Rode M2

Rode M2 Handheld Condenser Microphone Instruction Manual

Model: M2

1. Introduction

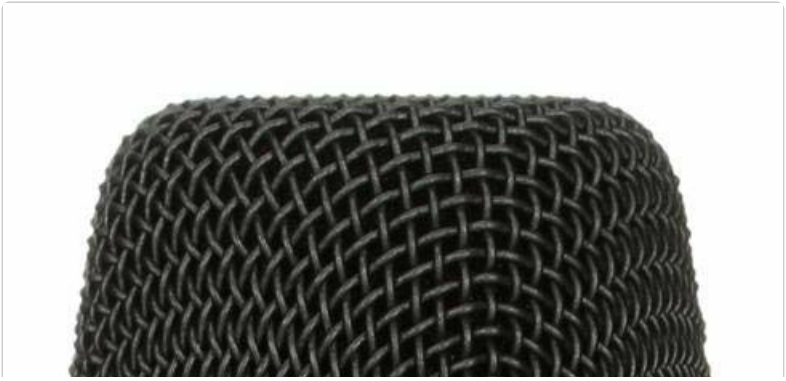
Thank you for choosing the Rode M2 Handheld Condenser Microphone. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your microphone. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

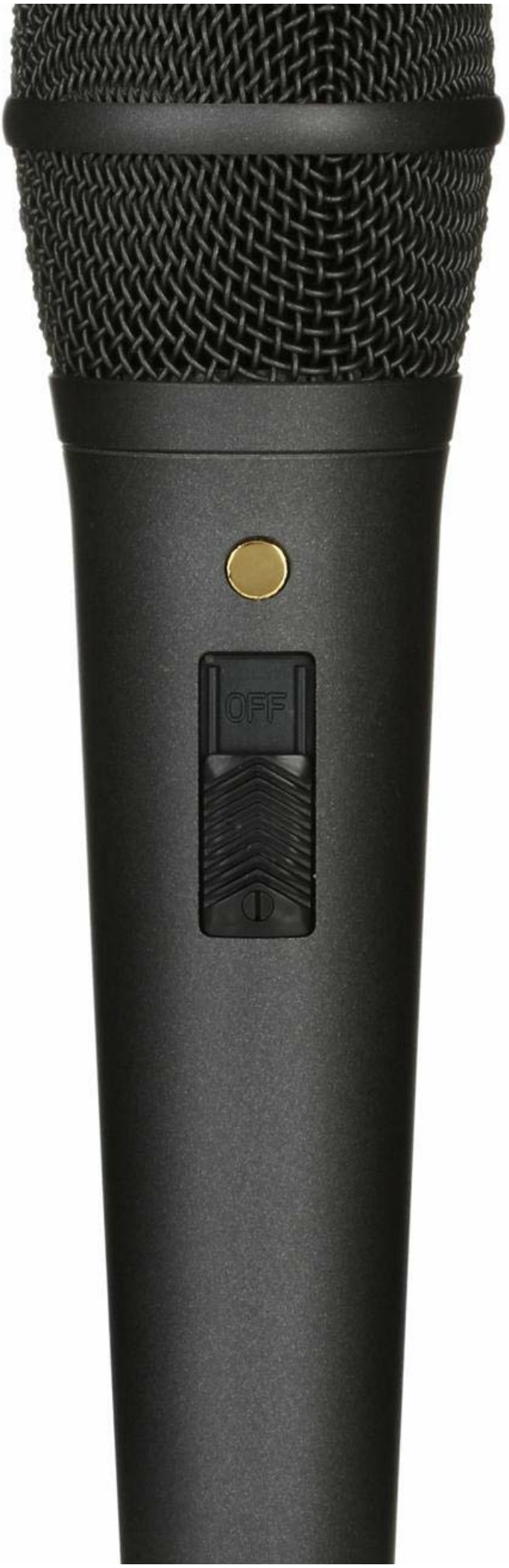
2. Product Overview

The Rode M2 is a high-performance handheld condenser microphone designed for live vocal applications. It combines the clarity and detail of a condenser microphone with the robust construction and feedback resistance typically found in dynamic microphones.

Key Features:

- Live condenser vocal microphone
- Locking on/off switch
- Heavy-duty metal body construction
- Feedback-rejecting super-cardioid pickup pattern
- High level of RF rejection

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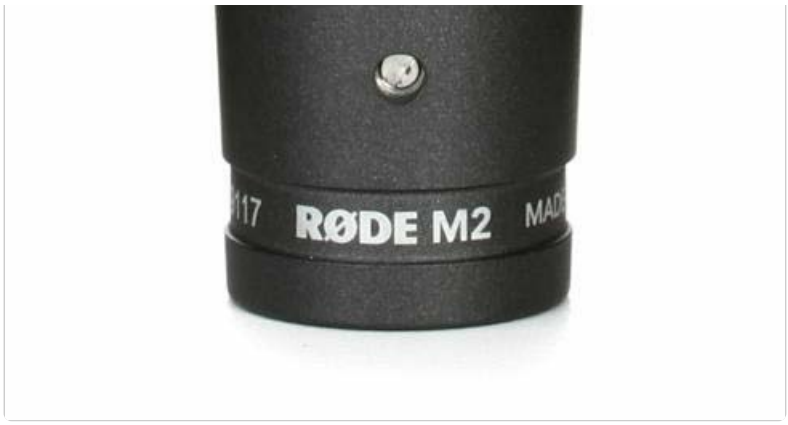

Figure 1: The Rode M2 Handheld Condenser Microphone. This image displays the microphone's sleek black design and robust metal body, highlighting its professional appearance.

3. Setup

3.1 Power Requirements

The Rode M2 is a condenser microphone and requires **phantom power** (24V or 48V) to operate. Ensure your mixer, audio interface, or preamplifier provides phantom power before connecting the microphone.

3.2 Connecting the Microphone

1. Connect a standard **XLR cable** (3-pin male to 3-pin female) to the microphone's output connector.
2. Connect the other end of the XLR cable to an input on your mixer or audio interface that supports phantom power.
3. Secure the microphone in the provided mic clip or a compatible stand.

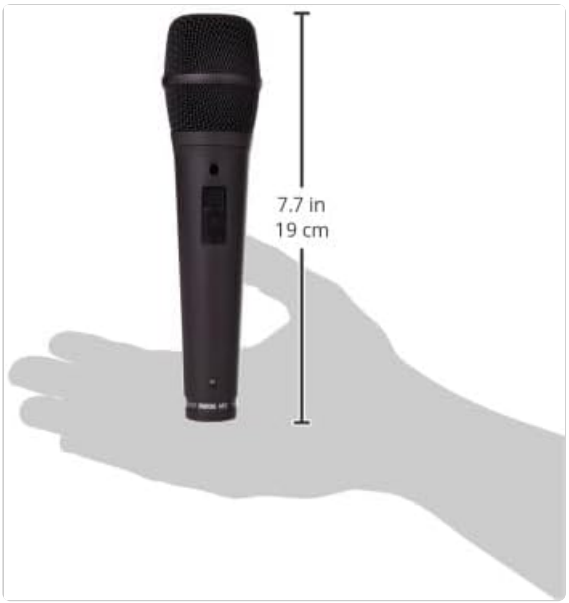

Figure 2: Dimensions of the Rode M2 microphone. The image shows the microphone's length as approximately 7.7 inches (19 cm), providing a visual reference for its size.

4. Operating the Microphone

4.1 On/Off Switch

The M2 features a locking on/off switch located on the microphone body. To activate or deactivate the microphone, slide the switch. Note that the switch may be stiff, requiring firm but careful pressure to move

it between positions. This design helps prevent accidental changes during performance.

4.2 Polar Pattern

The M2 utilizes a **super-cardioid polar pattern**. This pattern is highly directional, providing excellent rejection of sounds from the sides and rear of the microphone. This characteristic is beneficial for minimizing feedback in live sound environments and isolating the desired sound source.

4.3 Gain Settings and Placement

- Start with your audio interface or mixer's gain setting around **60-70%**. Adjust as needed to achieve a strong signal without clipping.
- For vocal applications, hold the microphone close to the mouth. The super-cardioid pattern works best when the sound source is directly in front of the capsule.
- To minimize plosive sounds (e.g., 'P' and 'B' sounds), try speaking slightly off-axis into the microphone or use an external pop filter.

5. Maintenance

- Keep the microphone clean by wiping it with a soft, dry cloth.
- Avoid exposing the microphone to excessive moisture, dust, or extreme temperatures.
- Store the microphone in its protective pouch or case when not in use to prevent damage.
- Do not attempt to disassemble the microphone, as this may void your warranty.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound output	◦ Phantom power not engaged. ◦ Faulty XLR cable. ◦ Microphone switch is OFF.	◦ Activate phantom power on your mixer/interface. ◦ Test with a known good XLR cable. ◦ Ensure the microphone switch is in the ON position.
Low output level	◦ Insufficient gain on mixer/interface. ◦ Microphone too far from sound source.	◦ Increase input gain on your mixer/interface. ◦ Position the microphone closer to the sound source.
Feedback or unwanted noise	◦ Microphone pointed towards speakers. ◦ Excessive gain. ◦ Ambient room noise.	◦ Reposition microphone away from monitors/speakers. ◦ Reduce gain. ◦ Utilize the super-cardioid pattern by ensuring the sound source is directly in front.
On/Off switch is difficult to operate	◦ Designed for firm operation to prevent accidental changes.	◦ Apply firm, steady pressure to slide the switch. Avoid forcing it.

7. Specifications

Microphone Form Factor	Microphone Only
Dimensions (L x W x H)	11 x 2 x 5 inches
Item Weight	1.2 pounds
Power Source	Corded Electric (requires Phantom Power)
Material	Metal
Signal-to-Noise Ratio	71 dB
Frequency Response	20 Hz - 20 KHz
Impedance	50 Ohms
Polar Pattern	Super Cardioid
Connectivity Technology	Wired
Connector Type	XLR
Model Number	M2

8. Warranty and Support

Rode Microphones offers a comprehensive warranty for its products. Upon registration of your Rode M2 microphone on the official Rode website, the warranty period may be extended to **10 years**. Please visit the official Rode website for detailed warranty terms and conditions.
For technical support, service, or further inquiries, please contact Rode customer service through their official website or authorized distributors.
Official Website: www.rode.com