

Application Note

AN #: 278B

DATE : 19-May-17

Page 1 of 1

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

RADIO MODEL: ICOM F5061/6061 Series

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

| Connections: | SVR | Function | Radio DB25 connector |
|---------------------|--------------|-----------------------|-----------------------------|
| | Black/Shield | Ground | Pin 7 |
| | White | Tx Audio Out | Pin 8 |
| | Blue | Remote enable/disable | External Switch To Ground |
| | Green | PTT Out | Pin 19 |
| | Red | Switched B+ | Pin 1 * See Notes |
| | Yellow | Rx Audio In | Pin 9 |
| | Violet | COR | Pin 10 |
| | 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: | Conv. |
| | J2 | [Out] | Tx audio impedance | | On-Air Polarity: | --- |
| | 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 | Disabled |
| | J7 | [Out] | Rx Sensitivity | | | |
| | J8 | [+] | Pull up resistor | | | |
| | J9 | [In] | MCOR Pull up resistor | | | |

Additional Modifications (SVR-200 / SVR-250 / SVR-300): None

Additional Modifications (Radio):

1. From the bottom side of the "Main Unit", solder a jumper wire from the input of IC20(TA7808F), to Pin 1 of the DB25 connector. This provides SWB+ to Pin 1 of the DB25 connector.
2. Ensure that **solder bead F is removed** and that **solder bead D Is Installed** on the Main Unit PCB of the radio. This enables the external audio input.
3. In the radio cloning software, to set Pin 10 as Carrier Operated Relay: Under "Common", then "Common" again: "EXT OUT", set RX EXO to "ON" and it's Delay Timer to "OFF".
4. On radios with serial numbers listed below (manufactured after 2012), **ensure that solder bean N is installed** and **solder bead T is removed**. This will allow input audio to pass through the radio.

IC-F506 #11 -- 1116001 and above
IC-F5061D #41 -- 4110301 and above
IC-F5061D #42 -- 4209601 and above

IC-F5061 #21 - all production
IC-F5061D #51 - all production
IC-F5061D #61 - all production
IC-F5061D #62 - all production