Setcom KN Radio Cable
Kenwood TK-690, 790, 890
(for RF deck; 25-pin connector)

Installation Information

Radio Interface for 25-Pin Accessory Port Connector on the RF Deck

Speaker Audio is obtained through 9-pin Molex accessory connector

For x90 Series Radios the Default Input On Pin 13 Is Data -
To change to Mic Audio Input, the radio's PCB must be modified as follows:
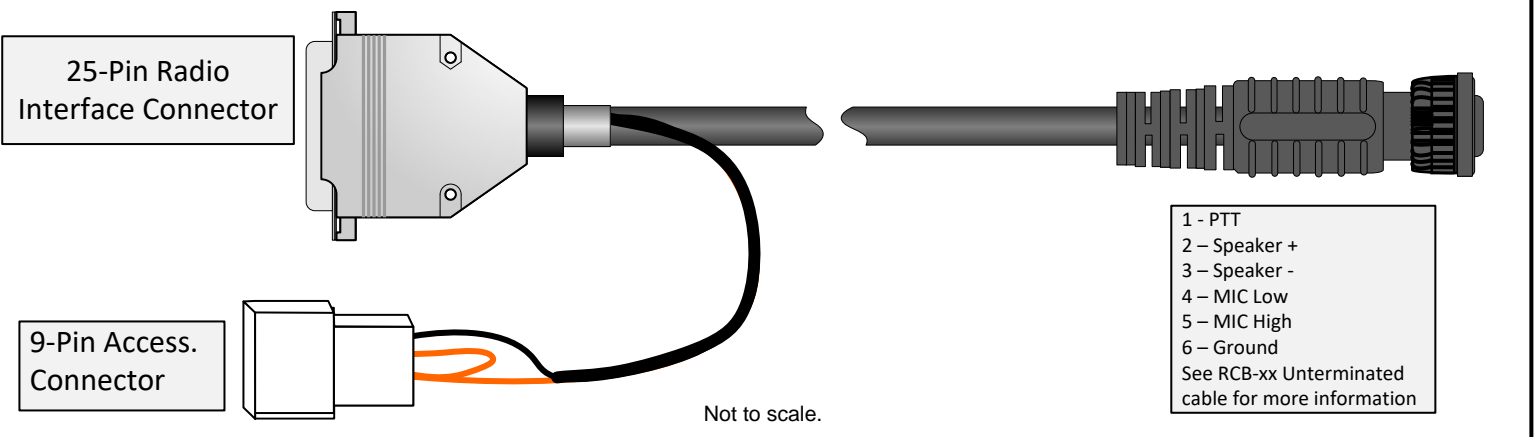Remove R641 & Add R640 (0 ohm jumper)

PTT must be assigned to AUX I/O 1, pin 2 of the 25-pin connector

For MAC and MCx cables, the foil print pattern "SB" near
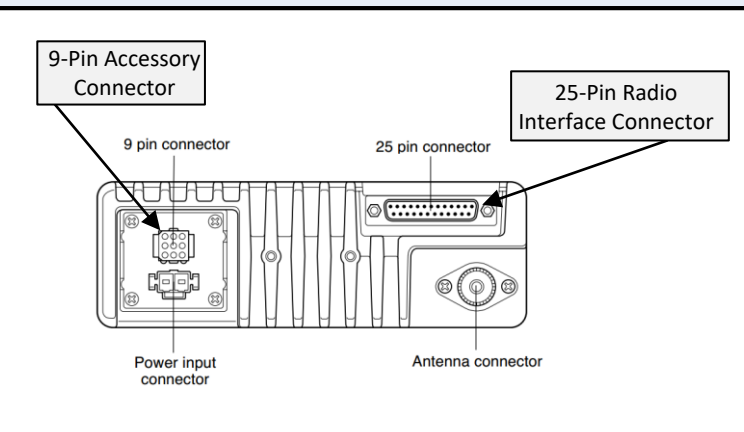CN505 of the Control Unit PCB must be shorted to provide Mic Bias Voltage

For More Details On These Changes, See Page 20 Of the Kenwood Service
Manual or Consult an Authorized Kenwood Dealer

If internal speaker is not used, cut Orange jumper from pin 6 to pin 3 and insulate with heat-shrink tubing

RCB-xxKN Cable

25-Pin Radio
Interface Connector

9-Pin Access.
Connector

Not to scale.

1 - PTT
2 – Speaker +
3 – Speaker -
4 – MIC Low
5 – MIC High
6 – Ground
See RCB-xx Unterminated
cable for more information

Rear View
TK-690 radio

9-Pin Accessory
Connector

25-Pin Radio
Interface Connector

9 pin connector

25 pin connector

Power input
connector

Antenna connector

Connectors
25 & 9 Pin Connectors

male plug – front (pin) view
1 2 3 4 5 6 7 8 9 10 11 12 13
14 15 16 17 18 19 20 21 22 23 24 25

2 – PTT
25 – MIC Low
13 – MIC High
7 – Ground
Note: MIC High has a 4.7KΩ
Series Resistor

REAR VIEW
showing pinout

2 — WHITE

3 — ORANGE — Wire loop – enables Remote Head
Speaker. Cut loop to disable Speaker.

6 — ORANGE

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