



How to Configure a Motorola PTP 800 Series Radio

Motorola PTP 800 Compact Modem (CMU)

(2 Require Per Link)

(2) Motorola PTP 800 Compact Modems (CMU)

- Modem is Frequency Independent
- Includes a Wall Mount Kit and DC Connector
- CMU is set to 10Mbps capacity by factory default
- Offers Asymmetric Capacity Control
- Customer can set uplink and downlink speeds



Motorola PTP 800 CMU Modem

- TESSCO SKU: [306553](#) Value PTP 800 CMU Modem (Capacity 10Mbps)

Motorola PTP 800 Outdoor Unit (ODU)

(2 Require Per Link)

(2) PTP 800 Outdoor Units (ODU)

- PTP 800 ODU is frequency dependent
- Common Available Frequencies: FCC/IC:
11/18/23GHz
- A Pair of ODU's are required per link.
 - One ODU needs to be a TX Hi, one ODU a TX Lo
 - ODU's need to be on the same sub-band



Motorola PTP 800 11GHz Outdoor Unit (ODU)

- TESSCO SKU: [316025](#) PTP 800 11 GHz ODU. TX Lo. Sub-Band B5
- TESSCO SKU: [326938](#) PTP 800 11 GHz ODU. TX Hi. Sub-Band B5
- TESSCO SKU: [396922](#) PTP 800 11 GHz ODU. TX Lo. Sub-Band B6
- TESSCO SKU: [386036](#) PTP 800 11 GHz ODU. TX Hi. Sub-Band B6
- TESSCO SKU: [326382](#) PTP 800 11 GHz ODU. TX Lo. Sub-Band B7
- TESSCO SKU: [336602](#) PTP 800 11 GHz ODU. TX Hi. Sub-Band B6

Motorola PTP 800 18GHz Outdoor Unit (ODU)

- TESSCO SKU: [396556](#) PTP 800 18 GHz ODU. TX Lo. Sub-Band B3
- TESSCO SKU: [366561](#) PTP 800 18 GHz ODU. TX Hi. Sub-Band B3

Motorola PTP 800 23GHz Outdoor Unit (ODU)

- TESSCO SKU: [376310](#) PTP 800 23 GHz ODU. TX Lo. Sub-Band B5
- TESSCO SKU: [326106](#) PTP 800 23 GHz ODU. TX Hi. Sub-Band B5
- TESSCO SKU: [376774](#) PTP 800 23 GHz ODU. TX Lo. Sub-Band B6
- TESSCO SKU: [396376](#) PTP 800 23 GHz ODU. TX Hi. Sub-Band B6
- TESSCO SKU: [316794](#) PTP 800 23 GHz ODU. TX Lo. Sub-Band B7
- TESSCO SKU: [346615](#) PTP 800 23 GHz ODU. TX Hi. Sub-Band B6

Motorola PTP 800 Capacity Upgrade Options

(2 Required Per Link)

(2) Capacity Upgrade Options

- Enter Capacity Upgrades as a Drop Ship (Code: MD)
- (1) Capacity upgrade is required per modem.
- Supports Single Step capacity upgrades
 - Available frequency range (10Mbps to 364Mbps)



Motorola PTP 800 Software Upgrades (For Initial Purchase)

- TESSCO SKU: [386479](#) PTP 800 Modem Capacity Upgrade – 20 Mbps
- TESSCO SKU: [376679](#) PTP 800 Modem Capacity Upgrade – 30 Mbps
- TESSCO SKU: [326529](#) PTP 800 Modem Capacity Upgrade – 40 Mbps
- TESSCO SKU: [376769](#) PTP 800 Modem Capacity Upgrade – 50 Mbps
- TESSCO SKU: [316422](#) PTP 800 Modem Capacity Upgrade – 100 Mbps
- TESSCO SKU: [366750](#) PTP 800 Modem Capacity Upgrade – 150 Mbps
- TESSCO SKU: [356114](#) PTP 800 Modem Capacity Upgrade – 200 Mbps
- TESSCO SKU: [326782](#) PTP 800 Modem Capacity Upgrade – 300 Mbps
- TESSCO SKU: [316817](#) PTP 800 Modem Capacity Upgrade – Full Capacity

Motorola PTP 800 Future Proof Software Upgrades

(Use to adjust capacities for links that are already installed)

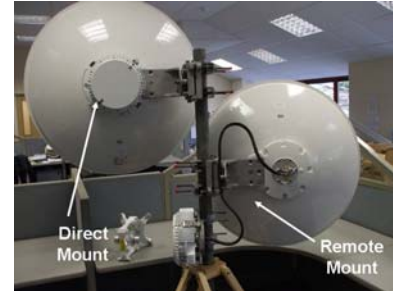
- TESSCO SKU: [386649](#) Modem Capacity Upgrade - 20 Mbps to 30 Mbps
 - TESSCO SKU: [336391](#) Modem Capacity Upgrade – 30 Mbps to 40 Mbps
 - TESSCO SKU: [326537](#) Modem Capacity Upgrade – 40 Mbps to 50 Mbps
 - TESSCO SKU: [316334](#) Modem Capacity Upgrade – 50 Mbps to 100 Mbps
 - TESSCO SKU: [316427](#) Modem Capacity Upgrade – 100 Mbps to 150 Mbps
 - TESSCO SKU: [376013](#) Modem Capacity Upgrade – 150 Mbps to 200 Mbps
 - TESSCO SKU: [356076](#) Modem Capacity Upgrade – 200 Mbps to 300 Mbps
 - TESSCO SKU: [306521](#) Modem Capacity Upgrade – 300 Mbps to Full Capacity
-

Motorola PTP 800 Antenna Options

(2 Required Per Link)

(2) Direct Mount Antenna

- Direct Mount: ODU is directly mounted to the Antenna using clips
- Radio Includes: Pipe Mount & Radome



Motorola PTP 800 11GHz Direct Mount Antennas

- TESSCO SKU: [363438](#) 2' Single Polarization 34.5 dBi Gain Antenna
- TESSCO SKU: [303340](#) 3' Single Polarization 37.6 dBi Gain Antenna
- TESSCO SKU: [353840](#) 4' Single Polarization 40.4 dBi Gain Antenna
- TESSCO SKU: [363244](#) 6' Single Polarization 43.4 dBi Gain Antenna

Motorola PTP 800 18GHz Direct Mount Antennas

- TESSCO SKU: [337432](#) 1' High Performance 34.0 dBi Gain Antenna
- TESSCO SKU: [303598](#) 2' High Performance 38.6 dBi Gain Antenna
- TESSCO SKU: [303813](#) 3' High Performance 42.0 dBi Gain Antenna
- TESSCO SKU: [315193](#) 4' High Performance 44.3 dBi Gain Antenna
- TESSCO SKU: [317693](#) 6' High Performance 48.5 dBi Gain Antenna

Motorola PTP 800 23GHz Direct Mount Antennas

- TESSCO SKU: [337642](#) 1' High Performance 35.1 dBi Gain Antenna
- TESSCO SKU: [307894](#) 2' High Performance 40.2 dBi Gain Antenna
- TESSCO SKU: [347217](#) 3' High Performance 43.7 dBi Gain Antenna
- TESSCO SKU: [327234](#) 4' High Performance 46.2 dBi Gain Antenna
- TESSCO SKU: [367669](#) 6' High Performance 49.2 dBi Gain Antenna

Motorola PTP 800 AC / DC Converter + Mains Lead

(2 of Each Are Required Per Link)

(2) AC / DC Converter

- PTP 800 CMU uses -48VDC input. The AC/DC Converter support AC to DC conversion for customers who have AC Power only.



AC/DC Converter + Mains Lead

- TESSCO SKU: [317369](#) AC – DC Power Supply Converter
 - TESSCO SKU: [327488](#) Mains Lead – US 3-pin to C5
-

Motorola PTP 800 Cable Kits

(2 Required Per Link)

(2) Cable Kits

- Request the distance between the IDU and ODU. That answer will be the amount Coax Cable that is required.
- Hanger Kits are required every 3'



LMR-400 Cable Kit

- TESSCO SKU: [59520](#) LMR-400 3/4" Coax Cable
- TESSCO SKU: [75431](#) 10-PK Butterfly Hanger Kit (1 per ever 3')
- TESSCO SKU: [83624](#) 10-PK Butterfly Hanger Kit Hardware
- TESSCO SKU: [25123](#) LMR-400 Strip Tool
- TESSCO SKU: [327079](#) Crimp Tool for N-Type Connectors

Motorola PTP 800 Cable Assembly Kit without Surge Arrestors

(2 Required Per Link)

(2) Cable Assembly Kit

This kit includes

- ODU Ground Cable
- (2) LPU Grounding Cables
- (1) ODU to LPU Cable
- (2) Cable Grounding Kits
- (4) N Type Connectors
- (1) 3/4" Vinyl Insulating Tape
- (1) 2" Vinyl Insulating Tape
- (50) Tie Wraps
- (1) Instruction Sheet
- (1) Packing List.



Motorola PTP 800 Cable Assembly Kit

- TESSCO SKU: [317211](#) Coaxial Cable Installation Assembly Kits

Motorola PTP 800 Lightning Protection Kit

(2 Required Per Link)

(2) Lightning Protection Kit

- Includes two surge protection units and one mounting kit.
- One kit is required per IF Cable Drop.

Motorola PTP 800 Lightning Protection Kit

- TESSCO SKU: [307343](#) Lightning Protection Kit



Motorola PTP 800 Extended Warranties

Extended Warranties

- The standard warranty for the PTP800 radio (CMU + ODU) is 12 months “Return and Repair”.
- Units are shipped back to Motorola’s Repair Center and the units will be repaired and returned within 30 days.
- The Extended Warranty is link based, which covers two CMUs and two ODUs.
- The Extended Warranty extends the 12 month warranty period up to 5 years.



Motorola PTP 800 Warranties

- TESSCO SKU: [337292](#) Extended Warranty, 1 Additional Year
- TESSCO SKU: [347720](#) Extended Warranty, 2 Additional Year
- TESSCO SKU: [397672](#) Extended Warranty, 4 Additional Year

