MXL MXLV69MEDT

MXL V69M EDT MOGAMI Edition Large Diaphragm Tube Condenser Microphone User Manual

Model: MXLV69MEDT

INTRODUCTION

The MXL V69M EDT is a large-diaphragm tube condenser microphone designed for professional audio recording. This microphone system is engineered to capture detailed and warm audio, making it suitable for various vocal and instrument applications. It features a robust construction and includes high-quality Mogami cabling for optimal signal integrity.

PACKAGE CONTENTS

Verify that all the following items are included in your MXL V69M EDT package:

- MXL V69M EDT Large Diaphragm Tube Condenser Microphone
- External Power Supply Unit
- Mogami XLR Cable
- Mogami Tube Cable (multi-pin)
- Shockmount
- Windscreen
- Hard Case

SETUP INSTRUCTIONS

Follow these steps to properly set up your MXL V69M EDT microphone system:

1. **Mount the Microphone:** Secure the MXL V69M EDT microphone into the provided shockmount. Ensure the microphone is firmly seated to prevent accidental drops. For optimal performance and to manage heat dissipation, it is recommended to suspend the microphone upside down in the shockmount.

MXL
V69

Image: The MXL V69M EDT microphone, black with gold accents, mounted in its shockmount. This illustrates the recommended upside-down orientation for heat management.

2. **Connect the Tube Cable:** Connect the multi-pin Mogami tube cable from the microphone to the dedicated input on the external power supply unit. Ensure the connection is secure.

3. **Connect the XLR Cable:** Connect one end of the Mogami XLR cable to the XLR output on the external power supply unit. Connect the other end of the XLR cable to an available XLR input on your audio interface, mixer, or preamplifier.

4. **Connect Power:** Plug the external power supply unit into a suitable AC power outlet.

5. **Power On and Warm-up:** Turn on the power supply unit. Allow the microphone approximately 10-15 minutes to warm up. Tube microphones require this warm-up period to reach their optimal operating temperature and achieve their intended sonic characteristics.

OPERATION

The MXL V69M EDT features a cardioid polar pattern, making it highly directional and effective at rejecting sounds from the rear. This is ideal for isolating sound sources in a studio environment.

- **Microphone Placement:** Position the microphone approximately 6-12 inches from the sound source for most vocal and instrument recordings. Experiment with distance and angle to achieve the desired tone and minimize proximity effect (an increase in bass response when close to the microphone).

- **Gain Staging:** Adjust the input gain on your audio interface or preamplifier to achieve a healthy signal level without clipping. The V69M EDT is designed to handle a wide dynamic range.

- **Windscreen Usage:** Use the included windscreen when recording vocals to reduce plosive sounds (harsh 'p' and 'b' sounds) and protect the capsule from moisture.

- **Self-Attenuating Circuit:** The microphone incorporates a self-attenuating circuit designed to reduce harsh, unwanted overtones at the source, contributing to a smoother and more refined sound.

Your browser does not support the video tag.

Video: An overview of the MXL V69M EDT MOGAMI Edition Large Diaphragm Tube Condenser Microphone, demonstrating its features and potential applications in a studio setting.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your microphone:

- **Cleaning:** Use a soft, dry cloth to clean the microphone body and power supply. Avoid using liquid cleaners or solvents, as these can damage the finish or internal components.

- **Storage:** When not in use, store the microphone in its hard case to protect it from dust, moisture, and physical damage.

- **Tube Replacement:** The vacuum tube inside the microphone has a finite lifespan. If you notice a degradation in sound quality or increased noise over time, the tube may need replacement. Consult a qualified technician for tube replacement to ensure proper handling and calibration.

- **Cable Care:** Handle the Mogami cables with care. Avoid sharp bends or kinks, and store them neatly to prevent damage to the connectors or internal wiring.

TROUBLESHOOTING

If you encounter issues with your MXL V69M EDT, refer to the following common troubleshooting steps:

- **No Sound Output:**
  - Ensure the power supply unit is plugged in and turned on.
  - Verify all cables (tube cable, XLR cable, power cable) are securely connected.
  - Check the input gain on your audio interface/preamplifier.
  - Allow sufficient warm-up time for the tube.

- **Excessive Noise or Hum:**
  - Ensure all cable connections are secure and free from damage.
  - Test with different XLR cables to rule out a faulty cable.
  - Check for ground loops or interference from other electronic devices. Try plugging the power supply into a different outlet or a power conditioner.
  - A worn-out tube can introduce noise; consider professional inspection if the issue persists.

- **Poor Sound Quality:**
  - Ensure the microphone is correctly positioned relative to the sound source.
  - Verify that the microphone has warmed up completely.
  - Check for any damage to the microphone capsule or grill.

If these steps do not resolve the issue, contact MXL customer support or a qualified audio technician.

SPECIFICATIONS

Model	MXLV69MEDT
Microphone Type	Large Diaphragm Tube Condenser
Polar Pattern	Unidirectional (Cardioid)
Frequency Response	15 KHz
Audio Sensitivity	54 Decibels
Impedance	200 Ohms
Signal-to-Noise Ratio	72 dB
Power Source	External Power Supply
Connectivity Technology	XLR
Material	Aluminum
Dimensions (Microphone)	47mm x 218mm (1.85 in. x 8.58 in.)
Item Weight (Total System)	10.3 Pounds
Manufacturer	Marshall Electronics

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official MXL website. For technical support, product inquiries, or service, please contact MXL customer support through their official channels.

Note: Unauthorized service or modification of the microphone may void your warranty.