Application Note

AN #: 304
DATE: 1-Jun-15

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: BK KNG-M500
ENGINEER: C. Carbajal

APPROVAL INITIALS
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Connections:

SVR	*Function*	*Radio* **(RF Deck Accy Connector DB25)**
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)

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	[In]	Rx Sensitivity
J8	[+]	Pull up resistor
J9	[In]	MCOR Pull up resistor
J11	[Out]	Tx audio level

SVR Program:

Mobile COR Polarity:	High
Mobile Type:	Conv/Trunk-ed
On-Air Polarity:	Low
Tx Audio Response:	Pre-Emp
Rx Audio Response:	De-Emp
Priority Sampling	~ 0.75 Sec.

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.