



BY-M1
Universal Lavalier Microphone

Introduction

Thanks for choosing BOYA!

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

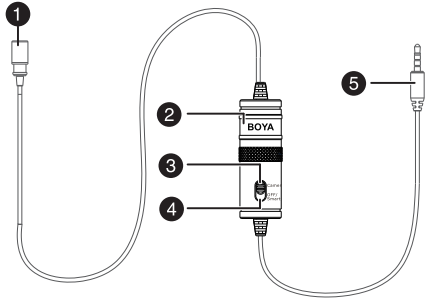
It is designed for reliable and trouble-free performance.

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

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.

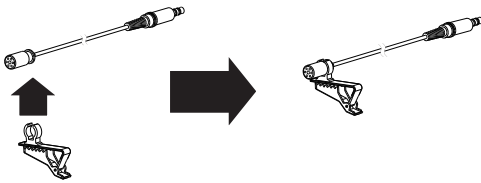
Features

- Clip-on lapel 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 exible, easy use
- Low handling noise

Using the microphone

Attaching the microphone to the clothing clip

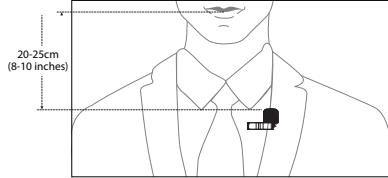
- Insert the microphone into the plastic loop on the clothing clip.



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.

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.

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, amplier 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.

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.

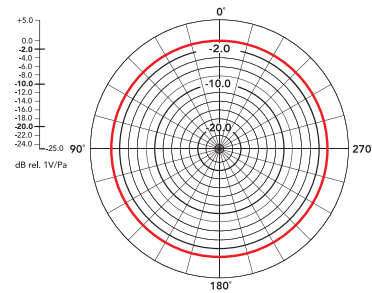
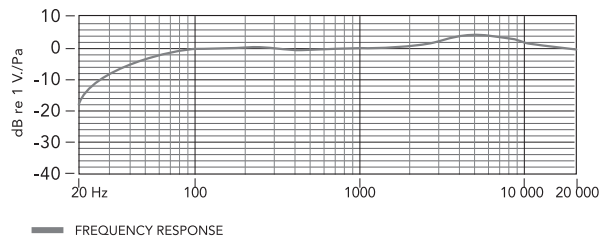
Troubleshooting

Problem	Solution
The microphone does not turn on	The battery may be incorrectly oriented in the battery compartment. Open the battery compartment and make sure the battery is correctly installed.
	The battery may be exhausted. Replace it with a new one. See the Specifications section for compatible replacements.
	The battery terminals are dirty. Open the battery compartment and clean the terminals with a cotton swab.
The battery discharges too quickly	The microphone is being left on (in the Camera position). Turn off the microphone by moving the switch to the Off/Smartphone position.
	You are using the microphone in extremely hot or cold conditions which drains it quickly.
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.

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

Specifications



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深圳市长丰影像器材有限公司

产品/零件名称	BY-M1说明书	比例	1 : 1	版本	V03
工程图号	BY-M1说明书V03	物料描述	105g双铜纸 骑马钉 12P		
物料编号	1F14015BY0022	尺寸/用量	尺寸：85x120mm	1PCS	
制图人/日期	吴蒙蒙/2018-7-17	审核/日期			