

Application Note

AN #: 159E

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PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Motorola Spectra Low/Mid Power w/HLN6094B

ENGINEER: C. Carbajal

Command Board

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	SVR	Function	Radio	DB15 on rear of chassis (P2)
	Black/Shield	Ground		Accessory Connector Pin 8
	White	Tx Audio Out		Accessory Connector Pin 15
	Blue	Remote enable/disable		External Switch to Ground
	Green	PTT Out		Accessory Connector Pin 13
	Red	Switched B+		Accessory Connector Pin 4
	Yellow	Rx Audio In		Accessory Connector Pin 11
	Violet	COR		Accessory Connector Pin 12
	Brown	Local Mic In	N/C	
	Grey	On Air Detect		Accessory Connector Pin 3

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	High
Jumpers:	J1	[Out]	Tx audio level	Program:	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			

Additional Modifications (SVR-200): Adjust RV1 for 5VDC.

Additional Modifications (SVR-250): None.

Additional Modifications (Radio):

1. Install JU516 on the command PCB (see figure 1) {disable emergency input}.
2. Install a jumper between P503 pin 19 and C10 positive side (see figure 1) {COR output for accessory connector pin 12}.
3. If local mic repeat option is enabled (grey wire connected to Acc Conn pin 3) or if Spectra radio is a trunking mobile, add a jumper between P503 pin 4 and pin 22

Note: If SVR-200/SVR-250 blue wire 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 J8 to the "-" position (pull down resistor).