

# Application Note

**AN #: 239**

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Page 1 of 1

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

**RADIO MODEL:** Tait T8115 - Conventional

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

<b>Connections:</b>	<b>SVR</b>	<b>Function</b>	<b>Compact DB-15 Ext. Options PCB</b>
	Black/Shield	Ground	Acc Conn pin 7
	White	Tx Audio Out	Acc Conn pin 1
	Blue	Remote enable/disable	Acc Conn pin 13
	Green	PTT Out	Acc Conn pin 15
	Red	Switched B+	Acc Conn pin 2
	Yellow	Rx Audio In	Acc Conn pin 6
	Violet	COR	Acc Conn pin 14
	Brown	Local Mic In	N/C
	Grey	On Air Detect	N/C

<b>SVR</b>	JP1	[+]	Remote Enable	<b>SVR</b>	Mobile COR Polarity:	High
<b>Jumpers:</b>	J1	[Out]	Tx audio level	<b>Program:</b>	Mobile Type:	Conv
	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	No
	J7	[Out]	Rx Sensitivity			
	J8	[Out]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

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

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

1. Install the External Options board into the radio. All connections made at the compact DB-15 of the external options board.
2. In the *Programmable I/O / Digital* screen, set IOP\_GPIO1 = Input, External PTT1, Active Low
3. In the *Programmable I/O / Digital* screen, set IOP\_GPIO2= Output, Busy Status, Active High
4. In the *Programmable I/O / Digital* screen, set IOP\_GPIO3= Output, F1 Key, Active High, Signal Type = Latching
5. In the *Programmable I/O / Audio* screen, set RX Tap In = None, Tap Out = R1, Type = D-Split, Rx Mute Open
6. In the *Programmable I/O / Audio* screen, set EPTT1 Tap In = T3, On PTT, Tap Out = None
7. In the *PTT* screen set External PTT1 Audio Source = Audio Tap In