

Modifications for using the SC2 or SC3 with the Kenwood TRC-80

1) Wire the SC2 or SC3 to an 8 pin connector as follows:

- Pin 1 - Tx audio Input (Yellow)
- Pin 2 - Ptt Input (Green)
- Pin 3 - Mute (Purple)
- Pin 4 - Scan line (Grey)
- Pin 5 - Power Input (Red)
- Pin 6 - RX Audio (Blue)
- Pin 7 - Ground (Shield)
- Pin 8 - Audio alarm O/P (White)

2) Make the following changes to the wiring of the microphone socket inside the radio:

Pin 1 - No change

Pin 2 - No change

Pin 3 - Remove R26 on front panel (LCD assy) board. Run a wire from Pin 3 to the junction of R276/277/405. Best place for this is on the common point of R276/277 which is near VR9/VR10 on the Tx/Rx board.

Pin 4 - No change

Pin 5 - No change

Pin 6 - Remove pin 4 from CN12 (white wire) and put on pin 1 of CN13

Pin 7 - No change

Pin 8 - Cut pin 8 of mic socket from earth and connect onto junction R278 and C402 (this is close by to R276/277)

The above changes allow the use of both the Scanning and Mute facilities on the microphone. The microphone should be programmed accordingly.

If you do not require the Mute facility then do not modify or connect Pin 3.

If you do not require to receive Selcalls then do not modify or connect Pin 6

If you do want Audio Alarms through the radio's audio circuit then do not modify or connect Pin 8.