Application Note

AN #: 149B
DATE:25-Mar-05

PYRAMID MODEL #: SVR-200 / SVR-250
RADIO MODEL: Motorola Spectra High Power
ENGINEER: C. Carbajal

APPROVAL INITIALS
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Connections:	***SVR***	***Function***	***Radio***	
	Black/Shield	Ground	J0006 Pin 10 or 18	(Grnd)
	White	Tx Audio Out	J0006 Pin 12	(Mic Hi)
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	J0006 Pin 1	(PTT)
	Red	Switched B+	J0006 Pin 22	(Sw B+)
	Yellow	Rx Audio In	J0006 Pin 9	(Det Audio)
	Violet	COR	J0006 Pin 16	(VIP 1)
	Brown	Local Mic In	J0006 Pin 8	(Tx Audio)
	Grey	On Air Detect	J0006 Pin 17	(VIP 2)

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	Mobile COR Polarity:	High
	J1	[Out]	Tx audio level		Mobile Type:	Conv.
	J2	[Out]	Tx audio impedance		On-Air Polarity:	High
	J4	[Out]	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			

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

Additional Modifications (Radio):

1. Install JU516 on the Command PCB (see figure 1 {Optional to disable emergency input}).
2. Install a jumper between the Audio PA IC (TDA 7256) pin 10 (PA enable) and J0502 pin 18 (VIP Out 1). This provides COR to accessory connecor JU0006.
3. Install a jumper between J500 pin 15 (K9.4V) and J503 pin 22 (VIP Out 2) to bring On Air Detect to JU0006.
4. On the radio interconnect board (HLN 6161B) ensure the following are installed/removed:

   Installed: Jumpers 512, 513, 605, 606, 609, 626, 627, 632, and resistor R601.
   Removed: Jumpers 611, 614, 615, and resistor R602.

Revision Number
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Approval Initials