

# Application Note

AN #: 304

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

**RADIO MODEL:** BK KNG-M500

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

<b>Connections:</b>	<b>SVR</b>	<b>Function</b>	<b>Radio (RF Deck Accy Connector DB25)</b>
	Black/Shield	Ground	Pin 8
	White	Tx Audio Out	Pin 19
	Blue	Remote enable/disable	Pin 24
	Green	PTT Out	Pin 12
	Red	Switched B+	Pin 20
	Yellow	Rx Audio In	Pin 6
	Violet	COR	Pin 23
	Brown	Local Mic In	N/C
	Grey	On Air Detect	Pin 11
	Black/White	Emergency	Pin 9 (SVR-250/300 Series Only)

<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/Trunk-
	J2	[Out]	Tx audio impedance		ed	
	J4	[Out]	Local mic audio loop		On-Air Polarity:	Low
	J5	[Out]	Local mic PTT loop		Tx Audio Response:	Pre-Emp
	J6	[Out]	Local Mic Sensitivity		Rx Audio Response:	De-Emp
	J7	[In]	Rx Sensitivity		Priority Sampling	~ 0.75 Sec.
	J8	[+]	Pull up resistor			
	J9	[In]	MCOR Pull up resistor			
	J11	[Out]	Tx audio level			

## Additional Modifications (Radio):

### 1. In the Programming Application:

#### a. In the **Global / Common / Mobile I/O** screen

1. Set Output 1 Mode = Active Rx - Mobile Checked - Active High
2. Set Output 2 Mode = Active Tx - Mobile Checked - Active High
3. Set Output 3 Mode = Auxillary 3 Button - Mobile Checked - Active Low

#### b. In the **Conventional / Buttons** screen

1. Program a Button: Global, Conventional, Buttons tab; F4 for Auxillary 3 Output.  
This will enable the SVR when pressed
2. Program a Button: Global, P25 Trunking, Buttons tab; F4 for Auxillary 3 Output.  
This will enable the SVR when pressed.