



BY-M1
Universal Lavalier Microphone

Introduction

Thanks for choosing BOYA!

The BOYA BY-M1 is universal Lavalier Microphone, which can be used with cameras, smartphones, and other recording devices.

It is designed for reliable and trouble-free performance.

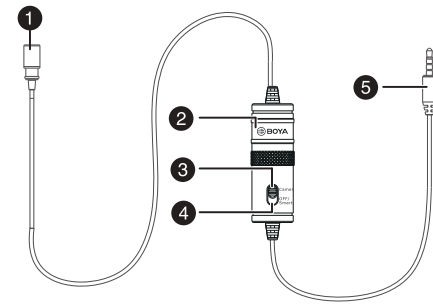
In order to ensure you have a good experience, please read this manual thoroughly and retain it for future reference.

Package Contents:

- One BY-M1 Lavalier microphone
- Foam wind screen
- Clothing clip
- Velcro
- Battery (LR44)
- Carrying case
- User Manual

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Main features



#	Item	Description
1	Omni-directional microphone	Picks up sound. The sound enters through the holes in the top of the capsule.
2	Power pack	Provides power for the microphone for use with cameras and other devices requiring a powered mic.
3	Camera setting	Turns the power on to the microphone. For use with cameras and other devices requiring a powered mic.
4	OFF/Smartphone setting	Turns the power off to the microphone. For use with Smartphones and other devices requiring an unpowered mic. NOTE: Keep the device in this mode when not in use to save the battery.
5	3.5 mm connector	Connects the microphone to the Smartphone, camera, camcorder, or other recording device.

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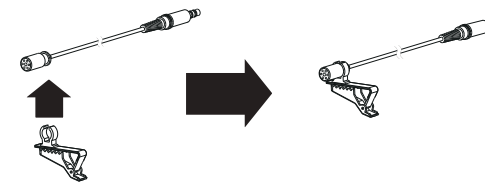
Features

- Clip-on laval microphone for Smartphones, cameras, camcorders, audio recorders, PCs, and other audio/video recording devices
- High-quality condenser microphone, ideal for accurate voice recording
- Omni-directional pick-up pattern for flexible, easy use
- Low handling noise

Using the microphone

Attaching the microphone to the clothing clip

- Insert the microphone into the plastic loop on the clothing clip.

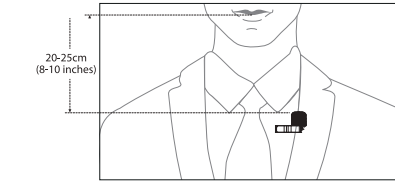


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Mounting the microphone to your Clothing

Attach the microphone to the front of your clothing with the clothing clip, about 20-25cm (8-10 inches) from your face.

- 1) Attach the microphone upside down to reduce excessive breath noises and tonal inconsistencies due to head movements.
- 2) It is recommended that you use the foam wind screen at all times to avoid wind noise, even when recording inside.



Tips and notes:

- 1) Tape a loose loop of the microphone cord to the inside of your clothing. This provides additional strain relief for the microphone cord and isolation from unwanted noise.
- 2) Before recording an important event, record and play back a short test clip with the microphone attached to ensure audio recording is functioning properly.

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Using the microphone with a Smartphone

Caution

No need to install battery when using with Smartphone.

- 1) Attach the microphone to your clothing (see previous instructions).
- 2) Move the switch on the power pack to the OFF/Smartphone.
- 3) Plug the 3.5 mm connector into the audio jack of your smartphone.
- 4) Open the audio-only or video recording app and begin recording.

Using the microphone with a camera

- 1) Install battery in right polarities.
- 2) Attach the microphone to your clothing (see previous instructions).
- 3) Move the switch on the power pack to the Camera (on) setting.
- 4) Plug the 3.5 mm connector into the audio input jack of your DSLR, Point and Shoot camera, or camcorder, and begin filming.

Note

Not all cameras have a microphone input. Verify this with your camera manufacturer. Many cameras have headphone, remote control, and other ports that look similar to a microphone input. Make sure that you are using the correct one.

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Using the microphone with a laptop

Note

- 1) BOYA BY-M1 can only use laptop whose headphone jack and microphone jack is combined.
- 2) No need to install battery.

- 1) Attach the microphone to your clothing (see previous instructions).
- 2) Move the switch on the power pack to the OFF/Smartphone.
- 3) Plug the 3.5 mm connector into the audio jack of your laptop.
- 4) Open the audio app and begin recording.

Using the microphone with other devices

- 1) Install battery in right polarities.
- 2) Attach the microphone to your clothing (see previous instructions).
- 3) Move the switch on the power pack to the Camera (on) setting.
- 4) Plug the 3.5 mm connector into the audio input jack of your device (audio recorder, amplifier etc.), and begin recording.

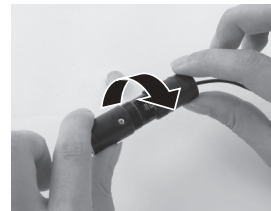
Note

- 1) When move switch on the power pack to the Camera (on), make sure to install battery in right polarities.
- 2) No need to install battery when OFF/ Smartphone setting.
- 3) Make sure set the switch first, then connect microphone with your equipment.

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Replacing the battery

- 1) Unscrew the two parts of the power pack and separate the pieces.



- 2) Remove the old battery from its compartment in the power pack.



- 3) Place the new battery, with the + and - oriented as indicated, into the battery compartment in the power pack. The + symbol is stamped inside the compartment for reference.

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Troubleshooting

Problem	Solution
The microphone does not turn on	<p>The battery may be incorrectly oriented in the battery compartment. Open the battery compartment and make sure the battery is correctly installed.</p> <p>The battery may be exhausted. Replace it with a new one. See the Specifications section for compatible replacements.</p> <p>The battery terminals are dirty. Open the battery compartment and clean the terminals with a cotton swab.</p>
The battery discharges too quickly	<p>The microphone is being left on (in the Camera position). Turn off the microphone by moving the switch to the Off/Smartphone position.</p> <p>You are using the microphone in extremely hot or cold conditions which drains it quickly.</p>
Too much ambience noise is being picked up	Make sure that the microphone is as close as possible to the subject. A certain amount of ambient noise is unavoidable in loud environments.

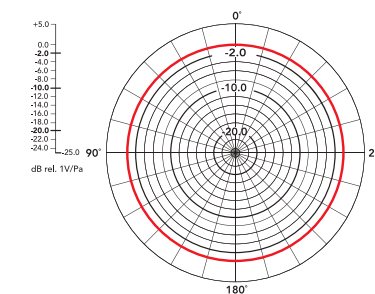
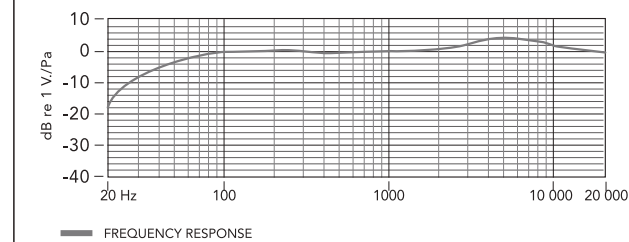
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Specifications

Transducer	Electret condenser
Polar pattern	Omni-directional
Frequency range	65 Hz ~ 18 KHz
Signal/Noise	74 dB SPL
Sensitivity	-30 dB +/- 3 dB / 0 dB=1V/Pa, 1 kHz
Output impedance	1000 Ohm or less
Battery type	LR44 included (compatible with LR44, 357, and SR44)
Connector	3.5mm (1/8") 4-pole gold plug
Dimensions	Microphone: 18.00mmH x 8.30mmW x 8.30mmD Cable: 6.0m
Weight	Microphone: 2.5g Power Module: 18g

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Specifications



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