

Application Note

AN #: 168A

DATE: 10-Jun-99

Page 1 of 1

PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Motorola Mitrek

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	SVR	Function	Radio (Control Head or Radio Conn)
	Black/Shield	Ground	Pin 17
	White	Tx Audio Out	Pin 1
	Blue	Remote enable/disable	External Switch to Ground
	Green	PTT Out	Pin 13
	Red	Switched B+	Pin 4
	Yellow	Rx Audio In	Pin 11
	Violet	COR	Pin 18
	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	[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): Adjust RV1 (COR threshold) for 1.75VDC.

Additional Modifications (SVR-250): None.

Additional Modifications (Radio):

1. Remove the wire from Pin 18 at the control head connector.
2. Add a jumper on the Mitrek radio main PCB from piont "E" (collector of Q406) to pin 18 of the main radio connector (on interconnect PCB where JU3 A & B are connected together).
3. Ensure JU3A and JU3B and not installed.

Revision Number _____

Date _____

Approval Initials _____