

Application Note

AN #: 290

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PYRAMID MODEL #: SVR-200 / SVR-250

RADIO MODEL: Datron Guardian G25RMV100 Mobile

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	SVR	Function	Radio
	Black/Shield	Ground	Pin 12
	White	Tx Audio Out	Pin 11
	Blue	Remote enable/disable	External Switch To Ground
	Green	PTT Out	Pin 9 & 14
	Red	Switched B+	External Switched B+
	Yellow	Rx Audio In	Pin 8
	Violet	COR	Pin 6
	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:	Conv.
	J2	[Out]	Tx audio impedance		On-Air Polarity:	--
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-Emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Pre-Emp
	J6	[Out]	Local Mic Sensitivity		Local Mic Repeat	No
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

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

Additional Modifications (Radio):

1. Mobile radio requires Datron factory modification for fixed level audio output installed.
2. On the radio harness, jumper the SVR Remote enable line to pin 24 of the Radio DB-25 connector (Modified Ignition Sense Input). This will force the radio into MRU mode and fix the audio output level of the mobile radio whenever the SVR is enabled.

Note: When the SVR is enabled, the mobile radio will have no RX or TX audio on the control head of the radio. Essentially, the mobile radio will be disabled whenever the SVR is enabled and will return to normal operation when the SVR is powered off.