

- 1 Accessory Socket
- 2 Talkgroup Knob
- 3 Volume Knob
- 4 LED Status Indicator
- 5 Programmable Side Button
- 6 Push-To-Talk Button (PTT)
- 7 Soft Key
- 8 Send Key
- 9 Speaker
- 10 Bottom Microphone
- 11 Antenna with a color O-ring
- 12 Emergency Button
- 13 Top Microphone
- 14 Side Connector
- 15 Display
- 16 Menu Key
- 17 On-Off/End/Home Key
- 18 Four Way Navigation Key
- 19 Alphanumeric Keypad
- 20 Bottom Connector
- 21 Battery Latch

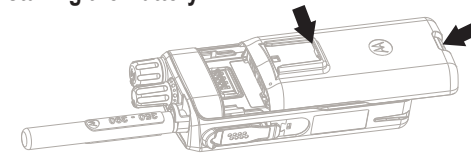
### LED Status Indicator

Indicator	Status	Charging Status
Solid green	In use	Fully Charged
Blinking green	In service	90% 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	-

### Battery Capacity Information

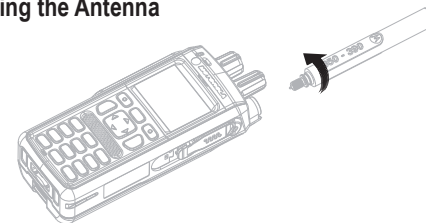
Information	Description
	Full (80% – 100% capacity)
	Middle (60% – 80% capacity)
	Low (25% – 60% capacity)
	Very low (5% – 25% capacity)
	Less than 5% capacity

### Installing the Battery



Insert the battery into the compartment.  
Slide towards the top of the radio until it clicks.

### 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 the \* 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 centimeters 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 centimetres away from your mouth. Speak into the top microphone. Listen via the radio internal speaker. Keep the antenna at least 2.5 centimeters 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 and the antenna attached.  
To clean your radio, use a moistened or antistatic cloth.

## 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



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## Icons

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

Icon	Description
	Migration
	Low Audio
	High Audio
	Earpiece Connected
	Speaker Off
	New Message Has Arrived
	New Message(s)
	Packet Data Enabled
	Packet Data Transmitting
	High RF Power
	Radio Keys Locked
	Location

## Turning the Radio On/Off

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

## 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. 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. 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. 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 > Scan for Accessories**. Highlight the required device and select **Pair**. If needed, enter a PIN code or a passkey.