

# Application Note

AN #: 214E

DATE: 21-Jun-06

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

**RADIO MODEL:** Kenwood TK-760G/762G/860G/862G mobile

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

DEPT. HEAD \_\_\_\_\_

**Order the Pyramid TK-x60G interface cable Part # 7502-10-1044 for the SVR-200**

**Order the Pyramid TK-x60G interface cable Part # 7502-10-1244 for the SVR-250**

Connections:	SVR	Function	Radio	
	Black/Shield	Ground	KCT-19 Pin 6	
	White	Tx Audio Out	KCT-19 Pin 5	
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	KCT-19 Pin 8	
	Red	Switched B+	KCT-19 Pin 7	
	Yellow	Rx Audio In	KCT-19 Pin 4	
	Violet	COR	KCT-19 Pin 11	* see note 1
	Brown	Local Mic In	N/C	
(Trunking Only)	Grey	On Air Detect	KCT-19 Pin 15	* see note 2

<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
	J2	[Out]	Tx audio impedance		On-Air Polarity:	High
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-emp
	J5	[Out]	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):** Ensure Local Mic Repeat is **Disabled**.

## Additional Modifications (Radio):

1. Remove the **grey** wire of the KCT-19 CN4. Jumper this wire to the side R103 that is connected to Pin 7 of IC9. See TK-x60 Service Manual for details on part location. Set Mobile COR Polarity to High in SVR.  
\* If you are not using CTCSS/DCS decode on the mobile, do not perform this modification.
2. If using trunking, remove the black/white wire from the KCT-19 CN4. Jumper this wire to CN6 pin 3 (8TC).
3. From the **Edit** pull down menu in the Kenwood KPG-59D programming software, select the **Optional Features** menu. From this menu set **Data TX with QT/DQT = Yes**.

Revision Number \_\_\_\_\_

Date \_\_\_\_\_

Approval Initials \_\_\_\_\_