



Application Guide

Motorola

**Radius, M10, M100, M120, M130,
M200, GM300, SM50, SM120 and
Maxtrac 100/300 Series radio's to
TRA223 & DSP223
Series Adaptor Panels**

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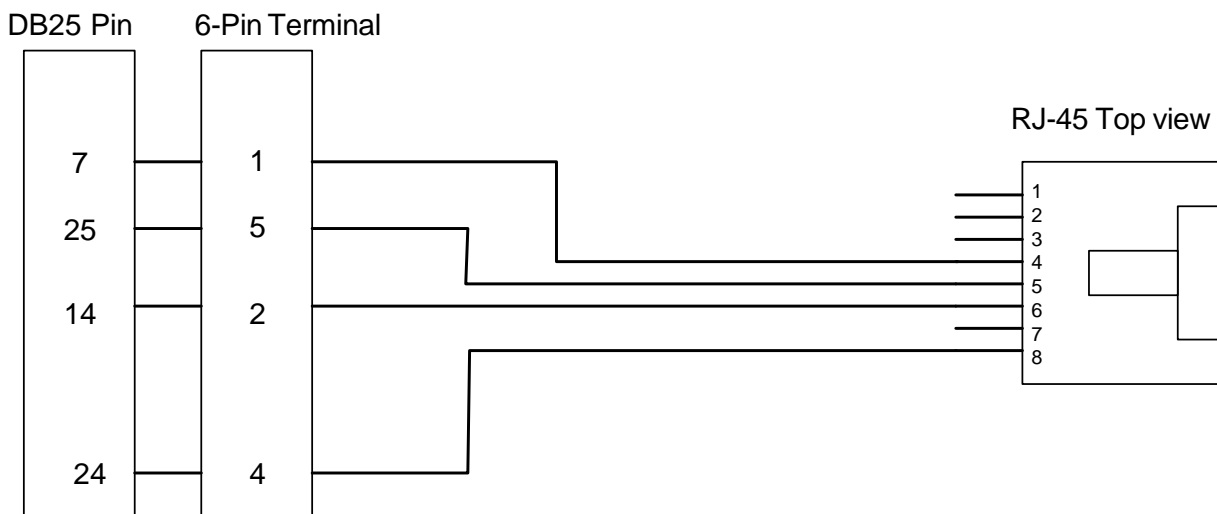
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1 General

This application note is intended to show how to assemble a cable and setup the hardware of the TRA223 and DSP223 for single channel control to the following Motorola mobile radios: Radius, M10, M100, M120, M130, M200, GM300, SM50, SM120 and Maxtrac 100/300

2 Interconnect Cable assembly

A cable assembly will be required interconnect the DB25 or 6-Pine terminal block outputs of the various 223 Series adaptor panels to the RJ45 hand microphone connector on the front of the mobile radio. Please uses the following chart to manufacture this interconnect cable assy.



3 223 Series panels:

3.1 TRA223 Setup:

No changes to the TRA223 will be required.

3.1.1 TRA223 Dip-Switch settings:

Set the front panel dip-switch for the following settings:

Position 5 and 7 "ON", 1, 2 and 3 depend on if you are using 2 or 4 wire connection, please refer to the TRA223 manual for instructions.

3.2 DSP223 Setup:

No software programming is required.

3.2.1 DSP223 Jumper settings:

Set the following jumpers to the "A" position:

J12, J14, J15, J22, J23, J24, J25 and J27

Set the following jumpers to the "B" position:

J13 and J26

Solder close JP2

Suggestions or Comments

We'd appreciate your input. Please send us your suggestions or comments concerning this application note, by fax (402-467-3279) or e-mail them to: **vega@telex.com**

Technical Support:

Email address: acttechsupport@us.telex.com

Phone #: 1-800-898-6723

TELEX Communications, Inc.
Vega Signaling Products
8601 East Cornhusker Highway, Lincoln, Nebraska, 68507
Phone: (800) 752-7560 Fax: (402) 467-3279
E-mail: vega@telex.com, Web: www.vega-signaling.com