bhi

CAT-MATE
Electronic "Y" Splitter
For
Yaesu FT-817, FT-857 & FT-897
Preliminary Datasheet

Get more out of your radio!

No more messing with wires & cables

Built in RS 232 modem

The bhi **CAT-MATE** is an electronic "Y" splitter that enables the bhi **Radio Mate** compact keypad to operate with other CAT accessories for the Yaesu radio series, and can also be used as a standalone product. The key benefit of the **CAT-MATE** is that it allows more than one accessory to be connected to the radio's CAT port at the same time, meaning that you don't need to dis-connect & re-connect your CAT port accessories each time they are used.

The **CAT-MATE** connects to the CAT/ACC port on the radio and is able to receive commands from either of its two CAT input ports and connect to a single radio, be it an FT-817, FT-857 and FT-897. The appropriate reply from the radio will then be directed to the port from which the command was issued. For greater flexibility the **CAT-MATE** has a built-in RS-232 (PC) to CAT interface that allows operation with PC control software programmes such as the FT-817 Commander, SuperControl, and Ham Radio Deluxe etc. This means that just a standard straight through 9 way D-type serial cable only is needed. A USB to serial adapter can be also used (Note: Not all USB to serial adapters are compatible). The unit operates from power provided by the radio set and distributes this to the other two CAT ports. Other signals, such as the ALC, TX Inhibit and Band information are fed through the unit to both CAT ports. LED's are provided at the three CAT ports to provide an indication as to which ports are active or being utilised. As data appears at a port, the LED associated with that port and the Radio port will light while active. If the RS232 port is being used, the CAT 2 port will light. The unit operates from power provided by the radio set and distributes this to the other two CAT ports.
[WARNING: The FT-817 is limited to providing <60mA, so please ensure that you are aware of additional accessories that are powered by the radio].
Note: The **CAT-MATE** is not currently suitable when using a tuner (such as the FC-30, FC-40 etc.) on the FT-857/D or FT-897/D that uses the radio's Tune function/button and the CAT port of the radio for control.
It is recommended that you only switch on one accessory to save on battery life (FT-817), plus the radio's cat port is only designed to cope with a single set of instructions at a time, and problems might occur if more than one accessory is switched on at the same time.

Specifications:

CAT1	This is a standard CAT controller/ancillary item port.
CAT2	Either a standard CAT controller/ancillary item can be connected to this port or a computer serial port may be connected to the PC port.
Data rate	Operates at the standard Radio Mate speed of 9600 Baud.
Controls	On/Off Switch. Isolates power from the radio to CAT-MATE & all CAT ports.
Power supply	10 to 16 Volts DC. supplied via the CAT-MATE connector.
Current Draw	Less than 5 mA nominal for the CAT MATE under idle conditions. **Note: Total current consumption on FT-817 should be limited to less than 60mA.**
Through Signals	The non-data signals are passed through to all CAT ports. These are ALC, TX Inhibit and Band information.

Order code: CAT-MATE
Order code: 9WAYCAT - 9 way straight throughD-type Plug to 9 way D-type socket lead 2M.
Order code: CT-62 - Yaesu RS232 PC to 8 pin mini din computer cable (used on CAT 2).
For more information about the **CAT-MATE**, **Radio Mate** and bhi's range of DSP noise cancellation products, go to our website to find your nearest dealer, or contact us direct.

Manufactured by:
bhi Ltd, PO Box 318, Burgess Hill,
West Sussex, RH15 9NR, England.
tel: +44 (0)845 217 9926
fax: +44 (0)845 217 9936
sales@bhi-ltd.co.uk
www.bhi-ltd.co.uk

Dealer: