

Application Note

AN #: 284

DATE: 28-Oct-09

Page 1 of 1

PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Kenwood TK-7102, TK-7108, TK-8102, TK-8108

Version 2 Radios ONLY

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

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	N/C	

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[Out]	Tx audio level	Program:	Mobile Type:	Conventional
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	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		Local Mic Repeat	No
	J7	[Out]	Receive sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	COR Pull up resistor			

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

Additional Modifications (Radio):

1. Install the KCT-39 into the radio.

Using the KPG-70D software, program the following:

2. Program the *Edit/Key Assignments*:

Aux Key = AUX

3. Program the *Edit/Function Port*:

Port 1 = TX Relay

Port 2 = AUX

Port 3 = PTT

Port 7 = Tone Operated Relay

4. Program the *Edit/Optional Features*:

Data TX with QT/DQT = Yes