

Application Note

AN #: 510B

DATE: 04-Oct-00

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

RADIO MODEL: Kenwood TK930 mobile

ENGINEER: W. Carlin / Rev. PW

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	J4 Pin 6 (Accessory Connector)
	White	Tx Audio Out	J4 pin 5
	Blue	On-Air Detect	J4 pin 11
	Green	PTT Out	J4 pin 8
	Red	Switched B+	J4 pin 7
	Yellow	Rx Audio In	J4 pin 3
	Violet	COR	J4 pin 13
(Optional)	Brown	Audio Mute Out	N/C
(Optional)	Grey	Mic Mute	N/C

2012/Merlin	J1	[In]	TX audio level
Jumpers:	J2	[Out]	PTT loop back
2016	J1	[Out]	PTT loop back
Jumpers:	J2	[In]	TX audio level

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

Additional Modifications (2012/2016/Merlin): None

Additional Modifications (Radio):

1. Discriminator audio out: Add a jumper from IC104 pin 7 to connector CN2-3A
2. Mobile COR out: Add a jumper from Q107 base to connector CN2-5B and remove W401
3. On air detect out: Add a jumper from Q102 collector to CN2-3B