

Application Note

AN #: 186

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PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Uniden SMS-825 TS

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	SVR	Function	Radio
	Black/Shield	Ground	Acc Conn Pin 4
	White	Tx Audio Out	Acc Conn Pin 5
	Blue	Remote enable/disable	Acc Conn Pin 6
	Green	PTT Out	Acc Conn Pin 7
	Red	Switched B+	Acc Conn Pin 8
	Yellow	Rx Audio In	Acc Conn Pin 9
	Violet	COR	Acc Conn Pin 10
	Brown	Local Mic In	Acc Conn Pin 11
	Grey	On Air Detect	Acc Conn Pin 12

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	Low
Jumpers:	J1	[In]	Tx audio level	Program:	Mobile Type:	Trunk
	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:	Flat
	J6	[Out]	Local Mic Sensitivity			
	J7	[In]	Rx Sensitivity			
	J8	[Remove]				

Additional Modifications (SVR-200): Replace R50 with 4.7K

Additional Modifications (Radio):

1. Add the following jumpers from the accessory connector to:

Acc Conn Pin 4 to chassis ground

Acc Conn Pin 5 J603 Pin 14 on logic PCB (**Write** aka mic hi)

Acc Conn Pin 6 J603 Pin 1 on logic PCB (TAC button enables/disable repeater)

Acc Conn Pin 7 J603 Pin 15 on logic PCB (**PTT**)

Acc Conn Pin 8 to Q404 collector (square isolated pad just left of C415 1000 µfd 25V)

Acc Conn Pin 9 J603 Pin 6 on logic PCB (**Set Tone** aka volume hi)

Acc Conn Pin 10 J601 Pin 7 on logic PCB (**RMU** unmute indicator)

Acc Conn Pin 11 VR351 center pin on mic amp PCB (amplified mic audio)

Acc Conn Pin 12 Q204 collector (**TX 8V** as on-air indicator)

Revision Number _____

Date _____

Approval Initials _____