MTR3000
Base Station/Repeater
UHF (403-524)
800MHz (806-870)
900MHz(896-940)
VHF(136-174)

Features

- MTR3000 Base Radio includes MOTOTRBO analog and digital conventional software
- Integrated 8-100W Power Amplifier (Continuous Duty Cycle Operation)
- Migration path from analog to digital mode
- 1.5 PPM Frequency Stability
- 16 Channel Operation (Remote Control Access limited to 15 Channels)
- Switching power supply functions over a wide range of voltages and frequencies
- IP Site Connect
- 6.25e, 12.5 or 25 kHz programmable channel spacing
- RoHS (Restriction of Hazardous Substances) Compliant
- Installation and User Manual and Basic Service Manual

- IP Site Connect ships standard for wide area coverage.
- Capable of coded squelch (PL or DPL), variable time-out-timer, push to talk priority, repeater drop out delay. These are standard features shipped in present condition but may be altered through the Customer Programming Software (CPS).
- For Capacity Plus, Dynamic Mixed Mode, Enhanced GPS the appropriate model number must be ordered to generate a license key. An email address must be entered at the time of purchase to obtain the entitlement ID and license key.
- Base stations do not include an antenna relay; if required, order option X371. If the station is used as a repeater, the station will support individual RX & TX antenna connections or one connection via the duplex filter option.
- Transmit and receive frequencies can be independently chosen within their respective bands of operation. They must be specified at the time of order.
- **MTR3000 has an improved two-year warranty. Customers must refer to their station serial number or FO for service.**
1. **The MTR3000 main model (T3000) must be ordered for a MTR3000 Standalone Base Radio.** The Base Station ship with a 12 foot AC power cable (US and Canada) and comes standard with the base radio. **Note** Order a quantity of one of the T3000 per line item. This model number will automatically generate internally added options for all hardware components (such as cabling) that are not part of an orderable option.

2. **You must select a frequency by option.** The station configuration will be determined by this option. One TX and one RX frequency must be specified and is collected at the main model level.

3. **Customer Programming Software (CPS) is required to program the MTR3000.**
   Order RVN5115 Portable, Mobile and Repeater Customer Programming Software (CPS) Package: Package includes CPS, Air Tracer, Tuner, Repeater Diagnostics and Control (RDAC), MOTOTRBO System Planner, and 3 year subscription. Software is compatible with Windows XP (Home and Professional Versions) Windows 2000 and Vista. The RVN5115 software updates are posted on MOL and are available to customers with a current subscription at the following location: MOL > Resource Center> Software > Two-Way > MOTOTRBO > Service. CPS Cabling:

4. MTR3000 stations use a standard type A to type B USB cable for connection to the CPS computer. **Notes**: **Configure the MTR3000 to either base station or repeater operation through the CPS.** All Base Radios ship un-configured and must be field programmed via the CPS. **MTR3000 cannot utilize the MTR2000 RSS (RVN4148) The RVN5115 programs all MOTOTRBO products; MTR3000, XPR and MOTOTRBO mobiles and portable subscribers.**

5. **Software:** When ordering the MTR3000 there is no need to specify the station operation type. The MTR3000 is programmed via the CPS for either Analog or MOTOTRBO digital and Base Station or Repeater mode. The latest version of software is included in the purchase price of the MTR3000. To receive the latest software version refer to the following path: MOL > Resource Center > Software > Two-Way> MOTOTRBO > Firmware/Flashing

6. **Software features are optional.** As new software releases are available there may be software features offered for an additional charge for each Base Radio license. Dynamic Mixed Mode, Capacity Plus, Enhanced GPS. When ordering the software model an email address must be provided as the software entitlement id will be emailed to the requestor. The entitlement id allows a user to download the software feature at their convenience when they are connected to the MTR3000. To download the software version the computer that is connected to the station (via USB) must have an internet connection.

7. **Duplexers (X182) are optional.** This filter provides the capability to use a single antenna for both transmit and receiver. Only one transmitter and receiver can be combined. **If the X182 is ordered, X265 (NARROW PRESELECTOR) is required for UHF/VHF. A duplexer is not available for 900MHz**

8. **Narrow Preselector Option:** The Base Radio Preselector rejects unwanted signals including the transmitter signals from overloading the receiver. The filter is optional for the MTR3000 Base Radio. A narrow Preselector is required if a duplexer option is ordered for UHF/VHF systems.

9. **Dual Circulator is Optional:** X676 adds two circulators and a low pass filter that are mounted on a two rack unit tray for the UHF/VHF/800MHz/900MHz. Since the power amplifier has one circulator, this option brings the total number of circulators to three. If
an external dual circulator is needed, order quantity one based on the frequency of the system.

10. **Antenna Relay is optional**: X371BA provides the option of using the same antenna for receive and transmit in base station operation only. The X371 operates at any transmit and receive frequency in the 136 MHz to 941 MHz range.

11. **Cables are optional**: If a region-specific AC power cable is required for international applications, please order one of the following power cables. If ordered, these are shipped instead of the domestic power cable. DC Power cables are optional. If a DC power cable is needed, order option CA01520AA. Order an X189AE for Power Cable, Europe. Order an X162AD for Power Cable, UK and order an X191AD for Power Cable, Australia. Order an XA00040A for Brazil.

12. **Cabinet or rack mount hardware are optional.** The X153BA rack mount hardware provides brackets which space the base radio and peripheral equipment off the rails. It should be selected if the base radio is installed in standard 19-inch relay rack. The U178BA cabinet slides hardware option provides L-brackets which support the weight of the base radio prior to the insertion of the front mounting screws. This option is designed for use with Schroff Eurorack cabinets and is not compatible with THN6700, THN6701, or THN6702.

13. **Cabinet and Racks are optional**: MTR3000 Base Radios ship in a specially designed shipping box. Racks and Cabinets are available through Aftermarket Support (1-800-422-4210).

14. **Communication / Reference Cables Cabling is optional.** X244AG Community Repeater Panel Cable allows connectivity from the MTR3000 to the Zetron (Model 38-Max) Community Repeater Panel. X244AH Phone Patch allows connectivity from the MTR3000 to the Zetron phone patch (Model 30). X244AJ Auxiliary System Cable provides a 25 foot male DB25 to open wire cable. This cable is used to access the RX audio, TX audio, 14VDC power, and GPIO control connections to and from the rear of the base radio for use with external third party boxes. C540AD System Connector Cable provides a 10 foot male 96 pin Euro connection to open wire cable. This cable is used to access connections to and from the rear of the base radio for use with external third party boxes. XA00032AA Ethernet Cable 12 ft provides IP connectivity to the station.


16. **Battery Charging**: See Battery Reverting Charger ECAT page if needed.

17. **Contact Aftermarket Accessory Division (AAD) to order accessories at 1-800-421-4210.**

18. **MTR3000 has an improved two-year warranty.** Please inform customers to reference their station serial number or FO for service.

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**FCC Information**

ALL ITEMS REQUIRE AN EXPORT LICENSE TO BE EXPORTED FROM THE UNITED STATES/CANADA

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