Application Note

AN #: 284
DATE: 28-Oct-09

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
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 & 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	N/C	

SVR Jumpers:

JP1	[-]	Remote Enable
J1	[Out]	Tx audio level
J2	[Out]	Tx audio impedance
J4	[Out]	Local mic audio loop
J5	[Out]	Local mic PTT loop
J6	[Out]	Local mic sensitivity
J7	[Out]	Receive sensitivity
J8	[+]	Pull up resistor
J9	[Out]	COR Pull up resistor

SVR Program:

Mobile COR Polarity:	Low
Mobile Type:	Conven-tional
On-Air Polarity:	Low
Tx Audio Response:	Flat
Rx Audio Response:	Flat

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

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