

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
Connect up to 3 accessories
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 many other accessories for the Yaesu radio series, and also be used as a standalone product. The key benefit of the **CAT-MATE** is that it allows more than one accessory to be used with the radios CAT port at the same time.

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 also means that a special Null Modem cable is **NOT** required, just a standard 9 way D-type serial cable is needed. A USB to serial adapter can be also used via a 9 way D-type Serial cable like the bhi **9WAYCAT** lead below (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 compatible when using the “Tuner” function of the radio via the CAT port, for the FT-857 & FT-897. (FC-30/FC40 etc)

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	This unit is designed to operate at the standard Radio Mate speed of 9600 Baud.
Controls	On/Off Switch. This isolates the power from the radio to all CAT ports and the CAT-MATE units itself.
Power supply	10 to 16 Volts d.c. 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

Optional PC cables to link your computer to your radio via the bhi CATMATE:

Order code: 9WAYCAT - 9 way D-type Plug to 9 way D-type socket lead 2M.

Order code: CT-62 - Yaesu RS232 PC to 8 pin mini din computer cable.

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.

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