



MISSION CRITICAL COMMUNICATION SOLUTIONS

MTP6000 SERIES TETRA PORTABLES

When the stakes are high, front line officers need to be ready. This means providing access to critical information anytime and anywhere, to enhance their safety and to increase their effectiveness. It also means that officers focus more time on critical activities, and less time on administrative tasks.

The MTP6000 series of TETRA portables lets your front line officers respond to incidents equipped with the collective intelligence of the entire team and the community. With integrated multimedia capabilities, MTP6000 radios provide you with a platform for capturing and sharing critical intelligence across the force. Designed for operation in high stress environments, MTP6000 radios offer unmatched usability and performance, ensuring that front line officers can focus on the job, not the technology.

DIGITAL MEDIA INTELLIGENCE GATHERING

From enhanced intelligence gathering to efficient reporting, the multimedia capabilities of the MTP6000 radios create many possibilities for public safety.

With an integrated high-resolution camera, the first of its kind in a TETRA radio, the MTP6750 makes it easy for law enforcement officers to capture critical crime scene information. Building a case for prosecution will typically involve bringing together digital evidence from a wide range of sources such as agency radio traffic and digital video footage. The MTP6750 attaches meta-data to each image, enhancing investigative capabilities and enabling investigators to reconstruct the events that took place during a critical incident.

FROM INTELLIGENCE TO ADMISSIBLE PHOTOGRAPHIC EVIDENCE

To be admitted in court, photographs must be verified as authentic. The MTP6750 attaches a Digital Fingerprint to every captured image to verify its authenticity. For added security, we've ensured that Digital Fingerprint is tamperproof and that it can be safely stored in the radio.

Capturing images is just the beginning. To simplify the discovery process, photographic evidence needs to be stored and catalogued in a logical and structured manner. With our Photograph and Intelligence Communication System (PICS), you can streamline the process of managing and sharing images in a secure environment.

PROTECT YOUR INVESTMENT FROM THE UNEXPECTED

Service from the Start* provides complete peace of mind with mission-critical support for your TETRA radios. It offers multi-year coverage against normal wear and tear, fast repair turnaround times and expert telephone technical support; all backed by Motorola's globally integrated services infrastructure, highly qualified support technicians and certified repair facilities. Service from the Start with Comprehensive Coverage provides even greater support with the additional benefit of coverage for internal and external components damaged through accidental breakage. With Service from the Start you're covered – keeping your devices running and in the hands of the user.

*Availability may vary by country. Please check with your local Motorola representative for full details.

PRODUCT SPEC SHEET
MTP6000 SERIES TETRA PORTABLES

EFFICIENT DATA SHARING

If you are a paramedic, a fire incident commander or a law enforcement officer, you need access to critical information in the field. For efficient information sharing, MTP6000 radios offer unmatched TETRA data connectivity in a handheld device. As your use of data applications increases, you will also have the assurance of a radio that is hardware-ready to support much faster data transfer speeds using the TETRA Enhanced Data Service (TEDS) - delivering up to 20x faster data connectivity.

A large, vibrant colour display makes the MTP6000 an ideal solution for consuming rich content and viewing multiple lines of text. The high-resolution display also makes it easy to view detailed images and elevates the user experience for mobile applications with visual content.

STREAMLINED DISPATCH AND TASKING OPERATIONS

In an emergency, every second counts. Reaching a successful outcome is about mobilising the most appropriate resources, nearest to the incident. The

optional built-in GPS ensures that dispatchers receive accurate personnel location data, helping to optimise response times.

A suite of information “push” services allows dispatchers to send messages directly to the radio’s screen. With the Call Out feature, messages requiring a mandatory acknowledgement can be pushed to the radio’s screen, helping to ensure that critical messages get out to selected users.

REDEFINING SAFETY FOR THE EMERGENCY RESPONDER

From intuitive mission critical design and industry-leading audio to unmatched coverage performance, MTP6000 radios have been engineered to deliver uncompromising performance. Rugged and reliable, you can be sure that these radios will stand up to the harshest conditions - and even continue to operate after submersion in water. By enabling emergency responders to stay connected with their team members at all times, these capabilities are vital to keeping them safe.

FEATURES



*Only available on MTP6750

PRODUCT SPEC SHEET
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| MTP6000 RADIO MODELS | | |
|----------------------|---|----------------|
| | MTP6750 | MTP6550 |
| Camera | 5MP Auto Focus Built-in LED Flash | Not Applicable |
| Keypad | Automatic keypad backlight 4 direction navigation key 3 selection keys 4 x 3 keypad | |
| One Touch Buttons | Single button activation for multiple functions | |
| Controls | Large PTT button with enhanced tactility Emergency Button Programmable multi-function rotary switch 2 programmable side keys | |
| Additional Storage | Micro SD card (up to 32GB additional capacity) * | |
| Battery Options | Standard battery: 1650 mAh High capacity battery: 2150 mAh | |

| SIZE AND WEIGHT | |
|---|---------------------------------|
| Height | 132mm |
| Width | 59mm |
| Depth | 34mm (with standard battery) |
| Weight (Weights refer to MTP6550 model) with standard battery | 292g (with 80mm stubby antenna) |

| RF SPECIFICATIONS | |
|------------------------------|------------------------------------|
| Frequency Bands | 350-470 MHz |
| Transmitter RF Power | Class 3L (1.8W) & Class 4 (1W) |
| RF Power Level Accuracy | +/- 2 dB |
| Adaptive Power Control | Per EN 300 392-2 |
| Receiver Class | A and B |
| Receiver Static Sensitivity | -114dBm (min); -116dBm (typical) |
| Receiver Dynamic Sensitivity | -105 dBm (min); -107 dBm (typical) |

| DMO REPEATER SERVICES | |
|--|--|
| ETSI type 1A DMO Repeater for channel efficient operation | |
| Repeats DMO voice on selected talkgroup | |
| Repeats SDS and Status messaging on selected talkgroup ** | |
| Transmission of Repeater Presence Signal | |
| Emergency Call (Pre-emptive Priority Call) | |
| Monitoring of and participation in calls whilst in Repeater mode | |

| LOCATION SERVICES | |
|--------------------------|--|
| GPS Tracking Sensitivity | -159 dBm (guaranteed) - 160 dBm (typical) |
| GPS Accuracy | <5m (probable at -130dBm) |
| Protocols | ETSI LIP Motorola LRRP |

| LICENSED OPTIONS | |
|------------------------------------|---|
| Software upgrade optional features | TETRA Enhanced Data Service (TEDS) Multi-Slot Packet Data (MSPD) WAP Browser WAP Push Service Bluetooth v2.1 Support GPS Call Out Enhanced Security: OTAR/DMO SCK Air interface encryption End to End Encryption Options Permanent disable Temporary disable RUA/RUI Man-Down feature Class 3L (1.8W) transmit power RF Repeater Language options |

| ACCESSORIES | |
|--|--|
| Antennas (short stubby, long stubby, whip) | |
| Coloured rubber antenna ring labels | |
| Batteries (Li Ion 1650 mAh and 2150 mAh) | |
| Battery chargers and vehicle adapters | |
| Various carry options | |
| Audio headsets | |
| Remote speaker microphones | |
| Earpieces | |
| In-Vehicle Solutions | |
| USB programming and data cables | |

* Micro SD card slot not available on models that support hardware-based End to End Encryption.
** Availability subject to future software release.

PRODUCT SPEC SHEET
MTP6000 SERIES TETRA PORTABLES

| SECURITY SERVICES | | |
|--------------------------|------------------|--|
| Authentication | | Infrastructure initiated and made mutual by radio terminal |
| Air Interface Encryption | Algorithms | TEA1, TEA2, TEA3 |
| Protocols | Security Classes | Class 1 (Clear), Class 2 (SCK), Class 3 (GCK) |
| End to End Encryption | | Enhanced End to End Encryption with OTAK supported through AES128 or AES256 Hardware or SIM based |

| DATA SERVICES | | |
|------------------------|--|--|
| Short Data | STATUS messaging in TMO & DMO SDS messaging in TMO & DMO Short Data applications | |
| TNP1 | Simultaneous operation of Packet Data and Short Data Services over a common Peripheral Equipment Interface (PEI) | |
| AT Commands | Full Set of AT Commands (including Voice Control) | |
| Radio Fleet Management | Compatible with Motorola Integrated Terminal Management (iTM) solution | |

| USER INTERFACE | | |
|----------------------------------|--|--|
| Display | Large 2" QVGA with 262K vivid colours Backlight Flip screen, large icons and scalable text font options Screen saver gif image & text (user defined) Universal time display | |
| Multiple languages | | |
| Keypad lock | | |
| Talkgroup Management | User friendly, flexible, fast and efficient interface | |
| Favourite Folders | Up to 3 (to store any favourite talkgroup) | |
| Menu | Customisable to user needs 20 user-configurable menu shortcuts Menu configuration | |
| Contacts management | Cellular feature phone style (rapid search) | |
| Multiple dialling methods | User selects how to dial | |
| Fast, flexible call response | Private call response to a group call via One Touch Button | |
| Vibrator and multiple ring tones | | |
| Message manager | Cellular feature phone style (flexible) | |
| Text message list | 20 | |
| Intelligent keypad text input | | |
| Status list | 400 alias messages | |
| Country/Network Code List | 100 | |
| Scan lists | 40 lists of 20 groups | |
| Covert Mode | | |

| MAIN VOICE SERVICES | | |
|----------------------------------|--|--|
| Full Duplex | TMO | Private, PABX, PSTN |
| Half Duplex | TMO | Private, Group, Emergency |
| | DMO | Private, Group, Emergency Inter-MNI, Gateway, Repeater |
| Dialling | Direct, Scroll, Speed, One touch button/key, Alpha Search, Call History Redial | |
| | Tactical | Emergency Group Call to ATTACHED talkgroup |
| | Non-Tactical | Emergency Group Call to DEDICATED talkgroup |
| | Individual | Emergency Call to PREDEFINED party (half/full duplex) |
| Emergency call (user customised) | HOT MIC | Allows user to talk without needing to press PTT (user enabled) |
| | Status Message | DMO to TMO Sent to dispatch console (user enabled) Enter DMO emergency (with/without gateway) or enter TMO emergency |
| Preemptive Priority Calls | | |
| PTT Double Push | | |

| ENVIRONMENTAL SPECIFICATIONS | | |
|-----------------------------------|-----------------------------|--|
| Operating Temperature °C | -30 to +60* | |
| Storage Temperature °C | -40 to +85 | |
| Humidity | ETSI 300 019-1-7 class 7.3E | |
| Dust and Water Ingress Protection | IP67 and IP65 per IEC 60529 | |
| Shock, drop and vibration | ETSI 300-019 1-7 class 5M3 | |

| RECOMMENDED SERVICES | | |
|--|--|--|
| Service from the Start with Comprehensive Coverage** | | |

* Operating temperature range for radio camera functionality to be confirmed.
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