Application Note

AN #: 314A
DATE: 24-May-18

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Icom F7510 P25 Mobile
ENGINEER: A. Reno / D. Sanders

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 Requried
Yellow	Rx Audio In	Pin 6 * See Notes, Mod Requried
Violet	COR	Pin 21
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. In the radio cloning software ***Common/External IO / Option*** data screen:
   a. Set EXPTT / EPTT Mic Input Select = External Port
   b. Set TX Disable Selection, EPTT and FRONT = Enable

2. In the radio cloning software ***External I/O/Port Setting*** screen:
   a. Set EXT. I/O 21 = Mixed Audible, Active Low
   b. Set EXT. I/O 17 = TX, Active Low
   c. Set EXT. I/O 19 = EPTT, Active Low

3. In the radio cloning software ***Common/Audio Settings/Audio Level*** screen:
   a. Set AF Min Level to 1

4. Change S400 Fuse to 3 Amp SMT Fuse
5. Run a jumper from IC409 Pin 1 to Pin 6 of DB25 accessory board connector.
6. Run a jumper from the back/output of S400 Fuse to accessory port Pin 11 (accesssory connector PCB has a gold via/pad on board, near pin 11)