

Application Note

AN #: 532A

DATE: 31-Dec-02

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PYRAMID MODEL #: 2012 / 2016 / Merlin
RADIO MODEL: EF Johnson 7100 Series Mobile
ENGINEER: C. Carbajal

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	Pyramid	Function	Radio
	Black/Shield	Ground	J403 Pin 18
	White	Tx Audio Out	Through 220K Resistor to U301 Pin 9
	Blue	On Air Detect	J403 Pin 12
	Green	PTT Out	J403 Pin 4
	Red	Switched B+	Sw Side of On/Off Switch
	Yellow	Rx Audio In	J403 Pin 13
	Violet	COR	U402 Pin 13
{ Optional }	Brown	Mic Mute	J403 Pin 3
	Grey	Chan Chng	N/C

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

Additional Modifications (2012/2016/Merlin):

Additional Modifications (Radio):

Note: If you want to use the 2012/Merlin to change channels on the mobile radio, connect the grey wire (I/O Pin 9) to Sw Side of S400 and program I/O Pin 9 in the 2012/Merlin for Channel Change / Method Pulse. You can only have 2 groups in the radio to use the channel change feature.

Revision Number

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Approval Initials