

# Application Note

**AN #: 300**

DATE: 21-Aug-13

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

**RADIO MODEL:** Hytera DM-782G

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

Connections:	SVR	Function	Radio	DB26 Connector
	Black/Shield	Ground	Pin 2	Ground
	White	Tx Audio Out	Pin 7	Tx Audio Input
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	Pin 16	PRGM_IN_PTT
	Red	Switched B+	Pin 4	SW B+
	Yellow	Rx Audio In	Pin 8	RX Audio Out
	Violet	COR	Pin 3	GP5_3 GPIO
	Brown	Local Mic In	N/C	
	Grey	On Air Detect	N/C	

<b>SVR</b>	JP1	[-]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	High
<b>Jumpers:</b>	J1	[Out]	Tx audio level	<b>Program:</b>	Mobile Type:	Conv.
	J2	[Out]	Tx audio impedance		On-Air Polarity:	--
	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):** Adjust RV1 for 2.5VDC.

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

**Additional Modifications (Radio):**

1. Replace F1 with a 3A Fuse.
2. In the *Radio CPS - Conventional / Accessoris Menu* set the following:
  - a. Pin 3 = Carrier Detect, Active High
  - b. Pin 16 = External Mic PTT, Active Low