Application Note

AN #: 165F
DATE:21-Jun-06

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

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Order the Pyramid Orion interface cable Part # 7510-06-1014 and support bracket Part # 9600-05-0003 when connecting to 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 13 (Vol Arm)
	Violet	COR	DB37 Pin 22 (External Mute)
	Brown	Local Mic In	N/C
	Grey	On Air Detect	N/C

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	Mobile COR Polarity:	High
	J1	[Out]	Tx audio level		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.