

# Application Note

AN #: 271

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**PYRAMID MODEL #:** SVR-200 / SVR-250 / SVR-300

**RADIO MODEL:** Motorola CM300, CM300D

**ENGINEER:** C Carbjal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

**Order the Pyramid CDM interface cable Part # 7501-10-1093 for the SVR-200**

**Order the Pyramid CDM interface cable Part # 7501-10-1293 for the SVR-250 & SVR-300**

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

<b>SVR</b>	JP1	[-]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	Low
<b>Jumpers:</b>	J1	[Out]	Tx audio level	<b>Program:</b>	Mobile Type:	Conv.
	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 / SVR-300):

### Additional Modifications (Radio):

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

Pin #3 - External Mic. PTT (input) *Active Low*

Pin #4 - PL and CSQ Detect/Talkgroup Detect (output) *Active Low*

Pin #8 - Clear To Send (output) *Active Low*

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

1) RX Audio Type = Flat Audio

Note: Local Mic. Repeat is not supported by the CM-300 Radio.