

BOYA BY-M4OD

BOYA BY-M4OD Omnidirectional Lavalier Microphone Instruction Manual

MODEL: BY-M4OD

1. Introduction

Thank you for choosing the BOYA BY-M4OD Omnidirectional Lavalier Microphone. This professional clip-on condenser microphone is designed to deliver high-quality audio for various applications, including video production, interviews, presentations, and more. Its omnidirectional polar pattern ensures comprehensive sound pickup from all directions. This manual provides essential information for the proper setup, operation, and maintenance of your BY-M4OD microphone.

2. Product Overview

The BOYA BY-M4OD is engineered for compatibility with digital SLR cameras, camcorders, and portable audio recorders. Its compact design and included accessories make it suitable for discreet placement and reliable performance.

2.1 What's in the Box

- BOYA BY-M4OD Microphone Unit
- Lavalier Microphone with Cable
- Lapel Clip
- Foam Windscreen

2.2 Components Diagram



Image 1: Overview of the BOYA BY-M4OD microphone and its included accessories, showing the main cylindrical unit, the small lavalier microphone head with its cable, a metal lapel clip, and a black foam windscreen.



Image 2: Detailed view of the BOYA BY-M4OD main unit, displaying the brand name and model number, with the small lavalier microphone head connected via its thin cable.

3. Setup

1. **Attach the Foam Windscreen:** Gently slide the foam windscreen over the lavalier microphone head. This helps to reduce plosive sounds and wind noise.
2. **Attach the Lapel Clip:** Secure the lavalier microphone head to the lapel clip. Ensure the microphone is firmly seated in the clip.
3. **Connect to Device:** Plug the 3.5mm jack connector from the microphone unit into the microphone input port of your digital SLR camera, camcorder, or audio recorder. Ensure the connection is secure.
4. **Mount the Microphone:** Use the lapel clip to attach the microphone to clothing, approximately 6-8 inches (15-20 cm) from the speaker's mouth for optimal sound capture. Position the microphone to face the sound source.



Image 3: Example of the lavalier microphone correctly clipped onto a jacket, demonstrating typical placement for recording.

4. Operating Instructions

- **Microphone Placement:** For best results, place the microphone on the subject's clothing, such as a lapel or collar, ensuring it is not obstructed by fabric or jewelry. The omnidirectional pattern allows for flexibility in placement.
- **Monitor Audio:** Always monitor your audio using headphones connected to your recording device to ensure proper levels and clarity.
- **Test Recording:** Before a critical recording session, perform a short test recording to verify that the microphone is functioning correctly and that audio levels are appropriate.
- **Cable Management:** Route the microphone cable discreetly to avoid tangles or accidental disconnections during recording.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphone unit and cable. Do not use liquid cleaners or solvents. The foam windscreen can be gently hand-washed with mild soap and water, then air-dried completely before re-use.

- **Storage:** When not in use, store the microphone in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid tightly winding the cable to prevent damage.
- **Handle with Care:** The microphone is a sensitive electronic device. Avoid dropping it or subjecting it to strong impacts.

6. Troubleshooting

- **No Sound:**
 - Ensure the 3.5mm connector is fully inserted into your recording device's microphone input.
 - Check your recording device's audio input settings to ensure the external microphone is selected and input levels are not muted or set too low.
 - Test with another recording device if possible to rule out a device-specific issue.
- **Poor Sound Quality (Distortion, Low Volume, Noise):**
 - Adjust the input gain/level on your recording device. Avoid setting it too high, which can cause distortion.
 - Ensure the microphone is positioned correctly and not rubbing against clothing.
 - Verify the foam windscreen is properly installed to reduce wind noise and plosives.
 - Record in a quiet environment to minimize background noise.

7. Specifications




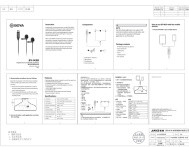
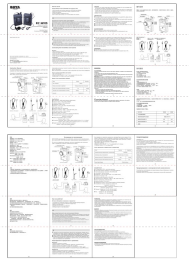

Feature	Specification
Polar Pattern	Omnidirectional
Microphone Form Factor	Lavalier
Connector Type	3.5 mm Jack
Frequency Response	18 KHz
Audio Sensitivity	30 Decibels
Signal-to-Noise Ratio	78 dB
Impedance	2000 Ohm
Power Source	Corded Electric
Compatible Devices	Digital SLR Camera, Camcorder, Audio Recorder
Item Dimensions (L x W x H)	3.94 x 1.97 x 1.18 inches
Item Weight	3.52 ounces
Color	Black

8. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official BOYA website. Keep your proof of purchase for any warranty claims.

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Related Documents - BY-M40D

	<p>BOYA BY-WM4 Wireless Microphone System: Instruction Manual & User Guide</p> <p>Comprehensive instruction manual for the BOYA BY-WM4 wireless microphone system. Learn about setup, features, specifications, safety, and usage for smartphones, cameras, camcorders, and PCs.</p>
	<p>BOYA BY-WM6S UHF Wireless Microphone System Instruction Manual</p> <p>Comprehensive instruction manual for the BOYA BY-WM6S UHF Wireless Microphone System, covering features, setup, operation, troubleshooting, and specifications for professional audio recording.</p>
	<p>BOYA BY-DM2 Digital Lavalier Microphone for Android - Instruction Manual</p> <p>Comprehensive instruction manual for the BOYA BY-DM2 digital lavalier microphone. Learn how to connect, operate, and get the best audio quality for your Android devices with this high-quality, omnidirectional microphone.</p>
	<p>BOYA BY-M3D Digital Dual Lavalier Microphone User Manual</p> <p>Comprehensive user manual for the BOYA BY-M3D, a digital dual lavalier microphone system with USB Type-C connectivity. Learn about its features, specifications, components, package contents, and how to use it for interviews, podcasts, and more.</p>
	<p>BOYA BY-WM5 Wireless Microphone System - User Manual</p> <p>Comprehensive user manual for the BOYA BY-WM5 wireless microphone system, detailing setup, operation, precautions, and specifications for optimal audio recording with cameras and camcorders.</p>
	<p>BOYA BY-WM4 Wireless Microphone Instruction Manual</p> <p>Comprehensive guide to the BOYA BY-WM4 wireless microphone system, covering setup, operation, safety, and specifications for use with cameras, smartphones, and audio recorders.</p>