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# D·I·G·E·S·T ·VOLUME1·PART5·

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**SAVE 20%**

**SAVE 25%  
SPECIAL OFFER PRICE  
NOW £2.20**  
FY31J

# More tool tales

Trimming, cutting, bending, crimping, stripping tools and many more.

**T**rimming tools; BR51F is a moulded tool, with a phosphor bronze blade at each end. Designed to fit 4mm and 6mm pot cores. Length: 46mm. BR49D is a trim tool for preset potentiometers. Double-ended with protruding blade for single turn presets, etc., and recessed blade for 15-turn cermet, etc. Length: 130mm. BR51F Trim tool 60p. BR49D Preset trimmer 75p.

JH18U is a wire stripper which removes the inner and outer sheath of co-axial cables simultaneously. An allen key is provided to set the blades to suit your cable. Cables from 4mm to 7mm outside diameter can be accommodated. The tool is set at the factory to suit RG58 and RG59 cable. To change from one to the other the die is reversed in the tool. To operate, squeeze to open the jaws, then place the cable on the cable guide and close the jaws. Insert a finger in the loop on the tool and revolve the tool around the cable four to five times. Then holding the tool, pull the cable firmly out of the tool. Both the inner and outer will be neatly trimmed away leaving the cable ready for connection. Overall size: 104 x 34 x 22mm. JH18U Coax Stripper **ONLY £6.95** (Catalogue Price £7.95).

The crimping, stripping and cutting tool, FY31J, is a useful low-cost combination tool with cushioned plastic handles. The tool has bolt cutters for M2.5, M3, M3.5, M4 and M5 bolts, strippers for wires of conductor area 0.75, 1.0, 1.5, 2.5, 4.0 and 6.0mm<sup>2</sup>, a crimping tool for red, blue and yellow insulated crimp connectors, and a wire cutter. Overall length 232mm. FY31J Crimp tool. **25% Off** Catalogue Price of £2.95. **NOW ONLY £2.20.**

FD56L is a very useful cutting and bending tool designed for trimming wires on PCB's. Component wire is cut with a powerful spring action and the remaining tip of wire bent over to lock the component in place. FD56L Cut and bend tool. **SAVE 20%** against Catalogue Price of £8.95. **NOW ONLY £6.95.**

The Pearl Catcher, BK43W, is a spring-loaded 3-pronged tweezer for reaching into those difficult places to retrieve the smallest screw. BK43W Pearl catcher **ONLY 80p.** **SAVE 20%** against Catalogue Price of £1.06.

**SAVE 10%  
against Catalogue Price  
of £9.95  
NOW £8.95**  
YZ92A

**D.I.Y.  
Safety Kit  
Black & Decker**

An essential kit for anyone using power tools, offering protection against flying debris, swarf, dust, noise, etc. The kit comprises of: 1 pair of safety goggles conforming to BS2092 1, the goggles are comfortable to wear, ventilated and have an adjustable elasticated head strap. 1 pair of Canadian style gloves having leather palms, fingertips and knuckle strap, the rest being made of material, having an elasticated tensioner and 2 1/2in. safety cuff. 1 pair of polymer foam ear plugs. 5 disposable dust masks suitable for protection against non-toxic dust, non-toxic paint sprays and other nuisance dusts. A metal strip allows mask to be set in position around the nose to ensure minimal leakage. Masks are held in place by an elastic strap. Please note goggles and gloves are not suitable for welding applications.

YZ92A (DIY Safety Kit) £8.95

## HOBBYISTS

**Cutters, Drivers,  
Tweezers, Strippers,  
Spanners, Files, Drills,  
Soldering Irons, Vices,  
Clamps,  
and so much more . . .  
(Tools Section)**

## DO IT RIGHT!

PHONE BEFORE  
5PM FOR SAME  
DAY DESPATCH

**0702 554161**



# SLIDE SWITCHES

# SAVE UP TO 20% OFF CATALOGUE PRICES

## Single Pole Sub-Miniature



Sub-miniature SPDT slide switch suitable for use as replacements in calculators, clocks etc. Can be PCB mounted.

Dimensions: Body: 11 x 5 x 6mm  
 Front plate: 19 x 5mm  
 Tang: 3.8mm long (throw 3mm)  
 Tags: 4mm long x 1.5mm wide  
 Fixing centres: 15mm x M2 tapped

Rating: 125V AC 0.3A

FF77J SP Slide  
 NORMAL PRICE 24p **NOW 19p**

## Double Pole Sub-Miniature



A sub-miniature DPDT slide switch with wiring tags.

Dimensions: Body: 15 x 7 x 7.5mm  
 Front plate: 23 x 7mm  
 Tang: 7.5mm long (throw 3.5mm)  
 Tags: 3mm long x 1.5mm wide  
 Fixing centres: 19mm x M2.5 clear

Ratings: 125V AC 0.3A

FH35Q Sub-Min Slide  
 NORMAL PRICE 36p **NOW 28p**

## Double Pole Sub-Miniature Chrome Tang



A sub-miniature DPDT slide switch with wiring tags and a long tubular turned aluminium tang.

Dimensions: Body: 15 x 7 x 7.5mm  
 Front plate: 23 x 7mm  
 Tang: 13.5mm long (throw 3.5mm)  
 Tags: 3mm long x 1.8mm wide  
 Fixing centres: 19mm x M2 tapped

Ratings: 125V AC 0.3A

FF79L Long Chrome Slide  
 NORMAL PRICE 42p **NOW 33p**

## Double Pole Miniature

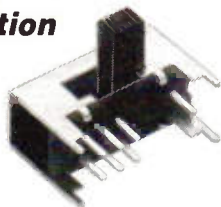
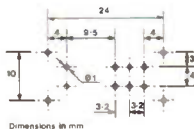


A miniature DPDT slide switch with wiring tags.

Dimensions: Body: 22 x 12.5 x 8mm  
 Front plate: 35 x 12.5mm  
 Tang: 10mm long (throw 5.5mm)  
 Tags: 5mm long x 2.5mm wide  
 Fixing centres: 28mm x M3 tapped

Ratings: 125V AC 0.3A  
 FH36P Std Slide Switch  
 NORMAL PRICE 32p **NOW 25p**

## Right-Angled 2-Pole 3-Position

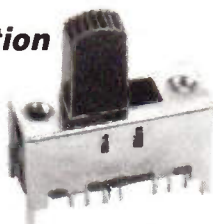
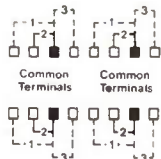


A 2-pole 3-way switch with a horizontal slider with left/right action for pcb edge mounting.  
 Dimensions of body: 25mm wide x 10mm  
 Height above pcb: 14mm

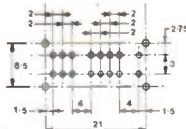
FV02C R/A DT3T Slide  
 NORMAL PRICE 68p **NOW 54p**

## 4-Pole 3-Position

Miniature 4-pole 3-position. Rated 125V AC 0.3A.



Dimensions in mm  
 Holes  
 4 OFF @ 1.2mm  
 16 OFF @ 0.1mm



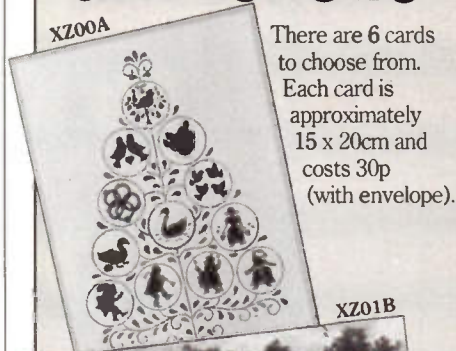
FH38R 4-Pole Slide  
 NORMAL PRICE 86p **NOW 68p**

## MAPLIN SHOPS NATIONWIDE

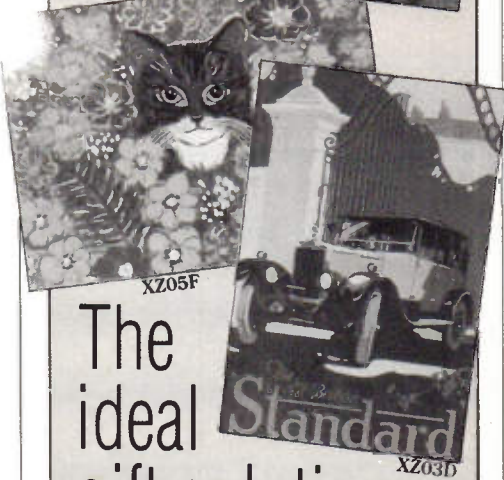
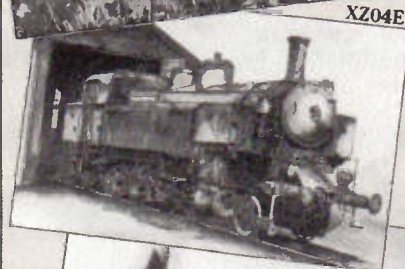
For personal service, visit our shops at:  
**Birmingham** Sutton New Road, Erdington.  
**Brighton** 65 London Road, Bristol  
 302 Gloucester Road, Cardiff 29 City Road,  
**Leeds** Carpet World Building, 3 Regent Street,  
**London** 146-148 Burnt Oak Broadway,  
 Edgware, London 159-161 King Street,  
 Hammersmith, **Manchester** 8 Oxford Road,  
**Newcastle-upon-Tyne** Inside Bennetts  
 Electrical Superstore, 136-168 Shields Road,  
 Byker, **Nottingham** 86-88 Lower Parliament  
 Street, **Reading** 129-131 Oxford Road,  
**Southampton** 46-48 Bevois Valley Road,  
**Westcliff-on-Sea** 282-284 London Road.  
 All items subject to availability.

*For the best value and the best of service*

# Rockin' good... Gift tokens



There are 6 cards to choose from. Each card is approximately 15 x 20cm and costs 30p (with envelope).



The ideal gift solution

Available in £1 (XZ06G), £5 (XZ07H) and £10 (XZ08J) denominations and can be ordered by mail or purchased at one of our many shops.

Note: there is no handling charge when ordering cards or tokens.



# Surrounds you with sound for £99.95

**SAVE £50**  
OFF CATALOGUE PRICE

**E**xperience cinema style sound surround in your own home. Incorporating the Dolby Surround Sound System, the Maplin Dolby Surround Processor is designed for use in the domestic environment. Now you can listen to films such as 'Raiders of the Lost Ark', the 'Star Wars' trilogy and 'Back to the Future' as they were originally intended to be heard. Suitably encoded Dolby Surround material includes many of the feature films that have been produced in Dolby Stereo and subsequently released on video cassette and video disc. Encoded feature films are also broadcast via satellite television, which has stereo capability and on terrestrial television in NICAM Digital Stereo.

The Maplin Dolby Surround Sound Processor offers a host of facilities to anyone who wants to add Dolby Surround to their existing AV system. With the Maplin Dolby Surround Processor, selecting the 'Dolby Surround' mode activates the decoding circuitry allowing

surround sound to be reproduced from suitably encoded material.

Apart from decoding Dolby Surround encoded movies, the unit also provides 'Matrix' and 'Hall' modes. 'Matrix' provides a pseudo-stereo effect for use with mono programmes and films. 'Hall' provides reverberation and ambience to stereo programmes and films that are not Dolby Surround encoded.

A 'Monitor' switch is also provided, which is used to switch to the tape monitor input sockets on the processor. This facility is provided so that when the processor is connected into your existing AV system, the tape deck can still be used without having to swap cables.

The Maplin Dolby Surround Sound Processor offers a great value for money introduction into the world of Dolby Surround Sound, and provides greater realism to movies on the 'small screen'.



**SAVE £50**  
AGAINST CATALOGUE PRICE OF £149.95  
OFFER OPEN TILL 30th JUNE 1991

YU59P Surround Sound Processor **£99.95**. A list of movies released in Dolby Stereo is available from Maplin. Order as XL15R Dolby Film List 40p.



# GREAT SAVINGS ON MULTIMETERS!

## Four of the Best!

Featured here are four multimeters, selected from our main catalogue, representing value for money without sacrificing quality.

**NOW WITH EXTRA SAVINGS AGAINST CATALOGUE PRICES.**

**A comprehensive performer**



YJ08J

A professional quality multimeter that is a comprehensive performer. It features a sensitivity of 20,000 $\Omega$ /volt DC and 8,000 $\Omega$ /volt AC, with a rated accuracy of 3% of F.S.D. for all ranges. In addition to the usual multimeter functions this instrument also has a transistor and diode checking facility. YJ08J Multimeter M-2020S. **NORMAL PRICE £19.95, NOW ONLY £16.95, SAVE £3.**

**SAVE £2 against Catalogue Price!**



YU77J

A completely portable, pocket sized 3½ digit multimeter designed for general purpose use by the engineer, technician, hobbyist and DIY enthusiast. Equipped with 5 functions and 6 ranges, each test position is quickly and easily selected with just a turn of the single selector switch. In addition to the standard voltage, current and resistance ranges, a diode check function is also included. YU77J Multimeter M-26. **NORMAL PRICE £16.95, NOW ONLY £14.95.**

**Highly accurate**



YT92A

Function overrange, low battery indicators and polarity sign are included on the 3½ digit LCD display. This is a highly accurate instrument and in addition to full overload protection on all ranges, a continuity tester is provided. YT92A Multimeter M-5020A. **NORMAL PRICE £49.95, NOW ONLY £44.95.**

**SAVE £4 against Catalogue Price!**

A professional quality multi-range multimeter having a 102mm full 90° arc mirrored three-colour scale with a knife edge pointer needle. It features a sensitivity of 20,000 ohms/volt DC and a rated accuracy of  $\pm 3\%$  F.S.D. for all ranges. In addition to the normal multimeter functions the instrument is capable of measuring transistor  $h_{FE}$ , temperature, decibels and capacitance. An extra rugged safety design complies with UL 1244 and VDE 0411. YP23A Multimeter M-2030ET. **NORMAL PRICE £32.95, NOW ONLY £28.95.**



YP23A

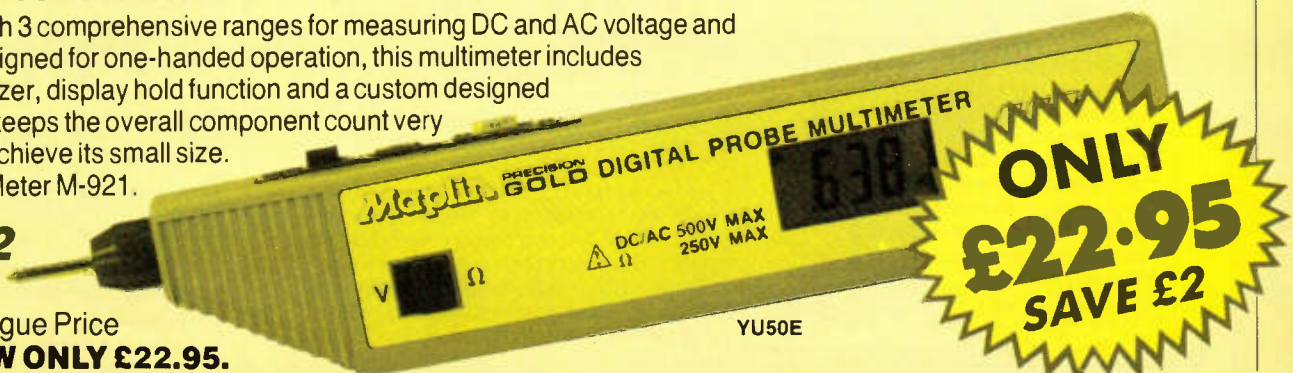
# SPECIAL OFFER

## Digital Probe Multimeter

Autorangeing with 3 comprehensive ranges for measuring DC and AC voltage and resistance. Designed for one-handed operation, this multimeter includes a continuity buzzer, display hold function and a custom designed LSI chip which keeps the overall component count very low in order to achieve its small size. YU50E Probe Meter M-921.

**SAVE £2**

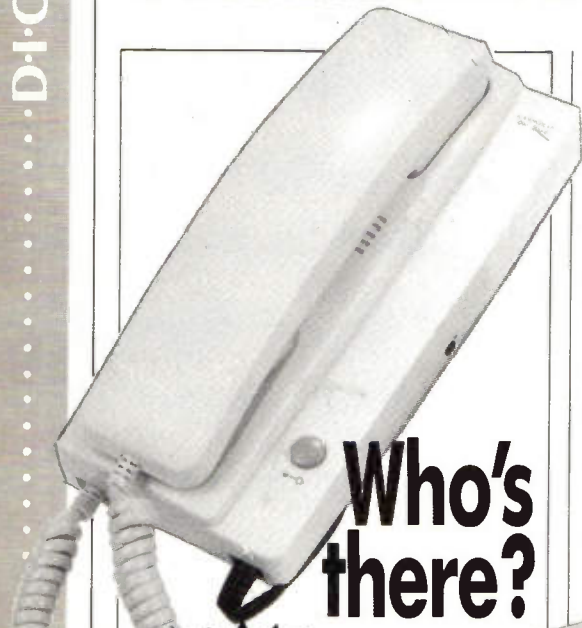
against Catalogue Price of £24.95 **NOW ONLY £22.95.**



YU50E



# COMMUNICATIONS



**Who's there?**

**SAVE £5**  
Normal Catalogue Price £29.95  
**NOW ONLY**  
**£24.95**  
YU51F B



## Identify who's calling at your door — with the MAPLIN DOOR PHONE

A door phone for use in flats or other situations where the identity of a caller needs to be ascertained before a door is opened by remote control. The doorphone consists of two units, a room station and a door station, which are interconnected using twin core cable (e.g. Zip Wire XR39N). Contacts are provided on the room station for operation of a solenoid door lock, suitable type YU89W, connection to the lock will need to be made via separate cables. The door station contacts the room station by pressing the call button, which sounds a chime on the room station. On the occupant picking up the receiver unit on the room station, conversation can take place. Once identity has been ascertained, the door lock can be operated by pressing the door lock release button.

YU51F B Door Phone £24.95

## FM Wireless Intercom 2-Channel

A very high quality intercom which is mains operated and transmits and receives via the mains wiring. No interwiring is required, simply plug each unit into a 240V AC mains outlet socket. The operating system is FM with phase locked loop receivers which gives high quality sound without interference from the mains. The units can transmit or receive on either of two channels which are selected by a switch. Any number of units can be connected, but if there are more than two (or three) then a call on a particular channel will sound the buzzer in more than one unit. (In a master and 2 slaves installation, the master can call each unit, but slaves calling the master may have to call another slave simultaneously depending on which channel the master was left at.) All units are normally left switched on with volume control at half-setting. To make a call, select the appropriate channel and press the call button, as



**SAVE £2**

the unit is normally switched to that channel, the buzzer will sound. When the buzzer stops, the called station should press and hold the talk button and speak. When the talk button is released, the calling station can now speak by pressing his talk button. The volume control can now be adjusted for best received signal level. At the end of the conversation, the calling station will automatically be in standby awaiting the next call. By pressing the lock button, a unit can be locked in transmit mode. Thus the unit could be placed in a baby's room and will transmit continuously to any unit on the same channel which can be moved around with the parents or babysitter and plugged into the mains to receive anywhere in the house. It may also be possible to communicate with neighbours up to about half-a-mile, although this will depend on whether both houses are on the same mains phase and on the same outlet on the local sub-station transformer. Channel carrier frequencies are 120kHz and 140kHz. Overall size: 165mm wide, 115mm deep and 45mm high. Supplied with instructions and approx. 1.4m of mains lead. The attractive modern-styled light-beige units can be desk-top or wall-mounted. Available only in pairs.

Y16S A FM Intercom 2 Chnl **SAVE £2**  
Catalogue Price £24.95 **NOW ONLY £22.95**

## Touch/Auto FM Wireless Intercom

A very high quality intercom which is mains operated and transmits and receives via the mains wiring. No interwiring is required, simply plug each unit into a 240V AC mains outlet socket. The operating system is FM with phase locked loop receivers which gives high quality sound without interference from the mains. The unit can transmit or receive on any one of three channels which are selected by a switch. Any number of units can be connected, but if there are more than three (or four) then a call on a particular channel will sound the buzzer in more than one unit. (In a master and 3



**LOW, LOW, LOW PRICES!**

slaves installation, the master can call each unit, but slaves calling the master may have to call another slave simultaneously depending on which channel the master was left at). All units are normally left switched on with volume control at half setting and with a different channel selected on each unit. To make a call, switch to the appropriate channel and touch the 'Call' sensor. The 'Call' LED will flicker whilst you are touching the sensor to indicate that the calling tone is being transmitted. At the unit normally switched to that channel a beeping tone will be heard. When the beep stops, the called station should touch the 'Talk' sensor and speak. The 'Talk' LED will light. When the called station stops touching their 'Talk' sensor, the calling station can touch their 'Talk' sensor and speak. The volume control can now be adjusted for best received level. Alternatively as soon as the call has been established, either or both parties can touch the 'Auto' sensor. The 'Auto' LED will light. Now when you speak, your voice will automatically be transmitted and when you stop talking the unit will return to the receive mode. Whilst you are talking the 'Talk' LED will light to indicate that you are transmitting. It is not necessary to speak too loudly in automatic mode, a normal voice level should activate the unit from about three feet (1m) away. In areas where there is a high level of background noise, it may be impossible to use the automatic mode. The automatic mode can also be used to monitor a baby's room. Simply touch the 'Auto' sensor on the unit in baby's room and leave it. This unit will now transmit to any unit on the same channel which could be moved around with the parents or babysitter and plugged into the mains to receive anywhere in the house. Of course if you touch your 'Talk' key baby will be able to hear you during any time when baby is quiet.

YP33L A Touch/Auto Intercom £19.95  
YP34M C Tch/Auto Intercom Pair £37.95

**CALL CASHTEL NOW PHONE 0702 552941**





# A FAMILY OF PROTECTION FOR YOUR FAMILY PROTECTION...

**H**ouse, flat, bungalow or mansion, the MSS range of security intruder alarms are designed to give maximum protection and are tailored to suit your individual needs.

The MSS2500 is ideal for small to medium sized domestic installments and has 4 zone protection. Simple to use and simple to install the MSS2500 has a delay zone for entry/exit, a 24-hour zone for personal attack and tamper

monitoring, plus 2 detection zones. (And all three models can be used with any of the detection devices available in the Maplin catalogue.)

XP00A (MSS2500)  £34.95.

A microprocessor present in the MSS3000 acts like a miniature computer, enabling you to select, change or inhibit the many facilities available in the unit. Programmable in minutes and with 6-zone protection, the display of 8 LEDs indicate the status of the system. A remote keyswitch for the MSS3000 is available enabling the system to be armed or disarmed from a separate location.

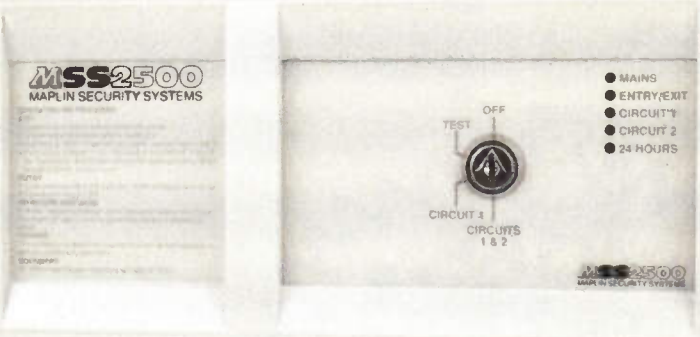
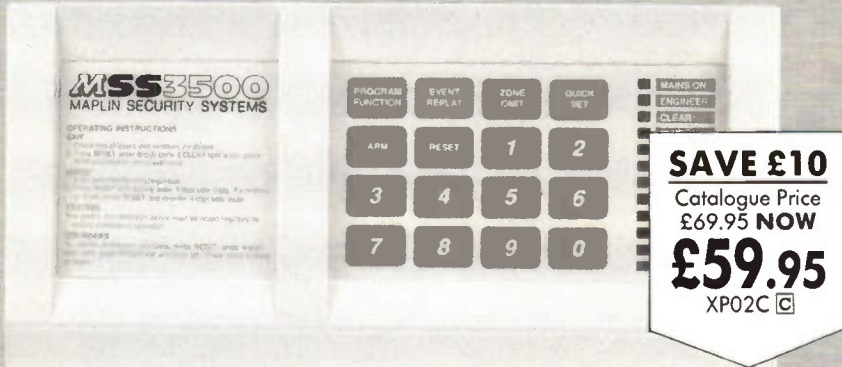
XP01B (MSS3000)  £44.95.

YZ65V (MSS3000 Remote Keyswitch) £10.95.

For large domestic and small, or medium commercial installations look no further than the MSS3500. 9-zone protection that is simple to programme and operate and up to 5 remote keypads can be fitted to the system. Exceptional facilities and user functions, including fire alarm, enable you to select, change or inhibit the many features available. 5-star features 5-star protection, that's the top-of-the-range MSS3500.

XP02C (MSS3500)  £59.95.

YZ66W (MS3500 Keypad) £36.95.





## HIGH QUALITY POWER SUPPLY



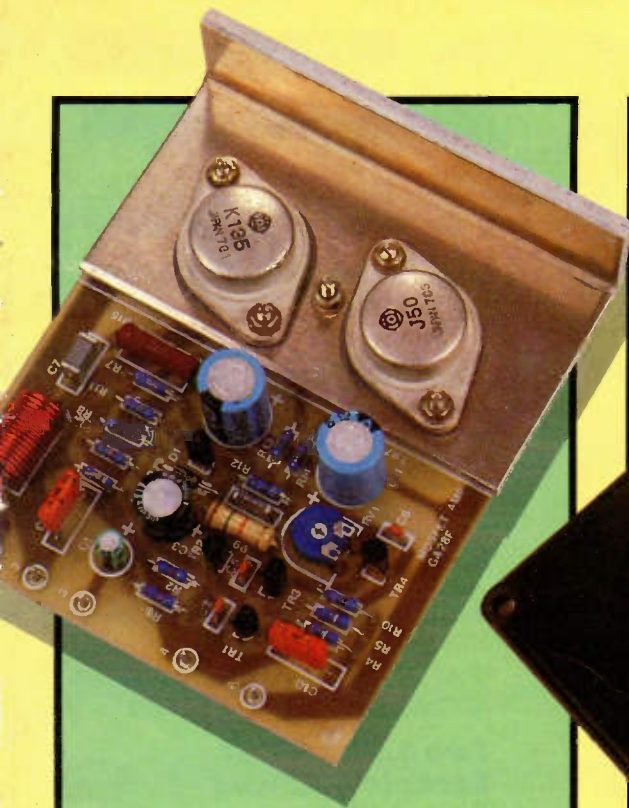
### SPECIAL FEATURES

- ★ AUDIO GRADE TRANSFORMER
- ★ AUDIO GRADE CAPACITORS
- ★ FAST RECOVERY RECTIFIER DIODES
- ★ MULTIFUSE™ PROTECTION
- ★ REGULATED ±12 VOLT AUXILIARY SUPPLY
- ★ 0 VOLT POWER STAR
- ★ HIGH QUALITY FIBREGLASS PCB

LP15R ☐ (HQ PSU Kit) Catalogue Price £74.95

**SPECIAL  
OFFER PRICE**  
**£64.95**  
**SAVE £10**  
LP15R ☐





# MOSFET AMPLIFIER

## Specification of Prototype

### Power Supply Requirements

Voltage:  $\pm 55V$  DC (MAX)

Current: 2.5A (8 $\Omega$ ) - 5A (4 $\Omega$ )

Power Output (1 kHz continuous sine wave)

Rating: 100WRMS into 8 $\Omega$

150WRMS into 4 $\Omega$  (absolute maximum)

Frequency Response: 20Hz to 40kHz

T.H.D.: 0.01% (at 1kHz)

Input Impedance: 47k $\Omega$

Sensitivity: 860mV RMS input (2.43V Pk - Pk) for rated output

Order As LP56L  
(MOSFET Amp Kit)

**ONLY**  
**£19.95**  
LP56L

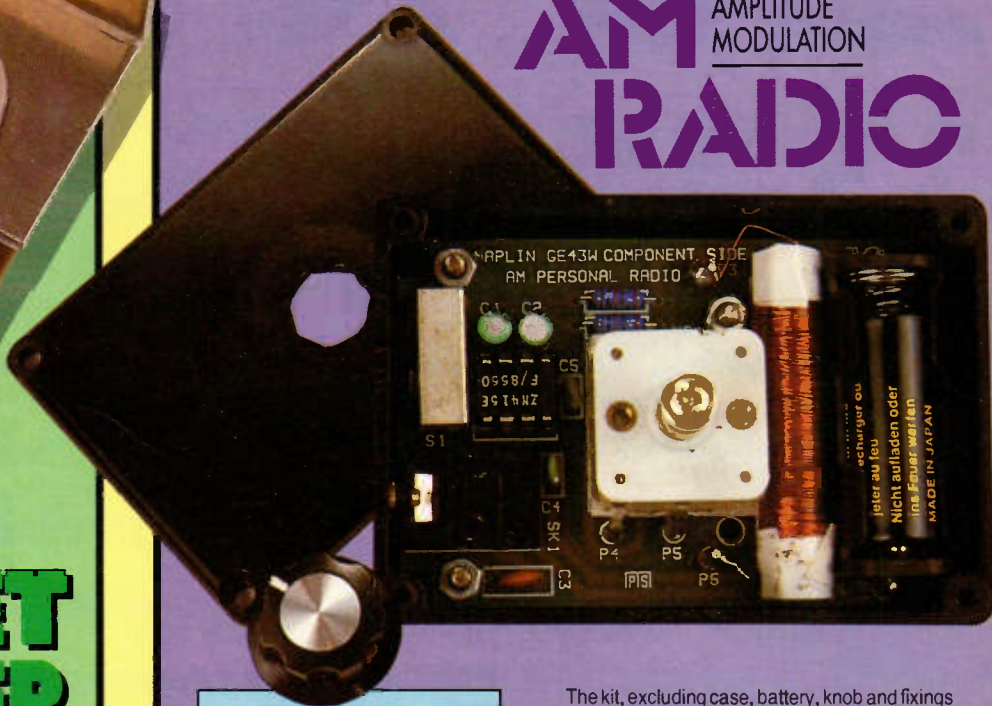
## You've seen the films . . . now read the book!

The Maplin 1991 catalogue is out! Over 600 pages packed with amazing products. From top brand names such as Kodak, Black & Decker and Olympus, etc., to projects and kits designed by the Maplin team. Available from all branches of **WHSMITH** and Maplin shops nationwide, only £2.45, or telephone 0702 554161, the Maplin hotline, only £2.95 inc. p+p.



# BEGINNERS' AM RADIO

AMPLITUDE MODULATION



## FEATURES

- ★ ON-BOARD ATTENUATOR
- ★ COMPACT DESIGN
- ★ INTEGRAL AERIAL
- ★ HEADPHONE OPERATED POWER ON/OFF

**ONLY**  
**£6.95**  
LP28F

The kit, excluding case, battery, knob and fixings is available:

Order As LP28F (Beginners' AM Radio) Price  
£6.95


To complete the project you will need the following items:

Verobox 301	(LL12N)	98p
Alkaline KN Battery	(FM13P)	68p
Knob K7A	(YX01B)	42p
Spacer 4BA x 1/4 inch	(FW31J)	£1.36p
Poziscrew M2.5 x 12mm	(BF40T)	16p
Isoshake M2.5	(BF45Y)	10p
isonut M2.5	(BF59P)	20p

## D.I.Y. Neighbourhood Watch Security Alarm

A complete single zone home burglar alarm kit. Simple to install—simple to use, and exceptional value for money.

- The kit contains: ★ 1 microchip control unit. ★ Bell box and siren. ★ 4 pairs of magnetic contacts. ★ 1 personal attack button. ★ 1 large pressure mat. ★ 1 stair pressure mat. ★ Anti-tamper microswitch. ★ 50 metres of four core security cable. ★ Cable clips and fixings.

★ Easy to follow instruction booklet.  
★ Siren housing label.  
The power for the system is by 12 volt battery (not supplied) which is housed in the bell box. We recommend two HP992 batteries (YJ23A) connected in series. XM97F  (DIY Alarm Kit).



**SAVE**  
**£10**

Catalogue Price £54.95  
**NOW ONLY**  
**£44.95**  
XM97F 



# 20% OFF CATALOGUE PRICES!

## 3.5mm STEREO JACK CONNECTORS

### Right-Angled Plug

A right-angled stereo 3.5mm jack plug.

FA38R R/A 3.5mm Stereo Plug  
Normal Price 42p **NOW 33p**

### Screened Plug

A 3.5mm stereo jack plug with a metal barrel and coiled spring cable relief sleeve.

FJ99H Mtl Stereo 3.5mm Jk  
Normal Price 52p **NOW 41p**

### Chassis Socket

A stereo 3.5mm chassis socket in a tubular metal screen. Mounting hole 6.3mm dia.

FK03D Ster 3.5mm Ch Jk Skt  
Normal Price 38p **NOW 30p**

### PCB Socket

Viewed from top



0.1 inch matrix  
Hole  $\bullet$   $\phi$  1.2mm  
Hole  $\circ$   $\phi$  1.4mm



A 3.5mm stereo jack socket for PCB mounting. Measures 12 x 6 x 14mm excluding pins.

JM23A PCB 3.5 Sto Socket  
Normal Price 32p **NOW 25p**

### PCB Socket

Viewed from top



0.1 inch matrix  
Holes  $\phi$  1.5mm

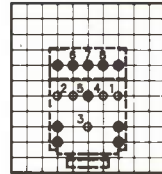


A PCB mounting stereo 3.5mm jack socket with two contacts which break when the plug is inserted.

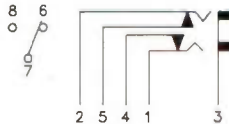
FK20W PCB 3.5mm Ste Jk Skt  
Normal Price 48p **NOW 38p**

### PCB Socket with 1 Pole 2 Way Contacts

Viewed from top



0.1 inch matrix  
Hole  $\bullet$   $\phi$  1.2mm  
Hole  $\circ$   $\phi$  1.4mm

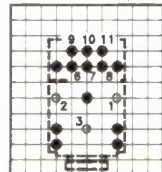


A 3.5mm stereo jack socket for PCB mounting. Socket has terminals for main socket contacts and also has 1 pole 2 way switch contacts. Measures 12 x 6 x 18.5mm excluding pins.

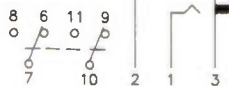
JM22Y PCB 3.5 Sto SPCO Skt  
Normal Price 48p **NOW 38p**

### PCB Socket with 2 Pole 2 Way Contacts

Viewed from top



0.1 inch matrix  
Hole  $\bullet$   $\phi$  1.2mm  
Hole  $\circ$   $\phi$  1.4mm



A 3.5mm stereo jack socket for PCB mounting. Socket has terminals for main socket contacts and also has 2 pole 2 way switch contacts. Measures 12 x 6 x 20.5mm excluding pins.

JM21X PCB 3.5 Sto DPCO Skt  
Normal Price 52p **NOW 41p**

### Plastic Line Socket

A 3.5mm stereo line socket with plastic body and strain relief sleeve.

RK51F Stereo Plas 3.5 Skt  
Normal Price 36p **NOW 28p**

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### Two-Into-One Adaptor

Allows two 3.5mm stereo plugs to be used with one 3.5mm stereo socket.

FP34M Twin 3.5 Sk/3.5 Plg  
Normal Price 98p **NOW 78p**

### Two 3.5mm Mono Sockets to 3.5mm Stereo Plug

Allows two 3.5mm mono jack plugs, one carrying the left and one carrying the right channel of a stereo signal to be connected to a 3.5mm stereo socket.

JM91Y 2x3.5 Mono 3.5 Sto  
Normal Price £1.10 **NOW 88p**

### Stereo Phono Socket Adaptor

Allows two phono plugs, one carrying the left and one the right channel of a stereo signal to be connected to a 3.5mm stereo socket.

JK14Q Phono/Stereo 3.5mm  
Normal Price 98p **NOW 78p**

### Two 1/4in. Stereo Sockets to 3.5mm Stereo Plug

Allows two stereo 1/4in. jack plugs to be connected to one 3.5mm stereo jack socket.

JB20W 2x1/4skt x3.5plg Sto  
Normal Price 98p **NOW 78p**





# *No spit, all polish,*



A great way to put the shine back on your car. This Auto-polisher works from your car cigarette lighter socket and 12 volt negative ground system on cars, boats and caravans etc.

Supplied with three functional heads to give you a really fine shine, plus 15 feet of cord, all for the amazing price of only £8.95. Available from our shops nationwide or telephone your order through on 0702 554161 and polish up a sparkle!

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**£8.95**

[B] YZ37S

# *no sweat!*



# POWER CONNECTORS

## 1.3mm Plug



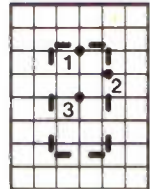
A miniature DC power plug as used with the Walkman-type personal stereo cassette players. Suitable only for use with matching socket having 1.3mm dia. pin.

FK05F Mini DC Pwr Plug  
Normal Price 26p **NOW 20p**

## 1.3mm PCB Socket



Viewed from top



0.1 inch matrix  
Holes Ø 1.2mm



A PCB mounting socket compatible with 1.3mm Walkman type plugs.

FK07H PCB Min DC Pwr Skt  
Normal Price 36p **NOW 28p**

## 1.3mm Plug to 2.1mm Socket Adaptor



Converts 2.1mm power plug to 1.3mm for use with Walkman-type cassette power sockets.

FK08J DC 2.1-1.3mm Adapt  
Normal Price 48p **NOW 38p**

## 1.3mm Plug to 2.5mm Socket Adaptor



Converts 2.5mm power plugs to 1.3mm for use with Walkman-type cassette power sockets.

FK09K DC 2.5-1.3mm Adapt  
Normal Price 48p **NOW 38p**

## 1.3mm Plug to 3.5mm Mono Jack Socket Adaptor



An adaptor which enables a 3.5mm mono jack plug to be used with Walkman-type cassette players using 1.3mm power sockets.

FK10L DC 3.5-1.3mm Adapt  
Normal Price 48p **NOW 38p**

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## CATALOGUE PRICES

## Standard 2.1mm Plug



2.1mm power plug of standard length.

HH60Q Std Power Plug 2.1  
Normal Price 26p **NOW 20p**

## Long 2.1mm Plug



2.1mm power plug having a long reach.

HH61R Long Pwr Plug 2.1  
Normal Price 28p **NOW 22p**

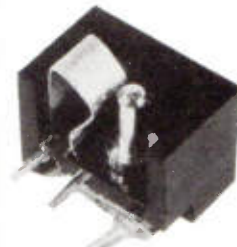
## 2.1mm Socket



2.1mm chassis socket with break contact suits Standard Power Plug 2.1. Fixing centres: 24mm. Hole diameter: 2mm.

HH85G Power Skt 2.1  
Normal Price 32p **NOW 25p**

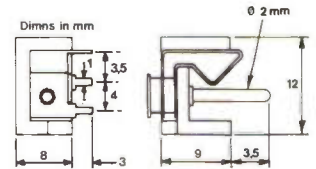
## 2.1mm Socket Printed Circuit Mounting



Viewed from above



0.1 inch matrix  
Holes Ø 1.2mm



A DC socket that mounts directly onto PCB's. Eliminates internal wiring. Intended for low voltage and current applications. Should not be used at currents greater than 2A or DC voltages greater than 50V. Ideal for most 12V DC powered items.

RK37S PC Mtg Power Socket  
Normal Price 32p **NOW 25p**

## 2.1mm Line Socket



A 2.1mm in-line socket.

JK11M Power Line Skt 2.1  
Normal Price 42p **NOW 33p**

## Standard 2.5mm Plug



2.5mm power plug of standard length.

HH62S Std Pwr Plug 2.5  
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# PCB EQUIPMENT PCB EQUIPMENT PCB EQUIPMENT



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XM72P

## PCB Component Mounting and Soldering Frame

An ingenious and flexible solution to component insertion and soldering problems. The extruded aluminium frame will hold a PCB with dimensions up to 185 x 235mm. The first stage of PCB assembly is to clamp the board in position using the adjustable clamp bars. The PCB is held firmly by 8 spring clips and the components can now be inserted. Once insertion is complete, the foam padded lid is fitted, which holds the components in position. The frame is then turned over and the underside of the board can be soldered and leads cropped without components falling out. Overall size 260 x 240 x 50mm.

XM72P  PCB Assembly Frame £29.95

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## Bubble Etching Tank

An ingenious and easy-to-use bubble etch tank. Ideal for development work in laboratories, schools, colleges and universities. The bubble etching tank consists of a smoked acrylic tank, with integral air distribution channel, the PCB being etched may be clearly observed whilst in the tank. Supplied with the tank are two supporting feet which simply clip into place on the tank, a thermometer, air-tube, tank lid and lengths of titanium wire to support the PCB during etching (titanium wire will not be attacked by normal ferric chloride etching solution). Pump and heater are not supplied with the tank and must be purchased separately. Suitable pump and heater are (YZ69A) and (JU66W) are available.

YZ34M  Etch Tank was £39.95 NOW £29.95  
YZ69A Pump for Etch Tank was £9.95 NOW £9.45  
JU66W Heater for Etch Tank was £14.95 NOW £13.95

**ETCH SYSTEM ONLY**  
**£9.95**   
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XB43W

The 'Seno GS' etching and tinning systems are a completely safe, clean and extremely simple way of producing PCBs for laboratory, school or home use.



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Each system comprises a two section heavy duty polythene sleeve with the etching or tinning chemicals sealed in the lower section. A prepared board is placed in the upper compartment and the top of the sleeve is sealed. The seal between compartments is removed and the etching tinning solution flows over the board. A constant visual check on the board is possible while processing is taking place. When the processing of the board is complete, the liquid is drained into the lower compartment which is then sealed off again. The top seal is now removed and some water poured in, to rinse the board. Now simply remove the perfect board - all without personal contact with the chemicals.

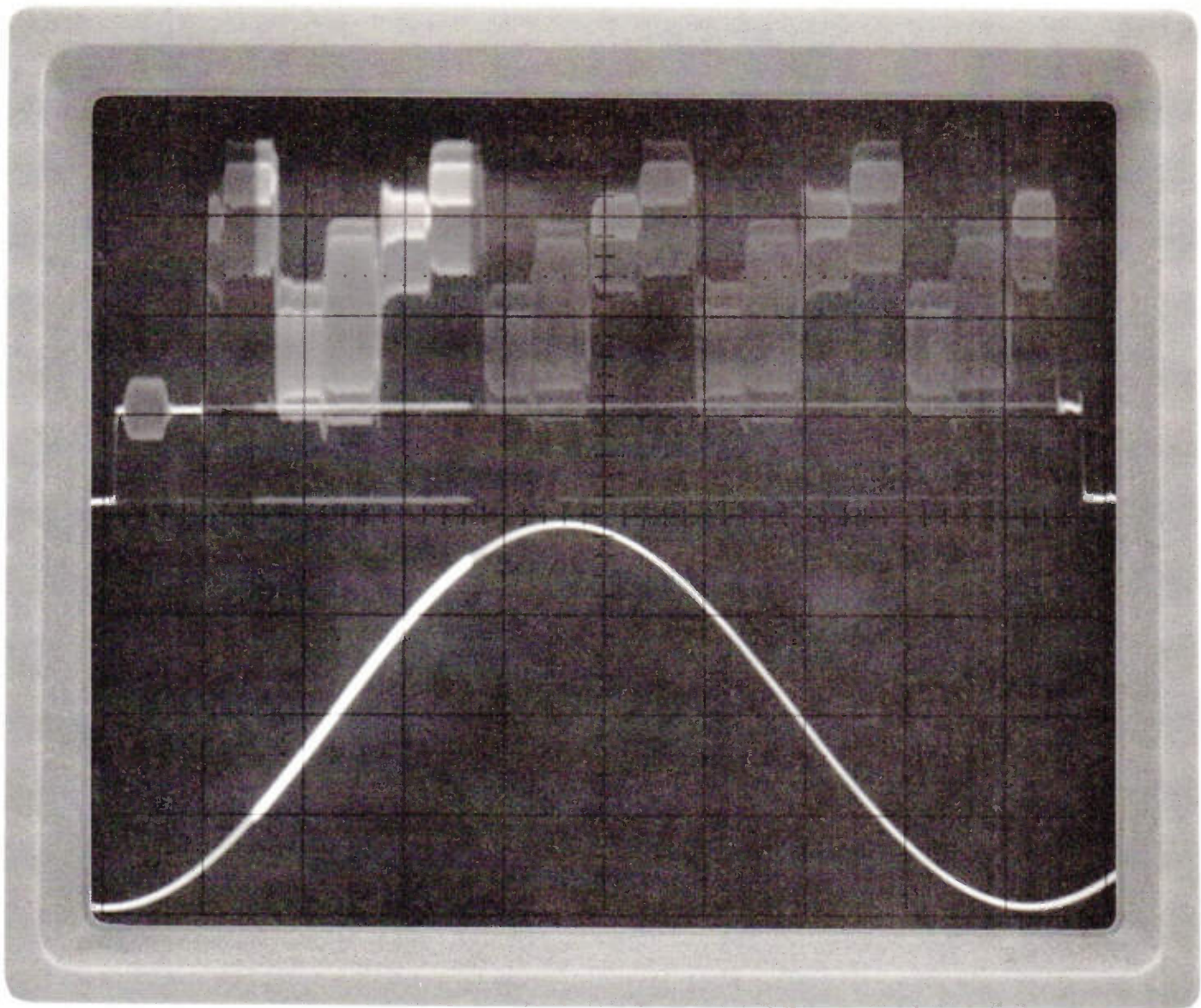
A special neutraliser and hardener are provided so that when processing chemicals are exhausted, they can be neutralised. These are mixed together in the sealed bag. After two hours, the pack is a semi-hard mass which is ready for disposal straight into the dustbin. Etchant is sufficient for approximately 1600cm<sup>2</sup> of copper.

Etching and tinning systems are separate and must be ordered as such.  
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XB43W  Seno Etch System £9.95  
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**XJ61R (20MHz Triple Scope)** Catalogue Price £334.95, **NOW**  **£299.95.**

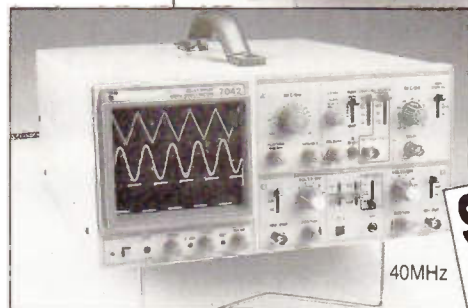
**XJ60Q (40MHz Triple Scope)** Catalogue Price £549.95, **NOW**  **£499.95.**

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