Application Note

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300
RADIO MODEL: Motorola CDM 1550LS+ /w PassPort Trunking
ENGINEER: C. Carbajal

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

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

Additional Modifications (Radio):

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

    Pin #3 - External Mic. PTT (input) *Active Low*
    Pin #4 - Option Board 2 (Output)
    Pin #8 - Clear To Send (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

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