

# Application Note

**AN #: 504A**

**DATE: 04- Oct- 00**

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

**RADIO MODEL:** EF Johnson 8600 Series Trunked Mobile (no ch chg)

**ENGINEER:** W. Carlin / Rev. PW

**APPROVAL INITIALS**

**ENGINEER**

**DEPT. HEAD**

<b>Connections:</b>	<b><i>Pyramid</i></b>	<b><i>Function</i></b>	<b><i>Radio</i></b>
	Black/Shield	Ground	Chassis Ground
	White	Tx Audio Out	W7 Pin 6 (Audio Logic Board)
	Blue	On-Air Detect	W7 Pin 14
	Green	PTT Out	W7 Pin 3
	Red	Switched B+	W7 Pin 18
	Yellow	Rx Audio In	W7 Pin 8
	Violet	COR	U11 (uP) Pin 5
(Optional)	Brown	Audio Mute Out	N/C
(Optional)	Grey	Mic Mute	N/C

<b>2012/Merlin</b>	J1	[Out]	Tx audio level	<b>Pyramid</b>	Mobile COR Polarity:	Low
<b>Jumpers:</b>	J2	[Out]	Local PTT Loop	<b>Program:</b>	Mobile Type:	Trunk
<b>2016</b>	J2	[Out]	Tx audio level		On-Air Polarity:	Low
<b>Jumpers:</b>	J1	[Out]	Local PTT Loop		I/O Pin 9	Mute

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

**Additional Modifications (Radio):** None