

Application Note

AN #: 503B

DATE: 21-Jun-06

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

RADIO MODEL: Motorola GM300 with expanded accessory connector

ENGINEER: W. Carlin / Rev. PW

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Order the Pyramid 2012 GM300 interface cable Part # 7511-10-1093

Order the Pyramid 2017/3012 GM300 interface cable Part # 7521-10-1093

Order the Pyramid 2016 GM300 interface cable Part # 7531-10-1093

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	Accessory Connector Pin 7
	White	Tx Audio Out	Accessory Connector Pin 2
	Blue	On-Air Detect	N/C
	Green	PTT Out	Accessory Connector Pin 3
	Red	Switched B+	Accessory Connector Pin 13
	Yellow	Rx Audio In	Accessory Connector Pin 11
	Violet	COR	Accessory Connector Pin 4
(Optional)	Brown	Audio Mute Out	N/C
(Optional)	Grey	Mic Mute	N/C

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

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

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

Additional Modifications (2012/2016/Merlin): None

Additional Modifications (Radio):

1. Program Accessory connector J3 pin 4 for **PL/DPL & CSQ Detect**, active low.
2. Ensure JU551 is in the "B" position (default).