

Application Note

AN #: 516B

DATE: 04- Oct- 00

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PYRAMID MODEL #: 2012 / 2016 / Merlin

RADIO MODEL: Motorola Maratrac /w A7 Control Head

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	Pin 21 VIP Connector
	White	Tx Audio Out	Pin 4 VIP Connector
	Blue	On Air Detect	N/C
	Green	PTT Out	Pin 20 VIP Connector
	Red	Switched B+	Pin 18 VIP Connector
	Yellow	Rx Audio In	Pin 34 VIP Connector
	Violet	COR	Pin 3 VIP Connector
(Optional)	Brown	Audio Mute	N/C
(Optional)	Grey	Mic Mute	N/C

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

Additional Modifications (Pyramid): None

Additional Modifications (Radio):

1. Run a jumper wire from the negative side of C523 to Pin 3 of J20 (telco/prog connector) on the radio chassis interconnect board (HLN 5343B). (Inside Radio)
2. Run a jumper wire from pin 50 of J1001 to pin 34 of J1001. (Inside Control Head)
3. Cut trace going to Pin 18 of J1001. (Inside Control Head)
4. Run a jumper wire from pin 40 of J1001 to pin 18 of J1001. (Inside Control Head)