PYRAMID MODEL #: SVR-200 / SVR-250
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

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

Additional Modifications (Conventional or Capacity Plus Radios):
1. 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.
2. 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]):
1. 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 - Cear To Send (output) Active *High*. Sets Accy Pin 21 as On Air Detect.
2. From the Motorola CPS--*General Settings:*
    "Off- Hook Disables PL"---Do not have it checked.
3. 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.