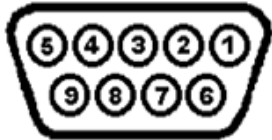
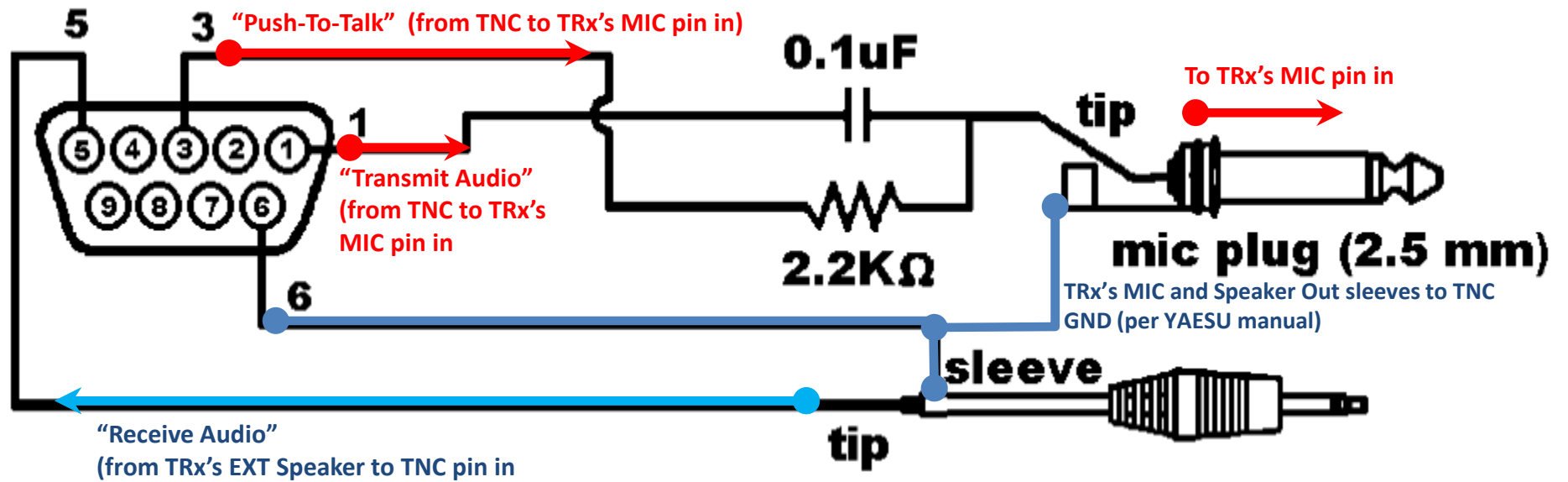


DB-9 Male (Wiring Side)

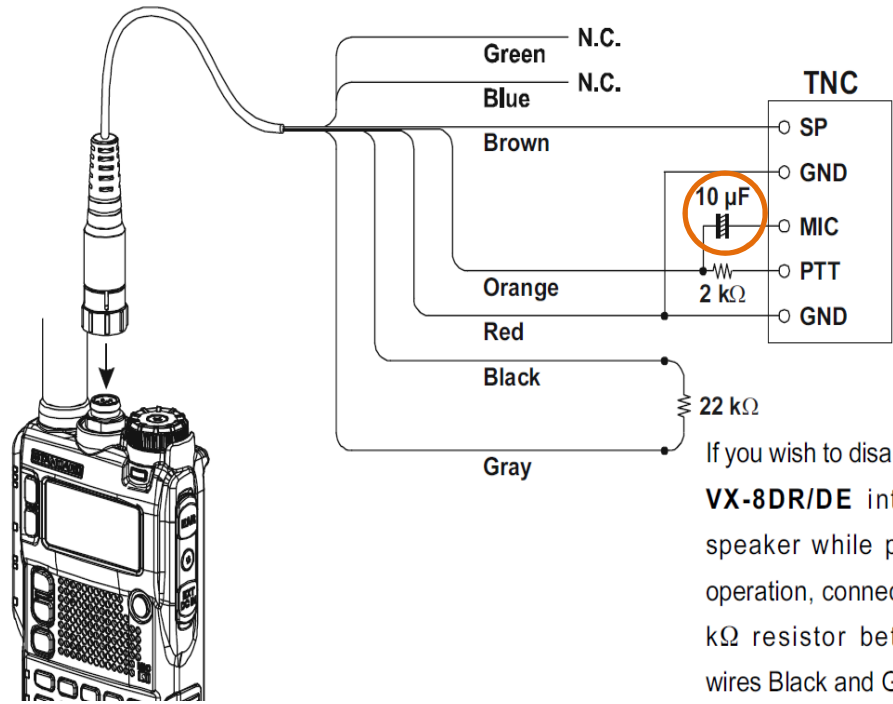


Yaesu Hand-Held Radios

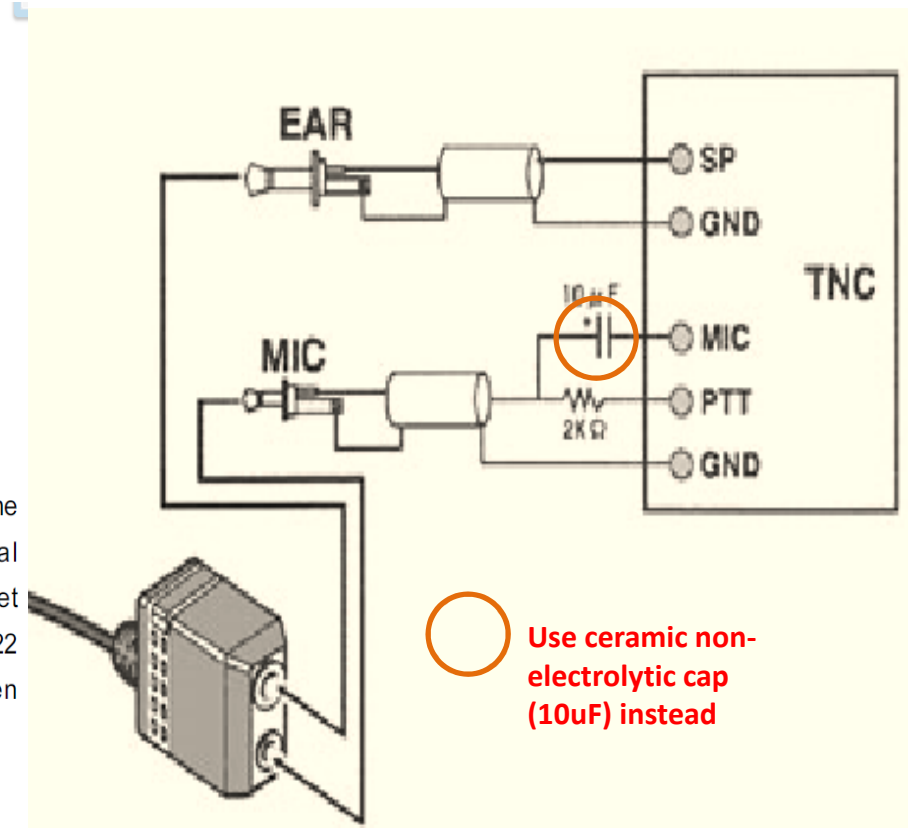


KANTRONICS KPC-3+ DB9 CONNECTOR DIAGRAM

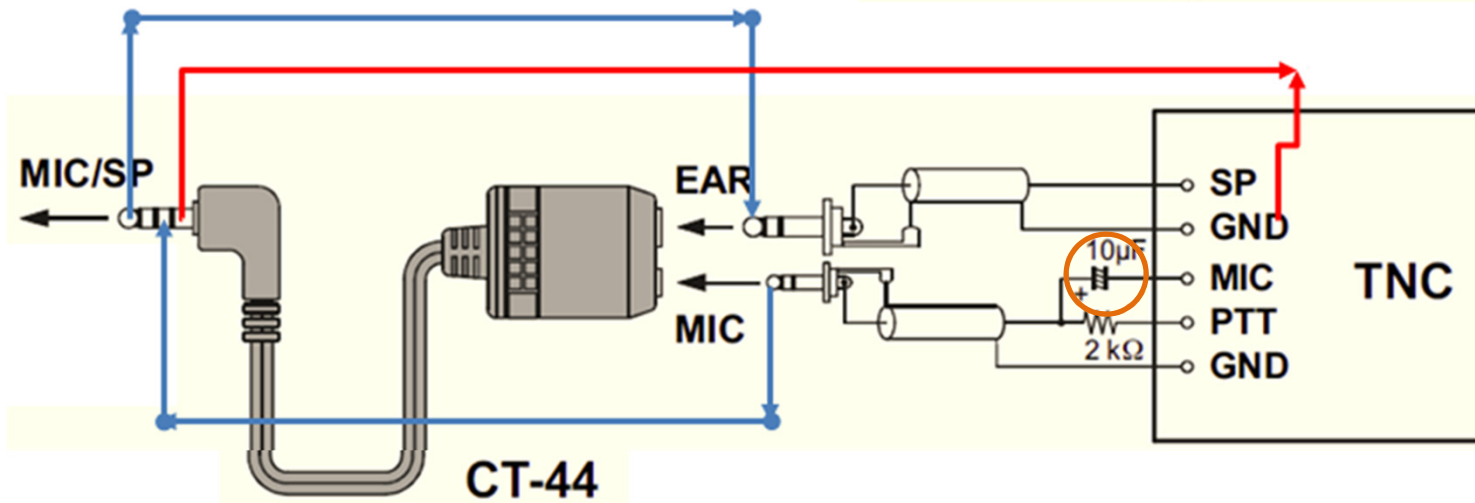
CT-M11 MIC/SP Connection Cable



If you wish to disable the **VX-8DR/DE** internal speaker while packet operation, connect a 22 kΩ resistor between wires Black and Gray.



Use ceramic non-electrolytic cap (10uF) instead



Instruction from Kantronics KPC manuals (1 of 2)

Instructions for making a cable assembly using the supplied foil shielded cable and metalized plastic back shell follow:

1. Strip cable outer covering back enough to expose enough metalized plastic foil. Do not cut or rip foil.
2. Carefully loosen the drain wire and foil from around the insulated wires.
3. You will need to build up the diameter of the cable, where it enters the back shell, with any type of tape or sleeve, so that when the metalized plastic shell halves are screwed together they will hold the cable as strain relief and press against the metal foil.
4. Discard the metal strain relief pieces and screws that go with them—they are of no use.
5. Connect wires as needed to terminals of connector. Keep track of which wire is connected to which terminal.
6. Carefully fold the metalized foil back over the cable and Z-fold it so the metal side of the foil is exposed to the connector back shell at the entrance area. Spread the foil over the cable so you get as much coverage as possible (you will not get 360° coverage, but do the best you can).
7. Place the drain wire in the gap where you can not get foil coverage.
8. Place one of the shaped washers on each of the long, half-threaded screws, so they are next to the head of the screw (with the bent ends of the washers facing away from the heads of the screws).
9. Now place the metalized plastic shell halves together over the connector and cable, with the (2) two long half-threaded screws and two shaped washers, to attach the whole assembly to the KPC-3 Plus.
10. When you screw the two halves together there should be enough compression to hold the cable in place and there should be solid contact between the metal side of the foil and the metalized back shell. See figure below.
11. If your radio is equipped with a single metal connector, such as the Kantronics dvr 2-2, then this same cable with connector attachment technique should be used. Otherwise follow the wiring directions that follow.



Wiring between your Transceiver Microphone and the KPC-3 Plus:

Follow the notes taken above and wire the cable assembly in the following order:

- Step 1. Using a user-supplied microphone connector appropriate for your transceiver and the notes taken above, attach wires as follows:
- Attach the wire from pin 1 (transmit audio) on the DSUB-9 to the microphone connector's input pin,
 - Attach the wire from pin 3 (push-to-talk) on the DSUB-9 to the microphone connector's PTT or STBY pin,
 - (Optional) for base or mobile units, attach the wire from pin 9 (one path to ground) on the DSUB-9 to the ground pin on the microphone connector.

Connecting your Transceiver's Speaker Plug to the KPC-3 Plus

Use an appropriate third party speaker plug and the notes taken earlier to do the following wiring to the DSUB-9 cable assembly:

- Step 1. Locate the wire that connects to the audio of the external speaker plug and attach it to the wire from pin 5 on the DSUB-9 (Receive Audio)
- Step 2. Locate the wire that connects to the ground of the external speaker jack and attach it to the wire from pin 6 on the DSUB-9 (Ground)

This is all you need to do to wire the speaker plug part of the assembly.