

Application Note

AN #: 228B

DATE: 26-Jan-05

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PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300

RADIO MODEL: Kenwood TK-7150 / 8150

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	SVR	Function	Radio	DB25 Connector
	Black/Shield	Ground	Pin 7	Ground
	White	Tx Audio Out	Pin 6	MI2
	Blue	Remote enable/disable	Pin 20	Output #1
	Green	PTT Out	Pin 21	Input #1
	Red	Switched B+	Pin 14	SB
	Yellow	Rx Audio In	Pin 19	DEO
	Violet	COR	Pin 8	Output #2
	Brown	Local Mic In	N/C	
	Grey	On Air Detect	Pin 15	TXS

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[In]	Tx audio level	Program:	Mobile Type:	Conv/Trunk
	J2	[In]	Tx audio impedance		On-Air Polarity:	High
	J4	[In]	Local mic audio loop		Tx Audio Response:	De-Emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[In]	Local Mic Sensitivity			
	J7	[In]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

Additional Modifications (SVR-200): Adjust RV1 for 2.5VDC.

* Note, If local mic repeat enabled, replace R72 in SVR-200 to 1K Ohm 0805 Resistor.

Additional Modifications (SVR-250 / SVR-300):

* Note, If local mic repeat enabled, replace R43 in SVR-250 to 1K Ohm 0603 Resistor.

Additional Modifications (Radio):

- In the **Option Features** menu set the following:
 - In the **Extended Function** tab, set External PTT for:
 - Mic Line= Disconnect
 - MI2= Connect
 - DI=Disconnect
 - w/QT/DQT=Yes
 - w/STE=Yes
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 - Mic Line= Connect
 - MI2= Connect
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 - w/QT/DQT=Yes
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- In the **Function Port** menu set the following:
 - Aux Input #1=External PTT
 - Aux Output #1= AUX A
 - Aux Output #2=TOR
- In the **Key Assignment** menu set the following:
 - Program PF6 = AUX A