

Motorola PMMN4013A

Motorola PMMN4013A Remote Speaker Microphone User Manual

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your Motorola PMMN4013A Remote Speaker Microphone. Designed for enhanced communication, this accessory offers convenience and durability in various operational environments. Please read this manual thoroughly before using the product.

2. PRODUCT OVERVIEW

The Motorola PMMN4013A is a compact remote speaker microphone engineered to improve communication efficiency with compatible two-way radios. Its robust design includes a revolutionary windporting feature that minimizes background noise in high winds and severe weather, ensuring clear audio transmission. The speaker grill allows audio to pass through even if the microphone port is obstructed by water.

Key Features:

- **Windporting Technology:** Reduces background noise for clear communication in challenging conditions.
- **Water-Resistant Speaker Grill:** Maintains audio clarity even when wet.
- **Push-To-Talk (PTT) Switch:** Conveniently located for easy activation of transmission.
- **Coiled Cord:** Provides flexibility and prevents tangling, allowing for comfortable use without removing the radio from a belt or case.
- **Swivel Clip:** Allows for 360-degree rotation, enabling attachment to lapels, pockets, or other gear for optimal positioning.
- **3.5mm Audio Jack:** For connecting an external earpiece (not included) for private listening.
- **Intrinsically Safe:** Designed for use in hazardous environments where sparks could ignite flammable gases or dust.



Figure 1: Motorola PMMN4013A Remote Speaker Microphone. This image displays the overall design of the microphone, including the speaker grill, PTT button, and coiled cord leading to the radio connector.

3. SETUP

Follow these steps to connect your remote speaker microphone to a compatible two-way radio:

1. Ensure your two-way radio is powered off before connecting any accessories.
2. Locate the accessory port on the side of your compatible Motorola two-way radio. This port is typically covered by a protective flap.
3. Align the two-pin connector of the PMMN4013A microphone with the radio's accessory port.

4. Gently insert the connector into the port until it is firmly seated. Some models may require screwing in a retaining screw for a secure connection.
5. Once connected, you can power on your radio. The audio will now be routed through the remote speaker microphone.



Figure 2: Side view of the Motorola PMMN4013A, highlighting the 3.5mm audio jack for external earpiece connection.

4. OPERATING INSTRUCTIONS

The PMMN4013A is designed for intuitive operation, allowing for hands-free communication when clipped to your attire.

4.1 Transmitting (Push-To-Talk):

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

4.2 Receiving Audio:

- Audio from your radio will be heard through the speaker on the front of the microphone when the PTT button is not pressed.
- Adjust the volume using your radio's volume control.

4.3 Using the Swivel Clip:

- The integrated swivel clip allows you to attach the microphone to your lapel, shirt pocket, or other gear.
- The clip rotates 360 degrees, providing flexibility to position the microphone for optimal comfort and audio pickup.

4.4 External Earpiece (Optional):

- For private listening, an external earpiece (with a 3.5mm connector) can be plugged into the audio jack on the side of the microphone.
- When an earpiece is connected, audio will be routed to the earpiece instead of the microphone's internal speaker.

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Video 1: Demonstration of the Motorola PMMN4013A Remote Speaker Microphone's features, including the Push-to-Talk button, rotatable clip, and 3.5mm audio jack. This video illustrates how the microphone functions and its compatibility with various two-way radios.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Motorola PMMN4013A Remote Speaker Microphone, follow these maintenance guidelines:

- **Cleaning:** Wipe the microphone's exterior with a soft, damp cloth. Avoid using harsh chemicals, solvents, or abrasive cleaners.
- **Storage:** Store the microphone in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cord Care:** Avoid excessive pulling or bending of the coiled cord to prevent internal wire damage.
- **Connector Protection:** Keep the two-pin connector clean and free of debris. Ensure the radio's accessory port cover is closed when the microphone is not connected to protect it from dust and moisture.

6. TROUBLESHOOTING

If you encounter issues with your Motorola PMMN4013A Remote Speaker Microphone, consider the following:

- **No Audio from Speaker:**
 - Ensure the microphone is securely connected to the radio.
 - Check the radio's volume level.

- If an external earpiece is connected, ensure it is functioning correctly and properly inserted into the 3.5mm jack.
- Verify the radio itself is receiving transmissions.

- **Unclear Transmission:**

- Ensure you are speaking directly into the microphone grill.
- Check for any obstructions on the microphone grill.
- Confirm the PTT button is fully pressed during transmission.
- Move to an area with less background noise if possible, leveraging the windporting feature.

- **Intermittent Connection:**

- Inspect the coiled cord for any visible damage or kinks.
- Ensure the connector pins are clean and not bent.
- Re-seat the connector firmly into the radio's port.

7. SPECIFICATIONS

Feature	Detail
Model Number	PMMN4013A
Item Weight	6.1 ounces (173 grams)
Product Dimensions (L x W x H)	8 x 3.5 x 2 inches (20.3 x 8.9 x 5.1 cm)
Microphone Form Factor	Mini
Material	Plastic
Connectivity Technology	Wired
Connector Type	3.5 mm Jack (for earpiece)
Special Feature	Intrinsically Safe, Windporting
Color	Black
Included Components	Belt clip, User Manual

7.1 Compatible Devices:

- BPR40
- CP100, CP150, CP200, CP200-XLS, CP200D
- CT150, CT250, CT450, CT450-LS
- DTR410, DTR550, DTR650
- GTX Privacy Plus
- PR400
- SP50, SP50+
- VL50

Video 2: A user demonstrates the connection of a Motorola speaker microphone to a Motorola radio, highlighting the ease of use and the benefits of hands-free communication in various environments.

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Video 3: This video showcases the Motorola speaker microphone, emphasizing its robust build and the convenience it offers for two-way radio users, particularly in demanding work settings.

8. WARRANTY AND SUPPORT

The Motorola PMMN4013A Remote Speaker Microphone comes with a **One Year Replacement Warranty** through Motorola. For warranty claims or technical support, please refer to the contact information provided with your product packaging or visit the official Motorola support 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.

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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