

# Application Note

AN #: 204A

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**PYRAMID MODEL #:** SVR-200 / SVR-250 / SVR-300

**RADIO MODEL:** Motorola Spectra Low/Mid Power

**ENGINEER:** W. Carlin

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

<b>Connections:</b>	<b>SVR</b>	<b>Function</b>	<b>Radio DB15 on rear of chassis (P2)</b>
	Black/Shield	Ground	P2 pin 8 (Dig Ground)
	White	Tx Audio Out	P2 pin 15 (Mic Hi)
	Blue	Remote enable/disable	External Sw to ground
	Green	PTT Out	P2 pin 13 (PTT)
	Red	Switched B+	P2 pin 4 (SW B+)
	Yellow	Rx Audio In	P2 pin 11 (Disc)
	Violet	COR	P2 pin 12 (VIP Out 1)
	Brown	Local Mic In	N/C
	Grey	On Air Detect	P2 pin 3 (VIP Out 2)

<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:	Conv/Trunk
	J2	[Out]	Tx audio impedance		On-Air Polarity:	High
	J4	[In]	Local mic audio loop		Tx Audio Response:	De-Emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[In]	Local Mic Sensitivity			
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

**Additional Modifications (SVR-200 / SVR-250 / SVR-300):** None.

## **Additional Modifications (Radio):**

1. Install a jumper between the Audio PA IC (TDA 7256) pin 10 (PA enable) and J503 pin 19 (VIP Out 1).
2. Install a jumper between J500 pin 15 (K9.4V) and J503 pin 22 (VIP Out 2).