

BCRA SOUND CARD



THIS HELP SCREEN IS A START AT TROUBLE SHOOTING YOUR BCRA INTERFACE INTERFACE KIT

1. Make sure that all your diodes D1 D2 and D3 have their stripe located on the diodes on the same side as the silk screen stripes on the PCB, if not unsolder and correct this issue
2. Make sure that the Octocoupler 4N25 IC is installed in U1 with the "dot" of the IC at the same end of the silk screen as the cutout diagram. Note the "dot" on the Optocoupler should be installed on same end closest to D1 and D2, if not unsolder and correct this issue
3. If you see a Waterfall on your computer screen then your External Speaker is correctly installed, if not, make sure is your radio is on and the squelsh turned off or down. To check, unplug your 3.5mm cable from you radio's external jack and listen. If you hear static, your radio is working so make sure your the other end of that cable is inserted in the input jack on the side of the enclosure as the DB-9
4. If you checked and are still not transmitting, make sure that the TRRS leads are connected to the correct solder pads, review the Chapter 2 pages 16-17. Next, follow the pinout diagram for your radio and make sure you have the four connections from the TRRS plug in the correct order of your Mic connector.
5. If all of the above is correct and the interface still does not work, remove the board from the enclosure and make sure you have a good solder joint on each solder pad. A missing connection or a cold solder joint can cause the interface to fail.
6. If you are seeing a waterfall, and your Radio shows that the computer has triggered your radio to transmit, but no characters are appearing on the screen, you have incorrectly wired either the TRRS plug and/or the pinout to your microphone connection for the radio.
7. If #6 is correct, then check the CD-9 Serial Connector leads and make sure they are soldered to the correct location on the PCB.
8. Now depending on what software you are using, make sure that you follow the manufacturer or user manual and set the software to the correct communication settings (baud, (parity, stop bits, Port Setting ect.)
9. Lastly, make sure your are using the correct setting on your radio, such as USB for HF communications.