

Application Note

AN #: 528

DATE: 13-Mar-02

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

RADIO MODEL: Vertex VX3000 VHF/UHF

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	Pyramid	Function	Radio	
	Black/Shield	Ground	DSUB9 pin 5	
	White	Tx Audio Out	DSUB9 pin 3	See note 1
	Blue	On Air Detect	N/C	
	Green	PTT Out	DSUB9 pin 7	
	Red	Switched B+	DSUB9 pin 8	
	Yellow	Rx Audio In	DSUB9 pin 2	See note 2
	Violet	COR	DSUB9 pin 1	See note 3
	Brown	Local Mic In	N/C	
	Grey	On Air Detect	N/C	

2012 / Merlin Jumpers: J1 [Out] Tx audio loop
J2 [Out] PTT loop back

Pyramid Program: Mobile COR Polarity: High
Mobile Type: Conv
On-Air Polarity: High

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

Additional Modifications (2012/2016/Merlin):

Additional Modifications (Radio):

1. Mic Audio: Remove jumper JP1005 and install jumper JP1006.
2. Rx Audio: Remove jumper JP1003 and install jumper JP1004
3. Mobile COR: Remove the wire from J1004 pin 1 and connect to Q1049 base.

Replace F1001 with a 2A fuse

Revision Number _____

Date _____

Approval Initials _____