

Application Note

AN #: 209B

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PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: iDEN M Series Mobile - Trunk Mount RF

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	SVR	Function	Radio
	Black/Shield	Ground	P001 pin 10 {DB25 connector}
	White	Tx Audio Out	P001 pin 23
	Blue	Remote enable/disable	External Switch to Ground
	Green	PTT Out	P001 pin 9
	Red	Switched B+	P001 pin 14
	Yellow	Rx Audio In	P001 pin 11
	Violet	COR	Pin 18 of U908 (Rathion - RA8170T)
	Brown	Local Mic In	N/C
	Grey	On Air Detect	N/C

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	High
Jumpers:	J1	[Out]	Tx audio level	Program:	Mobile Type:	Conventional
	J2	[In]	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:	Pre-Emp
	J6	[In]	Local mic Sensitivity			
	J7	[In]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR pull up resistor			

Additional Modifications (SVR-200 / SVR-250):

1. Remove Q8. Run a jumper from the Base of Q8 to the Collector of Q8. (provides active high PTT)

Additional Modifications (Radio):

1. Drill a hole in the front cover of the iDEN M Series mobile to run the interface cable into the unit. Secure the cable with strain relief.

Notes:

1. This interface requires the use of an external speaker on the iDEN radio. If you use the telephone-handset on the radio, you will need to replace it into the cradle before the repeater will operate from base to portable. Additionally, you must enable the external speaker option in the radio setup menu.