

# Application Note

**AN #: 163F**

DATE: 21-Jun-06

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**PYRAMID MODEL #:** SVR-200 / SVR-250  
**RADIO MODEL:** Ericsson Orion Single Band  
**ENGINEER:** W. Carlin

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

**Order the Pyramid Orion interface cable Part # 7500-06-1014 for the SVR-200**

Connections:	SVR	Function	Radio
	Black/Shield	Ground	DB37 Pin 7 (Ground)
	White	Tx Audio Out	DB37 Pin 11 (Mic Hi)
	Blue	Remote enable/disable	DB37 Pin 9 (Opt 2)
	Green	PTT Out	DB37 Pin 21 (Inp 1)
	Red	Switched B+	DB37 Pin 25 (Sw B+)
	Yellow	Rx Audio In	DB37 Pin 16 (XTONDEC)
	Violet	COR	DB37 Pin 22 (External Mute)
	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:	xxx
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[Out]	Local Mic Sensitivity			
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull Up Resistor			
	J9	[In]	MCOR Pull up			

**Additional Modifications (SVR-200/SVR-250):** None. Ensure local mic repeat is disabled unless RCSE-200 remote channel selector is installed in the Orion Aegis scrambler socket.

## Additional Modifications (Radio):

Note: You will need ver 13 or greater of the Ericsson PC software and flash code v 22.x or greater.

The following are found under Options (F7), Orion (F2), Aux I/O (F4):

1. Program *External Mute*, active high *output 1*.
2. Program *Aux Input 1* for *PTT*.
3. Program *Aux Output 2*: Custom, Active low, Output 2, Repeat Y. Custom pattern all dashes (-)=1.
4. Program One of the soft keys for *AUX 2* (F7 Option, F2 Orion, F7 Keypad) to enable/disable the repeater from the radio front panel.