

Cabling

Below is the wiring diagram of a cable that is required to connect the OS456™/OS535™ to the Macintosh Computer. This is standard (if there is such a thing) RS-232 wiring except for one connection. The OS456™/OS535™ indicated Squelch status on the Carrier Detect line. Since the Macintosh doesn't have this signal as one of its inputs, the Carrier Detect signal is connected to the Macintosh "Handshake In" line (Pins 1 and 8 on the 9-Pin are connected to Pin A on the 8-Pin). Without this connection WAVE can't observe the Squelch Status and scanning will be erratic. Without this connection de-select "Hdwr Squelch" on the "Radio" menu. This will allow WAVE to operate albeit slowly.

he 9-pin will have to be a female for the OS456™ and a male for the OS535™. The pin assignments are the same for both but the male connector will be a mirror image of the female shown. As manufacturing may vary, use the connector that fits your unit.

The signals on the 9-pin are as follows:

1-DCD, 2-RD, 3-TD, 4-DTR, 5-SG, 6-DSR, 7-RTS, 8-CTS, 9-RI.

The signals on the 8-pin are as follows:

A-HSKi, B-HSKo, C-RXD-, D-GND, E-TXD-, F-RXD+, G-N/C, H-TXD+

Any Serial port on the Macintosh that is supported by the Communications Tool Box may be used. If other than the standard ports (Modem or Printer) are used, be sure to install any driver software that was provided with the interface.

