Application Note

AN #: 278B
DATE:19-May-17

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: ICOM F5061/6061 Series
ENGINEER: C. Carbajal

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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 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]	Rx Sensitivity
J8	[+]	Pull up resistor
J9	[In]	MCOR Pull up resistor

SVR Program:

Mobile COR Polarity:	Low
Mobile Type:	Conv.
On-Air Polarity:	---
Tx Audio Response:	Flat
Rx Audio Response:	Flat
Local Mic Repeat	Disabled

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