Application Note

AN #: 283
DATE:28-Aug-09

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: HYT TM-800
ENGINEER: C. Carbajal

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Connections:	***SVR***	***Function***	***Radio DB-15 Accy. Connector***
	Black/Shield	Ground	Pin 13
	White	Tx Audio Out	Pin 3
	Blue	Remote enable/disable	External Switch to Ground
	Green	PTT Out	Pin 6
	Red	Switched B+	Pin 14
	Yellow	Rx Audio In	Pin 5
	Violet	COR	Pin 7
	Brown	Local Mic Audio	N/C
	Grey	On Air Detect	Pin 8 (See notes 1-2)

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	Mobile COR Polarity:	Low
	J1	[In]	Tx audio level		Mobile Type:	Conv/Trunk
	J2	[In]	Tx audio impedance		On-Air Polarity:	High
	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			
	J11	[In]	Tx Audio Level (Not present on older SVR-200 units)			

Additional Modifications (SVR-200 / SVR-250 / SVR-300):
None.

Additional Modifications (Radio):

1. In the programming software/optional features/AUX menu set:
   AUX5 = External PTT
   AUX4 = RX Tone
   If trunking, Set AUX5 = None
2. If trunking, run a jumper from Pin 8 of DB-15 Accy Connector to Pin 2 of RF PA. This will provide On-Air Detect to the Pyramid device.