

Application Note

AN #: 199B

DATE: 2-Sep-99

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PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Vortex VX3000 VHF/UHF

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	SVR	Function	Radio
	Black/Shield	Ground	DSUB9 pin 5
	White	Tx Audio Out	DSUB9 pin 3 See note 1
	Blue	Remote enable/disable	External Switch to Ground
	Green	PTT Out	DSUB9 pin 7
	Red	Switched B+	DSUB9 pin 8
	Yellow	Rx Audio In	DSUB9 pin 2 See note 2
	Violet	COR	DSUB9 pin 1 See note 3
	Brown	Local Mic In	N/C
	Grey	On Air Detect	N/C

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	High
Jumpers:	J1	[In]	Tx audio level	Program:	Mobile Type:	Conv
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	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. Mic Audio: Remove jumper JP1005 and install jumper JP1006.
2. Rx Audio: Remove jumper JP1003 and install jumper JP1004
3. Mobile COR: Remove the wire from J1004 pin 1 and connect to Q1049 base.

Replace F1001 with a 2A fuse

Revision Number _____

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Approval Initials _____