

Application Note

AN #: 275

DATE: 09-June-08

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PYRAMID MODEL #: SVR-200 / SVR-250

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

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	High
Jumpers:	J1	[Out]	Tx audio level	Program:	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/SVR-250): 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)

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