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> Motorola PMMN4025 Remote Speaker Microphone User Manual

Motorola PMMN4025

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Instruction Manual

1. PRODUCT OVERVIEW

The Motorola PMMN4025A is an original Motorola remote speaker microphone designed to enhance communication for users of compatible two-way radios. It features revolutionary Windporting technology to reduce background noise in challenging environments and the IMPRES Smart Audio System for optimal audio performance and enhanced gain. This microphone includes an audio jack for connecting an earpiece, allowing for clear and discreet audio reception.



Figure 1: Motorola PMMN4025 Remote Speaker Microphone, showing the main unit with speaker and microphone, coiled cable, and radio connector.

2. KEY FEATURES

- **3.5mm Audio Jack:** For connecting a receive-only earpiece, enabling private listening.
- **Windporting Audio Technology:** Significantly reduces background noise from high winds and other severe weather conditions, ensuring clearer communication.
- **IMPRES Smart Audio System:** Provides optimal audio performance and enhanced audio gain capability.
- **Integrated Mic Clip:** Allows for convenient attachment to clothing or gear.
- **Durable Design:** Built to withstand demanding operational environments.
- **Wide Compatibility:** Compatible with various MOTOTRBO XPR6000 series, XPR7000 series, APX2000, APX4000, APX8000H, DGP5050E, DP3400, DP3600, DP4400, DP4600, DP4800, GP328, GP338, GP5050, GP5550, GP8050, GP8550, HT750, HT1250LS, HT1550, MTX8250, MTX850, MTX9250, MTX950, PR860, XIRP8600 radio models.

3. SETUP AND INSTALLATION

1. Connecting to your Radio:

Align the multi-pin connector of the PMMN4025 remote speaker microphone with the accessory port on the side of your compatible Motorola radio. Gently push the connector into the port until it is fully seated. Secure the connection by screwing the retaining screw clockwise until it is finger-tight. Do not overtighten.



Figure 2: Close-up view of the multi-pin connector for attaching to the radio.

2. Attaching the Microphone:

The PMMN4025 features a sturdy clip on its backside. This clip allows you to securely attach the microphone to your uniform, lapel, belt, or other convenient location, keeping it easily accessible for communication.



Figure 3: Rear view of the microphone, highlighting the integrated clip for attachment.

3. Connecting an Earpiece (Optional):

For discreet listening, plug a compatible 3.5mm receive-only earpiece into the audio jack located on the side of the microphone unit.

4. OPERATING INSTRUCTIONS

- **Transmitting:** To transmit, press and hold the Push-To-Talk (PTT) button located on the side of the microphone. Speak clearly into the microphone, holding it approximately 1-2 inches from your mouth. Release the PTT button when you have finished speaking.
- **Receiving:** Audio will be heard through the speaker on the microphone. If an earpiece is connected, audio will be routed to the earpiece for private listening.
- **Volume Control:** Adjust the volume directly on your connected Motorola radio. The PMMN4025 does not have independent volume controls.

5. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the microphone. Do not use harsh chemicals or abrasive cleaners. Ensure the microphone and audio jack are dry before use.
- **Storage:** Store the microphone in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Care:** Avoid sharp bends or excessive pulling on the coiled cable to prevent internal damage.

6. TROUBLESHOOTING

- **No Audio from Microphone:**
 - Ensure the microphone connector is fully seated and the retaining screw is tightened on the radio.
 - Verify that the radio is powered on and functioning correctly.
 - Check if an earpiece is connected; if so, ensure it is properly plugged in and functional.
- **Poor Audio Quality:**

- Ensure the microphone is held at the recommended distance (1-2 inches) from your mouth during transmission.
 - Check for any obstructions covering the microphone grille.
 - Confirm that the radio's volume is set appropriately.
 - If using an earpiece, ensure it is clean and functioning correctly.
- **Microphone Not Transmitting:**
 - Ensure the PTT button is fully depressed when attempting to transmit.
 - Verify that the radio is in a transmit-enabled mode.

If issues persist, consult your Motorola radio's user manual or contact Motorola customer support.

7. SPECIFICATIONS

Attribute	Detail
Model Name	PMMN4025
Brand	Motorola
Item Weight	3.84 ounces (0.24 Pounds)
Product Dimensions (L x W x H)	7.99 x 3.5 x 2.01 inches
Microphone Form Factor	Lavalier
Power Source	Corded Electric
Signal-to-Noise Ratio	78 dB
Noise Level	22 dB
Connector Type	3.5 mm Jack (for earpiece)
Connectivity Technology	Auxiliary
Color	Black
Polar Pattern	Unidirectional
Included Components	Warranty Card

8. WARRANTY AND SUPPORT

The Motorola PMMN4025 Remote Speaker Microphone comes with a **1-Year Manufacturer Warranty**. Please refer to the included warranty card for detailed terms and conditions.

For technical support, service, or warranty claims, please contact Motorola customer support or visit the official Motorola website for assistance. Keep your purchase receipt and warranty card as proof of purchase.

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