

# Application Note

**AN #: 171B**

DATE: 09-Dec-03

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

**RADIO MODEL:** Motorola Maxtrac Trunking

**ENGINEER:** W. Carlin / C. Carbajal

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

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

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	Pin 6 of U803
	Brown	Local Mic In	N/C
	Grey	On Air Detect	J6 pin 4 (TX PA connenctor)

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

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

**Additional Modifications (Radio):** None.

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

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

Date \_\_\_\_\_

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