

# BOYA

## Super-cardioid Shotgun Microphone

For Smartphone & Camera  
Video/Audio Recording

超心型麦克风

智能手机/摄影机/录音机专用

### BY-BM2040

User Manual  
用户手册



## Introduction

Thanks for purchasing BOYA BY-BM2040!

The BOYA BY-BM2040, a compact super-cardioid shotgun microphone, is able to provide high-quality audio for your video. Unique super-cardioid polar pattern and tight pickup area focus directly in front of the microphone and reduce other surrounding sounds, ensuring that your subject is isolated from any background noise.

Reinforced carbon fiber + ABS construction at only about 79g, the microphone always keeps your setup super lightweight, making it ideal for handheld shooting. Equipped with a professional shock mount can be adjusted back and forth and more stably improve the recording effect of the device.

The BOYA BY-BM2040 is compatible with smartphones, tablets, DSLR cameras, and camcorders. it is ideal for vlogging, mobile journalism, live streaming, ASMR recording, and more.

## Package contents

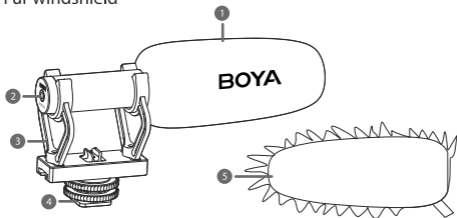
- BY-BM2040 microphone
- Shock mount
- Foam windscreen
- Fur windshield
- 3.5mm TRS to TRS cable
- 3.5mm TRS to TRRS cable
- Carrying pouch

## Tip:

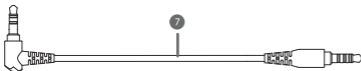
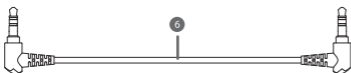
Use this microphone with your camera and smartphone before recording an important event. Make sure that you are familiar with it's operation with your external device and verify the audio recording results are as expected.

## Product Structure

- ① Foam windscreen
- ② 3.5mm audio output jack
- ③ Shock mount
- ④ 1/4" cold shoe mount
- ⑤ Fur windshield

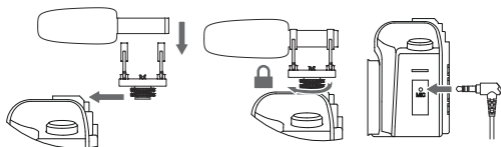


- ⑥ 3.5mm TRS to TRS connector  
- For cameras, camcorders, audio recorders and other audio/video recording devices
- ⑦ 3.5mm TRS to TRRS connector  
- For smartphone, tablet or laptop



## Setting up your microphone with camera

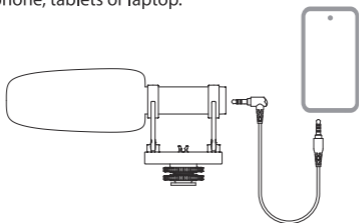
1. Fix the microphone to the shock mount and loosen the locking knob of its cold shoe mount, then slide the mount onto the camera.
2. Tighten the locking knob, to secure the microphone.
3. Use the 3.5mm TRS to TRS audio cable to connect the camera and microphone.



## Setting up your microphone with smartphone, tablets or laptop

1. Use the 3.5mm TRS to TRRS audio cable to connect the smartphones, tablets or laptop and microphone.
2. Turn on the audio-only or video recording app and start recording.

Please noted to plug 90 degree 3.5mm TRS connector to the microphone and straight 3.5mm TRRS connector to the smartphone, tablets or laptop.



## Troubleshooting

If you have any problem using the BY-BM2040 components, use the following checklist. If any problem persist, please consult our local dealer, or contact us directly at [sales@boya-mic.com](mailto:sales@boya-mic.com).

Problem	Solution
The microphone cannot work properly	Make sure you use the correct audio connector. 1) 3.5mm TRS to TRS cable: for cameras, camcorders, digital recorder and other devices with a 3.5mm TRS jack. 2) 3.5mm TRS to TRRS cable: for smartphone, tablet, laptop and other devices with a 3.5mm TRRS jack.
Too much ambience noise is being picked up	1) Wear the supplied foam windscreen or fur windshield. 2) Reduce the input gain of the external device appropriately. 3) Make sure that the microphone is as close to the subject as possible. A certain amount of ambient noise is unavoidable in loud environments.

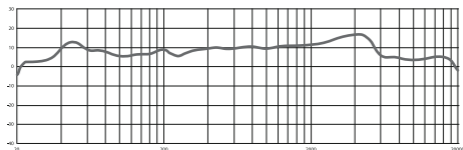
## Features

- Super-cardioid condenser microphone
- Compact lightweight design
- Reinforced ABS construction
- Professional shock mount
- No battery required, plug and play
- Compatible with smartphone, DSLR cameras, camcorders, PC, etc.
- Ideal for vlogging, mobile journalism, live streaming, ASMR recording, and more.

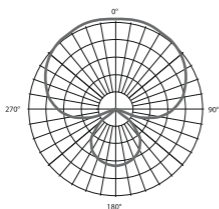
# Specifications

Polar Pattern:	Super-cardioid
Frequency Response:	40Hz-20,000Hz
Sensitivity:	-35dB $\pm$ 2dB@1KHz
Signal to Noise Ratio:	> 80dB
Audio Output Connector:	3.5mm TRS output jack
Dimensions (L*H*D):	6.02*2.95*1.96" (153*50*75 mm)
Net Weight:	Approx. 2.8oz (79g)

## Frequency response



## Polar pattern



感谢您购买博雅 BY-BM2040!

BOYA BY-BM2040 是一款小巧便携的超心型枪式麦克风，提供清晰音质。独特的超心型拾音模式和窄小的拾音角度减少了周围音的收录，确保隔绝背景音。

坚固且轻巧的碳纤维+ ABS 塑料材质，仅约79克重，超级轻巧，非常适用于手持录制。产品带有专业的防震支架，可前后调节，更稳定地提高设备的录音效果。

BOYA BY-BM2040 兼容智能手机、平板电脑、单反相机和摄像机。它是视频创作、室外采访、直播、ASMR 录制等的理想选择。

## 包装清单

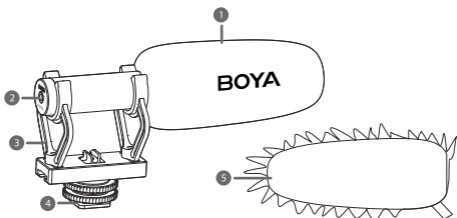
- BY-BM2040麦克风
- 防震架
- 防风海绵
- 防风毛套
- 3.5mm TRS转TRS音频线
- 3.5mm TRS转TRRS音频线
- 收纳袋

## 提示：

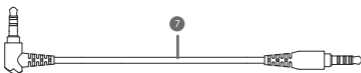
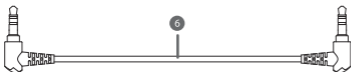
在开始录制重大活动之前，请先确保您已熟悉麦克风在您外接设备上的操作，并测试录音效果如何。

## 产品结构

- ① 防风海绵
- ② 3.5mm音频输出孔
- ③ 防震架
- ④ 1/4螺孔冷靴座
- ⑤ 防风毛套



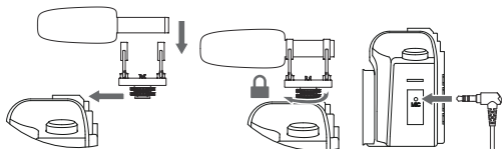
- ⑥ 3.5mm TRS转TRS音频线  
- 适用于照相机、摄影机、录音机以及其他录音和摄影设备
- ⑦ 3.5mm TRS转TRS音频线  
- 适用于智能手机、平板电脑、笔记本电脑





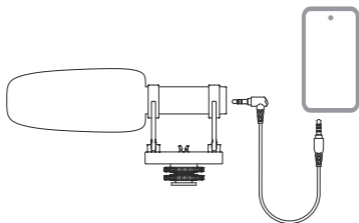
## 麦克风安装方法(相机)

1. 将麦克风固定在防震架上后，扭松其冷靴座旋钮，然后滑入到相机上。
2. 锁紧旋钮固定住麦克风。
3. 用配套的3.5mm TRS转TRS音频线连接相机和麦克风。



## 麦克风安装方法(智能手机、平板电脑、手提电脑)

1. 用配套的3.5mm TRS转TRRS音频线将麦克风与设备连接。
  2. 打开录音或摄影软件，然后开始录音。
- 注: 请将3.5mm TRS转TRRS音频线直角那端连接麦克风，另一端连接设备。



在使用 BY-BM2040 的过程中出现任何问题，请参照下列条款加以解决。如果问题仍然存在，请联系当地经销商或直接邮件联系sales@boya-mic.com

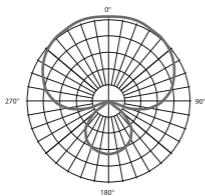
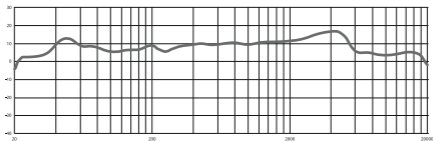
问题	解决方案
麦克风不工作	确保使用正确的音频线 1) 3.5mm TRS转TRS音频线用于相机、摄影机、录音笔等其他TRS接口设备 2) 3.5mm TRS转TRRS音频线用于智能手机、平板等其他TRRS接口设备
环境噪音拾取太多	1) 佩戴上产品配套的防风绵 2) 适当降低外接设备的声音录入增益 3) 确保麦克风尽可能的靠近主体。在嘈杂环境下，些许的环境噪音是无法避免的

## 特点

- 适用于智能手机、单反相机、照相机、摄影机、电脑等
- 超心型电容麦克风
- 无需电源，即插即用
- 轻便小巧的设计
- 坚固的 ABS 塑料结构
- 专业的防震架
- 配置防风毛套和防风海绵
- 配置3.5mm TRS和3.5mm TRRS音频线

## 参数

拾音模式:	超心型
频率响应:	40Hz-20,000Hz
灵敏度:	-35dB±2dB@1KHz
信噪比:	> 80dB
接口类型:	3.5mm TRS输出孔
尺寸:	153*50*75mm
净重:	约79g



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深圳市长丰影像器材有限公司

地址:深圳市观澜街道章阁大富路智能终端产业园A16栋

TEL: 400 6131096

Email: sales@boya-mic.com

www.boya-mic.com / www.jiayz.com