

Application Note

AN #: 160I

DATE: 21-Jun-06

Page 1 of 1

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300
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 & SVR-300.

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

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[Out]	Tx audio level	Program:	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 / SVR-300): 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 _____