Application Note

AN #: 274
DATE:10-APR-08

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Motorola PM1200
ENGINEER: M. Foley, C. Carbajal

APPROVAL INITIALS
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Order the Pyramid CDM interface cable: SVR-200-- part # 7501-10-1093
SVR-250/300 -- part # 7501-10-1293

Connections:	***SVR***	***Function***	***Radio***	**16 Pin Accy. Connector**
	Black/Shield	Ground	Pin 7	
	White	Tx Audio Out	Pin 2	
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	Pin 3	
	Red	Switched B+	Pin 13	
	Yellow	Rx Audio In	Pin 11	
	Violet	COR	Pin 4	
	Brown	Local Mic In	N/C	
	Grey	On Air Detect	N/C	

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	Mobile COR Polarity:	Low
	J1	[In]	Tx audio level		Mobile Type:	Conv
	J2	[In]	Tx audio impedance		On-Air Polarity:	N/A
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-Emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Pre-Emp
	J6	[Out]	Local Mic Sensitivity		Local Mic Repeat:	No
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

Additional Modifications (SVR-200 / SVR-250 / SVR-300):

Additional Modifications (Radio):

1. Locate J2002 on the Main board:
   A: Remove the wire and connector from the pin #2 location. Solder this wire to the collector of Q2027. Q2027 is on the back side of the main board. (this provides switched B+, center lead of transistor).
   B: Remove the wire and connector from the pin #3 location. Solder this wire to the base of Q2020. (This provides mobile COR)

2. Ensure that PM1200 jumpers are set as follows:

JP1 = Open	JP6 = Closed
JP2 = Open	JP7 = Open
JP3 = Open	JP8 = Closed
JP4 = Closed	JP9 = Open
JP5 = Open	