

Application Note

AN #: 231A

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PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Vertex VX-6000 *VHF* Single Band / Single Head

ENGINEER: W. Carlin, C. Carbajal

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	SVR	Function	Radio	DB25 Connector
	Black/Shield	Ground	Pin 7	
	White	Tx Audio Out	Pin 13	
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	Pin 11	
	Red	Switched B+	Pin 14	
	Yellow	Rx Audio In	Pin 17	
	Violet	COR	Pin 24	
	Brown	Local Mic In	N/C	
	Grey	On Air Detect	N/C	

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[Out]	Tx audio level	Program:	Mobile Type:	Conv
	J2	[In]	Tx audio impedance		On-Air Polarity:	Low
	J4	[Out]	Local mic audio loop		Tx Audio Response:	Flat
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	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):

1. Disable local mic repeat using the SVR-200 personalization software.

Additional Modifications (Radio):

1. Ensure that DSUB 20 is programmed for "None" in VX-6000.
2. Ensure that VX-6000 jumpers are set as follows:

JP2 = Closed	JP6 = Open
JP3 = Closed	JP7 = Open
JP4 = Open	JP8 = Closed
JP5 = Closed	JP9 = Open
3. In the VX-6000 replace F2001 (located next to J2001) with a 2A 0805 chip fuse.
4. Add a 10K Ohm Resistor from J2001 side of C2013 to Ground. This adds a pull down on SP Mute.