

Application Note

AN #: 502C

DATE: 21-Jun-06

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

RADIO MODEL: Kenwood TK-840/940 Series

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Order the Pyramid 2012 TK-x40 interface cable Part # 7513-10-1044

Order the Pyramid 2017/3012 TK-x40 interface cable Part # 7523-10-1044

Order the Pyramid 2016 TK-x40 interface cable Part # 7533-10-1044

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 13
	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	Rx Mute Out	N/C
	Grey	Mic Mute Out	KCT-19 Pin 5

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

Pyramid Program: Mobile COR Polarity: High
Mobile Type: Conv/Trunk
On-Air Polarity: High
I/O Pin 9 Mute

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

Additional Modifications (2012/2016/Merlin): None

Additional Modifications (Radio): Refer to the Kenwood manual for parts location.

1. Plug "E" of the KCT-19 should be plugged into CN2. Remove wire # 1 (LOK) from plug "E" of the KCT-19 and connect to the collector of Q6 (TX B+).
2. Remove wire #8 (SQ) from plug "D" of the KCT-19 and connect to the base of Q19 (Point "AC" under the shield).

Note: We recommend you get a copy of our detailed installation guide for this radio.

Revision Number

Date

Approval Initials