

Pin out of GE/Ericsson MDX 16 pin option plug

The numbers of the pins are written very small on the rear of the white plug.

- 1 – A- (Ground)
- 2 – Speaker Lo
- 3 – Speaker Hi
- 4 – External Mic Hi
- 5 – Switched A+ (+12 volts)
- 6 – G Star (Serial Request) (active Lo)
- 7 – External Push-to-talk (active Lo)
- 8 – Channel Guard Disable (active Lo)
- 9 – Switched Speaker Hi
- 10 – Audio Mute (active Lo)
- 11 – Volume-Squelch Hi
- 12 – Mic Lo
- 13 – Relay (active Lo)
- 14 – N.C.
- 15 – Display Serial
- 16 – Keypad Serial

The pins you will need to use for your TNC connections are pin 1 (A-), pin 4 (Mic Hi), pin 7 (PTT), and then either pin 3 (speaker Hi) or pin 11 (Volume-Squelch Hi) for your receive audio.

The differences between the pins for receive audio is pin 3 is adjustable with the radio volume control and pin 11 is a fixed level and is discriminator audio.

Pin 5 (switched A+) can be used to power your TNC. The TNC will come on or shut off with the radio power button.

If you use Speaker Audio for your TNC, you may not want to listen to the packets being received on your radio. To disable the speaker, remove the 4 TORX screws from the bottom of the radio. Look at the circuit board with the ribbon cable and pair of orange wires near the front of the radio. The orange wires go to the speaker in the front panel. Just pull off the whit plug from the circuit board and now the speaker is disabled. If you are feeling adventurous, you could find a place to mount a small single pole-single throw switch and then cut one of the speaker wires and then solder each end of the cut wire to the terminals of the switch. That would allow you to switch the speaker on when you wanted to listen to the packets and then switch it off when you don't want to listen to them.