Application Note

AN #: 286A
DATE: 22-Jan-2018

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Icom F5021 / F6021
ENGINEER: C. Carbajal

APPROVAL INITIALS
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Connections:	***SVR***	***Function***	***OPC-1939 DB-15 Accy. Connector***	
	Black/Shield	Ground	Acc Conn pin 1	GND
	White	Tx Audio Out	Acc Conn pin 13	IN
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	Acc Conn pin 14	EPTT
	Red	Switched B+	Acc Conn pin 15	SB+
	Yellow	Rx Audio In	Acc Conn pin 2	DISC
	Violet	COR	Acc Conn pin 11	ACC1
	Brown	Local Mic In	Acc Conn pin 10	* Note 2
	Grey	On Air Detect	Acc Conn pin 7	TX

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	Mobile COR Polarity:	Low
	J1	[Out]	Tx audio level		Mobile Type:	Conv / Trunk
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	J4	[Out]	Local mic audio loop		Tx Audio Response:	Flat
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[In]	Local Mic Sensitivity		Local Mic Repeat	Yes
	J7	[In]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[In]	MCOR Pull up resistor			
	J11	[In]	Tx Audio Gain			

Additional Modifications (SVR-200 / SVR-250 / SVR-300):

Additional Modifications (Radio):

1. Replace Fuse S1 with a 3 Amp pico fuse.
2. Install Solder Bead "D" on main PCB in mobile radio.
3. If local microphone repeat is enabled; Remove the yellow wire from J6 and jumper to MIC pad. This brings local microphone audio to Pin 10 of the DB-15.

In the radio programming software, set the following:
External I/O / Port Setting:

4. Set External I/O 7 = Output = TX
5. Set External I/O 11 = Output = Horn
6. Set External I/O 14 = EPTT

External I/O / Option:

7. Set RX EXO = ON
8. Set RX EXO DELAY = OFF