

# Application Note

**AN #: 259C**

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

**RADIO MODEL:** Johnson 5300 X Series Mobile

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

**Order the Pyramid 5300 interface cable Part # 7553-10-1045 for the SVR-200**

<b>Connections:</b>	<b>SVR</b>	<b>Function</b>	<b>Radio</b>
			J601 DB25 {Universal Interface Cable} {EFJ PN 597-2002-245}
	Black/Shield	Ground	J601 Pin 24
	White	Tx Audio Out	J601 Pin 12
	Blue	Remote enable/disable	J601 Pin 14
	Green	PTT Out	J601 Pin 1
	Red	Switched B+	J601 Pin 22
	Yellow	Rx Audio In	J601 Pin 10
	Violet	COR	J601 Pin 6
	Brown	Local Mic Audio	J601 Pin 11
	Grey	On Air Detect	J601 Pin 5

<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:	High
	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			
	J7	[Out]	Rx Sensitivity			
	J8	[-]	Pull up resistor			
	J9	[Out]	MCOR pull up resistor			

**Additional Modifications (SVR-200 / SVR-250 / SVR-300):** None

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

1. Replace fuse F1 with a 3 Amp fast blow type surface mount fuse (adjacent to J5 on 5300 logic pcb).
2. There are two ways to enable TX\_Mic\_In at Pin 12 of the Universal Interface Cable. Perform only **ONE** of the two following items:
  - a) Add a jumper from Pin 24 (Ground) to Pin 21 of the EFJ Universal Interface Cable DB-25.
  - b) Add a jumper from Pin 9 of J5 (Audio Logic PCB) to Ground (Pin 12 or Shield of J5).
3. Program one of the soft keys to enable/disable the SVR by selecting "Radio Wide Options", "Assign Buttons", click on the desired key and select "Remote Access".