

# Application Note

AN #: 278B

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

**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

<b>SVR</b>	JP1	[-]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	Low
<b>Jumpers:</b>	J1	[Out]	Tx audio level	<b>Program:</b>	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): 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