Mobile Radio Station Motorola MTM5400 Tetra

100302

The TEDS Ready MTM5400 TETRA DMO Gateway/Repeater mobile radio provides extended coverage, exceptional audio performance and advanced data connectivity to address current and future critical communication needs of professional users.

Combining best-in-class receiver sensitivity with a 10W transmit power capability, the MTM5400 delivers industry leading operational range. With its flexible implementation options and advanced voice and data capabilities, the versatile MTM5400 supports a wide range of applications, including fixed control room, vehicle, motorcycle and custom installations.

Features

Extended Operational Range

- Up to 10W transmit power and with class leading receiver sensitivity delivers comprehensive network coverage
- Integrated DMO Gateway, DMO Repeater capabilities, ensure secure and resilient communications where needed most

Superior Audio Performance

- Enhanced audio architecture delivering the loudest and clearest audio performance of any Motorola TETRA mobile available on the market

High Sped Data Connectivity

- TEDS Ready hardware - with a simple software license upgrade, enables 20x faster data connectivity for accessing back-office systems and databases
- Integrated USB 2.0 PEI, enabling rapid radio programming and standardised interfacing to data terminals and accessories. For additional flexibility, USB host and slave modes are also supported

Low User Migration Costs

- Familiar cellular style user interface and high resolution colour display for enhanced usability and reduced staff training costs
- Same intuitive user interface as latest MTP3000 Series and MTP6000 Series TETRA portable radios
- Re-use of common accessories using GCAI connector

Enhanced End to End Encryption Options

- Integrated hardware for SIM based end to end encryption
- Universal Crypto Module option**

Location Services

- The MTM5000 Series supports Global Navigation Satellite Systems (GNSS) based location services for GPS, GLONASS and BeiDou, as well as Satellite Based Augmentation Systems (SBAS)

Advanced Terminal Management

- USB 2.0 interface for fast radio programming via Motorola Solutions Integrated Terminal Management (ITM) solution

Flexible Installation options

- Fully DIN compatible and available in Dash, Desk, Remote Head and Motorcycle mount formats
- Supports multiple control heads - an ideal solution for installations in trains, ambulances and fire vehicles where more than one control point might be required
- Supports multiple transceivers - an ideal solution for multiple agency, joint operations, or multi-task communications including bilateral such as cross-border operations
- MTM5500 ethernet style connections enable up to 40m separation to either the new ReCH Control Head or the TSCH (IP55)
- Other Equipment Manufacturer (OEM) control head solutions can be developed using the Remote Display Control (RDC) protocols

Rugged Design With Exceptional Reliability

- Includes IP67 control head option, for exposed and challenging environments
- Front and Rear rugged GCAI connector for reliable connection of audio and data peripheral equipment
- Mobile radio and accessories are performance matched for enhanced reliability

Technical specifications

- Frequency ranges: 380–430 MHz
- Features include: TETRA Enhanced Data Service Ready
- Exceptional voice communications capabilities
- Extended radio coverage on demand through integrated DMO repeater / DMO gateway functionality
- Extended Operational Range
- Superior Audio Performance
- High Speed Data Connectivity
- Enhanced End to End Encryption Options
- Rugged Design with Exceptional Reliability
- Advanced Terminal Management
- Best-in-class receiver sensitivity
- Emergency button with backlight
- Programmable buttons
- Talkgroups: 2048 (TMO) & 1024 (DMO)
- Integral backlit numeric keypad of 12 keys with keypad lock option
- Wide range of applications, including fixed control room, vehicle, motorcycle and custom installations