

# Application Note

**AN #: 158E**

DATE: 6-Apr-99

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

**RADIO MODEL:** Motorola Maratrac

**ENGINEER:** W. Carlin

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

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

Connections:	SVR	Function	Radio
	Black/Shield	Ground	{ Cntrl Cable Radio Conn. } 8 AWG Black (Main Power)
	White	Tx Audio Out	J1 Pin 14
	Blue	Remote enable/disable	J1 Pin 13 thru ext. sw/diode see note
	Green	PTT Out	J1 Pin 12
	Red	Switched B+	J1 Pin 4
	Yellow	Rx Audio In	J1 Pin 11
	Violet	COR	J1 Pin 18
(Optional)	Brown	Local Mic In	N/C
	Grey	On Air Detect	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:	Pre-emp
	J6	[Out]	Local Mic Sensitivity			
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			

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

## Additional Modifications (Radio):

- Run a jumper from J20 pin 3 (telco/prog connector) on the radio chassis interconnect board (HLN 5343B), to the negative side of C523 on the audio squelch board (audio PA mute).
- Disable the front panel key beep via Motorola programming software.

**Note:** The remote enable/disable line for the SVR-200/SVR-250 (blue wire) must be connected to J1 pin 13 through an external switch and isolated with a diode:

