

# Application Note

**AN #: 506A**

**DATE: 04- Oct- 00**

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

**RADIO MODEL:** Kenwood TK-805D

**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
	White	Tx Audio Out	CN2 Pin 2
	Blue	On-Air Detect	CN3 Pin 5
	Green	PTT Out	J201 Pin 3
	Red	Switched B+	Switched side of S206
	Yellow	Rx Audio In	CN2 Pin 1
	Violet	COR	CN2 Pin 4
(Optional)	Brown	Audio Mute Out	Q4 Collector
(Optional)	Grey	Mic Mute	Q12 Collector

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

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

**Additional Modifications (Radio):** VR2 on the TK-805 will also affect DTMF deviation