

Motorola PMMN4024

Motorola Solutions PMMN4024A MotoTRBO Remote Speaker Microphone User Manual

Model: PMMN4024

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your Motorola Solutions PMMN4024A Remote Speaker Microphone. Designed for use with MotoTRBO radios, this accessory enhances communication by providing a convenient speaker and microphone unit that can be worn on the lapel or shoulder, allowing the radio to remain securely on the belt.

2. PRODUCT OVERVIEW

The PMMN4024A Remote Speaker Microphone (RSM) features an integrated speaker and microphone, a Push-to-Talk (PTT) button, and a coiled cord with an XLR-type connector for attachment to compatible Motorola MotoTRBO radios. Its robust design is suitable for various professional environments.



Figure 1: Motorola PMMN4024A Remote Speaker Microphone. The image displays the black remote speaker microphone with its speaker grille and microphone on the top, a side-mounted Push-to-Talk button, and a coiled cable extending from its base, terminating in a multi-pin connector.

3. SETUP

3.1 Connecting the RSM to your Radio

1. Ensure your MotoTRBO radio is turned off before connecting any accessories.
2. Locate the accessory connector port on the side of your radio.
3. Align the XLR-type connector of the PMMN4024A RSM with the radio's accessory port.
4. Gently push the connector into the port until it clicks securely into place. Do not force the connection.
5. Once connected, you may turn on your radio.

3.2 Wearing the RSM

- The RSM is designed to be worn on your lapel, shoulder, or collar using its integrated clip.
- Position the RSM so that the microphone is approximately 2-4 inches (5-10 cm) from your mouth for optimal voice pickup.
- Ensure the coiled cord is routed in a way that does not interfere with your movement or create a snagging hazard.

4. OPERATION

4.1 Transmitting (Push-to-Talk)

1. To transmit, press and hold the large Push-to-Talk (PTT) button located on the side of the RSM.
2. Speak clearly and directly into the microphone.
3. Release the PTT button when you have finished speaking to return to receive mode.

4.2 Receiving Audio

When the PTT button is not pressed, the RSM's integrated speaker will output incoming audio from your radio. Adjust the radio's volume control to your desired listening level.

5. MAINTENANCE

5.1 Cleaning

- Disconnect the RSM from the radio before cleaning.
- Wipe the exterior surfaces of the RSM with a soft, damp cloth.
- Do not use harsh chemicals, solvents, or abrasive cleaners.
- Ensure no moisture enters the speaker grille or microphone opening.

5.2 Storage

Store the RSM in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling the cable to prevent damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No audio from RSM speaker.	RSM not fully connected; Radio volume too low; Radio not powered on.	Ensure RSM connector is fully seated; Increase radio volume; Turn on radio.
Cannot transmit (PTT not working).	RSM not fully connected; Radio not in transmit mode; Faulty PTT button.	Ensure RSM connector is fully seated; Check radio status; Contact support if button is faulty.
Distorted or unclear audio.	Microphone too far/close; Environmental noise; Damaged cable.	Adjust microphone position; Move to quieter area; Inspect cable for damage.

If you experience issues not listed here or if the suggested solutions do not resolve the problem, please contact Motorola Solutions customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	PMMN4024
Manufacturer	Motorola Solutions
Item Weight	9.1 ounces (258 grams)
Product Dimensions (L x W x H)	10 x 9 x 4 inches (25.4 x 22.86 x 10.16 cm)
Connectivity Technology	XLR
Connector Type	XLR
Compatible Devices	MotoTRBO Radios (Speaker compatible)
Included Components	Microphone
Polar Pattern	Unidirectional
Microphone Form Factor	Handheld (Remote Speaker Microphone)
Power Source	Corded Electric (Powered by radio)
Signal-to-Noise Ratio	80 dB
Noise Level	80 dB

8. WARRANTY AND SUPPORT

For information regarding the warranty of your Motorola Solutions PMMN4024A Remote Speaker Microphone, please refer to the warranty documentation provided with your product or visit the official Motorola Solutions website. For technical support, service, or replacement parts, please contact Motorola Solutions customer service directly. You can find contact information and additional resources on the [Motorola Solutions official website](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question