Application Note

AN #: 148B

DATE 13-Nov-96

PYRAMID MODEL #: SVR-200 / SVR-250
RADIO MODEL: Kenwood TK-x30 Dual Band
ENGINEER: W. Carlin

APPROVAL INITIALS
ENGINEER
DEPT. HEAD

Connections:	***SVR***	***Function***	***Radio***
	Black/Shield	Ground	J4 Pin 15
	White	Tx Audio Out	J4 Pin 5
	Blue	Remote enable/disable	J4 Pin 10
	Green	PTT Out	J4 Pin 8
	Red	Switched B+	J4 Pin 7
	Yellow	Rx Audio In	J4 Pin 4
	Violet	COR	J4 Pin 11
(Optional)	Brown	Local Mic In	J4 Pin 1
	Grey	On Air Detect	N/C

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	Mobile COR Polarity:	High
	J1	[In]	Tx audio level		Mobile Type:	Conv.
	J2	[In]	Tx audio impedance		On-Air Polarity:	Low
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-emp
	J5	[In]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[Out]	Local Mic Sensitivity			
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			

Additional Modifications (SVR-200 / SVR-250): None

Additional Modifications (Radio):

1. Program the "A" key for Aux option.
2. Add a jumper from IC103 pin 4 to CN106 pin 9 (HN2). Add a jumper from point "D" to CN106 pin 8 (HN1).
3. Remove the receive audio wire (white/yellow) from CN104 pin 3 and move it to IC103 pin 1.
4. On the KRK-4 PCB, add a jumper between the two pins of relay K51 closest to the notched cut-out in the PCB (reference designator B71 on the PCB layout, page 35 of the KRK-4 manual).
5. If the local mic repeat option is enabled (Brown wire to J4-1), add a jumper from IC103 pin 19 to CN105 pin 2 (HK) and remove R131 on the bottom side of the PCB.
6. On the radio front panel PCB, remove R20 (Basic Control) or R35 (full alpha) for LED backlighting when repeater is enabled.

Revision Number
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Approval Initials