

Kenwood TK-880/980/981 Interface

The following items are included in the Kenwood TK-880/980/981 cable interface kit:

1. Kenwood TK-880/980/981 interface cable assembly.
2. Instruction sheet.

The following steps outline the procedure for interfacing the Kenwood TK-880/980/981 radio to the Trakit-20.

1. The enclosed interface cable needs to have one pin installed in the appropriate location. This cable can be used for a variety of applications. For a Kenwood **TK-840/940/941**, install the loose pin (brown wire) into **Pin 10** on the molex end of the interface cable (speaker mute). For a **TK-880/980/981**, the loose pin can be used for speaker mute or for data channel selection. Insert it into **Pin 2** of the molex connector for speaker mute. Insert it into **Pin 15** of the molex connector for data channel selection. If data channel selection is used, the **Trakit-20** can automatically switch the radio to the system/group that has been designated for data. In data mode, the radio mutes the speaker automatically when the data system/group is selected. This is a function of radio programming. The desired system/group must be designated for data.
2. Set the Trakit-20 up for a bench test and use the AVL Installer program to set the following operating constants in the installer table to the indicated value:

Transmit indicator active:	Low
Receive indicator active:	Low
PTT output active:	Low
Enable mic mute gate on transmit:	Yes
Enable Tx indicator as event 2:	No
External output active:	*High/Low
External output mode:	*Speaker mute/ Second PTT

*For speaker mute, use active **High**. For data channel selection (Second PTT), use active **Low**.

3. Configure the following jumpers as indicated:

JP1	Out
JP4	B-C

4. Program the Kenwood TK-880/980/981 Optional Features for the following:

Com 2	(AuxHook / PTT)
Logic Signaling :	
Squelch Logic Type	Active Low
Squelch Logic Signal	TOR
Access Logic Type	Active Low
Access Logic Signal	Continuous

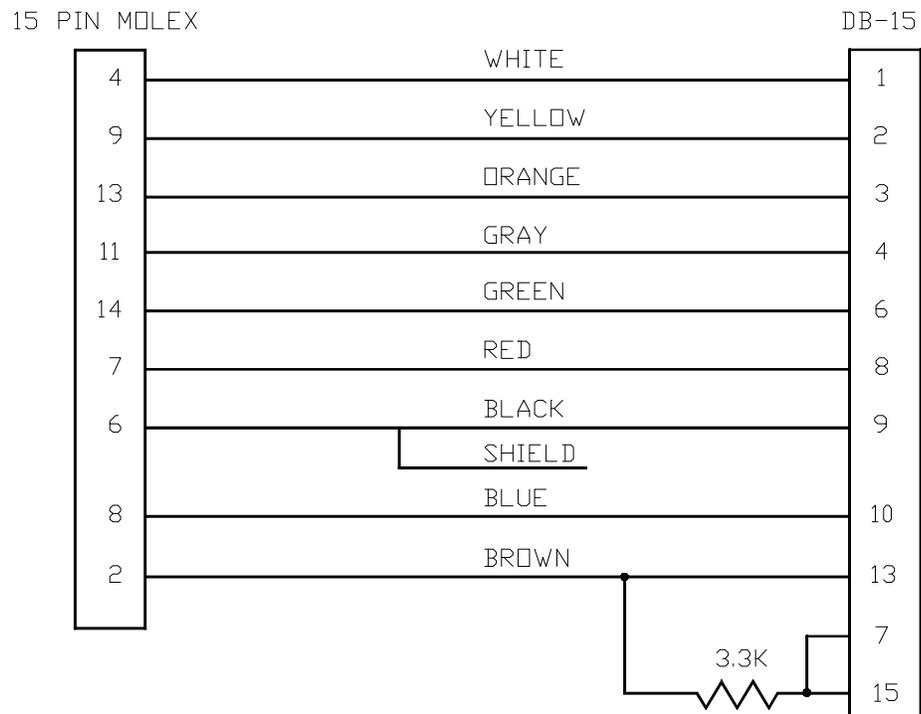
Kenwood TK-880/980/981 Interface (cont.)

5. Install the Accessory Cable KCT-19 in the Kenwood TK-880/980/981.

Insert the cable connectors in CN1, CN2, and CN3.

** R17 in the Kenwood TK-880/980/981 may need to be removed if the radio is an "early" version. (This needs to be done if the external PTT does not work.)

5. Connect the DB-15 end of the Kenwood TK-880/980/981 interface cable to the DB-15 connector on the back of the TrakIt-20.
6. Connect the Molex plug end of the Kenwood TK-880/980/981 interface cable to the KCT-19 cable.
7. Check the TrakIt-20's audio levels by performing the alignment procedure described in the TrakIt-20 manual.



Kenwood TK-880/980/981 Interface (cont.)

**KENWOOD TK-880/980/981 INTERFACE CABLE KIT
800-2080**

Item	Description	Part No.	Qty.
1	HEAT SHRINK TUBE 3/8	199-6099	1
2	SCREW/CLIP KIT	231-0014	1
3	MOLEX PIN MALE	231-0034	7
4	CONN DB15 MALE	231-0035	1
5	COVER DB15	231-0036	1
6	CONN 15 POS MOLEX	231-0054	1
7	3.3K RESISTOR	312-0035	1
8	10 COND CABLE	800-1115	6"