

Application Note

AN #: 545

DATE: 27-May-05

Page 1 of 1

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

RADIO MODEL: Midland 70-9020 800MHz

ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER _____

DEPT. HEAD _____

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	IC401 Pin 2 GND
	White	Tx Audio Out	Through a 47K Res. to Pin 6 of IC405
	Blue	On-Air Detect	Collector Q1
	Green	PTT Out	J407 Pin 8 PTT
	Red	Switched B+	IC401 Pin 1 SW 12V
	Yellow	Rx Audio In	J408 Pin 12 AUDIO IN
	Violet	COR	J408 Pin 5 SQ SIGNAL
	Brown	Audio Mute Out	J408 Pin 7 EXMUTE
(Optional)	Grey	Mic Mute/Channel Select	N/C

2012/Merlin Jumpers: J1 [Out] TX audio level
J2 [Out] PTT loop back
J4 [In] COR Pull Up

2016 Jumpers: J1 [Out] PTT loop back
J2 [Out] TX audio level
J4 [In] COR Pull Up

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

Additional Modifications (Pyramid): None.

Additional Modifications (Radio):

1. Make all connections on top side of main logic board.
2. Cut a notch in rear of the plastic cover to route the interface cable.