

# Application Note

**AN #: 518**

DATE: 19-Oct-00

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**PYRAMID MODEL #:** 2012 / 3012 / 2017 Merlin / 2016

**RADIO MODEL:** Vertex x011 4/12/24 Channel

**ENGINEER:** C Carbjal

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

DEPT. HEAD \_\_\_\_\_

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	Logic Board Ground Plane
	White	Tx Audio Out	J2006 Pin 4
	Blue	On Air Detect	N/C
	Green	PTT Out	J2006 Pin 1
	Red	Switched B+	J2001 Pin 6
	Yellow	Rx Audio In	J2001 Pin 3
	Violet	COR	Q2014-Base
	Grey	Mic Mute	N/C
	Brown	Audio Mute	N/C

<b>2012/Merlin Jumpers:</b>	J1 [In]	TX audio level	<b>Pyramid Program:</b>	Mobile COR Polarity:	Low
	J2 [In]	PTT loop back		Mobile Type:	Conv.
				On-Air Polarity:	Low
<b>2016 Jumpers:</b>	J1 [In]	PTT loop back		I/O Pin 9	Mute
	J2 [In]	TX audio level			

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

## Additional Modifications (Radio):

1. All points tied directly to logic board. Cable inserted in chassis knockout between heat sink fins on newer model radios; on older radios, notch chassis with 1/4" round file.