

# Application Note

AN #: 188

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

**RADIO MODEL:** Midland Syntech (70-056)

**ENGINEER:** W. Carlin

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

DEPT. HEAD \_\_\_\_\_

Connections:	SVR	Function	Radio
	Black/Shield	Ground	Chassis Ground
	White	Tx Audio Out	J361 Pin 7 {Tx PCB}
	Blue	Remote enable/disable	Ext Sw to Grd @ P394 Pin 2
	Green	PTT Out	J361 Pin 5 {Tx PCB}
	Red	Switched B+	J352 Pin 3 {Rx PCB}
	Yellow	Rx Audio In	JP202 {Rx PCB}
	Violet	COR	J359 Pin 2 {Rx PCB}
	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	[In]	Tx audio impedance		On-Air Polarity:	Low
	J4	[In]	Local mic audio loop		Tx Audio Response:	De-emp
	J5	[In]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[Out]	Local mic Sensitivity			
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR pull up resistor			

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

## Additional Modifications (Radio):

1. Remove the brown wire from J351 pin 1 on the Rx PCB (hook switch Ground) and connect to the blue wire from the SVR. The remote enable function can then be accessed via Pin 2 of rear connector P394 through an external switch to ground.

**Note:** *This configuration for remote mount radio; all connections made at the radio chassis.  
Drill a 1/4" hole through the plastic front panel for the SVR cable.*