

# Application Note

**AN #: 288A**

DATE: 6-Feb-15

Page 1 of 1

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

**RADIO MODEL:** Icom F9511 / F9521 Series P25

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

<b>Connections:</b>	<b>SVR</b>	<b>Function</b>	<b>Radio DB25</b>
	Black/Shield	Ground	Pin 14
	White	Tx Audio Out	Pin 8
	Blue	Remote enable/disable	External Switch To Ground
	Green	PTT Out	Pin 19
	Red	Switched B+	Pin 11
	Yellow	Rx Audio In	Pin 9
	Violet	COR	Pin 10
	Brown	Local Mic In	N/C
	Grey	On Air Detect	Pin 17

<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/Trunk
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-Emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Pre-Emp
	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):**

### **Additional Modifications (Radio):**

1. Ensure that Solder Bead "N" is installed on the Main Unit PCB of the radio. This enables the external audio input.
2. 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
3. In the radio cloning software *External I/O/Port Setting* screen:
  - a. Set EXT. I/O 10 = Horn, Active Low (on newer radios, use the Analog Audible or DigitalAudible setting)
  - b. Set EXT. I/O 17 = TX, Active Low
  - c. Set EXT. I/O 19 = EPTT, Active Low