

# Application Note

AN #: 258A

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**PYRAMID MODEL #:** SVR-200 / SVR-250  
**RADIO MODEL:** Icom F1700 Series Conventional  
**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**  
ENGINEER \_\_\_\_\_  
DEPT. HEAD \_\_\_\_\_

Connections:	SVR	Function	Radio DB9 of ICOM OPC-617
	Black/Shield	Ground	J2 Pin 9
	White	Tx Audio Out	J2 Pin 4
	Blue	Remote enable/disable	External Switch To Ground
	Green	PTT Out	J2 Pin 5
	Red	Switched B+	J2 Pin 1 * See Notes
	Yellow	Rx Audio In	J2 Pin 3
	Violet	COR	J2 Pin 6
	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	[In]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[In]	MCOR Pull up resistor			

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

### Additional Modifications (Radio):

1. Remove the Blue Wire from Pin 2 of J8 (11 pin connector) and move this wire to Pin 1 of J8. This provides SWB+ to Pin 1 of the OPC-617 DB9 connector.
2. Ensure that Solder Bead F is installed on the Main Unit PCB of the radio. This enables the external audio input.
3. Disable 2/5 tone functions for the desired channels.
4. In the radio cloning software *Common/Common* data screen:
  - a. Set EXO to ON and EXO Delay Timer to OFF.
  - b. Set EPTT Delay Timer to OFF
  - c. Set Tone Mute EPTT to OFF
  - d. Set Horn to ON