

Maxon SM-4450 Interface

The following items are included in the Maxon SM-4450 interface kit:

1. Maxon SM-4450 interface cable assembly.
2. Cable tie.
3. Instruction sheet.

The following steps outline the procedure for interfacing the Maxon SM-4450 radio to the TrakIt-20.

1. 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:	High
PTT output active:	Low
Enable Tx indicator as event 2:	No
External output active:	Low
External output mode:	Speaker mute

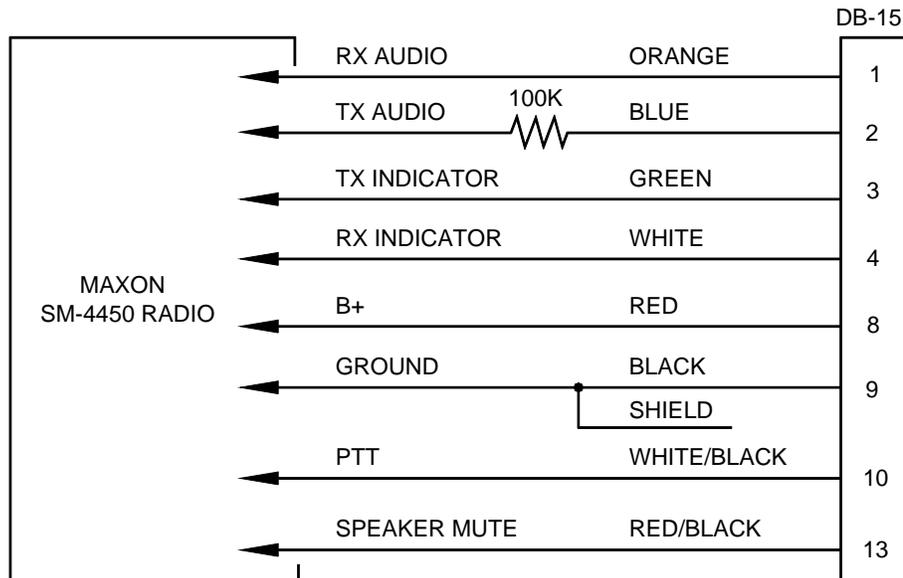
2. Configure the following jumpers as indicated:

JP1	Removed
JP4	A-B

3. Install a 10K Resistor across R45 in the TRAKIT-20.
4. Remove the covers of the Maxon SM-4450 radio.
5. Solder the orange wire of the MAXON SM-4450 interface cable to pin 9 of SK1.
6. Solder the blue wire of the MAXON SM-4450 interface cable to pin 4 of SK2 with a 100K resistor in series.
7. Solder the green wire of the MAXON SM-4450 interface cable to pin 5 of SK2.
8. Solder the white wire of the MAXON SM-4450 interface cable to pin 1 PL2.
9. Solder the red wire of the MAXON SM-4450 interface cable to pin 5 of PL2.
10. Connect the black and shield wire of the MAXON SM-4450 interface cable to pin 10 of PL2. Heat shrink any exposed portion of the shield wire.
11. Solder the white/black wire of the MAXON SM-4450 interface cable to pin 5 of SK2.
12. Solder the red/black wire of the MAXON SM-4450 interface cable to the backside of R217.

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13. Secure the MAXON SM-4450 interface cable with the cable tie strap.
14. Replace the covers of the radio.
15. Connect the DB-15 end of the MAXON SM-4450 interface cable to the DB-15 connector on the back of the TrakIt-20.
16. Check the TrakIt-20's audio levels by performing the alignment procedure described in this manual.



Maxon SM-4450 Interface Cable Kit 106-MXSM4450

Item	Description	Part No.	Qty.
1	CABLE TIE (SHORT)	200-0081	1
2	SCREW/CLIP KIT	231-0014	1
3	CONN DB15 MALE	231-0035	1
4	COVER DB15	231-0036	1
5	100K RESISTOR	312-0003	1
6	10K RESISTOR	312-0011	1
7	CBL, 8 CONDUCTOR	800-1114	2'