| No.	Description
8	Microphone
9	Speaker
10	Task Light Button
11	Charging Contact
12	Near-field communication (NFC) Tag
13	Blue Dot
14	Audio Jack
15	Battery Latch
16	Swivel Clip
17	Task Light
18	USB-C Port
19	Power Indicator
20	Audio or Bluetooth Indicator

2.1
Getting Started

The chapter provides basic information on how to use your WM800 RSM.

2.1.1
Attaching the Battery

Perform the following actions to attach the battery to the WM800 RSM body.
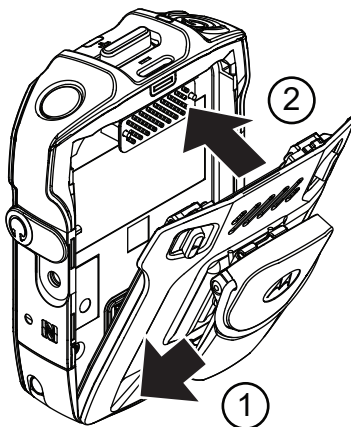
Procedure:

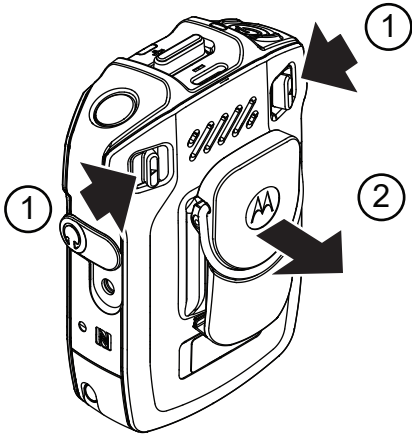1. Align the bottom part of the battery to the WM800 RSM body.

2. Push the battery towards the WM800 RSM body.

> 📝 **NOTE:** Press firmly in the middle to ensure both latches snap in place and fully locked.

2.1.2
Detaching the Battery

Perform the following actions to detach the battery from the WM800 RSM body.

Procedure:

1. Pinch the battery latch simultaneously.

2. Detach the battery from the WM800 RSM body.

2.1.3
Recommended Wearing Positions

Figure 1: Recommended Wearing Positions

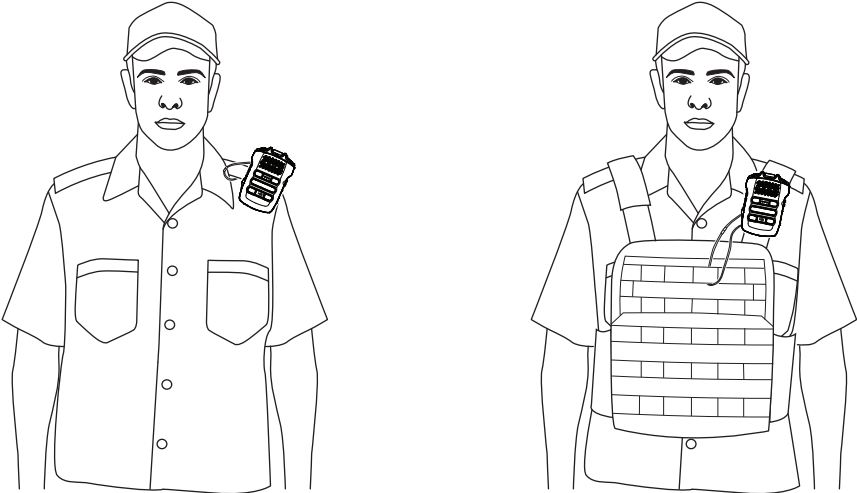**Figure 2: Recommended Wearing Positions—Using Tethering Kit Accessory with Lanyard**

Figure 3: Recommended Wearing Positions—Using Tethering Kit Accessory with Velcro and Lanyard
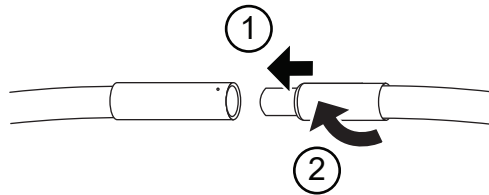

2.1.3.1
Locking the Tethering Kit Accessory

Perform the following actions to lock the tethering kit accessory.

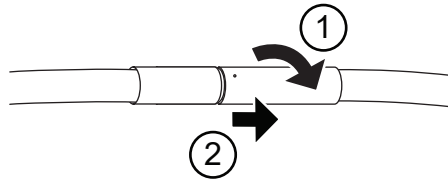**Figure 4: Locking the Tethering Kit Accessory**

Procedure:

1. Align and mate the two connector ends. You will feel a loaded spring force during insertion.

2. Rotate clockwise until the two connector ends are locked.

2.1.3.2
Unlocking the Tethering Kit Accessory

Perform the following actions to unlock the tethering kit accessory.

Figure 5: Unlocking the Tethering Kit Accessory

Procedure:

1. Rotate counterclockwise to unlock the tethering kit accessory.

2. Pull and disconnect the connector ends.

2.2
Status Indications

Refer to the following tables to understand your WM800 RSM status indication.

2.2.1
Power LED Indications

Table 6: Power Indication

Power Indicator		Description
Blinking green for one second	🔆	Power On
Blinking green twice	🔆	Power Off
Blinking red twice	🔆	Power Up Error

📝 **NOTE:** Press the **Power** button once to get the battery status when WM800 RSM is not charging.

Table 7: Battery Indication

Power Indicator		Description
Off		Battery is at medium or high level.
Blinking green twice	🔆	Battery at high level.
Blinking amber twice	🔆	Battery at medium level.
Blinking red	🔆	Battery at low level. 📝 **NOTE:** Voice and Tone Prompt are announced every two minutes until the device starts charging.

Power Indicator		Description
Rapid blinking red	☀	Battery at critical level. Charge the RSM immediately to prevent flat-battery. 📝 **NOTE:** Voice and Tone Prompt are announced every 30 seconds until the device starts charging.

Table 8: Charging Indication

Power Indicator		Description
Solid red	●	Device is charging.
Blinking green	☀	Device is charged up to 90% or more.
Solid green	●	Device is nearly charged or fully charged.
Blinking Amber	☀	Battery is waiting to charge. (Either the battery voltage is too low or the battery temperature is too low or too high to allow charging. When this condition is corrected, the battery will automatically begin charging.)
Blinking red	☀	Charging Error.

2.2.2

Audio and Bluetooth LED Indication

Table 9: Audio and Bluetooth LED Indication

Audio/Bluetooth Indicator		Status
Continuous blinking blue	☀	Pairing Mode
Solid blue	●	• Connecting • Reconnecting • Disconnected
Off		Connected 📝 **NOTE:** Refer to Table 10: Bluetooth or Audio LED Indication on page 27 for more information about the connection status.

2.2.3
Sign of Life Indication

2.2.3.1
Device in On or Connected State

Prerequisites: Ensure your WM800 RSM in idle and powered up.

Procedure:

Press the **Power** Button for less than one second.

When checking the Sign of Life, observe the following indications:

Table 10: Bluetooth or Audio LED Indication

Audio/Bluetooth Indicator		Status
Continuous blinking blue		Pairing Mode
Solid blue		• Connecting • Reconnecting • Disconnected
Fast blinking blue twice (Once)		Connected

Result: You hear the following voice prompts or tone:

- You hear the following voice prompts: "RSM Battery *<STATUS>*" and *<Connection Status>*" (if the WM800 RSM is set to **Voice Prompt**).

- "Battery *<STATUS>* " tone and "Connection Status" tone plays (if the WM800 RSM is set to **Tone**)

2.2.3.2
Device in Charging State

Prerequisites: Ensure your WM800 RSM in idle state and charging.

Procedure:

Press the **Power** button for less than one second.

When checking the Sign of Life, observe the following indications:

Table 11: Power or Battery LED Indication

Power Indicator		Status
Solid red		Battery is charged to less than 90% capacity.
Blinking green		Battery is charged to 90% or greater capacity.
Solid green		Battery is fully charged.

Power Indicator		Status
Blinking Amber		Battery is waiting to charge. (Either the battery voltage is too low or the battery temperature is too low or too high to allow charging. When this condition is corrected, the battery will automatically begin charging.)
Rapid Blinking Red		Charging Error.

Table 12: Bluetooth or Audio LED Indication

Audio/Bluetooth Indicator		Status
Continuous blinking blue		Pairing Mode
Solid blue		● Connecting ● Reconnecting ● Disconnected
Rapid blinking blue twice		Connected

Result:

- You hear the following voice prompts or tone:
  - ○ "RSM Battery *<STATUS>* and *<Connection Status>*" (if the WM800 RSM is set to **Voice Prompt**).
  - ○ "Battery *<STATUS>*" tone and "Connection Status" play (if the WM800 RSM is set to **Tone**).

2.3
WM800 RSM General Operations

2.3.1
Powering the WM800 RSM On or Off

Procedure:

1. To turn on the WM800 RSM, press and hold the **Power** button until you hear the "Power On" voice prompt.

2. To turn off the WM800 RSM, press and hold the **Power** button until the radio power down tone is heard.

3. Observe the following sequence when turning WM800 RSM on or off:

Table 13: LED and Tone Indications for Power On or Off

Power	Power or Battery LED Indication	Audio or Bluetooth LED Indication	Tone Indication	Voice Prompt
On	Blinking green for one second	- Solid blue during connection status - Blinking blue in Pairing Mode	Power Up tone	"Power On" "RSM *<Battery Status>*" "*<Connection Status>*"
Off	Blinking green twice		Power Down tone	"Power Off"

2.3.2
WM800 RSM Pairing

2.3.2.1
Pairing Your WM800 RSM Through Bluetooth

Prerequisites: Ensure that your WM800 RSM is off.

Procedure:

1. Press and hold the **Power** button until you hear the "Power On" followed by "Searching for Host" voice prompt and the Audio or Bluetooth LED blinks blue.

2. From the compatible device, search and select **WM800_xxxx** from the Bluetooth list.

   You hear the "Connected" voice prompt and Pairing tone plays when the devices successfully paired.

3. If the pairing is unsuccessful, the WM800 RSM remains in pairing mode. You can repeat step 2 to attempt pairing again.

   📝 **NOTE:** The WM800 RSM pairing mode times out in two minutes.

2.3.2.2
Pairing Your WM800 RSM Through Secure NFC (recommended for higher security level)

Prerequisites: Ensure that your WM800 is off.

Procedure:

1. Press and hold the **Power** button until you hear the "Power On" followed by "Searching for Host" voice prompt and see that the Audio or Bluetooth LED blinks blue.
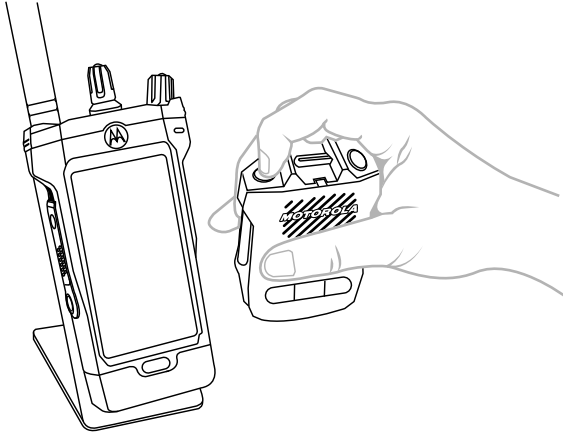
2. Open the NFC widget and follow the instruction on the radio to complete the pairing process.

3. Align the NFC tag from the WM800 RSM and the M logo at the back of the radio together until you hear a beep tone (successful detection), but not successfully paired.
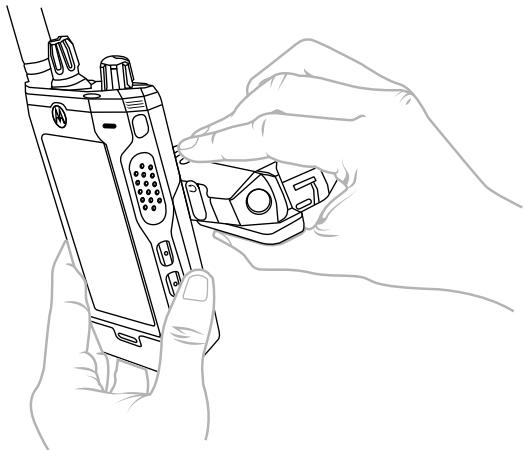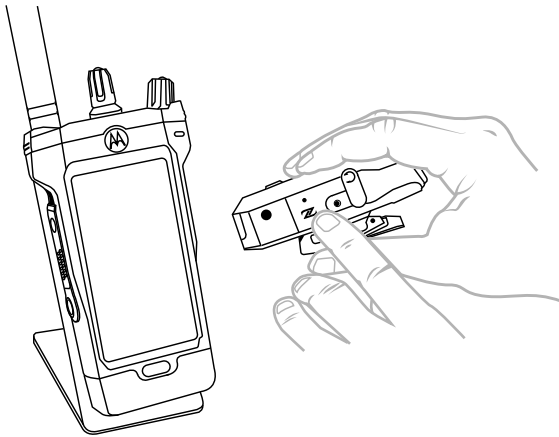
Observe the following in the radio and WM800 for a successful pairing:

● The WM800 has short beeps until the devices are successfully paired.

● You hear the "Connected" voice prompt (if **Language** is selected).

● The Audio or Bluetooth LED blinks blue after a successful connection.

- If pairing is unsuccessful, the WM800 returns to pairing mode.

> 📝 **NOTE:** The WM800 pairing mode times out in two minutes.

2.3.3
WM800 RSM Auto Power Off

In pairing mode, WM800 RSM turns off automatically to save battery life.

When WM800 RSM initiates Auto Power Off, observe the following sequence:

- You hear the following voice prompt: "Searching for Host."

- WM800 RSM enters the idle state if there is no button interaction and no device found.

After a certain duration, observe the following sequence:

Table 14: Auto Power off Indicator

Time	Indication
At 60 seconds	- Voice Prompt: "Searching for Host" or - Tone Prompt: "Pairing Tone"
At 90 seconds	- Voice Prompt: "Searching for Host" or - Tone Prompt: "Pairing Tone"
At 110 seconds	- Voice Prompt: "Auto Powering Off, press **Power** button to cancel" or - Tone Prompt: "Auto Power Off Announce Tone"

- If you press the **Power** button, you hear the following voice prompt: "RSM Battery *<Status>*" or "*<Connection status>*." The WM800 RSM restarts the Auto Power Off sequence.

- If there is no interaction on **Power** button, WM800 RSM automatically turns off at 120 seconds.

- You can observe the following sequence:
  - Power or Battery LED blinks green twice then stop.
  - You hear the following voice prompt or tone:
    - "Power Off " (if WM800 RSM set to **Language**).
    - "Power Off" tone plays (if WM800 RSM is set to **Tone**).
  - WM800 RSM automatically shuts down to save battery life.

2.3.3.1
Subsequent Connection

When Bluetooth link is lost, WM800 RSM and paired host automatically reestablish connection when close to each other.

Connecting to Same Host

If WM800 RSM is paired through Bluetooth, the connection automatically reestablishes when power up.

If WM800 RSM is paired through Secure NFC, refer to Pairing Your WM800 RSM Through Secure NFC (recommended for higher security level) on page 29.

Connecting to New Host

WM800 RSM must be in Pairing Mode by pressing **Power** button and **PTT** button simultaneously. Refer to .

2.3.3.2
Removing Paired Devices

Prerequisites: Ensure that your WM800 RSM is turned off.

Procedure:

Press and hold the **PTT** button and the **Power** button simultaneously for five seconds.

When your WM800 RSM starts clearing the pairing list, you can observe the following sequence:

- You hear the following voice prompts: "Power On", "Pairing Clear"*<Battery Status>*, *<Connections Status>* (if WM800 RSM is set to **Voice Prompt**).
- "Power On Tone", "Clear Pairing Tone", and "Connections Status Tone" plays (if WM800 RSM is set to **Tone**)
- Your WM800 RSM enters the pairing state after clearing paired host devices.

   NOTE: WM800 RSM automatically turns off after two minutes in pairing mode.

2.3.4
Setting Voice Prompt

Prerequisites: Ensure that your WM800 RSM is turned on and not connected to any host device.

Procedure:

1. Press the **Two-Dot Programmable** button.
2. Select **Language** or **Tone**.

   NOTE: If connection loss happens, this selection is not available. Unpair or disconnect the WM800 RSM from the host device.

2.3.5
Setting Tone

Prerequisites: Ensure that your WM800 is turned on and not connected to any host device.

Procedure:

1. Press the **Two-Dot Programmable** button.
2. Select **Language** or **Tone**.

   NOTE: If connection loss happens, this selection is not available. Unpair or disconnect the RSM from the host device.
3. Initiate "tone" voice prompt.

Result: WM800 starts voice prompt for tone. You can now configure WM800 to generate tone prompts only.

2.3.6
Setting Volume

You can change up to 16 volume levels in the WM800. When using the device for the first time, the volume is set to the default level upon powering up. The device retains the previously set volume level for subsequent uses.

Procedure:

1. To decrease the volume, short press the **-** button. Press and hold the **-** to continuously decrease the device volume until it reaches the minimum level.

2. To increase the volume, short press the **+** button. Press and hold the **+** to continuously increase the device volume until it reaches the maximum level.

2.3.7
Using the Task Light

Prerequisites: Ensure that your WM800 RSM is on or in the connected state.

Procedure:

Press the **Task Light** button for one second to turn on or off the task light.

If the task light is on, the task light LED shows solid white. If the task light is off, the task light LED is off.

> **NOTE:**
> ● The task light blinks for 30 seconds and is automatically switched off during low or critical battery capacity moments.
> ● The task light is off when WM800 RSM is entering Dark Mode.

2.3.8
Activating Dark Mode

Dark Mode allows you to turn off the LEDs on the WM800 RSM. In Dark Mode, all indications are turned off by the WM800 RSM.

Procedure:

Press and hold the **Task Light** button until Dark Mode is turned on.

The task light blinks for one second after entering or exiting Dark Mode.

> **NOTE:** To disable the Dark Mode feature, press the **Task Light** button for three seconds.

2.3.8.1
Using Task Light in Dark Mode

Procedure:

Perform one of the following steps:

If you are...	Then, you...
Turning on the task light when in Dark Mode.	a. Press and hold the **Task Light** button to turn on the task light.
Entering Dark Mode when the Task Light is on.	a. Press and hold the **Task Light** button for three seconds.

When entering dark mode, you can observe the following sequence:

- Power or Battery LED blinks green twice.
- Audio or Bluetooth LED blinks blue twice and then stop blinking.
- Task light blinks white twice and then stop blinking.
- "Dark Mode On" tone plays (if WM800 RSM is set to **Tone**).
- "Lights Off" voice prompt plays (if **Language** is selected).

2.3.9
Activating Covert Mode

Procedure:

Perform one of the following steps:

If you are...	Then, you...
Activating Covert Mode from RSM.	a. Press and hold the **Task Light** button for three seconds.
Activating Covert Mode from paired Host Device.	a. Do not press any button on RSM. RSM automatically follows the mode on paired Host device.

When in covert mode, you can observe the following sequence:

- If paired Host Device does not supports covert mode, RSM enters the dark mode.
- Depending on the Host Device codeplug, either LED or Voice Prompt turns off, or both in combination.
- All charging LEDs switched on when WM800 RSM is charging or connected to power source using a USB or a Dual-Unit Charger.
- ViQi voice prompts stay disabled.
- Audio and voice prompts stay enabled on the earpiece (SAD).

2.3.10

Activating Secure Mode or Open Mode

You can use the WM800 RSM at the highest security level by activating Secure Mode. Pair the WM800 RSM through Secure NFC to use it in Secure Mode. Activating Secure Mode will clear all pairing information. You will not be able to deactivate Secure Mode using the same button operation.

Prerequisites: Ensure that your WM800 RSM is in powered down state.

Procedure:

1. Press and hold **Power** button, **Two-Dot** button, and **Three-Dot** button simultaneously for more than two seconds.

   You hear the following voice prompts: "Entering Secure Pairing Mode, press PTT to confirm."

2. Perform one of the following steps:

If you press...	Then,
press the **PTT** button.	You observe the following indications: ● Power or Battery LED blinks green for one second. ● Audio or Bluetooth LED turns solid blue during connection status. You hear the following voice prompts: ● "Power on," RSM Battery," "Status," Secure Connection Status" (if **Language** is selected).
press other button.	You observe the following indications: ● WM800 RSM returns to powered down state. You hear the following voice prompts: ● You hear the following voice prompts: "Canceled" (if **Language** is selected).
takes five seconds to respond without any button press.	You observe the following indications: ● WM800 RSM returns to powered down state. You hear the following voice prompts: ● You hear the following voice prompts: "Canceled" (if **Language** is selected).

2.3.10.1

Powering up WM800 RSM in Secure Mode

Prerequisites: Ensure that your WM800 RSM is turned off and in secure mode.

Procedure:

Press and hold **Power** button for two seconds.

When your WM800 RSM is powering up, observe the following sequence:

● Power or Battery LED blinks green for one second.

● Audio or Bluetooth LED exhibits the following state:

    ○   Turns solid blue when connection status is "Disconnected" or "Reconnecting."

    ○   Blinks blue twice when connection status is in Pairing Mode.

● You hear the following voice prompts:

    ○   "Power on, RSM Battery "Status," Secure" "Connection status" (if **Language** is selected).

    ○   "Power On" tone and "Secure Pairing Mode On" tone plays (if RSM is set to **Tone**).

2.3.11
Activating Voice Control

Prerequisites: Ensure that your WM800 RSM is turned on and connected to a radio supporting voice assistance (ViQi) feature.

Procedure:

1. Press and hold the **Three-Dot Programmable** button.

   "VC Ready" tone plays on the WM800 RSM speaker.

2. Speak voice command on the RSM for ViQi to initiate command.

3. Release the **Three-Dot Programmable** button.

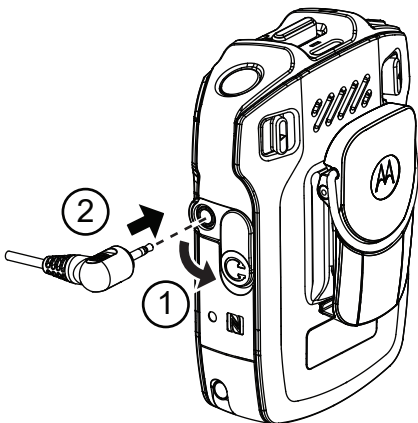   You hear the voice control feedback based on your command.

2.3.12
Secondary Audio Accessory

When a secondary accessory is plugged into the audio jack, the audio routes through a secondary accessory.

2.3.12.1
Attaching Secondary Audio Accessory

Prerequisites:

⚠ **CAUTION:** To avoid possible injury to your hearing, you must set the Extra Loud Earpiece Compatible setting in the Motorola Accessories Programming Software (APS).

Procedure:

1. Lift up the dust cover and rotate 90°.

2. Insert the secondary audio accessory to 3.5 mm audio jack.

2.3.13
Button Bad Bonks

WM800 RSM responds with the Bad Bonk tone indicating that the interaction is not valid.

Table 15: Bad Bonk Indications

State	Button Press
Voice Prompt Selection Menu	**Emergency** Button
WM800 RSM not connected or paired	**PTT Button** or **Emergency** Button
Multiple **PTT** button pressed	WM800 **PTT** and Gateway **PTT** simultaneously

2.3.14
Failure Detected Indication and Handling

When any product error occurs, you can observe the following sequence:

- Power or Battery LED blinks red, until your RSM power off.

- Audio or Bluetooth LED blinks red.

- Depending on the error, you can hear the following voice prompt or tone:

  ○ "Failure Detected" (if WM800 RSM is set to **Voice Prompt**)

  ○ "Fatal Error" tone (if WM800 RSM is set to **Tone**).

2.3.15
Troubleshooting

When your RSM is unable to reestablish wireless connection or operating incorrectly, perform the following actions.

Procedure:

1. Power cycle the RSM and the paired Host Device.

2. Repeat the pairing process.

Chapter 3

Dual-Unit Charger

This chapter provides a brief overview about the WM800 RSM DUC, authorized battery and power supplies, and operating and charging procedures for the WM800 RSM DUC PMPN4652_.

For more information about WM800 RSM DUC PMPN4652_, refer to the following manuals:

● *MN009517A01: WM800 Dual-Unit Charger User Guide*

3.1

Charger Overview

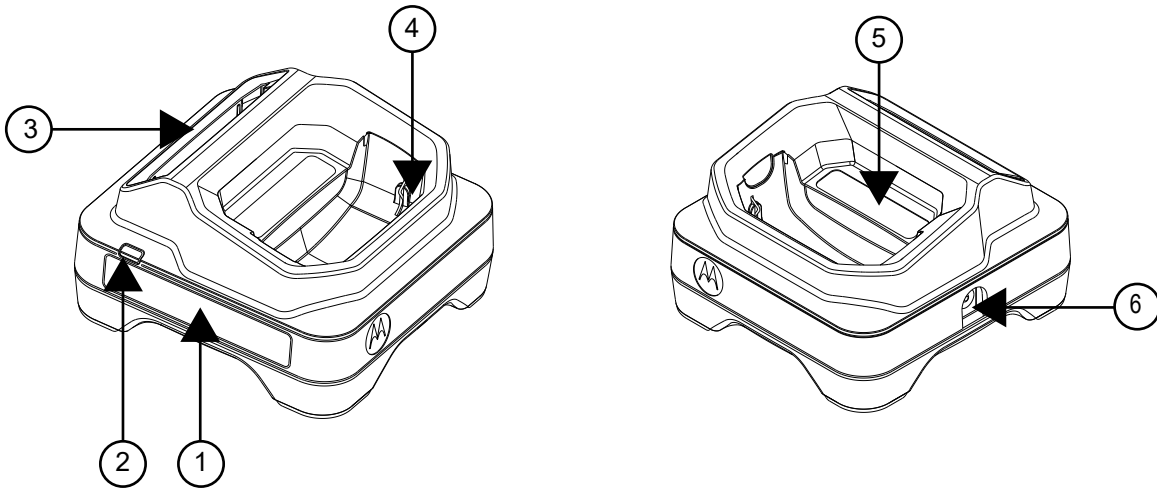The Dual-Unit Charger can charge the WM800 RSM with battery, a stand-alone battery, or both.

Table 16: WM800 Charger Overview

Item	Description
1	Charging Indicators Label
2	Charging Indicator for Battery
3	Battery charging pocket
4	RSM charging pocket
5	Battery Caution Label
6	Power supply input

3.2
Motorola Solutions Authorized Battery

Table 17: Motorola Solutions Authorized Battery

Kit (Part Number)	Description
PMNN4846_	Battery Pack, Lithium-Ion UL DIV2 IP68 2150T

3.3
Motorola Solutions Authorized Power Supplies

Table 18: Motorola Solutions Authorized Power Supplies

Power Supply	Description	Country Plug
PS000277A11	PS, Charger Switch Mode, 100–240 V	United States

3.4
Operating Instructions

The charger pockets accommodate WM800 RSM with an attached Motorola Solutions-approved battery or a Motorola Solutions-approved battery alone. Batteries charge best at room temperature.

Procedure:

1. Plug the charger end of the power supply cord into the power receptacle at the side of the charger.

2. Plug the wall receptacle end of the power supply cord into the appropriate AC outlet.

   A single green blink on the charger indicator indicates successful power-up sequence.

3. Insert the device with a battery or a stand-alone battery into the charger pocket.

   a. Align the WM800 RSM or battery contacts with the contacts in the charger pocket.

   b. Press the radio or battery into the pocket to ensure complete contact between charger and radio or battery contacts.
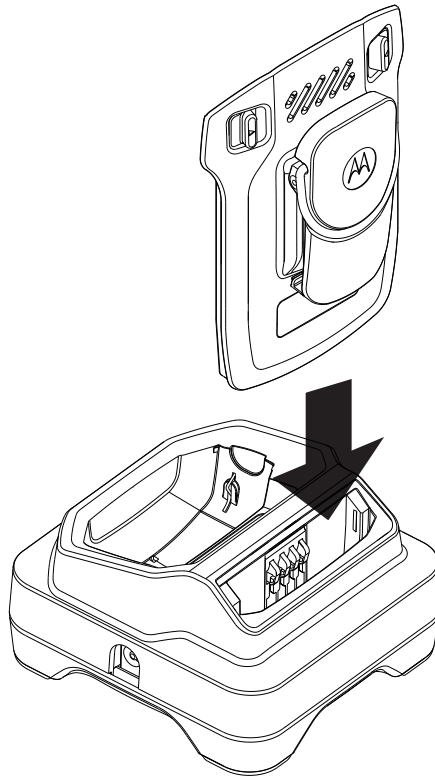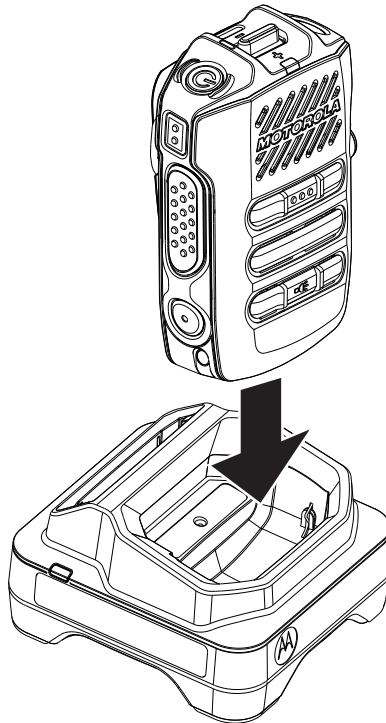
Figure 6: Charging Battery

Figure 7: Charging Device with Battery

3.4.1
Charging Indication

The following table is only applicable when a stand-alone battery is charged in the battery charging pocket. When charging the battery with device, refer to the display and the LED charging indicator of the device.

Table 19: Charging Indication

LED Indication	Description
Green for approximately one second	Successful charger power-up.
Blinking Amber	• Battery is in charger. • Battery is waiting to be charged. • Battery too hot or too cold
Blinking Red	• Battery is unchargeable or not making proper contact. • Under-Voltage Recovery Timeout(15 minutes) • Excessive power supply voltage • Thermistors short to ground
Steady Red	Battery in rapid charge mode.
Blinking Green	Battery is charged to 90 % or greater capacity.
Steady Green	Battery is fully charged.
Off	No battery in pocket.

3.4.2
Charging WM800 RSM with USB-C

You can also charge the WM800 RSM directly using a USB-C power cable.
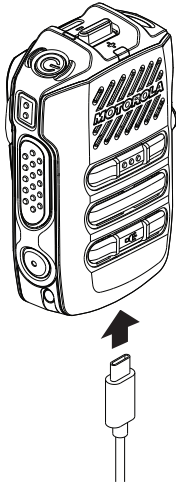
Procedure:

1. Align the USB-C port on the bottom part of the WM800 RSM with the charger end of the USB-C power cable.

2. Plug in the charger end of the USB-C power cable into the USB-C port.