

Application Note

AN #: 201B

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

RADIO MODEL: Kenwood TK-x80 Series

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Order the Pyramid TK-x80 interface cable Part # 7504-10-1044 for the SVR-200

Connections:	SVR	Function	Radio
	Black/Shield	Ground	KCT-19 Pin 6
	White	Tx Audio Out	KCT-19 Pin 9
	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 5 {Trunking mob only}

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

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

Additional Modifications (Radio): Install the KCT-19 "E" plug into CN-2

Using the KPG-49 software, program the following:

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".