG0597 VML1849, VMX1079, washers and C rings. As the G mech is very popular this kit will suit many models eg. NV-G20, 21, 22, 33, 40, NV-D38, 48, FS1, H65, 75 etc, + RTV740,560,etc.

**Code**  
VUA4104

### VDV0169 BELT

**Code**  
VDV0169



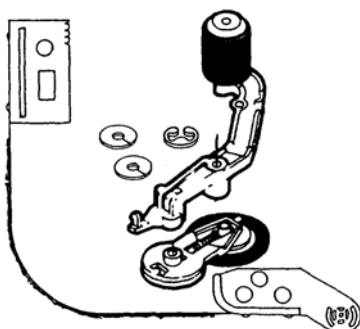
## NATIONAL PANASONIC OVERHAUL KIT

Suits: NATIONAL NV-G7 to 18 NVG30/H70/65... etc.  
Contains; VXP0521 Idler, VXL1371 Roller assembly, VXZ0165 Tension band Washers and Circlips

**Code**  
VUD4103KIT

### BELT KIT

**Code**  
VBK79



## NATIONAL PANASONIC OVERHAUL KIT

Suits: NATIONAL NV250, NV280, 470, 870... etc.  
Contains; VXP0521 Idler, VDP0908 Roller, VXZ0165 Pinch roller Circlips and Washers.

**Code**  
VUD4093KIT

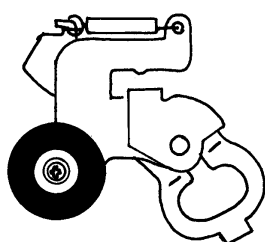
### BELT KIT

**Code**  
VBK50



## AKAI ROLLER ASSEMBLY

<b>Original Part No</b>	BL-387501J1
<b>Equiv.</b>	BL-V1075A180D
	VS22,26,35, 55,66,75,77, VS422,425,465,725, VSA650,VSF10,11, 220,221,400,410,V SF422,425,430,600
<b>Suit</b>	
<b>Code</b>	VPR150



## ROLLER ONLY - 2 TYPES 2.5mm & 3mm

### 3.0mm BEARING SHAFT

**Code**  
VPR125

### 2.5mm BEARING SHAFT

**Code**  
VPR124

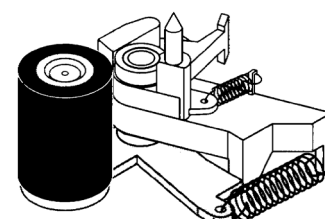


Roller Only - 2.5mm or 3mm

## PANASONIC ROLLER ASSEMBLY

VXL1858 or VXL1743 NV-G20,21,22,25, NV-G28,40,45,... NV-D38,D48, NV-H65,H75, RTV740, etc...

**Code**  
VPR120

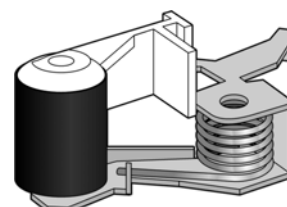


## PANASONIC ROLLER ASSEMBLY

<b>Original Part No</b>	VXL2676, VXL2785
<b>Suit</b>	NVSD220, 270, 420, NVHD620, 670.
<b>Code</b>	VXL2676

### Roller Only

**Code**  
VPR123

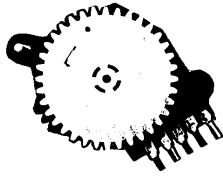






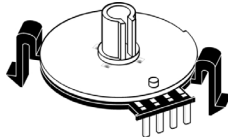
## PANASONIC MODE SWITCH

Suit NVG20, 22, 25, 33, 40, 45  
NVH65, H75, L20, L25,  
RTV560, 740, etc..  
Code VSS0175A



## PANASONIC MODE SWITCH

Original VSS0520  
Part No NVSD220, 270,  
Suit NVSD420,  
NVHD620, 670.  
Code VSS0520



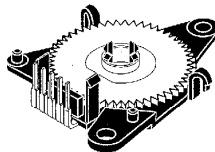
## SONY MODE SWITCH

Original 1-762-490-11,  
Part No 1-762-076-11  
Suit SLVX812,  
SLVX822  
Code SW9011



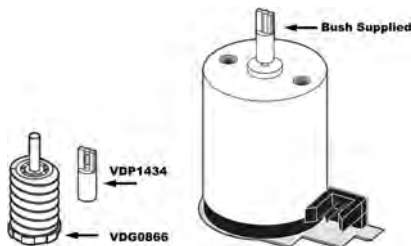
## AKAI MODE SWITCH

Original ES387465J  
Part No VS422, 425,  
VS765, 965,  
Suit VSA650, 1100,  
VSF10, G11, &  
MORE  
Code SW3874



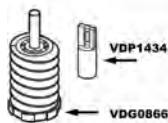
## PANASONIC LOADING MOTOR

Suit NVSD10, ETC.  
Equiv. VEM0427  
Code VM0427



## BUSH PULLEY / WORM

Code VDP1434  
VDG0866



## SHARP CAPSTAN MOTOR

Original RMOTN-2038, 2047,  
Part No 2048-GEZZ  
14VT10X1,  
VCA33, 34, 38, 39,  
VCA48, 49, 63, 64,  
Suit VCH83, 84, 85, 87,  
VR3261, VF22, etc.  
Code VM2038

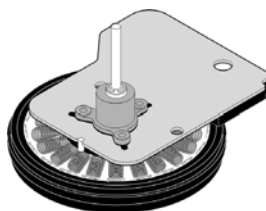


## VIDEO MOTORS

### WES VCR PARTS CATALOGUE

A comprehensive 100 page VCR Parts Catalogue is available on request.  
Hard copy print: **CAT-VCR**  
PDF download: [www.wes.com.au](http://www.wes.com.au)

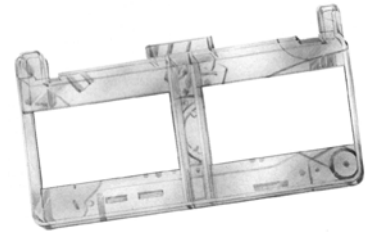
Code VCR-CAT  
Cost Free



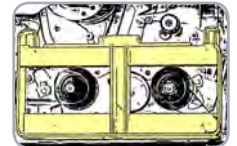
## VCR TEST TAPES

### SEE-THROUGH CASSETTE

Dummy tape for VCR repair. Load and press play. Dummy cassette satisfies all the sensors and allows you access to investigate mechanical faults without chewing tape.



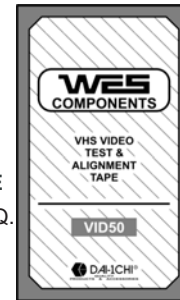
Code VID5041



### GP VHS TEST TAPE

Colour bar.

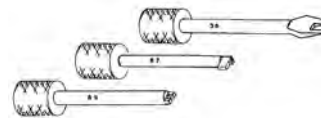
Code VID50



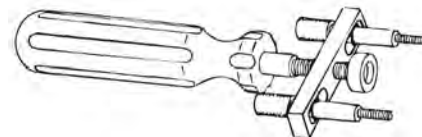
### PRECISION VHS TAPE

Master copy. Premium Q.

Code VID70



ALIGNMENT TOOLS  
HEAD EXTRACTORS  
SEE TOOLS SECTION 07



## VIDEO BELT KITS

### WES VCR PARTS CATALOGUE

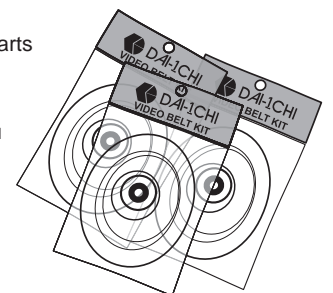
A comprehensive 100 page VCR Parts Catalogue is available on request.

Hard copy print: **VCR-CAT**

PDF download: [www.wes.com.au](http://www.wes.com.au)

USB Memory Stick: **WESCATUSB**

Code VCR-CAT  
Cost Free



## VIDEO HEADS

### WES VCR PARTS CATALOGUE

VCR Parts Catalogue is available:

Hard copy print: **VCR-CAT**

PDF download: [www.wes.com.au](http://www.wes.com.au)

USB Memory Stick: **WESCATUSB**

Code VCR-CAT  
Cost Free







## Television Parts CRT Parts

### HIGH VOLTAGE TV FOCUS RESISTORS

1 WATT, 10KV-DC, 7KV-ACrms  
Available in 150K, 220K, 270K, 390K, 470K, 820K, 1M, 1.2M, 1.5M, 2.2M, 3.3M, 4.7M, 5.1M, 8.2M, 10M  
Order as follows: Wattage + FCR + Value Eg. 150K would be ordered as 1FCR150K

Code\*  
1FCRxxx



### PHILIPS FOCUS POTENTIOMETERS

24 MegaOhms Suit Philips.  
Three solder terminals

Original Part No Code  
460-900-22 FCP24

Two contact "push-on" type

Code  
FCP23

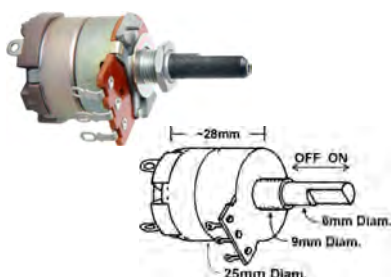


### AC POWER SWITCH POTENTIOMETERS

#### SPDT PULL SWITCH

Potentiometer with pull out two pole switch. as used in older TV's.

Value	Type	Code
5K	Linear	VRS105
20K	Log	VRS120
50K	Linear	VRS150
100K	Log	VRS100



### HIGH VOLTAGE FOCUS POTS

Value	Code
10MΩ	FCP10M
15MΩ	FCP15M
22MΩ	FCP22M



### SANYO FOCUS CONTROLS

Original Part No	Code
RO116XR	FCP0116
RO128XR	FCP0128



### ANTENNA INPUT TERMINALS

#### METAL RF SOCKET

Code  
J500

#### PLASTIC RF SOCKET

Code  
J510

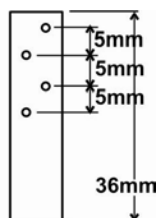
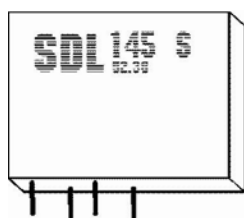


FOR OUR FULL RANGE OF PLUGS & SOCKETS FOR TV  
SEE SECTION CABLES & CONNECTORS

### PHILIPS DELAY LINE

Popular Delay Line as used in many TV's.

Equiv. Code  
DL701 SDL145



### PHILIPS PTC

Popular 3 pin degauss trigger.

Original Part No	Voltage	Current	Code
2322 662 96009, 2322 662 96016, 2322 662 98009	265V	6mA	PTC10
2322 662 96011, 2322 662 96211, 2322 662 98011	265V	4mA	PTC14
2322 662 96022, 2322 662 98018	265V	1mA	PTC1



### PHILIPS PTC

4822 1164 0025, 4822 1164 0137,  
2322 6629 6022, 2322 6629 8018,  
96009, 96018, 96022, 96209,  
11164-0137, etc. 265V 1mA 3-Pin

Code  
PTC1

See Also ABOVE!  
Similar Style.

### PTC BLOCK

As used in CRT-TV  
270V - 15mA

#### 2 PIN

Code  
PTC22

#### 3 PIN

Code  
PTC3

#### SHARP

Original Part No	Code
RMPTP0085CEZZ	PTC85



### PTC POSI-R

PTC Thermistor  
Nichicon Posi-R  
ZPB53-BL200C

Code  
PTC20



### SMPS START-UP PTC

Start-up PTC resistor  
Used in TV switchmode  
Samsung, LG, etc.  
P2462-J29, P190,  
1404-000182, etc.

Code  
PTC182



### 63V NON POLARISED (NP)

BI-POLAR TV Deflection Caps  
High Current. High-Frequency.  
For more capacitors, see section  
ELECTRONIC COMPONENTS

Value	Volts	Size	Code
2.2μF	63V	13x25	2.2BP63
3.3μF	63V	16x25	3.3BP63
4.7μF	63V	16x32	4.7BP63
6.8μF	63V	16x36	6.8BP63
10μF	63V	18x36	10BP63
15μF	63V	18x41	15BP63







## JVC SWITCH-MODE TRANSFORMER

Suit JVC 7255,  
7755 and others.

Code  
CE40511



## SHARP VARISTOR

Original Part No Code  
RH-XV0003CEZZ VX0010



## MAGNET CORE INDUCTOR

Horizontal-linearity coil  
Popular TV part used in  
many models including  
Akai, NEC, Tempest,  
Goldstar, etc.

14"TV 125μH(0.125mH)

Code  
L125

20"TV 102μH(0.102mH)

Code  
L102



## TEAC (Vestel) 11AK19 PARTS

Due to design problems with this chassis, HR Diemen has made  
some improved replacement coil transformers to suit. This applies  
chassis using the following EHT:

Original Part No Code  
3000-2055 EHT8339  
3000-2064 EHT8029



## TEAC SWITCH-MODE COIL

Chassis: 11AK19 (Vestel)  
East/West Coil

Original Part No Code  
4014100018, HR15028  
4014100020,  
30002026



## TEAC SWITCH-MODE COIL

Chassis: 11AK19 (Vestel)  
Correction Coil

Original Part No Code  
30002031, HR1843  
4015150018,  
3122 138 93871,  
AT4043-60



## TEAC SWITCH-MODE TX

Chassis: 11AK19 (Vestel)  
Power Transformer

Original Part No Code  
40326-92, HR9883  
10524150,  
30002080,  
4041800110



## 8 WAY TUNING BLOCK

28 Pin B20K  
23x76mm

Code  
VRB810



## SONY TV TUNING BLOCK

8 Way 29 Pin B100K  
21x82mm

Code  
VRB820



## 12 WAY TV TUNING BLOCKS

29 PIN B100K

Code  
VRB1220

40 PIN B100K

Code  
VRB1230

40 PIN B20K  
Vertical label

Code  
VRB1240

40 PIN B20K  
Horizontal label

Code  
VRB1250

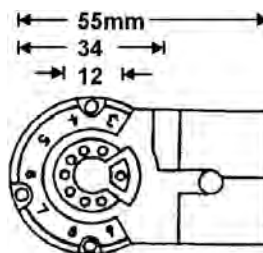


23x108mm

## CRT SOCKET 8 PIN

8 Pins including focus.

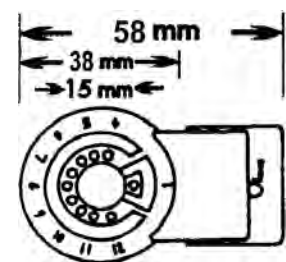
Code  
CRT25



## CRT SOCKET 10 PIN

10 Pins including focus.

Code  
CRT12



## DEFLECTION YOKES

Original part numbers and models  
are listed, however these Yokes  
will substitute many makes  
and models. "Spec." is the DC  
resistance measurement of the  
Vertical and Horizontal coils.



Description	Suit	Spec	Code
DIE1492HL or TCY120PPF (neck=30mm)	C38 Chassis P50F, P54S, CB336F/R, CTK115, 143, TE14F/R, 140E7A, 144E8A	H2Ω / V15.5Ω	DIE1492HL
ODYM1401 (neck=24mm)	TE14FC, RC, RM	H4Ω / V15Ω	ODYM1401
DSE1422FL (neck=24mm)	CB3351/A/FA/XU, CB3373Z1A, CTK118, 147, 1430, SP34RM, TV346, TVCR344, 346, NEC N3452.	H4Ω / V14.5Ω	DSE1422FL
ODYM2002 (neck=24mm)	TE20R/RM/RMT	H3Ω / V14.5Ω	ODYM2002
DIE1992GL (neck=29mm)	CB514H, TE20F, CTK202,	H2Ω / V14Ω	DIE1992GL





# Service & Repair

## □ Power Supply Parts

### 12V TV POWER BLOCK

V Regulator for low voltage 10" TVs eg. Tempest TE10RM AKAI, PYE, Rover, etc.

Code  
BL2710  
BL2711

Suggest replacing C416

Code  
100TKR63



### SHARP TV X0308 POWER SUPPLY CHIP

#### Premature Failure Of Chip In Power Supply!

Changing values of the surrounding components for more reliable service.

Kit includes instructions and all required parts.

Code  
X0308-KIT



#### CHIP AVAILABLE SEPARATELY

Description	Code
Original Sharp IC	X0308-0
X0308 Substitute IC	X0308

### SAMSUNG TV TDA3654 KIT

#### Premature Failure Of Chip In Power Supply!

Problem caused by excessive heat. This kit includes instructions, Chip & heatsink to fix.



Original Part No	Code
KIT-TVHSINK-1	TDA3654KIT

!! Requires Silicone Heat Compound - NOT Supplied !!

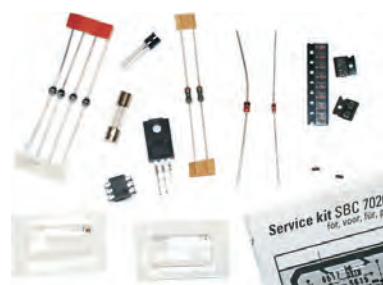
### PHILIPS SMPS REPAIR KIT

4822 310 20489 Power supply parts OEM, 27x OEM

Parts including Surface mount components.

KIT SBC7020

Suit	Code
G110 Chassis	KIT489

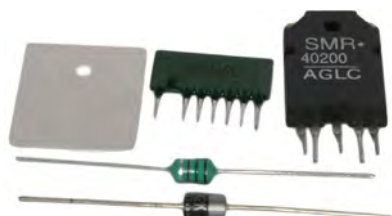


### SAMSUNG SMR40200C OR HIS0169B

#### Fault in Switch Mode Power Supply.

When replacing one, the other will blow! Kit CTV0034A-101297 Chassis P1B Pre 8/96

Original Part No	Suit	Code
KIT-TVSMPS-1	TV346,	SMR40200KIT
31122-0027-000,	486, 516,	
3H83-00820-003,	4861,	
A4010-0090.	5161.	



### HOZKIT SAMSUNG/AKAI

#### Horizontal Kit

A cap, resistor and inductor.

Suit	Code
CB515F, Z, CTK108, 143, CTK202, 207,	HOZKIT

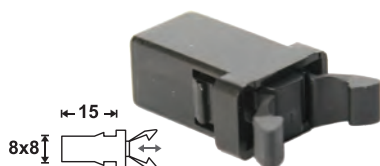


## □ Cabinet Parts

### DOOR LOCKS

As used in TV, CD and other applications.

Code  
DL1902



### SECURITY TAMPER LABELS

Place over screws and seals to prevent tampering. Suit repair shops, etc. Special type sticker that will not peel off in one go. Convenient dispenser box.

Type	QTY	Code
Roll	500 pcs	WL500







## Repair Assistance & Tools

### LCD BACK LIGHT TESTER

#### CCFL LAMP FAULT FINDER

Test and analyser for panel mounted fluoro lamps without need for dismantling the entire panel. Quick.

Code  
TL1040



### HIGH-VOLTAGE PROBE

Measures the High Voltage circuits of TV tubes and magnetrons in microwave ovens. Essential for repair. Extra safe protection 1GΩ. 40KVp-p. ±2%

Code  
HV40



### TELEVISION L.O.P.T TESTER

This handy instrument will simulate the horizontal output of a TV to accurately test your LOPT or Diode Split Flyback Transformer. Connect the two leads to the primary, and monitoring the HV lead output, gives you a reading in Kilo-Volts. An LED will alert you to any problem and a fault code will appear on the display to confirm your diagnosis. A fully professional unit from Diemen.

Type Code  
TV STVDST01



### DOW CORNING SILASTIC WHITE

Original silicone elastomer for high voltage insulating. Non corrosive & cure to a tough, rubbery solid, 90ml tubes.

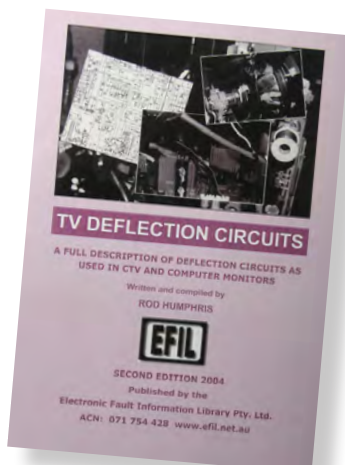
Code  
SIL738



### TV DEFLECTION CIRCUITS

Written by Rod Humphris of RMIT. 150 page, comprehensive reference for the repair of high voltage circuits in CRT TV, Monitors, etc. Excellent source of information for technical descriptions of older Cathode-Ray Tube technologies.

Code  
MANDEF



### EHT & LOPT LISTING

#### FULL LISTING AVAILABLE

Blaupunkt, Grundig, Rank-arena, Sanyo, Philips, etc.

Please contact us or visit:  
[www.wes.net.au](http://www.wes.net.au)







## ISOLATION TRANSFORMER

For safety's sake and to enable the use of instruments such as a CRO, etc.

Current	Code
1 AMP	TDB240-240
2 AMP	TDB240-500

See Section POWER



## CRT DEGAUSSING WAND

This powerful wand does the job right the first time, every time. Manufactured in Australia, it plugs straight into 240V.

Code
XT8150



## TOOLS

SEE SECTION 07 TOOLS & TEST EQUIPMENT

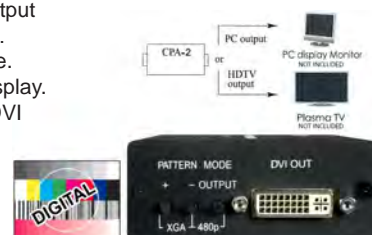


## DVI INTEGRATED PATTERN GENERATOR

### PC/HDTV DIGITAL/ANALOGUE

DVI-I 29 Pin D shell connector  
Analogue VGA or Digital output  
Multi-System TVs, PCs, etc.  
Compact metal box portable.  
OSD Menu/Res/Refresh display.  
27 patterns. RGBVH type DVI  
www.cypress.com.tw

Output	Code
DVI-D	CPA-2



## HDMI VIDEO PATTERN GENERATOR MOTION

This is a wide variety of PC and HD pattern for stable test signals. Use the keypad or remote control to select patterns and timing.

- HDMI v1.2, HDCP1.1, DVI1.0, 1.65Gbps
- PC: VGA to WUXGA @ 60Hz.
- HDTV: 576p to 1080p-50/60Hz.
- HDMI & DVI (Adaptor)
- 36 patterns. Motion running block
- 8CH Audio
- VESA EDID v1.3, EIA/CEA 861 V3.0

Output	Code
HDMI 1.2	CPA-4



## 3D MINI HDMI ANALYSER

### HDMI SOURCE ANALYSER

Checking both source and display devices. LED can show status of both input and output device. The major purpose is to analyse input source info-frame and output sink EDID.

- SD, HD up to 1080p, PC up to WUXGA and 3D
- Generates 25 timings and 6 patterns
- Deep colour video (12bits/colour)
- Analyse input source info-frame and output sink EDID
- Touch button control function
- OLED show Input / Output timing information.

Output	Code
HDMI 3D	CH-A1



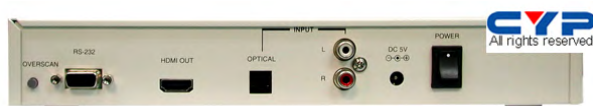
## HDMI V1.2 PATTERN GENERATOR

### HDMI OUTPUT WITH AUDIO

Tool for evaluation testing of displays/panels. Up to 4095 types of video testing signals. Supports audio testing with built-in sine wave, external analog audio, and external digital audio input through S/PDIF. Control is simple yet comprehensive with on-panel buttons or remote controller to select from the timings, patterns, colour spaces, DVI/HDMI output, etc. Bundled Windows software application to perform advanced control timing/pattern programming, EDID reading/writing.

- Provides total 39 Timings and 39 Patterns
- Supports HDCP signal verification pattern
- On-panel LED display and LED indicators
- Remote control and RS-232 control

Code
CPHD-1







## □ Triplers

### PHILIPS/ERO EHT TRIPLER

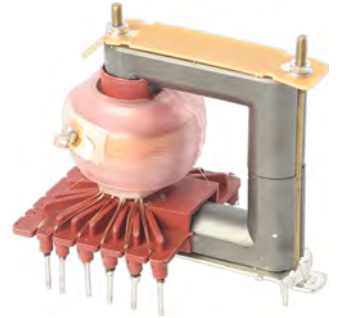
BG1895-641-444/LK/etc.  
TVK76, 13-2057, etc. Lead  
900mm Replacement type.  
DAICHI

Code  
TRP4006



### PHILIPS PYE KRIESLER

Original part # Code  
HR2176 EHT50



### AKAI KONWA TEAC GOLDSTAR SAMSUNG

Original part # Code  
CTM344 FC1434 EHT7729



### AWA NEC DAEWOO TEMPEST TEAC

Original part # Code  
KFS60226B EHT315

AWA C3425 (C43M) NEC  
N3419 N3420 N3442 14"  
KFS60226B



## ARCADE MACHINES

28028500 HANTAREX POLO-1 25" TO 28" EHT6209  
28020280 HANTAREX POLO 1/2/28, 25" to 28" 15K/24K EHT7375  
HR7533 FTR7533 COMMODORE 1084SP1-AU, EHT7533  
PHILIPS CM 12 CGA & AT2079-37591, 4822-140-10381

See Also Computer Monitor LOPT Listing...  
EHT & LOPT catalogue available.  
Hard copy [Order Code CAT-TV]  
Online: [www.wes.net.au](http://www.wes.net.au)



## □ LOPT High Voltage Leads

### IBM 3179 HIGH VOLTAGE LEAD

Common fault in this  
model of IBM monitor.  
COD-011 with divider.

IBM 3179, etc.

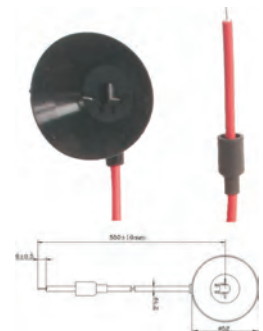
Original 6405282, HR1697,  
Part No HR 9R1, 1697  
Diemen 99 46 10  
Code HV3179



### HV LEAD GENERAL PURPOSE

As used in many Asian TVs and  
HR-Diemens LOPTs. Solid core  
tip for snap-fit or soldering.  
SOLDER WIRE

Suit HR-52 4136 COD-008  
Length 50cm.  
Code HV1663



### HV LEAD SHIELDED

Popular Philips type.  
1M Shielded braid  
Snap fit LOPT end  
with 5mm tip

Code  
HV1681



## MORE EHT & LOPT ARE AVAILABLE....

### FULL LISTING AVAILABLE

Blaupunkt, Grundig, Rank-arena,  
Sanyo, Philips, etc.

Please contact us or visit:  
[www.wes.net.au](http://www.wes.net.au)







# Service & Repair

## □ Projector & RPTV Parts

### LAMP SAMSUNG

#### LAMP ASSEMBLY OEM

Mercury Globe and Reflector assembly

Suit	SP-403JHP
Original	AA47-10001B
Part No	
Spec	160V 100W 1300mA
Code	AA47-10001B



### ETHYLENE GLYCOL COOLANT

#### OPTICAL GRADE PROJECTION TV HEAT TRANSFER FLUID 500mL

Suits Sony, Philips, etc.  
With application syringe.  
A Half Litre bottle of  
premium grade solution.

Code
EGC500



### LAMP LG

#### OEM LAMP & REFLECTOR

Rear projector TV  
LDP & LCD Zeneth  
6912B-22007B  
3141VSNH19C  
52SZ8R-TB

Code
RPL2007B



### LAMP BALLAST SAMSUNG

#### COMPLETE PCB - NO LAMP SUPPLIED

Suit	SP-46L5HX, SP-50L2HX
Original	BP47-00008A
Part No	
Equiv.	BP47-00002A
Spec	EUC 100W P/H00, 9137-007-04005
Code	BP47-00008A



### LAMP SONY

#### ORIGINAL SONY OEM

Original Sony OEM Part  
Complete Projector Lamp  
for a Sony Mobile Unit

Suit	VPL-ES2
Code	LMP-E150



### LCD BACKLIGHT SOCKET

#### SHARP OEM

Inverter board to  
Back light tube  
connection socket  
Original sharp OEM

Code
QSOCFA005



## □ Fridge Parts

### REPLACEMENT REFRIGERATOR WATER FILTER

#### NSF CERTIFIED WATER FILTER

Enjoy fresh and pure water. NSF certified micro filter.  
Reduces bad taste, Chlorine, dirt, rust, odors and other particles.  
Replaces filter model No WSF-100. NSF Code No - K3MFC2010F  
Fridge Model No - HAFEX/EXP.  
Fits to all major brands like Electrolux, Whirlpool, Gibson, LG, Samsung, Frigidaire, Kelvinator, Tappan, General Electric & White-Westinghouse with 1/4" vinyl to copper water supply line.

- Flow Rate- 1.9 lpm.
- Pressure- 207 - 689 kPa.
- Temperature- 1°C - 38°C
- Capacity- 3785L
- Size- 300x65x65mm 225g

Code
DA29-10105J







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