Application Note

AN #: 319A
DATE: 2-Nov-21

PYRAMID MODEL #: SVR-P255 EVRS / SVR-P252 / SVR-350
RADIO MODEL: Kenwood Viking VM-5000/6000 Series Single Deck
ENGINEER: C. Carbajal

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Order the Pyramid TK-x180/5x20/NX Series interface cable Part# 7512-10-1245 for the SVR-P255 or SVR-350

Connections:	***SVR***	***Function***	***Radio***	**DB25 Connector**
	Black/Shield	Ground	Pin 7	Ground
	White	Tx Audio Out	Pin 6	MI2
	Blue	Remote enable/disable	Pin 21	Aux I/O 4
	Green	PTT Out	Pin 4	Aux I/O 9
	Red	Switched B+	Pin 14	SB+
	Yellow	Rx Audio In	Pin 17	AFO
	Violet	COR	Pin 22	Aux I/O 3
	Black/Wht	Emergency	Pin 24	Emergency
	Grey	EVRS0	Pin 8	EVRS0
	Teal	EVRS2	Pin 12	EVRS2
	Pink	EVRS1	Pin 13	EVRS1

SVR	JP1	[-]	Remote Enable	**SVR**	Mobile COR Polarity:	High
Jumpers:	J1	[Out]	Tx audio level	**Program:**	Mobile Type:	EVRS
	J2	[Out]	Tx audio impedance		On-Air Polarity:	High
	J4	[In]	Local mic audio loop		Tx Audio Response:	Flat
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[Out]	Local Mic Sensitivity		Local Mic Repeat	No
	J7	[Out]	Rx Sensitivity		ESP	Yes
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			
	J11	[Out]	Tx audio level			

Additional Modifications (SVR-200 / SVR-250 / SVR-300 / SVR-350): Connect Red/Black wires from factory cable to 12VDC. * KLF-2 or similar DC line filter is recommended on any installation to ensure clean power to mobile and SVR.

Additional Modifications (Radio):

In the Armada software, set the following:

1. In the ***Global/Lists/Mic Audio Profile/External,*** *Set "normal" audio gains to* ***0db***

2. In the ***Button/Menu, Button*** screen set one of the soft keys for **Repeater Enable** to enable the repeater in Trunking or Conventional. .

3. In the ***Global/Mobile Options*** screen, set the following:
   a. DB-25 Pin 4 = Input, Ext PTT, Low
   b. DB-25 Pin 8 = Output, EVRS0, High
   c. DB-25 Pin 12 = Output, EVRS2, High
   d. DB-25 Pin 13 = Output, EVRS1, High
   e. DB-25 Pin 21 = Output, Repeater Enable/Disable, Low
   f. DB-25 Pin 22 = Output, Output Busy, High