

Application Note

AN #: 501A

DATE: 04-Oct-00

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

RADIO MODEL: Ericsson MDX

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	Accessory Connector Pin 1
	White	Tx Audio Out	Accessory Connector Pin 4
	Blue	On-Air Detect	Accessory Connector Pin 6
	Green	PTT Out	Accessory Connector Pin 7
	Red	Switched B+	Accessory Connector Pin 5
	Yellow	Rx Audio In	Accessory Connector Pin 11
	Violet	COR	Accessory Connector Pin 10
(Optional)	Brown	Audio Mute Out	N/C
(Optional)	Grey	Mic Mute	N/C

2012/Merlin	J1	[Out]	TX audio level	Pyramid	Mobile COR Polarity:	High
Jumpers:	J2	[Out]	PTT loop back	Program:	Mobile Type:	Conv/Trunk
					On-Air Polarity:	Low
2016	J1	[Out]	PTT loop back		I/O Pin 9	Mute
Jumpers:	J2	[Out]	TX audio level			

Additional Modifications (2012/2016/Merlin): None

Additional Modifications (Radio):

Perform the following modification on all MDX trunking mobiles or conventional mobiles if ANI on PTT is used:

1. On the system board, remove the jumper between HL13 and HL14. Add a jumper from HL13 to J702 Pin 7 (DPTT) on the RF PCB.