

**Motorola
Radius, M10, M100, M120, M130, M200,
GM300, SM50, SM120, and Maxtrac 100/300
Series Radios
to IP-223 Remote Adapter Panel**

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Motorola

Radius, M10, M100, M120, M130, M200, GM300, SM50, SM120 and Maxtrac 100/300 Series Radios

1.0 General

This application note is intended to show how to assemble a cable and setup the hardware of the IP-223 for single channel control to the following Motorola mobile radios: Radius, M10, M100, M120, M130, M200, GM300, SM50, SM120 and Maxtrac 100/300.

2.0 Interconnect Cable assembly

A DB-25 cable is required to interconnect the IP-223 adaptor panel to the RJ-45 hand microphone connector found on the front of the mobile radio.

Follow the schematic in Figure 1 to manufacture the appropriate cable assembly.

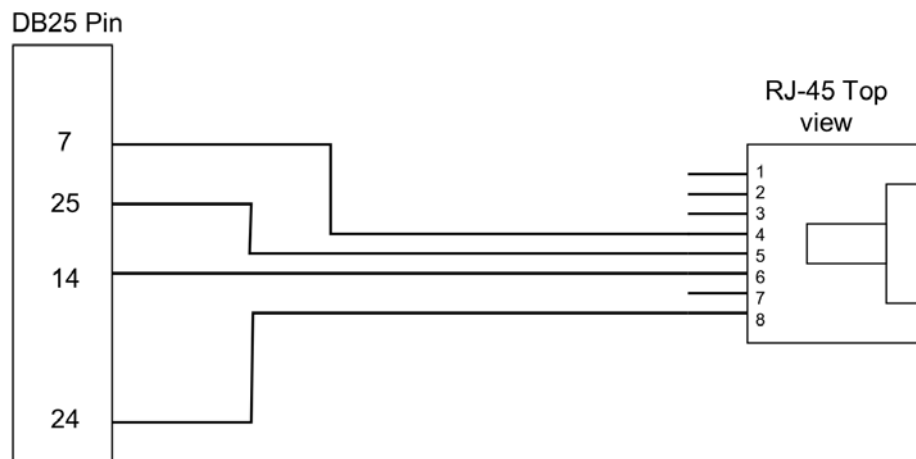


FIGURE 1. Cable Assembly Diagram

3.0 IP-223 Remote Adapter Panel

3.1 IP-223 Setup

Setup the appropriate IP-223 lines jumpers for Motorola radio control, as indicated in Table 1 on page 4.

3.1.1 IP-223 Jumper settings

Table 1:

Line 1	Jumper Setting	Line 2
J33, J34	B = 4-wire	J5, J6
J16, J21	A = Single Ended	J19, J20
J14	B = 8 Ohm SPKR	J24
J3, J9, J11	A = Single Ended	J25, J28, J29
J13	B = High	J27
J17, J22	B = 600 Ohms	J10, J15
R377	Solder bridge the pads together	R381

Revision History		
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Revision	Change Description	Date
A	Update brand, format and new document number. (Reference rev B)	05-AUG-2009

Suggestions or comments:

Please contact technical support with suggestions or comments concerning this application note.

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