

# Application Note

AN #: 275

DATE: 09-June-08

Page 1 of 1

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

**RADIO MODEL:** Vertex VX3200 VHF/UHF

**ENGINEER:** M. Foley

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

Connections:	SVR	Function	Radio
	Black/Shield	Ground	DSUB9 pin 5
	White	Tx Audio Out	DSUB9 pin 3
	Blue	Remote enable/disable	External Switch to Ground
	Green	PTT Out	DSUB9 pin 7      see note 1
	Red	Switched B+	DSUB9 pin 8      see note 2
	Yellow	Rx Audio In	DSUB9 pin 2      see note 3
	Violet	COR	DSUB9 pin 1
	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:	N/A
	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			
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

**Additional Modifications (SVR-200/250/300):** Disable local mic repeat function under *Common Data* menu.

### Additional Modifications (Radio):

1. External PTT: Remove resistor R1502 from the RF board, side A. Also run a wire from the board side of the mic connector J2001 pin 3 to the back side of the DB9 accy. connector pin 7. On the local microphone: cut and re-route the yellow mic audio wire to a set of unused normally open contacts on the mic switch. (hot mic mod)
2. SB+ : Run a jumper wire from the emitter of Q1005, (side B of the board), to the board side of the DB9 accy. connector pin 8.
3. Make sure that JP3 is shorted. (this is factory default)

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

Date \_\_\_\_\_

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