

Modifications for using the SC2 or SC3 with the Codan X2

- 1) Disconnect the wires from pins 5 and 7 of the microphone socket, join the wires together and insulate.
- 2) Fit a 3.5mm stereo jack socket into the spare hole beside the extension speaker socket.
- 3) Disconnect the wires from pin 1 of the microphone socket, extend it and connect to the "Ring" terminal of the 3.5mm socket. Fit a ferrite bead over the wire before soldering.
- 4) Connect the P1 end of R7 to the "Tip" terminal of the 3.5mm socket. Fit a ferrite bead over the wire before soldering.
- 5) Connect the "Ground" terminal of the 3.5mm socket to the Anode end of D1.
- 6) Disconnect the wire from pin 6 of the microphone socket and insulate.
- 7) Audio Alarm line - Connect pin 5 of the microphone socket to the junction or R4 / R5 / C5 / C7 on the Front Panel board.
- 8) Mute line - Connect pin 7 of the microphone socket to IC308 pin 13 on the RF/Exciter board.
- 9) Rx Audio line - Connect pin 6 of the microphone connector to TP303 on the RF/Exciter board.
- 10) Power supply feed - Connect pin 1 of the microphone connector to + 10 volt (TP402 on the RF/Exciter board).
- 11) Wire SC2/SC3 connector as follows, (rewire original mic to use pins 2,3 & 4 only):
 - 1) Red - Power
 - 2) Green - PTT
 - 3) Shield - Ground
 - 4) Yellow - Tx Audio
 - 5) White - Audio Alarm output
 - 6) Blue - Rx Audio
 - 7) Purple - Mute
- 12) Programme SC2/SC3 for required functions.
- 13) Adjust VR3 for suitable Audio Alarm Level.
- 14) Adjust VR2 for suitable transmit power output. We recommend adjusting the power output to be no more than 70% of full power when sending a selcall. A more preferable level is 30% to 40% of full output power.

Note: The X-2 can now be programmed using a Codan 9313 or NGT programming lead. It is important to unplug the SC2 or SC3 microphone when programming the radio.