

Application Note

AN #: 500A

DATE: 04- 0ct - 00

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PYRAMID MODEL # 2012 / 2016 / Merlin

RADIO MODEL: Motorola Maratrac

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	<i>Pyramid</i>	<i>Function</i>	<i>Radio</i>
	Black/Shield	Ground	{ Cntrl Cable Radio Conn. }
	White	Tx Audio Out	8 AWG Black (Main Power)
	Blue	On-Air Detect	J1 Pin 14
	Green	PTT Out	N/C
	Red	Switched B+	J1 Pin 12
	Yellow	Rx Audio In	J1 Pin 4
	Violet	COR	J1 Pin 11
(Optional)	Brown	Audio Mute Out	J1 Pin 18
(Optional)	Grey	Mic Mute	N/C

2012/Merlin	J1	[Out]	Tx audio level	Pyramid	Mobile COR Polarity:	Low
Jumpers:	J2	[Out]	Local PTT Loop	Program:	Mobile Type:	Conv.
					On-Air Polarity:	Low
2016 Jumpers:	J1	[Out]	Local PTT Loop		I/O Pin 9	Mute
	J2	[Out]	Tx audio level			

Additional Modifications (2012/2016/Merlin)None

Additional Modifications (Radio):

1. Run a jumper from J20 pin 3 (telco/prog connector) on the radio chassis interconnect board (HLN 5343B) to the negative side of C523 on the audio squelch board (audio PA mute).