

Application Note

AN #: 260A

DATE: 24-Oct-06

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PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300
RADIO MODEL: MSAT G2 /w MSAT-200/230 Interface Module
ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	SVR	Function	MSAT-200/230 (DB-9)
	Black/Shield	Ground	Pin 1 & Ground
	White	Tx Audio Out	Pin 2
	Blue	Remote enable/disable	External SW to Ground
	Green	PTT Out	Pin 4
	Red	Switched B+	External SW B+ Source
	Yellow	Rx Audio In	Pin 6
	Violet	COR	Pin 7
	Brown	Local Mic Audio	N/C
	Grey	On Air Detect	Pin 9

SVR	JP1	[-]	Remote Enable	SVR	Mobile COR Polarity:	High
Jumpers:	J1	[Out]	Tx audio level	Program:	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:	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 / SVR-300):

1. Set RV3 to Mid-Point.
2. Set RV5 to Mid Point.

Additional Modifications (Radio):

1. No modifications or adjustments are to be made to the MSAT-200/230 or MSAT G2 Satellite Radio.
2. Enable **Crossband** in the MSAT G2 Admin menu.
3. Follow alignment procedure in SVR manual for tuning and alignment of SVR Transceiver. Omit transmitter alignment step 5 and receiver alignment step 3, as these settings are controlled by the AGC in the MSAT-200/230 Interface Module.
4. See page 2, figure 1 for connection diagram.