

# Application Note

AN #: 160I

DATE: 21-Jun-06

Page 1 of 1

**PYRAMID MODEL #:** SVR-200 / SVR-250

**RADIO MODEL:** Motorola Radius Series w/ 16 pin accy connector

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

DEPT. HEAD \_\_\_\_\_

**Order the Pyramid Radius interface cable Part # 7501-10-1093 for the SVR-200.**

**Order the Pyramid Radius interface cable Part # 7501-10-1293 for the SVR-250.**

Connections:	SVR	Function	Radio
	Black/Shield	Ground	Accessory Connector Pin 7
	White	Tx Audio Out	Accessory Connector Pin 2
	Blue	Remote enable/disable	External Switch to ground (see note)
	Green	PTT Out	Accessory Connector Pin 3
	Red	Switched B+	Accessory Connector Pin 13
	Yellow	Rx Audio In	Accessory Connector Pin 11
	Violet	COR	Accessory Connector Pin 4
	Grey	On Air Detect	N/C
	Brown	Local Mic In	N/C

<b>SVR</b>	JP1	[-]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	Low
<b>Jumpers:</b>	J1	[Out]	Tx audio level	<b>Program:</b>	Mobile Type:	Conv.
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	J4	[In]	Local mic audio loop		Tx Audio Response:	De-emp
	J5	[In]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[In]	Local mic sensitivity			
	J7	[Out]	Receive sensitivity			
	J8	[+]	Pull up resistor			

**Additional Modifications (SVR-200/SVR-250):** None.

## Additional Modifications (Radio):

1. Program Accessory connector J3 pin 4 for *PL/DPL & CSQ Detect*, active low.
2. Ensure JU551 is in the "B" position (default). *On GM300 only.*

**Note:** If Blue wire from SVR-200 / SVR-250 is connected to a Motorola vehicular charger output that provides an active high open collector output, set SVR-200 / SVR-250 JP1 to "+" and move solder jumper to J8 to the "-" position (pull down resistor).

Revision Number \_\_\_\_\_

Date \_\_\_\_\_

Approval Initials \_\_\_\_\_