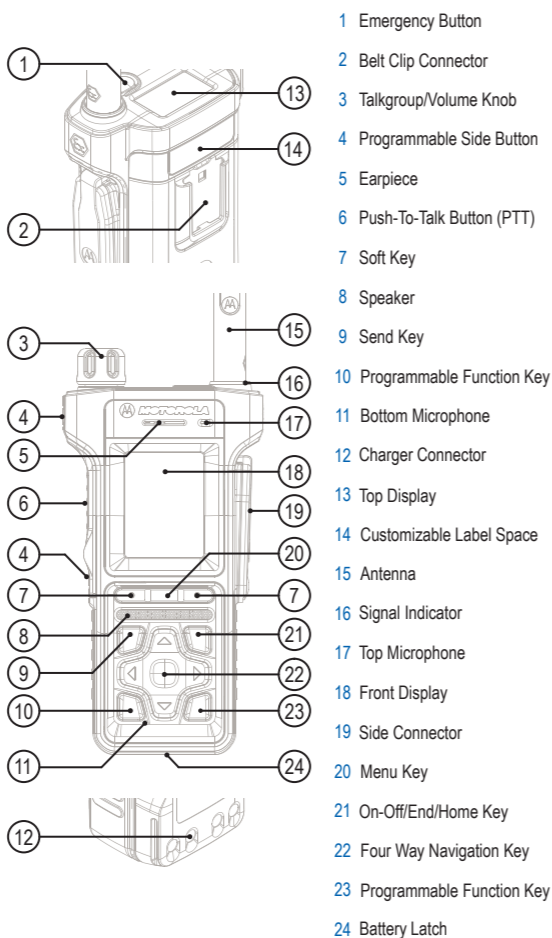




Controls and Indicators

www.motorolasolutions.com



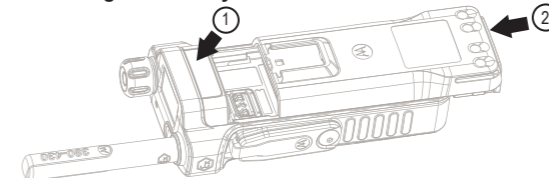
Signal Indicator Status

Indicator	Status	Charging Status
Solid green	In use	Fully Charged
Blinking green	In service	90% - 99% Charged
Solid red	Out of service	Rapid Charge
Blinking red	Connecting to a network Entering DMO	Faulty or Invalid Battery
Solid orange	Transmit Inhibit in service Channel busy in DMO	-
Blinking orange	Incoming private or phone call	Battery is waiting to charge
No indication	Switched off or in Covert Mode	-

Battery Capacity Information

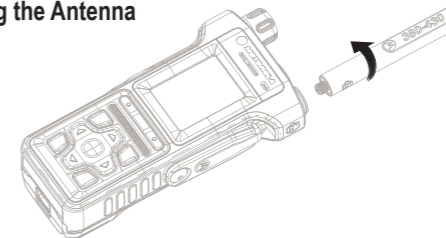
Information	Description
	Full (80% – 100% capacity)
	Middle (60% – 80% capacity)
	Low (25% – 60% capacity)
	Very low (5% – 25% capacity)
	Less than 5% capacity

Installing the Battery



Battery installing must occur only in non-hazardous areas. Remove the battery from its protective case. Fit the customizable label (1). Insert the battery into the compartment (2). Carefully slide the battery towards the top of the radio until it clicks into place.

Attaching the Antenna



Turn the radio off before attaching the antenna. Align the bottom of the antenna and the screw-in base on the top of the radio. Turn clockwise until snug. Do not force.

Unlocking the Radio

Your radio may be locked at power up. To unlock the radio after powering on, enter the code at the prompt using Navigation keys. The unlock code is originally set to 0000. Your service provider may change this number before you receive your radio.

Unlocking/Locking the Keypad

To unlock/lock the keypad, press the Menu key and then Left Navigation key.

Holding Your Radio

The radio has two microphones:

- A top microphone for simplex group, dispatcher, or private calls
- A bottom microphone for duplex, telephone-like calls

When making duplex calls (low audio), hold your radio as you would a telephone. Speak into the bottom microphone. Listen via the earpiece. Keep the antenna at least 2.5 cm from your head and body.



When making simplex calls (high audio), hold the radio in a vertical position with the top microphone 5 to 10 cm away from your mouth. Speak into the top microphone. Listen via the radio internal speaker. Keep the antenna at least 2.5 cm from your head and body.



Looking After Your Radio

Never leave your radio or battery in extreme temperatures (over +85 °C), for example, behind a windscreen in direct sunlight. The radio is submersible (compliant with the IP67 standard) - but only with the battery, antenna, and dust cover or its equivalent, attached. To clean your radio, use a moistened or antistatic cloth. If the radio is exposed to impure liquids such as dirty water or salt water, follow the washing procedures as described in the Appendix section of the MTP8500Ex Feature User Guide.

Getting Started

www.motorolasolutions.com

More Information on the Radio

Visit the Motorola Solutions Web site at:
<http://www.motorolasolutions.com/>

Learning Experience Portal

User documentation available at:
<https://learning.motorolasolutions.com/>

Open Source Software Legal Notices

Available in Customer Programming Software Plus (CPS Plus) DVD.



This document is copyright protected. Duplications for the purpose of the use of Motorola Solutions products are permitted to an appropriate extent. Duplications for other purposes, changes, additions or other processing of this document are not permitted. Only this electronically-saved document is considered to be the original. Duplications are considered merely copies. Motorola Solutions, Inc., and its subsidiaries and affiliates do not vouch for the correctness of such kinds of copies.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners.
© 2015 and 2021 Motorola Solutions, Inc. All rights reserved.



MN002024A01-BC



Selected Icons

Icon	Description
	In Service (TMO)
	No Service (TMO)
	Signal Strength
	Direct Mode (DMO)
	Emergency Mode
	Scan (TMO)
	Priority Scan (TMO)
	Battery Level (Front/Top Display)
	Battery Charging (Front/Top Display)
	All Ring Muted
	Simplex Ring Muted
	Duplex Ring Muted

Icon	Description
	Migration
	Low Audio
	High Audio
	Earpiece Connected
	New Message Has Arrived
	New Message(s)
	Packet Data Enabled
	Packet Data Transmitting
	High RF Power
	Radio Keys Locked
	Location
	Bluetooth No/Active Connection

Turning the Radio On/Off

To power the radio on/off, press and hold **On/Off** key.

Using the Top Display

The radio is equipped with a secondary display placed at the top. Use it to check for key information, such as the battery level, volume level, signal strength, talkgroup name, or radio status.

Using the Radio Menu

To enter the menu, press the **Menu** key.
To scroll through the menu, press the Up or Down Navigation key.
To select a menu item, press **Select** or the Right Navigation key.
To return to the previous level, press **Back** or the Left Navigation key.
To exit the menu, press the **Home** key.

Sending Status Messages

Select the target talkgroup, then press the **Menu** key and select **Messages > Send Status**. Highlight a status message and press the **Send** key or PTT to send it.

Sending SDS Messages

From the home screen, press the **Menu** key. Select **Messages > New Message**. Enter your message and select **Send**. Select **Private** or **Group**. Enter a Private ID or choose a group.

Selecting Trunked/Direct Mode Operation

From the home screen, press **Optns**, then select Trunked Mode or Direct Mode.

Making TMO/DMO Group Calls

Enter TMO or DMO. From the home screen, use the Talkgroup Knob or Navigation keys to highlight the target talkgroup. Press **Select** (if configured). Press and hold PTT. Wait for the talk permit tone (if configured) and talk. Release PTT to listen.

Making TMO/DMO Emergency Group Calls

Enter TMO or DMO. Press and hold the **Emergency** button. The emergency alarm is sent automatically (if configured). Press and hold PTT. Wait for the talk permit tone (if configured) and talk. Release PTT to listen.

If using the Hot Mic feature, wait for the "Emgcy Mic On" message to appear on the display, then talk without pressing PTT.

To exit the emergency mode, press and hold the **Exit** soft key.

Making Simplex Private Calls

IN DMO: From the home screen, dial a number using Software Numeric Keypad (a shortcut needs to be assigned to a Function Key or a Navigation Key - refer to the Feature User Guide for details). Press and hold PTT to make the call and talk (wait for the talk permit tone if configured). Release PTT to listen. Press the **End** key to terminate the call.

IN TMO: From the home screen, dial a number using Software Numeric Keypad (a shortcut needs to be assigned to a Function Key or a Navigation Key - refer to the Feature User Guide for details). Press and release PTT to make the call. Wait for the called party to pick up. Once the call is connected, press and hold PTT to talk (wait for the talk permit tone if configured). Release PTT to listen. Press the **End** key to terminate the call.

Making Duplex Private/Phone/PABX Calls

From the home screen, dial a number using Software Numeric Keypad (a shortcut needs to be assigned to a Function Key or a Navigation Key - refer to the Feature User Guide for details). Change the call type by pressing **Ctype**. Press and release the **Send** key. The ringing sounds. The called party answers. Press the **End** key to terminate the call.

To answer an incoming call, press the **Send** key.

Pairing Your Radio with Bluetooth Devices

From the home screen, press the **Menu** key and select **Bluetooth > Add Device**. Highlight the required device and select **Pair**. If needed, enter a PIN code or a passkey.