

Application Note

AN #: 314A

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

RADIO MODEL: Icom F7510 P25 Mobile

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APPROVAL INITIALS

ENGINEER

DEPT. HEAD

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 * See Notes, Mod Required
	Yellow	Rx Audio In	Pin 6 * See Notes, Mod Required
	Violet	COR	Pin 21
	Brown	Local Mic In	N/C
	Grey	On Air Detect	Pin 17

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[Out]	Tx audio level	Program:	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):

- In the radio cloning software *Common/External IO / Option* data screen:
 - Set EXPTT / EPTT Mic Input Select = External Port
 - Set TX Disable Selection, EPTT and FRONT = Enable
- In the radio cloning software *External I/O/Port Setting* screen:
 - Set EXT. I/O 21 = Mixed Audible, Active Low
 - Set EXT. I/O 17 = TX, Active Low
 - Set EXT. I/O 19 = EPTT, Active Low
- In the radio cloning software *Common/Audio Settings/Audio Level* screen:
 - Set AF Min Level to 1
- Change S400 Fuse to 3 Amp SMT Fuse
- Run a jumper from IC409 Pin 1 to Pin 6 of DB25 accessory board connector.
- Run a jumper from the back/output of S400 Fuse to accessory port Pin 11 (accessory connector PCB has a gold via/pad on board, near pin 11)