

# Application Note

AN #: 228B

DATE: 26-Jan-05

Page 1 of 1

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

**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

<b>SVR</b>	JP1	[-]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	Low
<b>Jumpers:</b>	J1	[In]	Tx audio level	<b>Program:</b>	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):**

\*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
  - In the **Extended Function** tab, set Mic PTT for:
    - Mic Line= Connect
    - MI2= Connect
    - DI= Disconnect
    - w/QT/DQT=Yes
    - w/STE=Yes
- 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