Application Note

AN #: 288A
DATE: 6-Feb-15

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Icom F9511 / F9521 Series P25
ENGINEER: C. Carbajal

APPROVAL INITIALS
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Connections:

SVR	***Function***	***Radio*** **DB25**
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

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/Trunk
On-Air Polarity:	Low
Tx Audio Response:	De-Emp
Rx Audio Response:	Pre-Emp
Local Mic Repeat	Disabled

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