

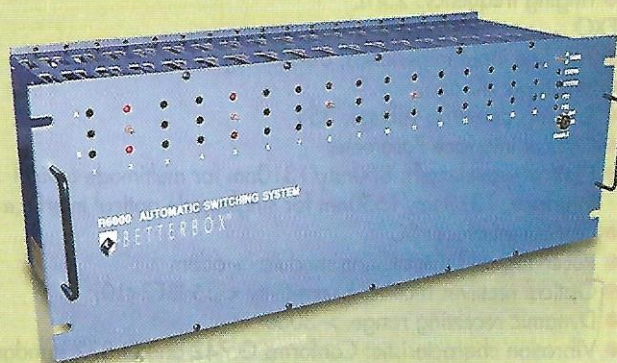
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Automatic Switching...

Accessing your devices remotely, whether it is across the room or from a different country, has become a necessity for many Network Managers. The increase in remote sites means an increase in potential equipment failures and to call out your network engineers at unsociable hours is costly. A device which allows you to access your equipment remotely can save on costs and time in diagnosing and resolving a problem. BetterBox® can offer a vast range of solutions ranging from reboot systems to remote switches & device sharers, to devices that will allow you to remotely analyse your LAN's activities. Included in the BetterBox® product range is the R6000 Series switch. This rackmount solution offers you total control over your switching needs whether it's for fibre circuits or for switching power.

With the increased need for small and large companies to access remote sites, there is the increased pressure on the providers of leased lines and other communications links to provide a high quality problem free service. However, in the real world this is not always the case, therefore, a facility to act as a backup is advisable, especially if your business is dependent on these communication lines. You can get a number of different solutions from BetterBox® including switches which when activated by line failure switch to an alternative modem or circuit to devices that automatically transfer you from a failed leased line to a temporary ISDN line until your main connections can be re-established.



Is your printer bi-directional? High Quality?...

If it is, then you need to use one of our electronic printer sharers. Unlike a manual switch there is no chance of electrical power damaging your printer when switching between printers or PCs. Our switches have many features including first-come first-served switches, buffers, bi-directional support and more. One of our most popular switches is the USB SWITCH. This switch is ideal for USB device sharing between PC's. This very handy little device allows up to 4 users to share a USB peripheral without the need to constantly swap cables or set up complicated network sharing software.

Switches

Auto/SCSI/Manual



Fibre Optic Secure Switch

Secure fibre optic switching in a full duplex mode.

Description

This switch is intended for the switching of one duplex host connection between two attached devices. An included 5 volt DC power module supplies drive power to the rotating mirror mount through a rotary switch located on the front panel of the unit. Connect the Host (shared) device to Port C. Connect one remote device to Port A and the second remote device to Port B. This full duplex switch supports separate transmit and receive paths and fibre pairs must be connected consistently. Setting the control knob to 'A' will route signals from Port C to Port A. Rotating the control knob to 'B' will connect signals from Port C to Port B. Both IN and OUT (Rx and Tx) connections are switched simultaneously.

This switch uses a mechanical technique to effect the switching action and it should be placed in a location that is relatively free from vibration and mechanical disturbances. The unit may be left in a powered state indefinitely. It is not necessary to remove power from the unit when it is not in use. Note that power is applied internally to effect switching to Port B. Port C is connected to Port A when no power is applied to the switch. When using this device in full-back mode, connect the full-back link to Port A.

FEATURES

- All-optical switching using a gold-plated spherical mirror - switching action is controlled by rotating the mirror. The rotation mechanism is managed electronically.
- Completely transparent to optical signalling rates
- ST, SC or SMA connectors
- Standard 62.5 / 125 um Multimode fibre; other sizes on special order
- A/B switching operation for dual fibre systems
- Tabletop enclosure is standard. Rack-mount enclosures are available. Please call for details.

**SPECIFICATIONS**

- Sensitivity: 750 to 1450 nanometers
- Crosstalk: -45 dB typical per FOTP-42
- Insertion Loss: 0.5 dB typical @ 1300 nm per FOTP-34 method B
- Vibration tolerance: 15 Gs on 3 axes per FOTP-11
- Physical shock: 15 Gs on 3 axes per FOTP-14
- Compatibility: 62.5/125 Multimode Fibre
- MTBF: 100,000 Hrs or 1,000,000 cycles
- Switching speed: 5 msec typical, 10 msec maximum
- Operating temp: -10° C to +65° C
- Size: 64 x 203 x 160mm (HWD)
- Weight: 1.8Kg including power supply
- Power: 5 volts DC from inc. power module

Order Code	Description	Price
G-FBRSW01	Fibre Optic Secure Switch ST Conn	£499.00
G-FBRSW02	Fibre Optic Secure Switch SC Conn	£499.00
G-FBRSW03	Fibre Optic Secure Switch SMA Conn	£499.00

2 to 1 Fibre Switch for Fast Ethernet, ATM, FDDI and more!

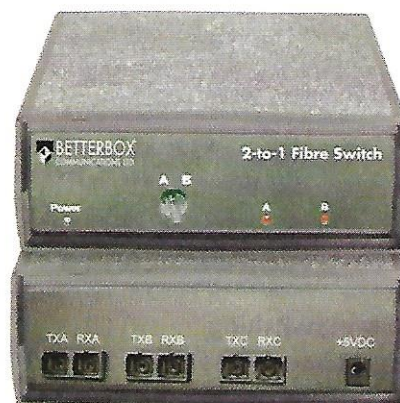
Description

The BetterBox® FSW459 is a low-cost Fibre Optic switch designed to physically isolate network segments, access Private and Public Networks from a single PC while maintaining full isolation between both Networks, and to manually control Network traffic routing when trouble develops in a link. The FSW459 is controlled just like any standard manual A/B data switch. A front panel-mounted rotary switch provides direct positive control of fibre optic connections. This switch is suitable for Commercial-Grade applications. The best 2 to 1 Fibre Optic Switching in one low cost unit!. The FSW459 is available with SC or ST connectors. See part numbers below.

FEATURES

- Ideal for switching a common duplex fibre port between two fibre links while keeping them completely separated
- Fully compliant with Fast Ethernet, ATM and FDDI optical Standards
- Available with SC or ST connectors
- Front Panel LED indicators confirm Network connection
- Built-in Fibre Transceivers allow for distances of up to 2Km using 1300nm MM fibre
- Your ideal Network Backup solution
- Lifetime Warranty
- Optional Redundant Power Supply

Order Code	Description	Price
G-FSW459SC	Table-Top with SC connectors	£259.00
G-FSW459ST	Table Top with ST connectors	£259.00

**SPECIFICATIONS**

- Interfaces: SC or ST, 1300nm Duplex Multimode.
- Compliance: Fast Ethernet, ATM and FDDI.
- Indicators: 1 for power and 2 for switch position (All LEDs).
- Power: 230VAC/50Hz wall mounted PSU (48VDC and Universal are also available).
- Dimensions: 57mm H x 152mm W x 140mm D.
- Weight: 0.8kg including PSU (Appx).

R6000 Chassis Based SNMP Managed Switches

Highly Versatile, Easy Access 4U Chassis Based Switching System with SNMP options.

Description

The 6000 A/B switch connects port A or port B to port C, through latching relays. The switches are designed to fit into a 4U high 19-inch rack. The rack has 18 slots, two of which are used by the A/B Switch Controller / External Power Supply card. The 16 remaining slots can hold up to 16 rack A/B switch cards. Each A/B switch card can be individually switched, or the entire rack can be switched from the A/B switch controller card. The 4U rack has a keyed switch to enable and disable switching from this rack. The controller has two RJ11 ports, used to daisy chain up to 64 racks into a single system, allowing a single rack to control all racks in the system. The A/B switch controller can be controlled with a +/- 12 VDC signal, or a remote toggle switch. The A/B switch controller is available in three options: (Logic Only, Processor, and SNMP). The Logic Only version allows Rack and System Gang Switching, in addition to the individual switching allowed on each A/B Switch Card. The Processor version allows all features of the Logic Only version, with the addition of RS-232 communication on the gang-in and gang-out connectors. This allows racks to be addressed, and individual A/B Switch Cards within the rack to be switched with serial commands. The SNMP version allows all features of the Processor version, with the addition of an Ethernet port for SNMP commands. There can only be one SNMP capable card in the system, and it must be in the first rack in the system. The Fibre Optic A/B switch uses the same latching relays to control an optical switch. The optical switch however is not latching. Therefore, if power is lost, the optical switch will connect port A to port C. When power is re-applied, the latching relay will cause the optical switch to reconnect the port selected prior to the loss of power.

FEATURES

- ◆ 18 Slot 4U Easy Access Chassis
- ◆ Keyed Switch to enable & disable switching functions
- ◆ SNMP Management card available
- ◆ Each card uses latching telecommunications relays
- ◆ Up to 64 racks can be daisy chained together in one system
- ◆ Cards can be switched individually or together

► Easy to use

Manual switching or remote control.

► Versatile

Mix different types of switches in one chassis.

► Reliable

Dual powers supply option for redundancy.

► Secure

Key Switch prevents unauthorised switching & tampering.

► All Optical Fibre Switching

MicroMirror technology switches the optical beam itself.



Order Code	Description	Price
G-R6CHASSIS	R6000 Rack Mount 4U Chassis	£229.00
G-R6232CONT	RS232 Controller Card with Dual PSU	£399.00
G-R6CTRSNP	SNMP Control Card (software not included)	£699.00
G-R6PSU	Power Supply Unit	£79.00
G-R62329	A/B RS232 (DB9) Switch Card	£129.00
G-R623225	A/B RS232 (DB25) Switch Card	£149.00
G-R6X21	A/B X.21 DB15 Switch Card	£134.00
G-R6ETHER	A/B Ethernet (RJ45) Switch Card	£129.00
G-R6FIBRE	A/B Fibre Optic Switch Card	£699.00
G-R6POWER	AC On/Off Power Switch Card	£154.00
G-R6LOGIC	Logic Only Switch Card	£259.00
G-R6BLNK	Blanking Plate	£5.50

SPECIFICATIONS

- ◆ Dimensions: 158mm x 147mm x 19" (HDW)
- ◆ Power: 12VDC 5A PSU (included)
- ◆ Connectors:
 - RJ45 A/B Switch: 3 RJ45 Connectors
 - Fibre Optic A/B: SC, ST or SMA Connectors
 - DB25 A/B Switch: 3 DB25 Female Connectors
 - A/B Controller: 1 x RJ45, 2 x RJ11
 - Two position DC Power Entry
 - Alarm Contact Terminal Block

► Customisation Options

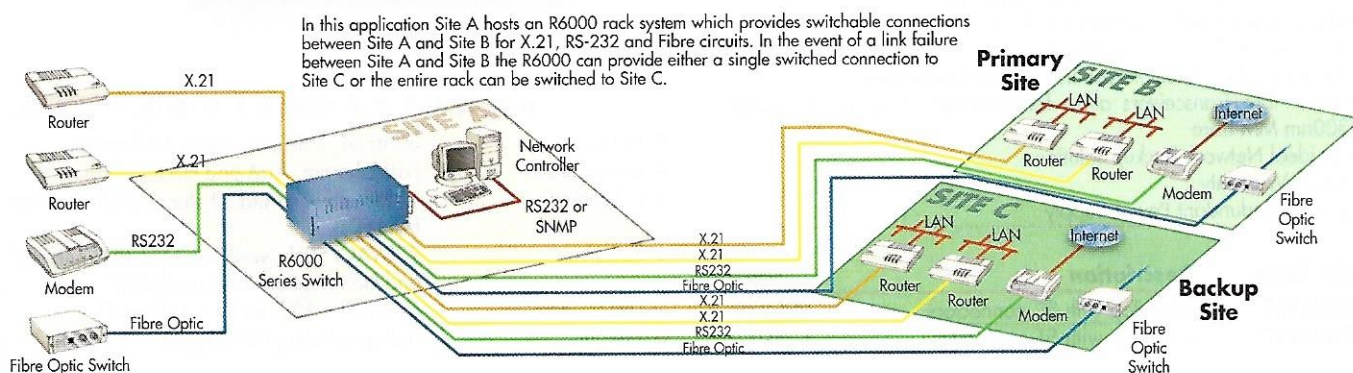
If you have a requirement not listed please call our Technical Team on 01908 561400.

► Centralised Power Supply

Our Centralised power supply reduces the amount of power points required, allows you to switch the power supply on or off and includes a dual PSU set-up for increased resilience.

► Rack Card Management Options

The varieties of controller card exist to meet your requirements. Logic Only, Processor & SNMP.



R5000 Series Switch

The R5000 Series switching system supports a variety of switching and control applications in a compact chassis.

Image depicts R5CHASSIS loaded with R5fibre cards (ST mode)



Description

The new R5000 Series switching system supports a variety of switching and control applications in a compact chassis. Standard switch cards have RJ45, DB15 or DB25 connectors plus Fibre Optic options are also available, this enables you to mix different types of switch cards like Ethernet and RS232, in the same rack. The A/B switch cards and switch controller have been designed for new installations and can also be cascaded from existing 5000-RM** series switches. Advanced firmware design helps you extend your existing switch chains beyond the 1024 card limit while maintaining the features and operation of present installations.

The fibre optic card option features an all-optical, full duplex fibre optic switch that supports signals from 740 to 1450 nanometers with only 1.5 dB of loss at 1300 nm (includes connector losses). They are transparent to data rates and formats – unlike many "similar" products. Activating the switch forces the spherical mirror to rotate, redirecting the optical beams. This ensures high isolation and makes it an ultimate fibre optic fall-back switch. The new R5000 series A/B switch connects the I/O port to port A or port B through latching telecommunication relays. The cards slot into a 2U (3.5" high) 19-inch rack. The rack has 18 slots, two of which are used by a power supply. You can add a second power supply for redundancy. The rack can hold 15 A/B switch cards and an A/B Switch Controller card with one power supply installed (or 13 if the optional redundant PSU is used). Each A/B switch card can be individually switched and the entire rack can be switched from the A/B Switch Controller card. The A/B switch controller card has a keyed switch to enable and disable switching from this rack. Racks can easily be daisy-chained to control multiple units from a single rack.

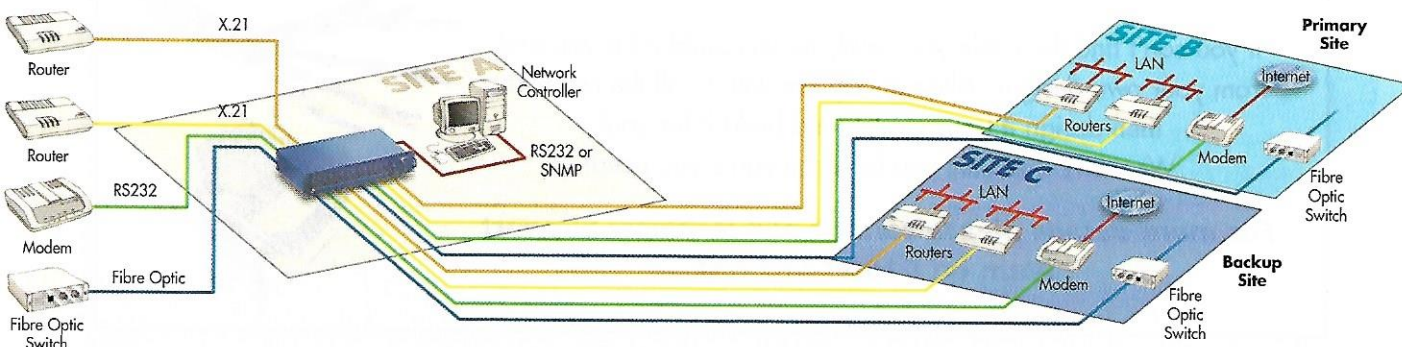
Order Code	Description	Price
G-R5CHASSIS	R5000 Rack Mount Chassis	£199.00
G-R5PWR	Power Supply Card	£189.00
G-R5232	A/B RS232 (DB25, RS530) Card	£134.00
G-R52329	A/B RS232 (DB9) Card	£119.00
G-R5ETHER	A/B Ethernet (RJ45) Card	£119.00
G-R5DB15	A/B DB15 Card	£124.00
G-R5POWAB	On/Off Power Switching Card	£Call
G-IC2001-232	RS232 Control Card	£199.00
G-R5CTRSNP	SNMP Control Card (softw. not included)	£699.00
G-R5FIBRE	Fibre Optic A/B Card	£699.00
G-IC2001-BLNK	Blanking Plate	£3.50

FEATURES

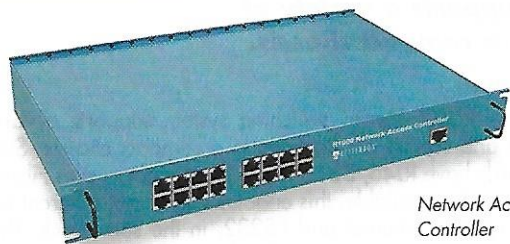
- ◆ Dual power supply capacity
- ◆ Space-saving rack design
- ◆ Unlimited extension capability
- ◆ Optional control from a PC serial port with communications software
- ◆ Extend existing installations by adding to ADC® 5000 Series switches
- ◆ Space-saving rack design improves efficiency
- ◆ SNMP control card
- ◆ Fibre card features:
 - Full duplex optical fibre cards use a unique spherical mirror
 - Standard 62.5 micron core multimode fibre – others available
 - SC or ST connectors
- ◆ Individual, gang and RS232-controlled switching
- ◆ Standard RS232 gang-in port allows optional control using a personal computer serial communications port.
- ◆ SNMP Control Card - please call for details.
- ◆ Can use two power supplies in one rack for redundancy.

SPECIFICATIONS

- ◆ Power supply:
 - 90 – 264 VAC input (48 VDC input models are available).
 - Relay alarm contacts and power ON indicator.
- ◆ A/B switch card features (all types):
 - A/B toggle switch, A/B indicator
 - 8-position dip switch addressable serial interface.
 - DB25, DB15 and RJ45 cards switch all leads. The DB25 card is suitable for switching RS422 ports pinned to the RS530 interface standard
 - Standard fibre optic cards support full duplex, 62.5 um core multimode fibre with ST or SC connectors and incorporate a unique mirror mechanism to switch 820 - 1300 nm signals that is transparent to data rates. Optional fibre sizes and types are available.
- ◆ RS232 A/B control card features: Rack A/B toggle switch, System push-button switch, Rack switch enable/disable key-lock switch, Dual RJ11 ports for "gang-in" and "gang-out" system connections.
- ◆ "Gang-in" and "gang-out" ports use RS232 communications as a standard.



R1000 Series



Network Access
Controller

FEATURES

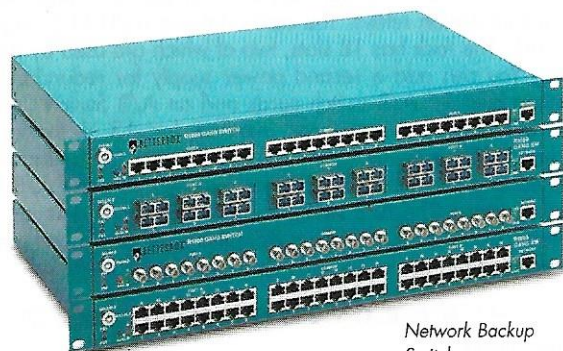
- ◆ 8 or 16 port (4-wire RJ45), 10/100Mbps
- ◆ 4 or 6 port fibre optic multimode, ST connections
- ◆ Quick and easy to install
- ◆ All switches completely transparent to data format and rate
- ◆ Simple and secure web based control
- ◆ Daisy-chain manual units from a single remote control unit for unlimited channels from a single web interface.
- ◆ Redundant power supply available

Description

Control Workstation access to your network or segments of your Network with the R1000 Network Access Controller. The R1000-NAC is a multi-port Ethernet or fibre optic A/B switch with remote control via SNMP and WEB access. Physically disconnect your workstations or workgroups from the Corporate or sensitive network during non-working times to prevent unauthorised or accidental access to important/confidential information. Quickly isolate a core network segment when a hack attempt is detected on your system. Don't rely on user passwords or other software or workstation based access methods to protect your valuable network resources. After all, you can't hack a connection that's not there.

Order Code	Description	Price
G-R1000-NAG-8R	8 port Ethernet, remote control switch	£429.00
G-R1000-NAC-16R	16 port Ethernet, remote control switch	£549.00
G-R1000-NAC-4FR	4 port fibre optic, remote control switch	£1,299.00
G-R1000-NAC-6FR	6 port fibre optic, remote control switch	£1,769.00

Singlemode fibre is available on special order - Please call.



Network Backup
Switch

Description

Switch a group of network connections from a failed hub, switch, or router to an on-line backup unit using manual local and/or remote control via SNMP or web access. The R1000-NBS is multi-port Ethernet or fibre optic A-B switch used to provide physical bypass of a failed access point device (hub, switch, or router). No need to send an engineer to an offsite location. Switch from active to backup equipment for maintenance, reconfiguration, or service, without affecting your networks operation. When data is your business, the network is your lifeline. Switching can be easily performed using the built-in Ethernet port and sending commands via SNMP or remotely via a Web command.

Order Code	Description	Price
G-R1000-NBS-8	8 port Ethernet, manual switch	£299.00
G-R1000-NBS-8R	8 port Ethernet, remote control switch	£429.00
G-R1000-NBS-16	16 port Ethernet, manual switch	£429.00
G-R1000-NBS-16R	16 port Ethernet, remote control switch	£549.00
G-R1000-NBS-4F	4 port fibre optic, manual switch	£1,159.00
G-R1000-NBS-4FR	4 port fibre optic, remote control switch	£1,279.00
G-R1000-NBS-6F	6 port fibre optic, manual switch	£1,649.00
G-R1000-NBS-6FR	6 port fibre optic, remote control switch	£1,769.00

FEATURES

- ◆ 8 or 16 port, 10/100 Mbps (4-wire RJ45)
- ◆ 4 or 6 port fibre optic multimode, ST connections
- ◆ Quick and easy to install
- ◆ All switches completely transparent to data format and rate
- ◆ Simple and secure web based control
- ◆ Daisy-chain manual units from a single remote control unit for unlimited channels from a single web interface.
- ◆ Redundant power supply available

Custom Cables ...at your fingertips

If you can't find the cable you need, we will build it for you and from your own designs. Alternatively, we will do all the research, then design it from scratch and build it for you!
We won't stop until you have the cable you need!

**For more details please contact our Technical Support
Team on 01908 561400**





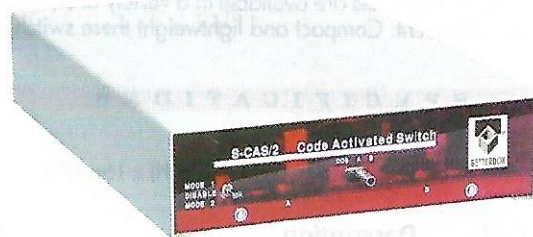
RS-232 / V.24 Code Activated Switch

The ideal solution when switching serial communications between a master port and up to 8 subordinate ports.

Description

The SCAS002, SCAS004 and SCAS008 are three models of Code Activated Switches designed to switch serial communication devices between a master port and up to eight subordinated ports. The master device (CPU/Terminal) can select any of the eight subordinate ports (printers/modems/terminals) by transmitting the proper control and switch address code. While the communication link is established, all other ports are locked out until either the master port or selected subordinate port sends the selected switch code. With the SCAS004 and SCAS008 the communication link can also be made by any of the subordinated devices selecting the channel while the switch is in the SWITCH TIME (unlocked) mode. This is one of the most flexible RS-232 compliant data switches in the industry. 4 and 8 channel modes come in stand-alone or EIA rack-mounted configurations. The CAS supports most modem protocols and uses standard ASCII or extended ASCII switching codes. The CAS can be configured to accept hardware switch control on modem connect and disconnect as an added security feature. Transparent mode makes the CAS ignore all arming characters while data transmission is in progress. A selectable timeout delay allows the CAS to accept another arming character after the preset timeout expires. User selectable features include: word length, bit rate, stop bits, DCE/DTE, Xon/Xoff mode, graphics, arming character, transparent mode, inactivity timeout, default power-up and lockout.

Order Code	Description	Price
G-SCAS002	2 Port Serial Code Activated Switch	£289.00
G-SCAS004	4 Port Serial Code Activated Switch	£349.00
G-SCAS008	8 Port Serial Code Activated Switch	£429.00

**FEATURES**

- ◆ All ports are DB25 female
- ◆ DCE or DTE
- ◆ 115/230 volt power
- ◆ Approved by AT&T Bell Labs
- ◆ Standalone or rackmount
- ◆ User selectable switching code, Bit rate, word format, handshaking, graphics mode, non activity time out.
- ◆ UL, C-UL and CE certified

SPECIFICATIONS

- ◆ Power: 115/220 wallmount power supply or internal 115/230 Vac power supply
- ◆ Size: 178 (W) x 152 (D) x 60 (H) mm
- ◆ Enclosure: Aluminium with plastic front plate
- ◆ Interface: RS-232 C/V.24
- ◆ Connectors: 1, 3 position toggle switch (enable mode control and disable). 1, 3 position toggle switch (code activation, manual channel, A or B selections). Internal dip switches for DCE/DTE selection on all ports
- ◆ Indicators: 2 LEDs channel indicators (A or B)
- ◆ Addressing: Consists of a two code sequence, where the first digit signifies the user selected

Autoswitches - with Four Choices of Control

Automated Switches for RS232 (Sync/Async), Signalling.**Description**

- 1) Manually from the front panel push-button
- 2) Automatically by raising or lowering pin 6 or 20
- 3) Automatically by raising or lowering pin 10 on port C
- 4) Data Activity with user selected timeout between 0.5s & 68min
- 5) Remotely with optional plug in module

SW201B-R2; (2 to 1, RS232, Sync/Async)

The SW201B-R2 has three DB25 female connectors and switches pins 2, 3, 4, 5, 6, 8, 15, 17, 20 & 24 with Pins 1 & 7 common. The switching action is either Port A or Port B to Port C.

FEATURES

- ◆ Data rates: Transparent
- ◆ Timeout Interval: User selectable from 0.5 Sec to 68 Minutes
- ◆ Relays: Sealed, BT 47W approved
- ◆ Power: 230 Vac, 50Hz
- ◆ Dimensions: 70mm x 205mm x 150mm (HWD)
- ◆ Enclosure: All metal



Order Code	Description	Price
G-SW201B-R2	2 to 1 RS232 Sync/Async	£149.00

Low Cost Serial & Parallel Switches with a 2 year Guarantee!

Description

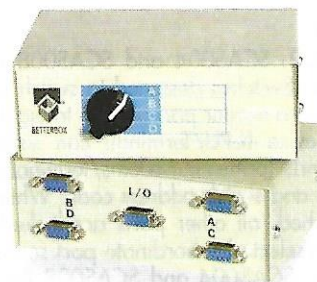
Our lowest cost switches are available in a variety of standardised formats and offer an excellent choice in environments where the switching actions are infrequent. Compact and lightweight these switches are backed by our own 2 year guarantee.

SPECIFICATIONS

- ♦ Leads switched: All
- ♦ Interface: DB-9
- ♦ Dimensions: 16cm (W) x 10cm (H) x 15cm (D)
- ♦ Connectors: Female on all ports

Order Code	Description	Price
G-SWAB9L	Serial DB-9, 2 to 1 switch	£21.00
G-SWABCD9L	Serial DB-9, 4 to 1 switch	£26.00

SWABCD9L



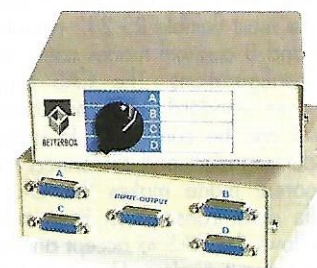
For Cables See
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SPECIFICATIONS

- ♦ Leads switched: All
- ♦ Interface: DB-15
- ♦ Dimensions: 16cm (W) x 10cm (H) x 15cm (D)
- ♦ Connectors: Female on all ports

Order Code	Description	Price
G-SWAB15L	Serial DB-15, 2 to 1 switch	£22.00
G-SWABCD15L	Serial DB-15, 4 to 1 switch	£29.00

SWABCD15L



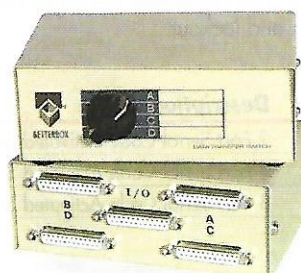
For Cables See
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SPECIFICATIONS

- ♦ Leads switched: All
- ♦ Interface: DB-25
- ♦ Dimensions: 16cm (W) x 10cm (H) x 15cm (D)
- ♦ Connectors: Female on all ports

Order Code	Description	Price
G-SWAB25L	Serial DB-25, 2 to 1 switch	£19.00
G-SWABC25L	Serial DB-25, 3 to 1 switch	£22.00
G-SWABCD25L	Serial DB-25, 4 to 1 switch	£24.50
G-SWABCDXL	Serial DB-25, Crossover switch	£59.00
G-SWAB3225L	Serial DB-25, 3 to 2 switch	£59.00

SWABCD25L



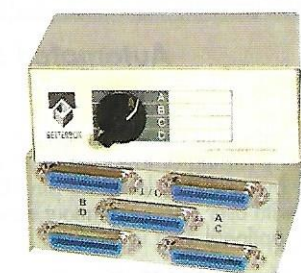
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SPECIFICATIONS

- ♦ Leads switched: All
- ♦ Interface: 36 way Centronics
- ♦ Dimensions: 16cm (W) x 10cm (H) x 15cm (D)
- ♦ Connectors: Female on all ports

Order Code	Description	Price
G-SWAB36L	Parallel Centronics, 2 to 1 switch	£24.00
G-SWABC36L	Parallel Centronics, 3 to 1 switch	£28.00
G-SWABCD36L	Parallel Centronics, 4 to 1 switch	£31.00
G-SWABCDXL-36	Parallel Centronics, Crossover switch	£65.00
G-SW3236L	Parallel Centronics, 3 to 2 switch	£65.00

SWABCD36L



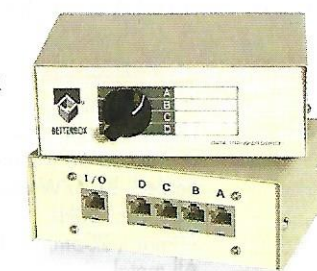
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SPECIFICATIONS

- ♦ Leads switched: All
- ♦ Interface: RJ-9 /11/12 or 45
- ♦ Dimensions: 16cm (W) x 10cm (H) x 15cm (D)
- ♦ Connectors: Female on all ports

Order Code	Description	Price
G-SWABRJ9L	RJ-9, 2 to 1 switch	£22.00
G-SWABCDRJ9L	RJ-9, 4 to 1 switch	£25.00
G-SWABRJ11L	RJ-11, 2 to 1 switch	£22.00
G-SWABCDRJ11L	RJ-11, 4 to 1 switch	£25.00
G-SWABRJ12L	RJ-12, 2 to 1 switch	£22.00
G-SWABCDRJ12L	RJ-12, 4 to 1 switch	£25.00
G-SWABRJ45L	RJ-45, 2 to 1 switch	£22.00
G-SWABCDRJ45L	RJ-45, 4 to 1 switch	£25.00

SWABCDRJ45L



For Cables See
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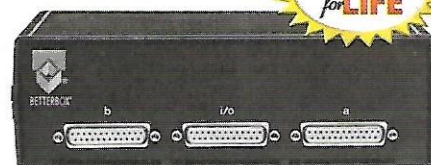
Serial AB-25 Switch (2 to 1)

Description

Two to one 'T' Switch used to share one serial printer or modem with two computers or other V.24 devices.

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Power: None required
- ◆ Connectors: Three, D type, 25 way, female
- ◆ Pins supported: AB25/24 - All 25 pins switched
AB25/12 - Pins 1 and 7 tied common, 2 - 6, 8, 15, 17, 20, 22, 24 and 25 switched
AB25/4 - Pins 1 and 7 tied common, 2, 3, 6 and 20 switched
AB25/LCK - Same as above but with key lock



Guaranteed
for **LIFE**

Order Code	Description	Price
G-SWAB25/24	(All pins switched Serial or Parallel)	£46.00
G-SWAB25/12		£39.00
G-SWAB25/4		£35.00
G-SWAB/LCK	(Serial or Parallel)	£99.00
G-SWX25/24	Crossover Version (all pins switched)	£65.00
G-SWX25/12	Crossover Version (12 pins switched)	£59.00
Male Connectors (optional)		No Charge

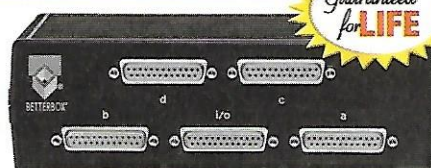
Serial ABCD-25 Switch (4 to 1)

Description

Four to one 'T' Switch used to share one serial printer or modem with up to four computers or other V.24 devices.

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Power: None required
- ◆ Connectors: Five, D type, 25 way, female
- ◆ Pins supported: ABCD 25/24 - Pins 1 tied common, 2 to 25 switched
ABCD 25/12 - Pins 1 and 7 tied common, 2-6, 8, 15, 17, 20, 22, 24 and 25 switched
ABCD 25/4 - Pins 1 and 7 tied common, 2, 3, 6 and 20 switched



Guaranteed
for **LIFE**

Order Code	Description	Price
G-SWABCD25/24	(All pins switched Serial or Parallel)	£65.00
G-SWABCD25/12		£55.00
G-SWABCD25/4		£45.00
Male Connectors (optional)		No Charge

Serial 6 to 1 (ABCDEF) Switch

Description

Our 6 to 1 switch allows you to share one resource by up to six users or one user to select one of up to six resources.

SPECIFICATIONS

- ◆ Dimensions: 103mm (H) x 230mm (L) x 222mm (W)
- ◆ Weight: 0.6Kg
- ◆ Power: None required
- ◆ Connectors: 7, D type, 25 way female
- ◆ Pins supported: 16, 1 through 12, 15, 17, 20 and 22



Guaranteed
for **LIFE**

Order Code	Price
G-SW0065	£145.00

Serial DB-9 Switches

Description

This switch is available in 'T' or 'X' configuration and can be used in conjunction with equipment manufactured by IBM, APPLE, TEXAS INSTRUMENTS, NCR and any other 9-pin devices (i.e. video).

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.5Kg
- ◆ Power: None required
- ◆ Connectors: Three or four, D type, 9 way, female
- ◆ Pins supported: All pins switched



Guaranteed
for **LIFE**

Order Code	Description	Price
G-SWABD9	2 to 1 Switch	£45.00
G-SWABD9/LCK	2 to 1 Lockable Switch	£85.00
G-SWABCD9	4 to 1 Switch	£59.00
G-SWABCDEF	6 to 1 Switch	£105.00
G-SWX9	2 to 2 Switch	£89.00
Male Connectors		No Charge



X.21 DB-15 Switches

Description

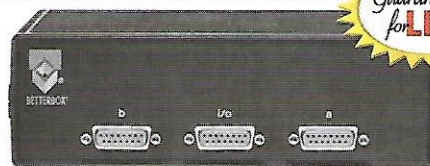
Two to one, four to one or 'X' type switch used on applications involving KiloStream, Ethernet, NCR point-of sale terminals, and any other devices using 15 way D type connectors.



For Cables See
Page 28

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.5Kg
- ◆ Power: None required
- ◆ Connectors: 3, 4 or 5, D type, 15 way, female.
- ◆ Pins supported: All pins switched



Guaranteed
for **LIFE**

Order Code	Description	Price
G-SWAB15	2 to 1 Switch	£69.00
G-SWAB15/LCK	2 to 1 lockable Switch	£79.00
G-SWABCD15	1 Switch	£95.00
G-SWX15	2 to 2 Switch	£105.00
Male Connectors		No Charge

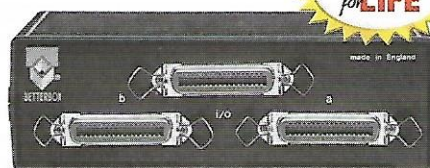
Centronics / Parallel 36-Pin Switches

Description

This switch is used on applications with any equipment fitted with the 36-pin Centronics connectors (as commonly used on most printers).

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.5Kg
- ◆ Power: None required
- ◆ Connectors: 3, 4 or 5, 36 way, centronics, female
- ◆ Pins supported: AB36 - All 36 pins are switched
ABCD36 and X36 - 24 pins switched



Guaranteed
for **LIFE**

Order Code	Description	Price
G-SWAB36	2 to 1 Switch	£85.00
G-SWABCD36	4 to 1 Switch	£99.00
G-SWX36	2 to 2 Switch	£115.00
Male Connectors (optional)		No Charge

The USB SWITCH is ideal for USB Printer and Scanner sharing

Description

Can be combined with a USB hub to share multiple devices e.g. printers, scanners, etc. Very simple to install and use Bus-powered so no external power supply is required. Electronic switching via push button or from the PC keyboard hotkeys (hotkey switching is not available for Mac and SUN computers). Compatible with all USB equipped computers including PCs and Macs This very handy little device allows up to 4 users to share a USB peripheral without the need to constantly swap cables or set up complicated network sharing software. It's ideal for sharing a printer or scanner in a small office environment. It's also great for use at home if you have multiple PCs or Macs. Please note: this switch requires manual control to select the active port (using hotkeys or push buttons). It does not 'automatically' switch between ports



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100% Made in England

Guaranteed
for **LIFE**

Order Code	Description	Price
G-USBSWITCH2	2 port USB switch	£16.95
G-USBSWITCH4	4 port USB switch	£28.95

SPECIFICATIONS

- ◆ Supports USB 1.1 and USB 2.0 devices
- ◆ Connectors: 1 x USB Type A Female (USB Device) and 2/4 x USB Type B Female (Computer)
- ◆ Maximum cable lengths: 2m (input), 2m (output)
- ◆ A USB Type A to B Cable (not included) is required for each computer and device connection.

VGA/SVGA Only Switches

Description

These VGA/SVGA switches are built with high quality components and allow you to share one VGA or SVGA screen with up to 6 PCs.

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.8Kg
- ◆ Power: None required
- ◆ Connectors: HD-15 pin sockets
- ◆ Pins supported: 12 pins switched



Guaranteed
for **LIFE**

Order Code	Description	Price
G-SW0064AB	2 to 1 Switch	£65.00
G-SW03065ABCD	4 to 1 Switch	£70.00
G-SW03065ABCDEF	6 to 1 Switch	£165.00



RJ-11 & RJ-45 Switches

Description

These switches were designed to work with modular cabling systems and are available in three configurations, AB, ABCD and X.
NOTE: When ordering specify 'RJ-11' or 'RJ-45'.

Guaranteed
for **LIFE****SPECIFICATIONS**

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.45Kg
- ◆ Power: None required
- ◆ Connectors: 3, 4 or 5, RJ-11 or RJ-45 sockets
- ◆ Pins supported: 4 on RJ-11, 8 on RJ-45

Order Code	Description	Price
G-SWABRJ45/SWABRJ11	2 to 1 Switch	£44.00
G-SWABCDRJ45/SWABCDRJ11	4 to 1 Switch	£49.00
G-SWABCDEFRJ45/SWABCDEFRJ11	6 to 1 Switch	£49.00
G-SWXRJ	2 to 2 Switch	£105.00

ISDN Switches

Description

These switches allow you to share a Basic Rate ISDN circuit between two devices such as Terminal Adapters. These switches are unterminated and should only be used on long line extensions in conjunction with an external terminator. Internally terminated units are available, please call our Sales Team for a quotation.

Guaranteed
for **LIFE****SPECIFICATIONS**

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Power: None required
- ◆ Connectors: 3, 4 or 5, RJ-11 or RJ-45 sockets
- ◆ Pins supported: 4 on RJ-11, 8 on RJ-45

Order Code	Description	Price
G-SWABISDN	2 to 1 Switch	£45.00

Ethernet Transceiver (AUI) Switches

Description

These Ethernet AUI switches allow you to switch a single AUI interface, such as a transceiver between two devices such as a PC for testing purposes.

Guaranteed
for **LIFE****SPECIFICATIONS**

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.6Kg
- ◆ Power: None required
- ◆ Connectors: Three, 15-way D-type with posts or slide latches
- ◆ Pins supported: All pins switched

Order Code	Description	Price
G-SWABAUI	2 to 1 Switch	£89.00
G-SWABCAUI	4 to 1 Switch	£115.00

Ethernet Manual Switch

Description

The BetterBox® switch was designed as a simple solution to allow the user to switch between up to 4 ethernet 10Base-T networks or four up to 4 PCs to share one network connection.

Guaranteed
for **LIFE****SPECIFICATIONS**

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.5Kg
- ◆ Power: None required
- ◆ Connectors: 3 or 5, RJ-45 Sockets
- ◆ Pins supported: All wires switched

Order Code	Description	Price
G-SWABETHER	2 to 1 Switch	£59.00
G-SWABCEETHER	4 to 1 Switch	£69.00

Male Connectors Not Available



G.703 Switches

Description

This switch was purposely designed to be used with G.703 equipment. It comes fitted with two BNC connectors per channel. Both connectors are transferred simultaneously. Available on AB, ABCD and X configurations.

**SPECIFICATIONS**

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.5Kg
- ◆ Power: None required
- ◆ Connectors: 6, 8 or 10, BNC female
- ◆ Pins supported: Both centre pin and shield are switched

**Order Code****Price**

G-SWAB703 (2 to 1)	£79.00
G-SWABCD703 (4 to 1)	£105.00
G-SWX703 (crossover)	£99.00

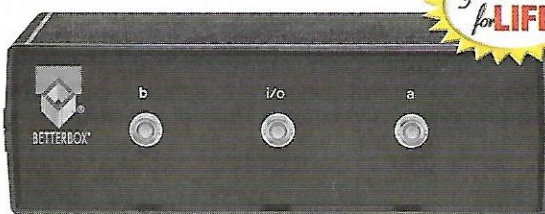
Coaxial BNC or TNC Switches

Description

The Coaxial switch allows you to switch between controllers, or alternately share one port of the controller with 3 of 4 terminals. This Coaxial switch will switch both the centre conductor and shield. Three versions are available, AB, ABCD and 'X'.

**SPECIFICATIONS**

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.5Kg
- ◆ Power: None required
- ◆ Connectors: 3, 4 or 5, BNC or TNC, female.
- ◆ Pins supported: Shield and centre pins switched

**Order Code****Price**

G-SWABCX (2 to 1)	£42.00
G-SWABCDXC (4 to 1)	£79.00
G-SWXCX (crossover)	£69.00
Male Connectors	Not available

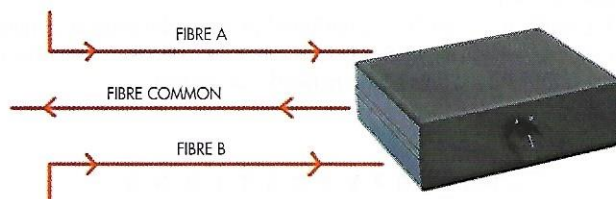
Fibre Optic Secure Switch

Secure Fibre Optic switching in a full Duplex mode.**Description**

The Fibre Optic Secure Switch is a full duplex optical switch used typically to connect a single workstation between two networks or remote devices. The design, operation and function of the switch couldn't be simpler; when you turn the knob on the front of the switch to select a network, the Secure Switch redirects the light beam from Port A to Port B by rotating a gold-plated, spherical mirror. The only electrical signal used is the DC power that rotates the mirror.

**SPECIFICATIONS**

- ◆ Sensitivity: 750 to 1450 nanometers
- ◆ Crosstalk: -45 dB typical per FOTP-42
- ◆ Insertion Loss: 0.5 dB typical @ 1300 nm per FOTP-34 method B
- ◆ Vibration tolerance: 15 Gs on 3 axes per FOTP-11
- ◆ Physical shock: 15 Gs on 3 axes per FOTP-14
- ◆ Compatibility: 62.5/125 Multimode Fibre
- ◆ MTBF: 100,000 Hrs or 1,000,000 cycles
- ◆ Switching speed: 5 msec typical, 10 msec maximum
- ◆ Operating temp: -10° C to + 65° C
- ◆ Size: 64 x 203 x 160mm (HWD)
- ◆ Weight: 1.8Kg including power supply
- ◆ Power: 5 volts DC from inc. power module.

**Order Code****Description****Price**

G-FBR5W01	Fibre Optic Secure Switch ST Conn	£499.00
G-FBR5W02	Fibre Optic Secure Switch SC Conn	£499.00
G-FBR5W03	Fibre Optic Secure Switch SMA Conn	£499.00

CABLE-THRU Twinaxial Switch

Description

The Cable-Thru Twinaxial Switch is ideally suited to work with IBM Systems 34, 36, 38 and 5220 on applications where you need to switch a terminal or a printer between two twinaxial systems.

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.6Kg
- ◆ Power: None required
- ◆ Connectors: 5 Twinaxial, female
- ◆ Pins supported: Both pins are switched



Order Code	Description	Price
G-SWCTHTWX	2 to 1 Switch	£Call
Male Connectors Not Available		



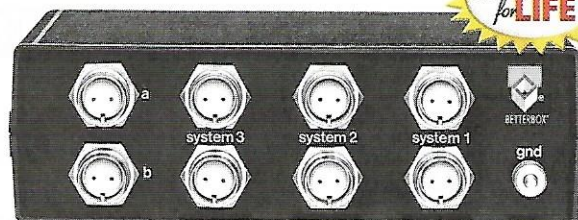
3 To 2 Twinaxial Switch

Description

With the 3 to 2 Twinaxial Switch you are able to interface any two of three IBM Systems 34, 36 or 38 with two output devices such as a printer and terminal, with both working simultaneously. The remaining system is cabled through the switch.

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.5Kg
- ◆ Power: None required
- ◆ Connectors: 8, Twinaxial, female.
- ◆ Pins supported: Both pins are switched



Order Code	Price
G-SW32TWX	£Call
Male Connectors Not Available	



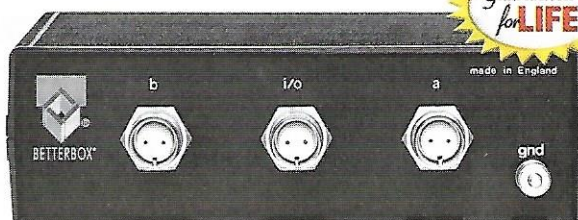
Twinaxial Switches

Description

These Twinax switches will allow you to switch any equipment fitted with Twinaxial connectors such as IBM Systems 34, 36, 38 and 5220. Available in three versions, AB, ABCD, and X.

SPECIFICATIONS

- ◆ Dimensions: 63mm (H) x 153mm (L) x 203mm (W)
- ◆ Weight: 0.55Kg
- ◆ Power: None required
- ◆ Connectors: 3, 4 or 5, Twinaxial, female
- ◆ Pins supported: Both pins are switched



Order Code	Price
G-SWABTWX	£Call
G-SWABCDTWX	£Call
G-SWXTWX	£Call
Male Connectors Not Available	



3 or 8 Port 19" Rack Mount Switch Systems

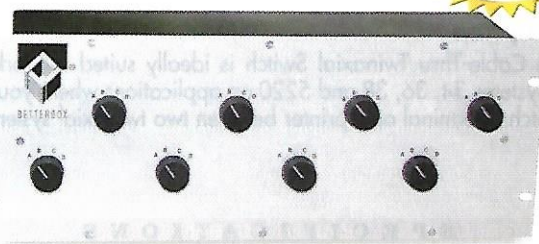
Description

Our Rackmount Switches are a versatile and easy way to organise your switching requirements. Our rack system will take up to eight switches of any mix and match. All rackmount switches meet the same high quality and specification of our standalone units. If your initial requirement is only for a few positions to be filled but with possible future expansion, don't worry, we supply the rack already fully punched so any time you require additional switches we supply you with a complete easy to install mounting kit, which takes only a few minutes to install.

Our 2U chassis will accept up to three switches of your choice. The modules are fitted before shipping, and if your requirements change you can return the switch for a factory upgrade. Call our sales team for a quote.

SPECIFICATIONS

- ◆ Dimensions: 483mm (W) x 178mm (H) x 178mm (D)
- ◆ Weight: Variable with configuration
- ◆ Power: None required
- ◆ Interfaces available: Same as Standalone switches



Guaranteed
for **LIFE**

Order Code	Description	Price
G-SWRM08	4U Chassis Unloaded for up to 8 Switch Modules	£67.00
G-SWRM082	2U Chassis for up to 3 Switch Modules (factory fitted)	£53.00

Modules for these chassis are listed opposite. If have a requirement and cannot find the module listed please call our Technical Specialists on 01908 561400 who will be glad to help.

Popular Ready Built Rack Switches

G-SWRM0825R	4U Chassis Loaded with 8 x RMAB25/24	£420.00
G-SWRM08CXR	4U Chassis Loaded with 8 x RMAB703	£489.00

Custom Build Rack Mount Switches

Description

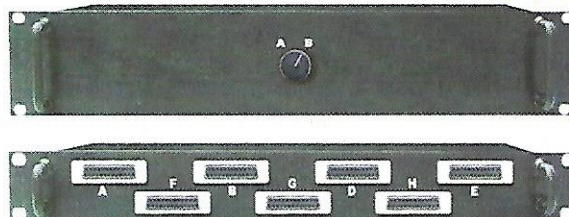
For those applications that require specialised switching capabilities or where extra functionality is required then we can offer a custom build solution.

Our experienced support team can help determine your exact requirements, design the switch to your specifications and then we can build and test all our switches on-site to ensure correct functionality and reliability.

All customised products come with a lifetime guarantee to give you that extra peace-of-mind.

SPECIFICATIONS

- ◆ Dimensions: To your Specification
- ◆ Weight: To your Specification
- ◆ Power: To your Specification
- ◆ Colour: To your Specification
- ◆ Interfaces available: To your Specification



Guaranteed
for **LIFE**

Order Code	Price
G-CUSTOMSWITCH	£Call

Customised Solutions - Here's some that we did previously!

Order Code: 270826

This switch was designed for use with I/O Digi cards and switched 64 wires in an A or B action.

Order Code: 270861

This 8 to 1 UNIX console switch utilises a Keep Alive feature that allows you to switch between console sessions whilst ensuring that the remaining 7 unconnected devices do not drop their session.

Order Code: 270900

This switch was designed so that specific cross connections between ports would take place whilst other connections would not be made.

Order Code: 270992

This push button switch allows you to route a single composite video single to one of 24 outlets.

Order Code: 271148

This switch allows you to switch an incoming 2 wire circuit between 10 outputs via an IDC punch down strip.

Order Code: 271300

Designed for security reasons this switch allows you to switch between a LAN and Modem connection ensuring that simultaneous connections are not permitted.



Rackmount Switch Modules (for chassis options see left)

V.24 Switches

Type	Order Code	Specifications as on page	Price
AB25/24	G-RMAB25/24	241	£46.00
AB-25/12	G-RMAB25/12	241	£40.00
AB-25/4	G-RMAB25/4	241	£33.00
AB-25/LCK	G-RMAB25/LCK	241	£75.00
ABCD-25/24	G-RMABCD25/24	241	£85.00
ABCD-25/12	G-RMABCD25/12	241	£67.00
ABCD-25/4	G-RMABCD25/4	241	£50.00
X-25/24	G-RMX25/24	241	£79.00
X-25/12	G-RMX25/12	241	£65.00
3 to 2 PC	G-RM32PC	241	£99.00
6 to 1	G-RM0065	241	£89.00

Other 'D' Type Connector Switches

Type	Order Code	Specifications as on page	Price
AB-9	G-RMAB9	241	£39.00
AB9/LCK	G-RMAB9/LCK	241	£85.00
ABCD-9	G-RMABCD9	241	£55.00
X-9	G-RMX9	241	£55.00
AB-15	G-RMAB15	242	£45.00
AB-15/LCK	G-RMAB15/LCK	242	£95.00
ABCD-15	G-RMABCD15	242	£65.00
X-15	G-RMX15	242	£69.00
AB-37	G-RMAB37	242	£86.00
ABCD-37	G-RMABCD37	242	£105.00
X-37	G-RMX37	242	£110.00
AB-50	G-RMAB50	243	£98.00
ABCD-50	G-RMABCD50	243	£125.00
X-50	G-RMX50	243	£180.00

Twinaxial Switches

Type	Order Code	Specifications as on page	Price
AB-TWX	G-RMABTWX	245	£34.00
ABCD-TWX	G-RMABCDTWX	245	£39.00
X-TWX	G-RMXTWX	245	£69.00
CABLE-THRU	G-RMCTHTWX	245	£179.00
3 TO 2 TWX	G-RM32TWX	245	£159.00

Coaxial Switches

Type	Order Code	Specifications as on page	Price
AB-COAX	G-RMABCX	244	£29.00
ABCD-COAX	G-RMABCDX	244	£49.00
X-COAX	G-RMXCX	244	£70.00

*NOTE: Specify BNC or TNC connectors.

Like our Customised Cable Service, we also offer our customers a Customised Switch Building Service and without strings attached like minimum value orders and minimum quantity orders.

V.35 Switches

Type	Order Code	Specifications as on page	Price
AB-V.35	G-RMAB35	Call for Spec	£95.00
ABCD-V.35	G-RMABCD35	Call for Spec	£135.00
X-V.35	G-RMX.35	Call for Spec	£135.00

M/50 Switches

Type	Order Code	Specifications as on page	Price
AB-M/50	G-RMABM50	Call for Spec	£139.00
ABCD-M/50	G-RMABCDM50	Call for Spec	£169.00
X-M/50	G-RMXM50	Call for Spec	£225.00

Modular Switches (RJ)

Type	Order Code	Specifications as on page	Price
AB-DEC	G-RMABDEC	243	£39.00
ABCD-DEC	G-RMABCDDEC	243	£45.00
X-DEC	G-RMXDEC	243	£49.00
AB-RJ	G-RMABRJ	243	£39.00
ABCD-RJ	G-RMABCDRJ	243	£45.00
X-RJ	G-RMXRJ	243	£33.00

*NOTE: Specify RJ-11 or RJ-45 (Both same price).

Terminal Block Switches

Type	Order Code	Specifications as on page	Price
AB-BLOCK	G-RMABTB	Call for Spec	£45.00
ABCD-BLOCK	G-RMABCDTB	Call for Spec	£69.00
X-BLOCK	G-RMXTB	Call for Spec	£65.00

G.703 Switches

Type	Order Code	Specifications as on page	Price
AB-703	G-RMAB703	244	£55.00
ABCD-703	G-RMABCD703	244	£95.00
X-703	G-RMX703	244	£79.00

Centronics Switches

Type	Order Code	Specifications as on page	Price
AB-CENT	G-RMAB36	242	£85.00
ABCD-CENT	G-RMABCD36	242	£110.00
X-CENT	G-RMX36	242	£110.00
3 TO 2 CENT	G-RM3236	242	£110.00

Our R&D department has experience in designing over 300 different types of non standard switches, each one designed to meet the specific requirements laid out by our customers and each one designed, manufactured and tested in accordance with our ISO9002 procedures and then backed by our no quibble lifetime Guarantee. If you need a switch or if you simply want to know if what you are proposing is feasible then why not call our Technical Support Team for some Free advice and to discuss your requirements.