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Peavey DM2

Peavey DM2 Dynamic Super-Cardioid Microphone

USER MANUAL

Introduction

Thank you for choosing the Peavey DM2 Dynamic Super-Cardioid Microphone. This microphone is engineered for clear vocal and instrument reproduction in various live and studio environments. Its super-cardioid polar pattern provides excellent off-axis rejection, minimizing feedback and isolating the sound source. This manual provides essential information for the proper setup, operation, and maintenance of your DM2 microphone.

Package Contents

Please inspect the package to ensure all items are present and in good condition.

- Peavey DM2 Dynamic Super-Cardioid Microphone

Product Overview

The Peavey DM2 is a robust dynamic microphone designed for professional audio applications. Its super-cardioid pickup pattern focuses on the sound source directly in front of the microphone, reducing unwanted ambient noise and improving clarity. This makes it ideal for live vocals, instruments, and other sound reinforcement needs.



Figure 1: Front view of the Peavey DM2 microphone, showing the grille and body.

Key Features:

- **Dynamic Microphone Type:** Durable and reliable for various applications.
- **Super-Cardioid Polar Pattern:** Excellent rejection of off-axis sound, minimizing feedback and background noise.
- **Wide Frequency Response:** Captures a broad range of audio, from 80Hz to 18000Hz.
- **High Sensitivity:** $-54 \pm 2\text{dBV/Pa}$ for clear signal capture.
- **Low Rated Impedance:** 200 ohm, compatible with most professional audio equipment.
- **XLR Connector:** Standard 3-pin male XLR type for secure and balanced connections.





Figure 2: Angled view of the Peavey DM2 microphone, highlighting its ergonomic design.





Figure 3: Top-down view of the Peavey DM2 microphone, showing the grille pattern.

Setup

1. **Connect to a Microphone Stand:** Securely attach the Peavey DM2 microphone to a standard microphone stand using a compatible microphone clip (not included). Ensure the microphone is stable and positioned correctly for your application.
2. **Connect XLR Cable:** Insert a standard 3-pin male XLR cable into the XLR connector at the base of the microphone. Ensure the connection is firm.
3. **Connect to Audio Equipment:** Connect the other end of the XLR cable to a microphone input on your mixer, audio interface, or amplifier. Ensure the input is designed for dynamic microphones and adjust gain levels appropriately.
4. **Power On:** Power on your audio equipment. The DM2 is a passive dynamic microphone and does not require phantom power.

Operating Instructions

- **Microphone Placement:** For vocals, position the microphone 2-6 inches from the sound source. For instruments, experiment with placement to achieve the desired tone. The super-cardioid pattern means the microphone is most sensitive directly in front of the grille.
- **Gain Staging:** Adjust the gain (input level) on your mixer or audio interface to achieve a strong signal without clipping (distortion). Start with the gain low and gradually increase it while speaking or playing into the microphone.
- **Proximity Effect:** The DM2 exhibits a proximity effect, meaning bass response increases as the microphone is moved closer to the sound source. Use this to your advantage for warmer vocals or to reduce it by increasing distance.
- **Feedback Prevention:** Due to its super-cardioid pattern, the DM2 offers good feedback rejection. However, always aim the microphone away from loudspeakers and monitors to minimize the chance of feedback.
- **Handling Noise:** While designed to minimize handling noise, using a microphone clip and stand is recommended for optimal performance and to reduce unwanted sounds from hand movements.

Maintenance

- **Cleaning:** Use a soft, dry cloth to wipe the microphone body. For the grille, a soft brush can be used to gently remove dust or debris. Do not use liquid cleaners directly on the microphone.
- **Storage:** When not in use, store the microphone in a protective case or bag to prevent dust accumulation and physical damage. Avoid exposing the microphone to extreme temperatures or high humidity.
- **Cable Care:** Always coil XLR cables properly to prevent kinks and damage to the internal wiring. Avoid pulling cables by the connector.

Troubleshooting

- **No Sound:**
 - Ensure all cables are securely connected.
 - Check the gain level on your mixer/interface.
 - Verify that the correct input is selected on your audio equipment.
 - Test with a different XLR cable or input channel if possible.
- **Poor Sound Quality / Distortion:**
 - Reduce the gain level on your mixer/interface if the signal is clipping.
 - Ensure the microphone is not too close to the sound source, causing excessive proximity effect or overloading.
 - Check for damaged cables.
- **Feedback:**
 - Reposition the microphone further away from loudspeakers or monitors.
 - Reduce the overall volume or specific frequency ranges causing feedback on your mixer.
 - Ensure the microphone is pointed away from sound sources that could cause feedback.

Specifications

Feature	Specification
Microphone Type	Dynamic
Polar Pattern	Super-Cardioid
Frequency Response	80 Hz - 18,000 Hz
Sensitivity	-54 ± 2 dBV/Pa
Rated Impedance	200 Ohms
Max. SPL	144 dB
Connector Type	3-Pin Male XLR
Dimensions (H x W x D)	127mm x 65mm x 60mm (approx. 5 x 2.5 x 2.3 inches)
Net Weight	200g (approx. 7.1 ounces)

Feature	Specification
Manufacturer	Peavey
Model Number	DM2
UPC	014367157956
Connectivity Technology	XLR
Compatible Devices	Speaker (and other audio equipment with XLR input)

Warranty and Support

For information regarding warranty coverage, technical support, or service, please refer to the official Peavey website or contact your authorized Peavey dealer. Keep your purchase receipt as proof of purchase for any warranty claims.

Peavey Official Website: www.peavey.com