

Application Note

AN #: 241A

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PYRAMID MODEL #: SVR-200 / SVR-250
RADIO MODEL: Macom M7100 Single Band
ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Order the Pyramid ORION/M7100 interface cable Part # 7510-06-1014 for the SVR-200

Connections:	SVR	Function	Radio
	Black/Shield	Ground	DB37 Pin 7 (Ground)
	White	Tx Audio Out	DB37 Pin 11 (Mic Hi)
	Blue	Remote enable/disable	DB37 Pin 9 (Output 2)
	Green	PTT Out	DB37 Pin 21 (Input 1)
	Red	Switched B+	DB37 Pin 25 (Sw B+)
	Yellow	Rx Audio In	DB37 Pin 13 (Vol Arm)
	Violet	COR	DB37 Pin 22 (External Mute)
	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:	xxx
	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): None. Ensure local mic repeat is disabled unless RCSE-201 remote channel selector is installed in the M7100.

Additional Modifications (Radio):

Note: You will need ver xxx or greater of the Macom flash code.

1. Under **External Options**, Program *External Mute*, active high output 1.
2. Program *Aux Input 1* for *PTT*.
3. Program *Aux Output 1*: Custom, Active low, Output 2, Repeat checked. Custom pattern all checked.
4. Under **Control Unit Keypad Options**, program one of the soft keys for *AUX 1* to enable/disable the repeater from the radio front panel.