

Application Note

AN #: 529C

DATE: 30-Dec-02

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PYRAMID MODEL #: 2012 / 2016 / Merlin

RADIO MODEL: Kenwood TK-863G

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	Pyramid	Function	Radio
	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 11
	Brown	Audio Mute	N/C
(Optional DTC)	Grey	Mic Mute / Chan Chng	KCT-19 Pin 1

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

Pyramid Mobile COR Polarity:

High

Program: Mobile Type:

Conv/Trunking

On-Air Polarity:

High

I/O Pin 9

Ch. Change

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

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

Additional Modifications (Radio):

1. Remove the Brown/White wire from the KCT-19 CN-5 Pin 3. Jumper this wire to CN6 pin 3 (8TC).
2. From the **Edit** pull down menu in the Kenwood KPG-76D programming software, select the **Optional Features** menu. Perform the following:
 - a) From the *Optional Features 3* tab, set **Squelch Logic Type** = **Active High**
 - b) From the *Optional Features 3* tab, set **Squelch Logic Signal** = **TOR**
 - c) From the *Optional Features 3* tab, enable **Data TX with QT/DQT**.
 - d) From the *Optional Features 3* tab, set **ACC Hook/DTC** = **DTC**.
 - e) From the *Optional Features 3* tab, set **Ext. PTT** = **PTT**

Revision Number

Date

Approval Initials