

Application Note

AN #: 247

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PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Motorola CDM 1550 /w Scholer Johnson PassPort Board

ENGINEER: C. Andresen

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
	Green	PTT Out	Accessory Connector Pin 3
	Red	Switched B+	Accessory Connector Pin 13
	Yellow	Rx Audio In	Accessory Connector Pin 11
	Violet	COR	Accessory Connector Pin 4
	Brown	Local Mic In	N/C
	Grey	On Air Detect	Accessory Connector Pin 8

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[Out]	Tx audio level	Program:	Mobile Type:	Conv./ Trunk
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[Out]	Local mic sensitivity			
	J7	[Out]	Receive sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	COR Pull up resistor			

Additional Modifications (SVR-200/SVR-250):

Additional Modifications (Radio):

1. From the Motorola CPS --> **Radio Configuration**, program the **Accessory Pins**:

- Pin #3 - Option board 1 (input) *Active Low*
- Pin #4 - Option board 1 (output) *Active Low*
- Pin #8 - Option board 2 (output) *Active Low*

2. From the Motorola CPS --> **Radio Configuration**, program the **Accessory Configuration**:

- 1) RX Audio Type = Flat Audio
- 2) Ext. PTT Audio Source = Ext Mic Audio

3. In the Scholer-Johnson RSS --> **Radio Globals**, program the **Accessory Connector**:

- 1) Option Board Input 1 = PTT
- 2) Option Board Output 1 = Tone Busy
- 3) Option Board Output 1 = Tx Active

Note: Local Mic. Repeat is not supported by the CDM-1250/1550 Radio.