

Application Note

AN #: 522A

DATE: 18-Jan-02

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PYRAMID MODEL #: 2016 / 2016 / Merlin
RADIO MODEL: Kenwood TK-6110 Low Band
ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	SVR-200	Function	Radio
	Black/Shield	Ground	Accessory Connector Pin 15
	White	Tx Audio Out	Accessory Connector Pin 5
	Blue	On Air Detect	Accessory Connector Pin 1 *See Note 3
	Green	PTT Out	Accessory Connector Pin 8
	Red	Switched B+	Accessory Connector Pin 7
	Yellow	Rx Audio In	Accessory Connector Pin 4
	Violet	COR	Accessory Connector Pin 14 *See Note 2
	Brown	Audio Mute	N/C
	Grey	Mute/Channel Chng	N/C

2012/Merlin	J1	[Out]	TX audio level	Pyramid	Mobile COR Polarity:	High
Jumpers:	J2	[Out]	PTT loop back	Program:	Mobile Type:	Conv
					On-Air Polarity:	High
2016	J1	[Out]	PTT loop back			
Jumpers:	J2	[Out]	TX audio level			

Additional Modifications (2012/2016/Merlin): Follow the alignment procedures in the Pyramid Service Manual.

Additional Modifications (Radio):

1. In the KPG59D Software, under *Optional Features*, program *Ext. PTT w/ Mic Mute = YES*.
2. If you are decoding DQT/QT (DCS/CTCSS) in the TK-6110, you need to **remove** the **GREY wire going Pin 8 of CN2** and jumper it to the *junction of R135 and C139* on the under side of the main PCB.
3. **Remove** the **RED wire going Pin 2 of CN2** and jumper it to the **Pad labeled 8T**. Pad 8T is located near Q117. This is the TX 8 Volt line, it provides a *On Air Detect* signal to the Pyramid data unit.

Revision Number _____

Date _____

Approval Initials _____