

# Application Note

**AN #: 519A**

DATE: 18-Jan-02

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**PYRAMID MODEL #:** 2012/2016/Merlin

**RADIO MODEL:** S.E.A. ESP504/520

**ENGINEER:** C. Carbajal

**APPROVAL INITIALS**

ENGINEER

DEPT. HEAD

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	Chassis Ground
	White	Tx Audio Out	TP 102 (Personality PCB)
	Blue	On Air Detect	U3 Out (TX 9V RF PA PCB)
	Green	PTT Out	JU 4-A (Personality PCB)
	Red	Switched B+	U10 Input (SW A+ Personality PCB)
	Yellow	Rx Audio In	TP 108 (Personality PCB)
	Violet	COR	U102 pin 10 (Personality PCB)
	Brown	Audio Mute	N/C
	Grey	Mic Mute	N/C

**2012/Merlin Jumpers:** J1 [In] TX audio level  
J2 [Out] PTT loop back

**2016 Jumpers:** J1 [Out] PTT loop back  
J2 [In] TX audio level

**Pyramid Mobile COR Polarity:** High  
**Program: Mobile Type:** Trunk  
**On-Air Polarity:** High  
**I/O Pin 9** Mute

**Additional Modifications (2012/2016/Merlin):** None

## Additional Modifications (Radio):

1. Secure the interface cable to P1 using a nylon wire tie and notch the cover with a 1/4" round file.

Revision Number

Date

Approval Initials