

Application Note

AN #: 272C

DATE: 26-Jul-12

Page 1 of 1

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300
RADIO MODEL: Motorola XPR 4300, 4500, 4550 Mototrbo
ENGINEER: C Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Order the Pyramid factory interface cable: part # 7500-10-1092 for the SVR-200
part # 7500-10-1292 for the SVR-250 & SVR-300

Connections:	SVR	Function	Radio
	Black/Shield	Ground	Accessory Connector Pin 8
	White	Tx Audio Out	Accessory Connector Pin 11
	Blue	Remote Enable/Disable	External Switch to Ground
	Green	PTT Out	Accessory Connector Pin 17
	Red	Switched B+	Accessory Connector Pin 7
	Yellow	Rx Audio In	Accessory Connector Pin 14
	Violet	COR	Accessory Connector Pin 19
	Brown	Local Mic In	N/C
	Grey	ON Air Detect	Accessory Connector Pin 21

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:	Flat
	J6	[Out]	Local mic sensitivity		Local Mic Repeat	No
	J7	[In]	Receive sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	COR Pull up resistor			

Additional Modifications (SVR-200 / SVR-250 / SVR-300):

Additional Modifications (Conventional or Capacity Plus Radios):

- From the Motorola CPS --> **Accessory Configuration: GPIO Physical Pins:**
Pin #17 - External Mic. PTT (input) *Active Low*. Sets Accy Pin 17 as PTT.
Pin #19 - PL / Talkgroup Detect (output) *Active High*. Sets Accy Pin 19 as COR
Pin #21 - Clear To Send (output) *Active High*. Sets Accy Pin 21 as On Air Detect.
- From the Motorola CPS--**General Settings:**
"Off- Hook Disables PL"---Do not have it checked.

Additional Modifications (Connect Plus Radios [Requires CP OB Firmware 01.03.67 or newer]):

- From the Motorola CPS --> **Accessory Configuration: GPIO Physical Pins:**
Pin #17 - Generic Input 1, *Active Low*. This ties accy port pin 17 to the Connect Plus OB External PTT
Pin #19 - PL / Talkgroup Detect (output) *Active High*. Sets Accy Pin 19 as COR
Pin #21 - Clear To Send (output) *Active High*. Sets Accy Pin 21 as On Air Detect.
- From the Motorola CPS--**General Settings:**
"Off- Hook Disables PL"---Do not have it checked.
- From the Motorola Connect Plus Option Board CPS --> **Accessories**
Generic Input #1 = External PTT. This enables external PTT on pin 17 of the accessory connector.