

Application Note

AN #: 284

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PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300
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 | JP1 | [-] | Remote Enable | SVR | Mobile COR Polarity: | Low |
| Jumpers: | J1 | [Out] | Tx audio level | Program: | Mobile Type: | Conven- |
| | J2 | [Out] | Tx audio impedance | | tional | |
| | 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 | | | |
| | J8 | [+] | Pull up resistor | | | |
| | J9 | [Out] | COR Pull up resistor | | | |

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