



MOTOROLA Remote Speaker Microphone PMMN4127 User Guide

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MOTOROLA Remote Speaker Microphone PMMN4127



RSM Overview

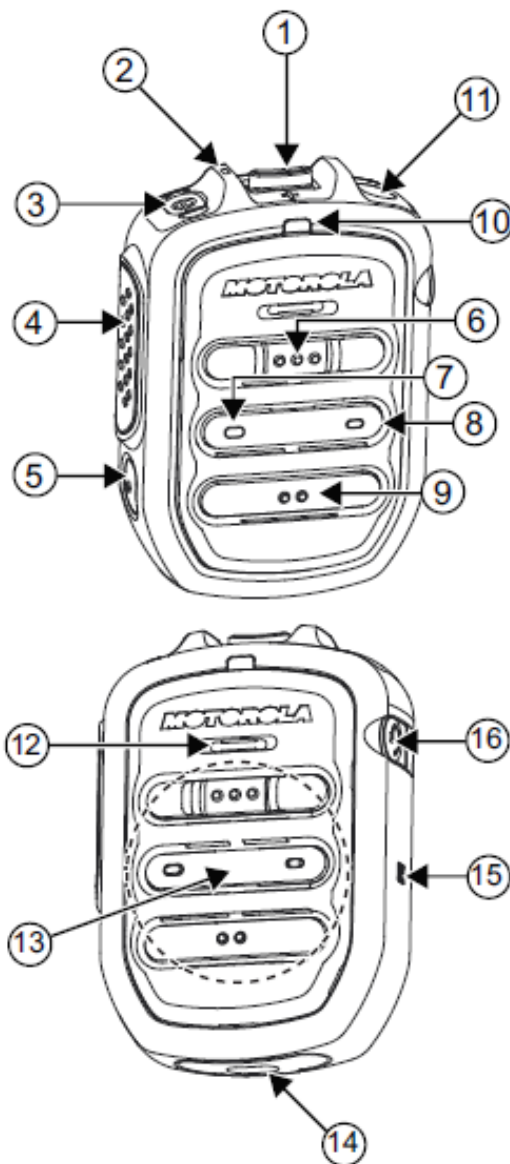


Table 1: RSM Overview and Description

No.	Description
1	Volume toggle
2	Power Indicator
3	Power button
4	Push-To-Talk (PTT) button (for group call)
5	Answer/End-Call button (for private call)
6	P1 Programmable button
7	Channel Down button
8	Channel Up button
9	P4 Programmable button
10	Audio/Bluetooth Indicator
11	Emergency button
12	Microphone
13	Speaker
14	Charging port
15	NFC Location

16	Audio jack
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Radio/Device Compatibility

- LEX Series
- SLN 1000
- TLK 100
- Other compatible non-Motorola Solutions devices

Table 2: Compatible Parts and Accessories

Part Number	Description
PMLN7560_	Receive-only earpiece with translucent tube
42009312001	Belt Clip
4205823V01	
CB000756A01	USB-C Cable (1 m)

- These accessories can be paired with a Kodiak Broadband PTT enabled device. Currently, the supported Kodiak feature is Operational Status Messaging (the additional features will be added in the future), please refer to your Kodiak User Guide for setup instructions.
- The MAC Address is located on top of the individual box and within the QR code behind the belt clip.
- Additional MAC Address labels are provided in the individual box.

Getting Started

Before you start, fully charge the RSM. To charge, connect the USB charging cable to the RSM and plug it to the USB power source.

Table 3: Charging Indicator Behavior

Power Indicator	Description
Blinking red	Battery is low
Solid red	Battery is charging
Solid green	Battery is fully charged
Blinking green	More than 90% charged
Rapid blinking red	Charging error

a. Charge the RSM immediately to prevent flatbattery condition. When RSM is not charging, read the following table to understand the indication.

Table 4: Battery Indication

Power Indication	Description
Rapid blinking red	Battery level is critically low
Blinking red	Battery level is low
Off	Battery is medium or high

a. Press the Power button to get the status.

Read the following table to understand the audio and Bluetooth status indication.

Table 5: Audio and Bluetooth Status

Audio/ Bluetooth Indication	Description
Blinking in blue	Enter pairing
Solid blue	Disconnected
Double blinking blue (Once)	Connected
Solid red	Mic muted
Blinking in red	Voice prompt/Tone mute
Blinking in green	Receiving incoming call

Short press the Power button to determine the details status of the RSM.

Table 6: Status Indication

Indicator	Status	Description
Audio/ Bluetooth	Double-blinking blue	Connected
Power	Double blinking green	Battery level is high
	Double-blinking amber	Battery level is medium

Table 7: WM500 RSM Button Operations

Button	State	Short Press	Long Press (>1.5 s)	Very Long Press (>3s)
Power	Off	N/A	Power On	Enter pairing
	On	RSM turns on	N/A	Power off
PTT	Connected	PTT for Kodiak Group Call		
	Not connected	Kodiak pairing	N/A	N/A
Power+PTT	Off	N/A	N/A	Power on and clear PDL
Power+Call button	On	N/A	N/A	Enter/Exit Dark Mode
Call Button	Not connected	Switches language	N/A	N/A
	Incoming call	Answer call	Reject call	N/A
	On call	Mic Mute	End call	N/A
Volume+	Connected	Volume increase by one step	Volume ramp up	
	Voice prompt/ Tone muted	Unmute voice prompt/Tone		

Pairing the RSM through Bluetooth

1. While RSM is power off, press and hold the Power button until you hear “Power On” followed by “Searching for Host”, and the blue LED blinks.
2. From the compatible device, search and select “WM500” from the Bluetooth list.
3. Once the devices are paired successfully, a tone is played.
4. A voice prompt from the RSM indicates that the device is “Connected”.
5. For iPhone, choose RSM from the Bluetooth list and pair again for second time.

Pairing the RSM through NFC

1. While RSM is power off, press and hold the Power button until you hear “Power On” followed by “Searching for Host”, and the blue LED blinks.
2. Align the NFC locations on both the RSM and the compatibles devices.
3. Check the compatible device for indication of successful pairing.

Unpairing the RSM

1. While RSM is power off, press and hold the Power button and PTT buttons. The blue LED blinks and a voice prompt from the RSM indicates that the paired device is “Cleared”.

Service and Warranty

Other than the clip, the RSM is not repairable. The RSM is covered under the standard Motorola Solutions one-year limited warranty.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or TV technician for help.

Notice to Users (FCC and Industry Canada)

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications made to this device, not expressly approved by Motorola Solutions, could void the authority of the user to operate this equipment.

Class B Digital Device

As a personal computer peripheral, this device complies with Part 15 of the FCC Rules. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Notice: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

RF Energy Exposure and Product Safety Guide for Portable Two-Way Radios

Before using this product, read the RF Energy Exposure and Product Safety Guide that ships with the radio which contains instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulation.

Acoustic Safety

Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect. To protect your hearing:

- Use the lowest volume necessary to do your job.
- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before connecting headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.
- If you experience hearing discomfort, ringing in your ears, or speeches that are muffled, you should stop listening to your radio through your headset or earpiece, and have your hearing checked by your doctor.

Important Information

- Do not charge your accessory in temperature below 0 °C (32 °F) or above 45 °C (113 °F). Do not store your accessory in direct sunlight or where expected temperatures can exceed this range such as inside a parked car.
- Storing your fully charged accessory in high temperature conditions may permanently reduce the life of the internal battery.
- Battery life may temporarily shorten in low temperature conditions.
- The Remote Speaker Microphone (RSM) should be stored between -10 °C (14 °F) and 30 °C (86 °F) to minimize battery permanent capacity loss.
- To prevent injury, do not disassemble, puncture, or crush the RSM because this action can cause the battery to shortcircuit.
- Do not expose or throw the RSM into heat or fire.
- Do not dispose the RSM into household waste.

- Do not fill the audio jack and USB charging port with water. If water enters the audio jack and/or USB charging port, remove water by shaking the RSM. Always cover the audio jack and USB charging port with a dust cap when not in use.

Notice: This device is intended for use in occupational/controlled conditions where users are aware of their exposure and can exercise control over their exposure to meet the requirements in national and international regulations. To ensure continued compliances with applicable RF exposure limits, use only Motorola Solutions approved, supplied or replacement antennas, batteries, and accessories. For more information on what RF energy exposure is, and how to control your exposure to ensure compliance with established RF exposure limits, consult the following websites:

- <https://www.fcc.gov/>
- <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11467.html>
- <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01904.html>
- <https://www.osha.gov/>
- <https://osha.europa.eu/en>
- <http://www.who.int/peh-emf/project/en/>

For additional user training information on exposure requirements, consult the following websites:

- https://www.motorolasolutions.com/en_us/about/company-overview/corporateresponsibility/governance-and-policies/wirelesscommunication-and-healthfaqs.html
- <http://learning.motorolasolutions.com/>

Warranty Exclusion

Motorola Solutions does not warrant the installation, maintenance or service of the Product, accessories, batteries or parts. Motorola Solutions will not be responsible in any way for problems or damage caused by any ancillary equipment or peripherals (specific examples include, but are not limited to: batteries, chargers, adapters, and power supplies) not furnished or manufactured by Motorola Solutions which is attached to or used in connection with the Product. When the Product is used in conjunction with ancillary or peripheral equipment not supplied by Motorola Solutions, Motorola Solutions does not warrant the operation of the Product/peripheral combination and Motorola Solutions will not honor any warranty claim where the Product is used in such a combination and it is determined by Motorola Solutions that there is no fault with the Product. Upon open or dismantle the Product, warranty is immediately voided. Motorola Solutions specifically disclaim any responsibility for any damage in any way caused by improper installation by un-authorized personnel.

Open Source Software Legal Notices

This product contains Open Source Software. For information regarding licenses, acknowledgments, required copyright notices, and other usage terms, visit <http://businessonline.motorolasolutions.com>. Go to Resource Center > Product Information > Manual > Accessories > Remote Speaker Microphones.

Refer to the Best Practices for Motorola Solutions' Law Enforcement RSM at: <https://www.youtube.com/watch?v=82Ovxql0Vco>

FCC ID: AZ489FT6023

IC: 109U-89FT6023

_Refer to manual MN006538A01 for other languages: <https://learning.motorolasolutions.com>

Responsible Party

Name: Motorola Solutions, Inc.

Address: 1303 East Algonquin Road,
Schaumburg, IL 60196-1078, U.S.A.

Phone Number: 1-800-927-2744


Hereby declares that the product:

Model Name: WM500











conforms to the following regulations:

FCC Part 15, subpart B, section 15.107(a),
15.107(d), and section 15.109(a)

Documents / Resources

	MOTOROLA Remote Speaker Microphone PMMN4127 [pdf] User Guide MOTOROLA, Remote, Speaker, Microphone, PMMN4127, MN006039A01-AF
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References

-  [Motorola Login](#)
-  [Motorola Solutions](#)
-  [\(\\$V>Main - English\)](#)
-  [RSS-102 — Radio Frequency \(RF\) Exposure Compliance of Radiocommunication Apparatus \(All Frequency Bands\)](#)
-  [Radiofrequency Energy and Safety](#)
-  [Federal Communications Commission | The United States of America](#)
-  [Mission Critical Communications - Motorola Solutions](#)
-  [Governance and Compliance - Motorola Solutions](#)
-  [Home | Occupational Safety and Health Administration](#)
-  [Best Practices for Motorola Solutions' Law Enforcement RSMs - YouTube](#)