

MXM600

QUICK START GUIDE



Knowing Your Radio

www.motorolasolutions.com

Control Head Overview

Remote Ethernet Control Head



IP67 Remote Control Head



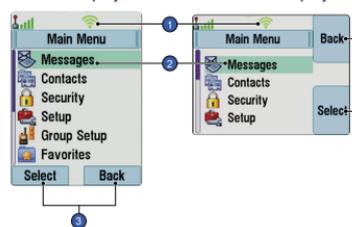
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|-----------------------------|---------------------------------------|----------------------------------|
| 1 Large Rotary Control Knob | 4 Keypad with 15 Programmable Buttons | 7 Horizontal or Vertical Display |
| 2 Emergency Button | 5 Status LED | 8 Power Button |
| 3 GCAI MMP Dust Cover | 6 Screws | 9 Soft Key Buttons |
| | | 10 Micro USB Port |

Telephone Style Control Head (TSCH)



Home Screen Overview

Vertical Display



Horizontal Display



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|--------------------|
| 1 Status Icon Area |
| 2 Display Area |
| 3 Soft Key Area |

Transceiver Overview

Front View

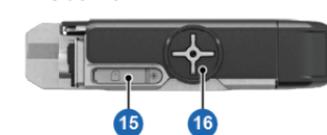
Single Remote



Data Box



Side View



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|---|
| 1 Ethernet RJ50 Connector (for Remote Control Head) |
| 2 RJ50 connector for SIM Port and RJ45 Ethernet |
| 3 9-Pin SubD Connector (RS232) |
| 4 25-Pin SubD Connector |
| 5 Large Rotary Control Knob |
| 6 Emergency Button |
| 7 GCAI MMP Dust Cover |
| 8 Keypad with 15 Programmable Buttons |
| 9 Status LED |

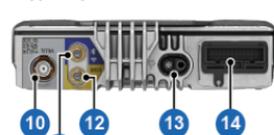
Dual Remote



Dash/Desk Mount



Rear View



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|----------------------------------|
| 10 TETRA Antenna Port |
| 11 Bluetooth/Wi-Fi Antenna Port |
| 12 GNSS Antenna Port |
| 13 Power Connection |
| 14 26-Pin Accessory Connector |
| 15 TETRA SIM Card Dust Cover |
| 16 Trunnion Mounting Guide Point |
| 17 Soft Key Buttons |

Top View



Looking After Your Radio

Never leave your Control Head in extreme temperatures (over +85° C), for example, behind a windscreen in direct sunlight.

The Dash/Desk Mount Control Head and Remote Ethernet Control Head is protected against dust and water sprays (compliant with the IP54 rating). The Telephone Style Control Head is protected and compliant with the IP55 rating. The IP67 Remote Ethernet Control Head is protected and compliant with the IP67 rating.

To clean your radio, use a moistened or antistatic cloth.

Attaching the Antenna

1. Connect the external Bluetooth/Wi-Fi antenna cable to the Bluetooth/Wi-Fi antenna port of the transceiver. Tighten the cable connector head to the transceiver.
2. Connect the external GNSS antenna cable to the GNSS port of the transceiver. Tighten the cable connector head to the transceiver.
3. Connect the external TETRA cable to the TETRA LMR port of the transceiver. Turn the connector head of the cable to lock the cable to transceiver.

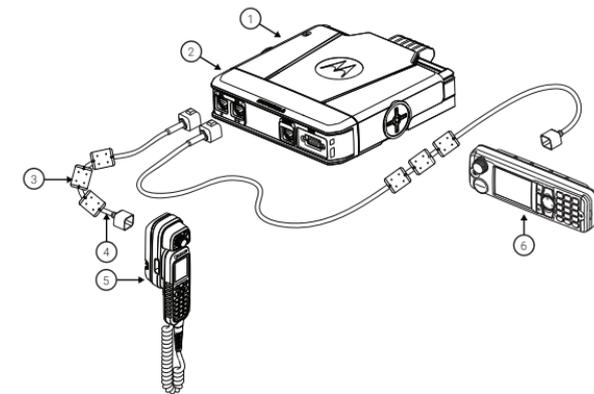


Inserting the TETRA SIM Card

1. Flip open the TETRA SIM card dust cover on the transceiver.
2. Insert the TETRA SIM card into the card slot. Ensure that the gold contact area is facing downward.
3. Close the TETRA SIM card dust cover. Ensure that the SIM card dust cover is closed completely.



Installing the Control Head



- | | |
|------------------------------|------------------------------------|
| 1 Transceiver | 4 Remote Mount RJ50 Ethernet Cable |
| 2 Dual Remote Expansion Head | 5 Telephone Style Control Head |
| 3 Ferrite clamp | 6 Remote Ethernet Control Head |

Getting Started

www.motorolasolutions.com

More Information on the Radio

Visit the Motorola Solutions web site or scan the QR code:

<http://www.motorolasolutions.com/>



Learning Experience Portal

User documentation available at:

<https://learning.motorolasolutions.com/>

Open Source Software Legal Notices

Available in Integrated Terminal Management (ITM)



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Turning the Radio On

To turn on the radio, press and hold the **Power** button.

Turning the Radio Off

To turn off the radio, press and hold the **Power** button.

Entering Emergency Operation

Press and hold the **Emergency** button.

NOTE: If the terminal is turned off, press and hold the **Emergency** button to turn on the terminal in Emergency Operation (if configured by your Service Provider).

Rotary Knob Functions

The service provider can program the **Rotary Knob** to perform one of the following functions:

- **Dual Control** - The knob is used as a volume control and for scrolling through lists. Press the knob to switch between volume and list (default programming).
- **List Control** - The knob is used to scroll through lists or menu items. Volume can then only be adjusted through the menu or external accessory.
- **Volume Control** - The knob is used to adjust the volume. Press and hold the **Rotary Knob** to lock or unlock the volume setting.

Menu Key

Pressing the **Menu** button allows you to enter the following functions:

- **Menu** (when there is no ongoing activity): The menu allows you to control your terminal settings. Menus are organized in a hierarchy. The menu options provide access to the sub-menu.
- **The context sensitive menu** (when the context sensitive icon is on): This function allows you to view a list of items for the current menu.

Soft Keys

To select the options displayed on the screen, press the soft key.

Locking or Unlocking Keys

Press the **Menu** button, and then the * button.

Unlocking the Terminal

Enter the unlock code at the prompt.

NOTE: The default unlock code is "0000". Ask your service provider if the default code is changed when receiving your terminal.

Selecting Trunked or Direct Mode Operation

From the Home screen, press **Options**, and then select **Trunked Mode** or **Direct Mode**.

Selecting Gateway or Repeater Mode Operation

In Gateway Mode, your terminal connects DMO and TMO. In Repeater Mode, your terminal extends the DMO range by enhancing the received information.

1. From the Home Screen, press the **Options** button.
2. Select either **Gateway Mode** or **Repeater Mode**.

Sending a New Message

1. Press the **Menu** button and select **Messages > New Message**.
2. Enter your message.
3. Select a contact to send your message.
4. Select **Send** or press the **Send** key.

Sending Status Messages

1. Select a group.
2. Press the **Menu** button and select **Messages > Send Status**.
3. Select a status and press the **Send** key or PTT button.

Making TMO or DMO Group Calls

1. Select TMO or DMO mode.
2. From the Home screen, select a group and press **Select**.
3. Press and hold the **PTT** button.
4. Release the **PTT** button to listen.

Making TMO or DMO Emergency Group Calls

1. Select a TMO or DMO mode.
2. Press and hold the emergency button.
3. Press and hold the PTT button.
4. Release the **PTT** button to listen.
NOTE: If you are using the Hot Mic feature, wait for the **Emgcy Mic On** message to appear on the display and talk without pressing the PTT button.
5. To exit Emergency Mode, press and hold the Exit soft key.

Making Simplex Private Calls

1. From the Home screen, dial a number.
2. Press and release the **PTT** button.
3. When the recipient answers, wait for their response to finish.
4. Press the end **End** key to terminate the call.

Making Duplex Private Call/Phone/PABX Calls

1. From the Home screen, press and release the **Send** key.
2. When the ringing sounds, the called party answers.
3. Press the **End** Key to terminate the call.

LED Status Indicator

Indication	Status
Solid green	<ul style="list-style-type: none">• In use• Repeating call• Control head update, downgrade, or language change successful
Blinking green	<ul style="list-style-type: none">• In service or idle• Switching modes from TMO to DMO
Solid red	<ul style="list-style-type: none">• Out of service• Radio checks for software update (OTAP over Wi-Fi) failed• Failure or error detected during control head programming
Blinking red	<ul style="list-style-type: none">• Connecting to a network• Switching modes from DMO to TMO
Solid orange	<ul style="list-style-type: none">• Radio is powering on• Transmit inhibit mode in service• Channel busy in DMO• Radio interference in DMO
Blinking orange	<ul style="list-style-type: none">• Incoming call• Programming control head
No indication	<ul style="list-style-type: none">• Radio powered down
Red and orange interchanging	<ul style="list-style-type: none">• Radio does not detect Certificate Enrollment