

## Uniden SMS 925 Interface

The following items are included in the SMS 925 interface kit:

1. SMS 925 interface cable assembly.
2. Instruction sheet.

The following steps outline the procedure for interfacing SMS 925 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:	Low
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	Cut
JP4	BC

3. Change R20 in the Trakit to a 1K resistor.
4. There are several wires that need to be inserted to the 12 pin Molex connector on the back of the radio and soldered to various points in the radio. They are as follows:
  1. Solder the tinned end of the RED wire to IC251 pin 2 and insert the pin into pin 12 of the Molex accessory connector.
  2. Solder the BLACK wire to the GROUND lead of the power cable and insert the pin into pin 11 of the Molex accessory connector.
  3. Solder the ORANGE wire to the junction of Q105 and R130 and insert the pin into pin 10 of the Molex accessory connector.
  4. Solder the BROWN wire to the Blue wire on W4. (W4 plugs into J3) and insert the pin into pin 9 of the Molex accessory connector.
  5. Solder the YELLOW wire to J603 pin 5 on the Logic board and insert the pin into pin 8 of the Molex accessory connector.
  6. Solder the BLUE wire to the Orange wire on W4 and insert the pin into pin 7 of the Molex accessory connector.
  7. Solder the GRAY wire to the junction of Q105 and R130 and insert the pin into pin 6 of the Molex accessory connector.
  8. Solder the WHITE wire to the White wire on W5 and insert the pin into pin 5 of the Molex accessory connector.

## Uniden SMS 925 Interface (cont'd)

5. Connect the DB-15 end of the SMS 925 interface cable to the DB-15 connector on the back of the TrakIt-20. Connect the Molex end of the SMS 925 interface cable to the Molex accessory connector on the back of the radio.
6. Check the TrakIt-20's audio levels by performing the alignment procedure described in this manual.
7. The Transmit Indicator point in the radio is actually TX active and not a channel access signal. When using this radio on a trunking system, the Trakit should be programmed for a longer DELAY BEFORE DATA SEND time using the Trakit Installer software to allow for channel access time.

TRAKIT DB15			SMS 925 12 PIN MOLEX
1	RX Audio	Orange	10
2	TX Audio	Blue	7
3	TX IND	Green	9
4	RX IND	White	5
8	POWER	Red	12
9	GROUND	Black	11
10	PTT	Yellow	8
13	SPKR Mute	Gray	6

**Uniden SMS 925 Interface Cable Kit  
106-SMS925**

Item	Description	Part No.	Qty.
1	SCREW/CLIP KIT	231-0014	1
2	CONN DB15 MALE	231-0035	1
3	COVER DB15	231-0036	1
4	CBL, 8 CONN 22 AWG STR	800-1115	1'
5	Molex Connector 12 Pin	231-0059	1
6	Molex Pins (F)	231-0038	8
7	Molex Pins (M)	231-0034	8
8	WIRE, 22 AWG RED	222-0014	9"
9	WIRE, 22 AWG BLUE	222-0015	9"
10	WIRE, 22 AWG YELLOW	222-0018	9"
11	WIRE, 22 AWG GREY	222-0019	9"
12	WIRE, 22 AWG BROWN	222-0020	9"
13	WIRE, 22 AWG ORANGE	222-0023	9"
14	WIRE, 22 AWG WHITE	222-0026	9"