

Application Note

AN #: 250C

DATE: 21-Jun-06

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

RADIO MODEL: Kenwood TK-7160 / TK-8160

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Order the Pyramid TX-x160 interface cable Part # 7505-10-1044 for the SVR-200

Order the Pyramid TX-x160 interface cable Part # 7505-10-1244 for the SVR-250 & SVR-300

Connections:	SVR	Function	Radio	
	Black/Shield	Ground	KCT-39 Pin 3	GND
	White	Tx Audio Out	KCT-39 Pin 5	DATAI
	Blue	Remote enable/disable	KCT-39 Pin 14	FNC2
	Green	PTT Out	KCT-39 Pin 7	FNC3
	Red	Switched B+	KCT-39 Pin 1	SB+
	Yellow	Rx Audio In	KCT-39 Pin 4	DETO
	Violet	COR	KCT-39 Pin 11	FNC7
	Brown	Local Mic In	N/C	
	Grey	On Air Detect	KCT-39 Pin 15	FNC1

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[Out]	Tx audio level	Program:	Mobile Type:	Conv./
	J2	[Out]	Tx audio impedance		Trunk	
	J4	[Out]	Local mic audio loop		On-Air Polarity:	Low
	J5	[Out]	Local mic PTT loop		Tx Audio Response:	Flat
	J6	[Out]	Local mic sensitivity		Rx Audio Response:	Flat
	J7	[Out]	Receive sensitivity		Local Mic Repeat	No
	J8	[+]	Pull up resistor			
	J9	[Out]	COR Pull up resistor			

Additional Modifications (SVR-200 / SVR-250/ SVR-300):

Additional Modifications (Radio): Install the KCT-39 into the radio.

Using the KPG-99 software, program the following:

1. Program the **Edit/Key Assignments:**
A Key = AUX
2. Program the **Edit/Function Port:**
Port 1 = Output, TXS
Port 2 = Output, AUX
Port 3 = Input, PTT
Port 7 = Output, Tone Operated Relay