

# Application Note

AN #: 173

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

**RADIO MODEL:** Uniden IMH-4100D

**ENGINEER:** W. Carlin

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

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

Connections:	SVR	Function	Radio
	Black/Shield	Ground	Accessory Conn. Pin 11
	White	Tx Audio Out	Accessory Conn. Pin 12
	Blue	Remote enable/disable	External switch to ground
	Green	PTT Out	Accessory Conn. Pin 8
	Red	Switched B+	Accessory Conn. Pin 10
	Yellow	Rx Audio In	Accessory Conn. Pin 7
	Violet	COR	Accessory Conn. Pin 9
	Brown	Local Mic In	N/C
	Grey	On Air Detect	N/C

<b>SVR</b>	JP1	[-]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	Low
<b>Jumpers:</b>	J1	[In]	Tx audio level	<b>Program:</b>	Mobile Type:	Conv.
	J2	[Out]	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	[In]	Local Mic Sensitivity			
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull Up Resistor			

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

## Additional Modifications (Radio):

1. Add the following jumpers from the accessory connector to the radio *main* PCB:

From Pin 10 to IC-501 Input                      From Pin 11 to Chassis Ground  
From Pin 12 to J101 Pin 2 (Mic)              From Pin 7 to J102 Pin 11 (Rx Data)

2. Add the following jumpers from the accessory connector to the radio logic *board* PCB:

From Pin 8 to J603 Pin 13 (PTT)              From Pin 9 to Q672 input

Revision Number \_\_\_\_\_

Date \_\_\_\_\_

Approval Initials \_\_\_\_\_