

BOYA BY-DM100

BOYA BY-DM100 Digital Stereo Cardioid Condenser Microphone User Manual

Model: BY-DM100

1. INTRODUCTION

Thank you for choosing the BOYA BY-DM100 Digital Stereo Cardioid Condenser Microphone. This manual provides detailed instructions for the proper setup, operation, and maintenance of your microphone. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

2.1 Package Contents

- BOYA BY-DM100 Microphone
- Foam Windscreen
- Fur Windshield
- Carry Pouch

2.2 Key Features

- Cardioid digital stereo X/Y condenser microphone
- Directly connects to Android devices with a USB Type-C connector
- Designed to capture clear, high-quality audio
- Features two built-in microphone capsules for stereo sound recording
- Plug-and-play operation

2.3 Product Diagram



Figure 1: BOYA BY-DM100 Microphone with foam windscreen.

The BOYA BY-DM100 is a compact microphone designed for direct connection to compatible Android devices. It features a USB Type-C connector for easy plug-and-play functionality. The microphone comes with both a foam windscreen and a fur windshield to reduce unwanted noise in various recording environments.

3. SETUP INSTRUCTIONS

3.1 Connecting the Microphone

1. **Prepare the Microphone:** Choose either the foam windscreen or the fur windshield based on your recording environment. The foam windscreen is suitable for indoor use, while the fur windshield is recommended for outdoor use to minimize wind noise. Gently slide the chosen windscreen over the microphone capsules.
2. **Connect to Device:** Insert the USB Type-C connector of the BY-DM100 microphone directly into the USB Type-C port of your Android smartphone or tablet. Ensure the connection is secure.
3. **Device Recognition:** Your Android device should automatically recognize the microphone. Some devices may display a notification indicating an external audio device is connected.



Figure 2: Microphone connected to an Android smartphone with foam windscreen.

Once connected, the microphone is ready for use with most audio and video recording applications on your Android device. You may need to select the external microphone as the audio input source within your specific application settings.

4. OPERATING INSTRUCTIONS

4.1 Recording Audio

1. **Open Recording Application:** Launch your preferred audio or video recording application on your Android device.
2. **Select Microphone Input:** In some applications, you may need to navigate to the settings and select the external USB microphone as the audio input source. This step is often automatic but can vary by application.
3. **Position the Microphone:** For optimal stereo recording, position the microphone towards the sound source. The X/Y configuration of the capsules is designed to capture a natural stereo image.
4. **Monitor Audio (if supported):** If your device or application supports real-time audio monitoring through the USB-C port (e.g., with headphones connected to the device's headphone jack, if available, or through a USB-C hub with a headphone jack), monitor your audio levels to prevent clipping or distortion.
5. **Start Recording:** Begin your recording session.



Figure 3: Microphone in use with fur windshield for recording.

The BY-DM100 is ideal for recording interviews, vlogs, live events, and other situations where high-quality stereo audio is desired directly on your Android device.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Do not use liquid cleaners or solvents.
- **Windscreen Care:** The foam windscreen and fur windshield can be gently cleaned with a mild soap solution and air-dried completely before re-use.
- **Storage:** When not in use, store the microphone and its accessories in the provided carry pouch to protect it from dust and physical damage. Avoid exposing the microphone to extreme temperatures or high humidity.
- **Handling:** Handle the microphone with care. Avoid dropping it or subjecting it to strong impacts.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound recorded or microphone not detected.	<ul style="list-style-type: none">◦ Microphone not fully inserted.◦ Incorrect audio input selected in app.◦ Device incompatibility.◦ Microphone or device malfunction.	<ul style="list-style-type: none">◦ Ensure the USB Type-C connector is fully seated.◦ Check your recording app's settings to ensure the external microphone is selected.◦ Verify your Android device supports external USB audio input.◦ Test with another compatible device or contact support.

Problem	Possible Cause	Solution
Poor audio quality (e.g., muffled, distorted).	<ul style="list-style-type: none">◦ Incorrect windscreen used.◦ Microphone too far or too close to source.◦ High background noise.◦ Input levels too high (clipping).	<ul style="list-style-type: none">◦ Use the fur windshield outdoors; foam indoors.◦ Adjust microphone distance to the sound source.◦ Record in a quieter environment.◦ Adjust input gain settings in your recording app, if available.
Microphone is recognized but only records mono audio.	<ul style="list-style-type: none">◦ Application limitation.◦ Device limitation.	<ul style="list-style-type: none">◦ Ensure your recording application supports stereo input from external USB microphones.◦ Some Android devices or older OS versions may process USB audio as mono by default.

7. SPECIFICATIONS

Feature	Detail
Brand	BOYA
Model	BY-DM100
Microphone Form Factor	Mini
Polar Pattern	Unidirectional (Cardioid X/Y Stereo)
Connectivity Technology	USB
Connector Type	USB Type-C
Compatible Devices	Android Smartphones, Tablets
Audio Sensitivity	38 Decibels
Signal-to-Noise Ratio	80 dB
Item Weight	73 Grams (approx. 2.57 ounces)
Product Dimensions (L x W x H)	1.5 x 1.5 x 2.64 inches
Power Source	Corded Electric (via USB-C)
Material	(Windshield: fur)

8. WARRANTY AND SUPPORT



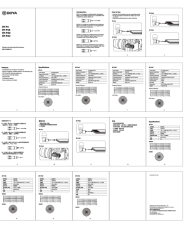



BOYA products are designed for reliability and performance. For warranty information and technical

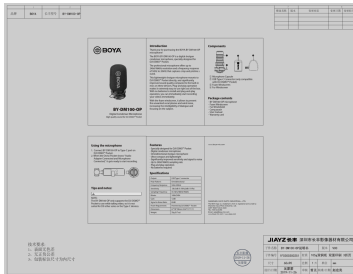
support, please refer to the official BOYA website or contact your local distributor. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may visit the [BOYA Store on Amazon](#) or consult the product support section on the manufacturer's website.

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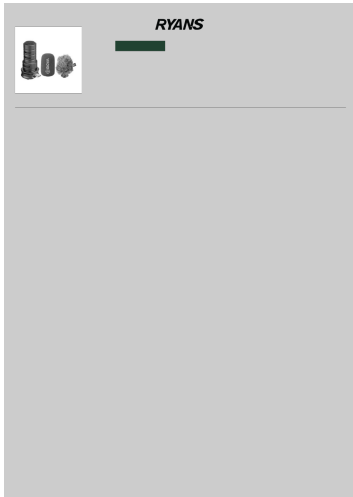
Related Documents - BY-DM100

	<p>BOYA BY-DM100 Digital Stereo Microphone for Android USB Type-C</p> <p>Product overview of the BOYA BY-DM100, a professional stereo condenser microphone designed for Android devices with USB Type-C ports. Includes features, specifications, package contents, and usage instructions.</p>
	<p>BOYA BY-CM5 Desktop USB Microphone User Manual</p> <p>Comprehensive user manual for the BOYA BY-CM5 Desktop USB Microphone, detailing setup, features, specifications, and operation for podcasting, recording, and conference calls.</p>
	<p>BOYA BY-P4 Series Mini Microphones User Manual</p> <p>User manual for the BOYA BY-P4, BY-P4A, BY-P4D, and BY-P4U series of mini microphones. Details features, specifications, and usage for connecting to smartphones, cameras, and computers for vlogging, live streaming, and audio recording.</p>
	<p>BOYA BY-PM500 USB Microphone User Manual</p> <p>Comprehensive guide to the BOYA BY-PM500 USB microphone, covering setup, features, specifications, and usage for Windows, Mac, and Type-C devices. Learn about its cardioid and omnidirectional pickup patterns, 24bit/48kHz resolution, and monitoring capabilities.</p>
	<p>BOYA BY-DM100-OP Digital Condenser Microphone for DJI OSMO Pocket</p> <p>Discover the BOYA BY-DM100-OP, a digital shotgun condenser microphone designed for DJI OSMO Pocket. Enhance your audio with high-resolution sound, plug-and-play operation, and a compact, lightweight design.</p>
	<p>BOYA BY-BM3011 Compact Shotgun Microphone User Manual and Features</p> <p>Comprehensive guide to the BOYA BY-BM3011 compact shotgun microphone, detailing its features, package contents, specifications, and usage instructions for cameras, smartphones, and audio recorders.</p>



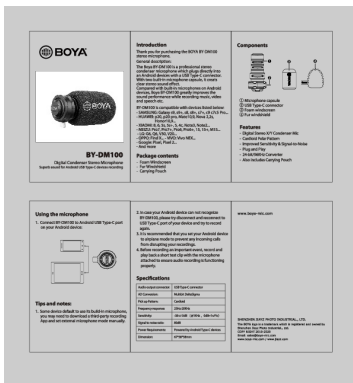
[pdf] User Manual Installation Guide

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BOYA **BY-DM100-OP** **BY-DM100-OP** Digital Condenser Microphone High-quality sound for DJI OSMOTM Pocket Introduction Thank you for purchasing the BOYA **BY-DM100-OP** microphone The BOYA **BY-DM100-OP** is a digital shotgun condenser microphone, specially designed for DJI OSMOTM Pocket. The p...
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[pdf] Specifications

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ID: 10.05.784.93 www.ryanscomputers.com SPECIFICATIONS Boya **BY-DM100**
USB Type-C Digital Stereo Microphone Regular Price 3,580 Special Price 3,350
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Dhaka 1207, Tel 88 0960 444 2121 BANANI - DHAKA 41 Kamal Ataturk Avenue,
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Specification Boya BY-DM100 Plug On Microphone for USB TYPE-C Android Full Spec Audio output
connector: USB Type-C connector AD Conversion: Multibit Delta Sigma Pick-up Pattern: Cardioid
Frequency response: 25-20KHz
Clifton Cameras Product Specification Boya **BY-DM100** Plug On Microphone for USB
TYPE-C Android Full Spec Audio output connector: USB Type-C connector AD
Conversion: Multibit Delta Sigma Pick-up Pattern: Cardioid Frequency response: 25-
20KHz Sensitivity: --38 /-3dB 1KHz , 0dB=1v/Pa Signa...
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[BOYA BY-DM100-OP Digital Condenser Microphone for DJI OSMO Pocket](#)

Discover the BOYA BY-DM100-OP, a digital shotgun condenser microphone designed for DJI OSMO Pocket. Enhance your audio with high-resolution sound, plug-and-play operation, and a compact, lightweight design.

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[BOYA Microphone Catalog 2019 - Professional Audio Solutions](#)

Explore the BOYA Microphone Catalog 2019, featuring a comprehensive range of professional audio solutions. This catalog showcases wired and wireless microphones, lavalier microphones, digital and USB microphones, shotgun microphones, audio adapters, boompoles, windshields, and shock mounts designed for videographers, broadcasters, filmmakers, and content creators. Discover high-quality audio equipment available in over 150 countries.

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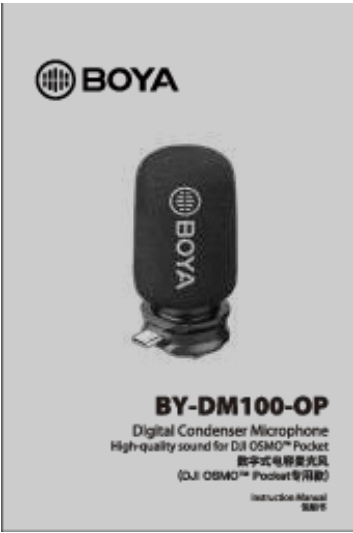


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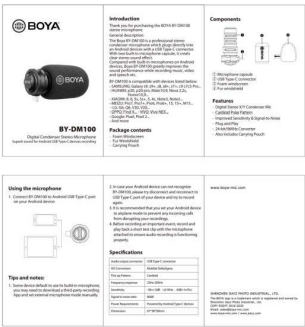


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[BOYA BY-DM100 Digital Stereo Microphone for Android USB Type-C](#)

Product overview of the BOYA BY-DM100, a professional stereo condenser microphone designed for Android devices with USB Type-C ports. Includes features, specifications, package contents, and usage instructions.

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