Application Note

AN #: 302A
DATE: 15-APR-20

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Motorola XPR 2500 Mototrbo
ENGINEER: C Carbajal

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Order the Pyramid factory interface cable: part # 7501-10-1093 for the SVR-200
part # 7501-10-1293 for the SVR-250 & SVR-300

Connections:	***SVR***	***Function***	***Radio***
	Black/Shield	Ground	Accessory Connector Pin 7
	White	Tx Audio Out	Accessory Connector Pin 2
	Blue	Remote Enable/Disable	External Switch to Ground
	Green	PTT Out	Accessory Connector Pin 3
	Red	Switched B+	Accessory Connector Pin 13
	Yellow	Rx Audio In	Accessory Connector Pin 11
	Violet	COR	Accessory Connector Pin 6
	Brown	Local Mic In	N/C
	Grey	ON Air Detect	Accessory Connector Pin 8

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	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 / SVR-300): If you are using a factory cable, move the purple wire from Pin 4 to Pin 6. This moves the COR line for the XPR-2500 accy connector.

Additional Modifications:

1. From the Motorola CPS --> ***Accessory Configuration***: ***GPIO Physical Pins:***
   Pin #3 - External Mic. PTT (input) *Active Low.* Sets Accy Pin 3 as PTT.
   Pin #6 - PL / Talkgroup Detect (output) Active *High.* Sets Accy Pin 6 as COR
   Pin #8- Clear To Send (output) Active *High.* Sets Accy Pin 8 as On Air Detect.

2. From the Motorola CPS--***General Settings:***
   "Off- Hook Disables PL"---Do not have it checked.