

# Application Note

**AN #: 506A**

DATE: 04-Oct-00

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

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

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

**APPROVAL INITIALS**

ENGINEER \_\_\_\_\_

DEPT. HEAD \_\_\_\_\_

Connections:	Pyramid	Function	Radio
	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</b>	J1	[In]	TX audio level
<b>Jumpers:</b>	J2	[Out]	PTT loop back
<b>2016</b>	J1	[Out]	PTT loop back
<b>Jumpers:</b>	J2	[In]	TX audio level

<b>Pyramid</b>	Mobile COR Polarity:	Low
<b>Program:</b>	Mobile Type:	Conv.
	On-Air Polarity:	Low
	I/O Pin 9	Mute

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

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