

# Application Note

**AN #: 226B**

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**PYRAMID MODEL #:** SVR-200 / SVR-250 / SVR-300  
**RADIO MODEL:** Kenwood TK-x80 Series /w Local Mic Rpt.  
**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

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
	Brown	Local Mic In	N/C
	Grey	On Air Detect	KCT-19 Pin 15

<b>SVR</b>	JP1	[-]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	High
<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	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

**Additional Modifications (SVR-200 / SVR-250 / SVR-300):** Enable local mic repeat function under *Common Data* menu.

**Additional Modifications (Radio):**

*Using the KPG-49 software, program steps 1 and 2:*

1. Program the COR output for active high under the **Edit/Optional Features/Logic Signalling**; Select "Squelch Logic Type : High" and "Squelch Logic Signal : TOR".
2. To enable PTT input on pin 8 of the KCT-19, under **Edit/Optional Features**, program Com2 as "Aux Hook/PTT".
3. Install the KCT-19 "E" plug into CN-2
4. Remove R168 (DTC), R13 (LOK) and R84 (FSW). Install R51 (KEY). This brings TXS to pin 15 of the KCT-19 for On Air Detect.
5. Remove R94 (KEY). Install R24 (MI). This brings Mic Hi to pin 5 of the KCT-19.