C S Technology Ltd

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Connecting our DTMF decoders or DTMF display to an Amateur Radio Packet connector.

Many Amateur Radio transceivers have a 6 pin mini DIN connector on the rear for interfacing a Packet Modem (TNC).

To connect any of our DTMF decoders to the Packet connector set the radio to 1200 baud mode if selectable between 1200 & 9600.

Configure the DTMF decoder input in the un-balanced mode with 2 x 10K resistors for R1 & R3, do not fit R6.

Connect as follows:-

Data In pin (1) to the Morse audio output* of the DTMF decoder.
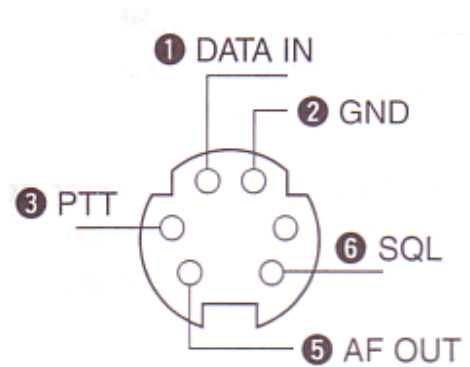
Ground pin (2) to the Ground (centre) pin of the audio input connector (CN1) of the DTMF decoder.

PTT pin (3) to the /PTT output of the DTMF decoder.

AF Out pin (5) to the audio input (CN1) of the DTMF decoder.

Also connect the +12V and Ground supply pins of the DTMF decoder to the 12V supply of the radio, fuse at 1A max.

*If when adjusting the Morse deviation level, the control is on the lowest end of adjustment you may want to add a resistor in series with the Morse audio output.

❶ DATA IN
❷ GND
❸ PTT
❻ SQL
❺ AF OUT

Looking at back of radio

Please check that your radio uses the same pin out as above.

Here's an example of one of our DTMF Opto decoders connected to an Icom IC-E208 via it's packet connector. Please ignore wire colours, the cable used was from a PC keyboard and AF Out was black!

e&oe