Application Note									AN #: 529D	
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PYRAMID MODEL #: 2012 / 3012 / 2017 Merlin / 2016 APE RADIO MODEL: Kenwood TK-863G ENG ENGINEER: C. Carbajal DEE									INITIALS	
Connections:		Pyramid		Function			Radio			
(Optional DTC)	oto	Black/Shield White Blue Green Red Yellow Violet Brown Grey		On Air D PTT Out Switched Rx Audio COR Audio M	Tx Audio Out On Air Detect PTT Out Switched B+ Rx Audio In		KCT-19 Pin 6 KCT-19 Pin 9 KCT-19 Pin 15 KCT-19 Pin 8 KCT-19 Pin 7 KCT-19 Pin 4 KCT-19 Pin 11 N/C KCT-19 Pin 1			
{Used only for Data Channel Change}										
Jumpers:	Jumpers: J2 [Out] PTT loc 2016 J1 [Out] PTT loc		TX audio PTT loop PTT loop TX audio	op back Program: Mc On op back I/O		Mol On-	obile COR Polarity: obile Type: -Air Polarity:) Pin 9		High Conv/Trunking High Ch. Change	
Additional Modifications (2012/2016/Merlin): None.										
Additional Modifications (Radio):										
 Remove the Brown/White wire from the KCT-19 CN-5 Pin 3 and connect to CN6 pin 3 (8TC). CN6 is located midway back on the topside of the TKx63 main PCB. It is a row of 10 pads with NO connector. This provides On-Air detect signal to the Pyramid MDT. 										
 2. From the <i>Edit</i> pull down menu in the Kenwood KPG-76D programming software, select the <i>Optional Features</i> menu, <i>Optional Features 3</i> tab. Program the following: a) Squelch Logic Type = Active High b) Squelch Logic Signal = TOR c) enable Data TX with QT/DQT. d) Ext. PTT = PTT e) ACC Hook/DTC = DTC. {If data channel change is required and Pyramid I/O Pin 9, Gray wire is connected to KCT-19 pin 1} 										

3. Data Group is determined by entering the *Data System/Group* under *System Programming* and checking the *Data* parameter under *Group Programming*.