Application Note

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300
RADIO MODEL: Ericsson EDACS 500M
ENGINEER: C. Carbajal

APPROVAL INITIALS
ENGINEER
DEPT. HEAD

Connections:	*SVR*	*Function*	*Radio*
	Black/Shield	Ground	DB25 Pin 2 (Ground)
	White	Tx Audio Out	DB25 Pin 19 (Ext Mic Hi)
	Blue	Remote enable/disable	DB25 Pin 10 (Out 2)
	Green	PTT Out	DB25 Pin 9 (Inp 2)
	Red	Switched B+	DB25 Pin 20 (Sw B+)
	Yellow	Rx Audio In	DB25 Pin 7 (XTONDEC)
	Violet	COR	DB25 Pin 23 (Out 1)
	Brown	Local Mic In	N/C
	Grey	On Air Detect	DB25 Pin 13 (TXENB+)

SVR **Jumpers:**				**SVR** **Program:**		
JP1	[-]	Remote Enable		Mobile COR Polarity:	High	
J1	[Out]	Tx audio level		Mobile Type:	Conv/ Trunk.	
J2	[Out]	Tx audio impedance		On-Air Polarity:	High	
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 / SVR-300):   Follow Alignment Procedure In The Service Manual.

Additional Modifications (Radio):

1. Remove the radio's Control Head.
2. Remove the Blue wire from pin 6 of J602 and jumper to Pin 7 of J605. (This brings XTONDEC to the DB25 accessory connector.)
3. Remove the Heavy Black wire from Pin 18 of J602 and jumper to Pin 2 of J603. J603 is located on the underside of the audio/logic PCB. (This brings TXENB+ to the DB25 accessory connector.)

Radio Programming:

4. Program *External Mute*, active high *output 1*.
5. Program *Aux Input* 2 for *PTT*.
6. Program Aux Output1: Custom, Active low, Output1, Repeat Y. Custom pattern all boxes checked.
7. Program Aux Output 2: Custom, Active low, Output 2, Repeat Y. Custom pattern all boxes checked.
8. Program One of the programmable menu keys for *AUX 2* to enable/disable the repeater from the radio front panel.