

SEA ESP520 INTERFACE

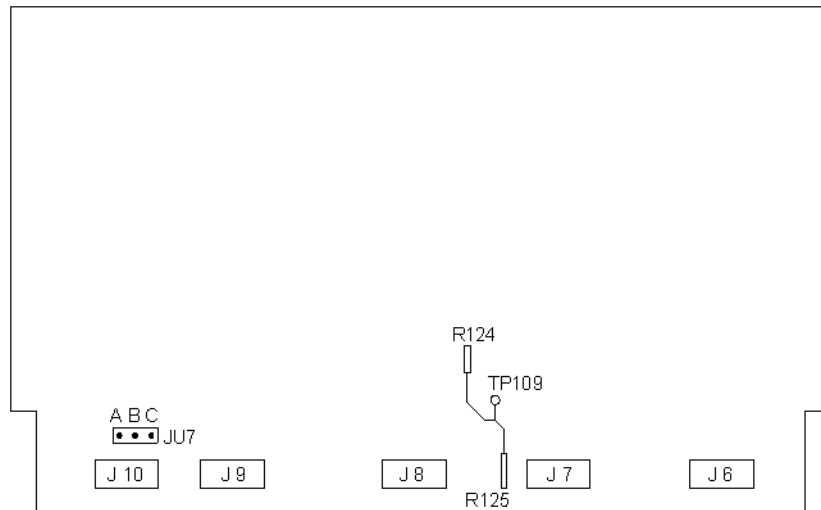
This document contains instructions for interfacing the 20-28 to the SEA ESP520 radio. The following items are included in the SEA ESP520 interface kit:

1. SEA ESP520 to 20-28 interface cable assembly.
2. Instruction sheet.

The following steps outline the procedure for interfacing the SEA ESP520 radio to the 20-28:

1. Connect the DB-25 end of the SEA ESP520 interface cable to the DB-25 connector on the back of the 20-28.
2. Connect the modular plug end of the SEA ESP520 interface cable to microphone jack on the radio.
3. Set the radio volume by one of the following methods:
 - Remove the top cover of the radio and move the shorting block on JU7 to B-C on the personality PCB. Set the volume control on the radio to obtain a good audio level to the 20-28. It should not be set too high or the audio will start to cut out. Once the volume control is set, it should not be changed.
 - Bypass the volume control in the radio to obtain a constant audio level from the radio. This can be accomplished by removing the top cover of the radio and connecting a jumper from TP109 to JU7-B on the personality PCB. The shorting block on JU7 should be removed. Refer to the following diagram for the locations of JU7 and TP109.

PERSONALITY PCB



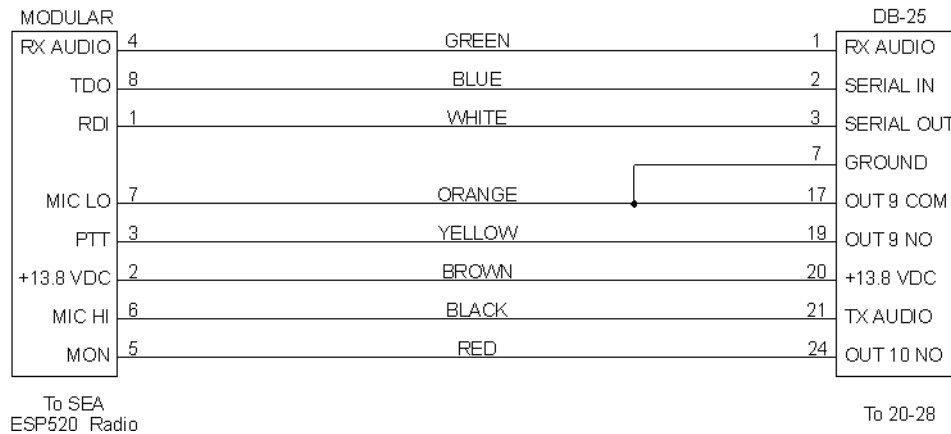
SEA ESP520 Interface (cont.)

4. Configure the following 20-28 base board jumpers as indicated:
 - JP3: Not shorted
 - JP6: Not shorted
 - JP9: Shorted
 - JP10: Not shorted

5. The supplied cable is wired to control the microphone hook status with Output #10. (Additional programming is necessary.) If Output #10 is required for a different application, disconnect the red wire from pin #24 on the DB25 connector. The microphone hook status may be controlled with another output if desired.

6. Configure the remaining jumpers based upon system requirements. The audio level adjustments will also need to be checked.

SEA ESP520 Interface Cable



SEA ESP520 Interface Cable Kit 106-SEA27CBL

Item	Description	Part No.	Qty.
1	DB25 CONNECTOR MALE	231-0005	1
2	SCREW/CLIP KIT	231-0014	1
3	4-40 X 1/2 SCREW	199-4035	2
4	DB25 COVER ASSEMBLY	231-0015	1
5	8 POS MODULAR PLUG	231-0052	1
6	8 COND FLAT TELE WIRE	800-1006	2'