EFJ SUMMIT DM INTERFACE

This document contains instructions for interfacing the 20-28 to the EFJ Summit DM radio. The following items are included in the EFJ Summit DM interface kit:
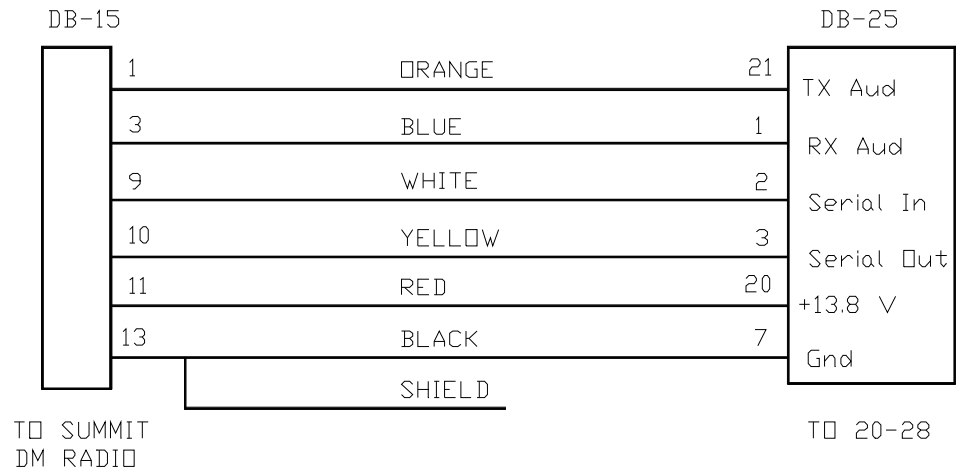
1. EFJ Summit DM to 20-28 interface cable assembly.
2. Instruction sheet.

The following steps outline the procedure for interfacing the EFJ Summit DM radio to the 20-28:

1. The EFJ Summit DM radio must have firmware version 2.19 or later. The most current version of firmware can be obtained by contacting E.F. Johnson.

2. When programming the Summit DM radio, be sure the following selections in the Main Radio Parameters screen are set as indicated:

   - Scan Revert Mode: Set to "Temporary" or "Last Received"
   - Mic Hanger: Set to disabled if mic not present or not in grounded hanger
   - Remote Trunk Mount: No
   - Disable UI Bus: No
   - Audio_RX: Mode 1
   - Audio_TX: Mode 1

3. Connect the DB-25 end of the Summit DM interface cable to the DB-25 connector on the back of the 20-28.

4. Connect the DB-15 end of the Summit DM interface cable to the DB-15 connector on the radio's accessory pigtail cable (EFJ Part No. 597-2002-230).

5. Configure the following 20-28 base board jumpers as indicated:

   - JP3: Shorted
   - JP6: Not shorted

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

EFJ Summit DM Interface (cont.)

EFJ Summit DM Interface Cable

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DB-15                                                    DB-25

   1                  ORANGE               21
                                                  TX Aud
   3                  BLUE                  1
                                                  RX Aud
   9                  WHITE                 2
                                                  Serial In
   10                 YELLOW                3
                                                  Serial Out
   11                 RED                  20
                                                  +13.8 V
   13                 BLACK                 7
                                                  Gnd
                      SHIELD

TO SUMMIT                                         TO 20-28
DM RADIO
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EFJ Summit DM Interface Cable Kit
106-EFJ28SUM

Item	Description	Part No.	Qty.
1	DB25 CONNECTOR MALE	231-0005	1
2	SCREW/CLIP KIT	231-0014	2
3	4-40 X 1/2 SCREW	199-4035	2
4	DB25 COVER ASSEMBLY	231-0015	1
5	DB15 CONNECTOR MALE	231-0035	1
6	DB15 COVER ASSEMBLY	231-0036	1
7	22AWG SHIELD 10C CABLE	800-1115	8"