Motorola PMMN4029A

Motorola PMMN4029A IP57 Submersible Speaker Microphone User Manual

Model: PMMN4029A

Introduction

This manual provides essential instructions for the proper use and maintenance of your Motorola PMMN4029A IP57 Submersible Speaker Microphone. This accessory is designed to enhance communication for users of compatible Motorola 2-pin radios, offering durability and clear audio in various environments.

Product Overview

Figure 1: Motorola PMMN4029A Speaker Microphone. This image shows the black handheld speaker microphone with its coiled cord and 2-pin connector.

The Motorola PMMN4029A is an original equipment manufacturer (OEM) remote speaker microphone featuring an IP57 rating for submersion protection. It includes a coiled cord and a 2-pin connector for compatibility with specific Motorola two-way radios. The microphone is designed for intrinsic safety (FM) and provides unidirectional audio capture.

Setup and Connection

To connect the PMMN4029A Speaker Microphone to your compatible Motorola 2-pin radio:

1. Ensure your radio is powered off before connecting any accessories.
2. Locate the accessory port on the side of your Motorola radio. This port typically has two pin receptacles.
3. Align the 2-pin connector of the PMMN4029A speaker microphone with the radio's accessory port.
4. **Firmly** press the connector into the port until it clicks into place and is securely seated. A secure connection is crucial for proper operation and to maintain the IP57 rating.
5. Once connected, you may power on your radio.

Note: *An improperly seated connector can lead to intermittent audio, communication issues, or compromise the device's water resistance.*

Operating Instructions

The PMMN4029A Speaker Microphone simplifies radio communication by bringing the microphone and speaker closer to the user, often clipped to clothing for easy access.

- **Listening:** Audio from the radio will be routed through the speaker on the PMMN4029A. Ensure the speaker grille is not obstructed for clear sound.
- **Transmitting (Push-to-Talk - PTT):** To speak, press and hold the Push-to-Talk (PTT) button located on the side of the speaker microphone. Speak clearly into the microphone grille. Release the PTT button to return to receive mode.
- **Microphone Placement:** For optimal voice clarity, hold the speaker microphone approximately 2-5 cm (1-2 inches) from your mouth when transmitting.

Care and Maintenance

Proper care ensures the longevity and performance of your speaker microphone.

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the microphone. Do not use harsh chemicals, solvents, or abrasive cleaners. Ensure the device is dry before use.
- **Water Resistance (IP57):** The PMMN4029A is rated IP57, meaning it is protected from dust ingress and can withstand immersion in water up to 1 meter for 30 minutes. Ensure the connector is properly sealed to the radio to maintain this rating. Do not intentionally submerge the device beyond its specified limits.
- **Storage:** Store the speaker microphone in a clean, dry environment away from extreme temperatures and direct sunlight. Avoid tightly coiling the cord to prevent damage.
- **Inspection:** Periodically inspect the cord and connector for any signs of wear, cuts, or damage. If damage is observed, discontinue use and seek replacement.

Troubleshooting

Problem	Possible Cause	Solution
No audio from speaker microphone.	• Connector not fully seated. • Radio volume too low. • Microphone or radio malfunction.	• Ensure the 2-pin connector is firmly pressed into the radio's port. • Increase the radio's volume. • Test with another accessory or radio if available.

Problem	Possible Cause	Solution
Cannot transmit (PTT button unresponsive).	• Connector not fully seated. • PTT button damage.	• Ensure the 2-pin connector is firmly pressed into the radio's port. • Inspect the PTT button for physical damage.
Intermittent audio or crackling sounds.	• Loose connection. • Damaged cable or connector. • Radio interference.	• Re-seat the connector firmly. • Inspect the cable and connector for damage. • Move away from potential sources of electromagnetic interference.

Specifications

Model: PMMN4029A

Brand: Motorola

Type: Remote Speaker Microphone

Connectivity: 2-Pin Connector

Water Resistance: IP57 (Submersible up to 1 meter for 30 minutes)

Intrinsic Safety: FM Approved

Microphone Type: Unidirectional

Power Source: Corded Electric (via radio)

Color: Black

Dimensions (Product): Approximately 3 x 8 x 3 inches

Weight: Approximately 0.16 ounces (4.5 grams)

Compatible Radios: Motorola CP200, CP200D, and other compatible 2-pin Motorola radios.

Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your Motorola radio or visit the official Motorola support website. Keep your purchase receipt as proof of purchase for warranty claims.
You can visit the Motorola Store for additional product information and support:Motorola Store on Amazon

© 2023 Motorola. All rights reserved.

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