

# Application Note

AN #: 235

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

**RADIO MODEL:** Midland Titan Low-Band model 70-0671C

**ENGINEER:** W. Carlin

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

Connections:	SVR	Function	Radio {12 pin 3 x 4 Molex Conn }
	Black/Shield	Ground	Acc Conn pin 7
	White	Tx Audio Out	Acc Conn pin 1
	Blue	Remote enable/disable	Acc Conn pin 8
	Green	PTT Out	Acc Conn pin 10
	Red	Switched B+	Acc Conn pin 9
	Yellow	Rx Audio In	Acc Conn pin 12
	Violet	COR	Acc Conn pin 11
	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	[In]	Rx Sensitivity			
	J8	[Out]	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 the accessory connector pin 1/ P206 pin 7. Add the following jumper wires from the Accessory connector to:

Acc Connector Pin	Location in radio
1	J401 pins 6&7 {micin}
7	Chassis Ground
9	J402 pin 11 {sw B+}
10	J902 pin 12 or J403 pin 9 {ptt}
11	R980 side not connected to D402 {rx mute}
12	J401 pins 8&9

R980/D402 are located on the front edge of the logic PCB, 1.25" from the right front corner.

2. Use the Aux button on the front panel to enable/disable the SVR.