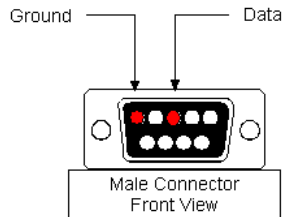


Cable Connections

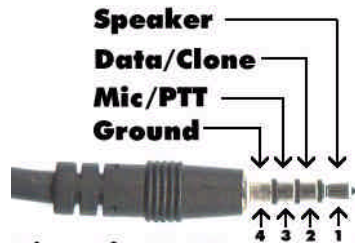
The following connections are for connecting the Garmin eTrex to the TigerTrak TM-1 encoder, and the TM-1 to the Yaesu/Vertex VX-150 VHF handheld radio. The cable color codes may vary. The vendor for each cable is referenced in each description.

GPS to Encoder



This connector connects the eTrex to the TM-1. This connector is "backwards", and doesn't require a null-modem adapter to interface to the TM-1. It WILL NOT work for connections of the GPS to a computer, however. For the cables from the Purple Open Project, the data wire is brown and the ground is black

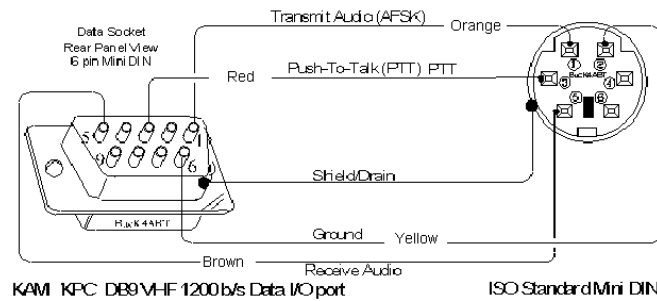
Radio to Encoder



Using the right-angle plug available from www.packetradio.com the following wiring of radio to TigerTrak TM-1 works.

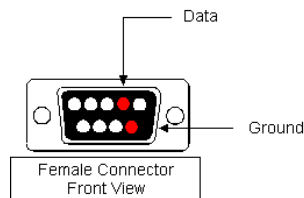
TM-1 cable	Mic cable
Yellow	White (TX Data) (3)
Green	Red (RX Data) (1)
Blue	Black (Ground) (4)

KPC-3+ to Yaesu/Kenwood 6-pin mini DIN



The diagram assumes the mini din connector sold by www.packetradio.com. I'm not certain if the color scheme is standardized for the 6-pin mini din connector, so double-check the colors with a voltmeter. This connector worked for Yaesu radios with a mini DIN and Kenwood radios.

GPS to KPC3+



A GPS as well as a radio can be connected to the KPC3+. If you constructed your GPS cables as per this document. That is, in such a manner as to not require a null modem adapter. Then wire your female DB-9 according to the diagram above. This will allow you to use your GPS cables on a TigerTrak as well as the KPC3+. Of course, you may want to wire it as per the KPC3+ manual, then use a null modem adapter to use any other cables. It depends upon your needs.