

# Application Note

**AN #: 509B**

**DATE: 04- Oct- 00**

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

**RADIO MODEL:** Kenwood TK-x60 Series

**ENGINEER:** W. Carlin

**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	KCT-19 Pin 6
	White	Tx Audio Out	KCT-19 Pin 9
	Blue	On-Air Detect	KCT-19 Pin 15
	Green	PTT Out	KCT-19 Pin 8
	Red	Switched B+	KCT-19 Pin 7
	Yellow	Rx Audio In	KCT-19 Pin 4
	Violet	COR	KCT-19 Pin 13
	Brown	Audio Mute Out	N/C
(Optional)	Grey	Mic Mute	KCT-19 Pin 5

<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:	Conv.
<b>2016</b>	J2	[Out]	Tx audio level		On-Air Polarity:	High
<b>Jumpers:</b>	J1	[Out]	Local PTT Loop		I/O Pin 9	Mute

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

## **Additional Modifications (Radio):**

1. Solder the 2 anodes of D205 together to route the MCOR signal out to KCT-19 pin 13