

# Application Note

**AN #: 518**

**DATE: 19- Oct- 00**

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**PYRAMID MODEL #:** 2012 / 2016 / Merlin  
**RADIO MODEL:** Vertex x011 4/12/24 Channel  
**ENGINEER:** C Carbjal

**APPROVAL INITIALS**

**ENGINEER**

**DEPT. HEAD**

<b>Connections:</b>	<b>Pyramid</b>	<b>Function</b>	<b>Radio</b>
	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</b>	J1	[In]	Tx audio level	<b>Pyramid</b>	Mobile COR Polarity:	Low
<b>Jumpers:</b>	J2	[In]	Local PTT Loop	<b>Program:</b>	Mobile Type:	Conv.
					On-Air Polarity:	Low
					I/O Pin 9	Mute
<b>2016</b>	J2	[In]	Tx audio level			
<b>Jumpers:</b>	J1	[In]	Local PTT Loop			

**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 ¼" round file.