

7	8
修改名称	版本
变更内容	变更日期
	变更担当

# BOYA

## Mininature Condenser Microphone

迷你电容式麦克风系列

**BY-M100**  
**BY-M110**  
**BY-M100D**  
**BY-M100UC**  
**BY-M100UA**



User Manual  
用户手册

### Introduction

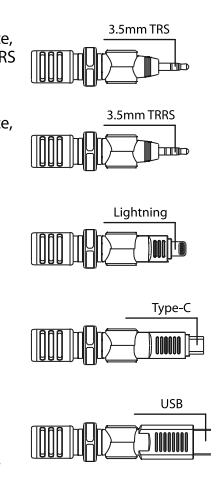
BY-M100 is miniature size, omnidirectional 3.5mm TRS microphone for DSLR, camcorder, recorder.

BY-M110 is miniature size, omnidirectional 3.5mm TRRS for smartphone, laptop, tablet and others.

BY-M100D is miniature size, omnidirectional MFi certified Lightning microphone for iPhone, iPad, iPod.

BY-M100UC is miniature size, omnidirectional microphone for most Type-C devices.


BY-M100UA is miniature size, omnidirectional microphone for USB devices, such as Windows and Mac computers.



### Quick Setup Guide

#### BY-M100

- Plug the 3.5 mm TRS connector into your recording device's audio input jack.
- Rotate and turn the microphone towards the subject you want to record.
- Turn on your recording device, then record a short audio segment to make sure that the microphone is working correctly:
  - If sound is too quiet, move the microphone closer.
  - If sound is distorted, the audio is too loud. Move the microphone farther away.
- Use your recording device to record the audio you need.



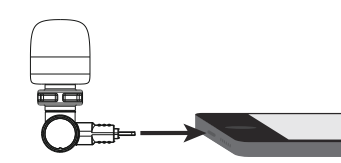
#### BY-M110

- Plug the 3.5 mm TRRS connector into your recording device's audio input jack.
- Tilt and turn the microphone towards the subject you want to record.
- Turn on your recording device, then record a short audio segment to make sure that the microphone is working correctly:
  - If sound is too quiet, move the microphone closer.
  - If sound is distorted, the audio is too loud. Move the microphone farther away.
- Use your recording device to record the audio you need.



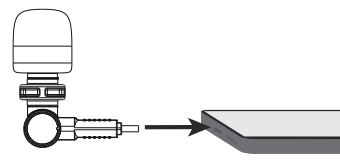
#### BY-M100D

- Plug the Lightning connector into your recording device's audio input jack.
- Tilt and turn the microphone towards the subject you want to record.
- Turn on your recording device, then record a short audio segment to make sure that the microphone is working correctly:
  - If sound is too quiet, move the microphone closer.
  - If sound is distorted, the audio is too loud. Move the microphone farther away.
- Use your recording device to record the audio you need.



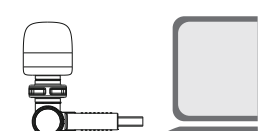
#### BY-M100UC

- Plug the Type-C connector into your recording device's audio input jack.
- Tilt and turn the microphone towards the subject you want to record.
- Turn on your recording device, then record a short audio segment to make sure that the microphone is working correctly:
  - If sound is too quiet, move the microphone closer.
  - If sound is distorted, the audio is too loud. Move the microphone farther away.
- Use your recording device to record the audio you need.



#### BY-M100UA

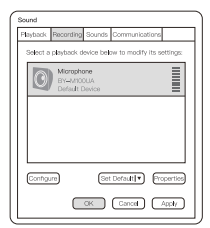
- Plug the USB connector into your recording device's audio input jack.
- Tilt and turn the microphone towards the subject you want to record.
- Turn on your recording device, then record a short audio segment to make sure that the microphone is working correctly:
  - If sound is too quiet, move the microphone closer.
  - If sound is distorted, the audio is too loud. Move the microphone farther away.
- Use your recording device to record the audio you need.



#### Attach BY-M100UA to computer or laptop with USB-A port.

##### Set up for Windows

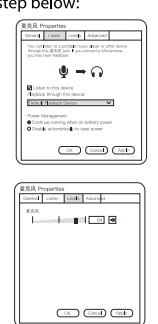
- Connect the microphone to the computer with the supplied charge cable.
- Select the microphone as the default device and click Start Menu -> Control Panel -> Sounds and Audio Devices.
- Select BY-M100UA and click OK.



#### Monitoring and adjust the microphone gain control

If you want to hear microphone feedback from the computer, please follow the step below:

- Plug the headphone into headphone jack of your computer.
- Open microphone's control panel and click "Listen to this device".
- Adjust the "BY-M100UA" microphones' gain to a proper level.



#### Features

##### BY-M100

- 3.5mm TRS microphone for DSLR, camcorder, recorder
- 50Hz to 18kHz frequency response
- Plug and play operation
- 180° rotating head, convenient for capturing audio
- Includes foam windscreen

##### BY-M110

- 3.5mm TRRS microphone for smartphone, laptop, tablet and others
- 50Hz to 18kHz frequency response
- Plug and play operation
- 180° rotating head, convenient for capturing audio
- Includes foam windscreen

##### BY-M100D

- Miniature microphone for iPhone, iPad, iPod (MFi certified Lightning connector)
- 50Hz to 18kHz frequency response
- Plug and play operation
- 180° rotating head, convenient for capturing audio
- Includes foam windscreen

#### BY-M100UC

- Miniature microphone for most Type-C devices
- 50Hz to 18kHz frequency response
- 16Bit/48kHz resolution
- Plug and play operation
- 180° rotating head, convenient for capturing audio
- Includes foam windscreen

#### BY-M100UA

- Omnidirectional microphone for Windows and Mac computers
- 50Hz to 18kHz frequency response
- 16Bit/48kHz resolution
- Plug and play operation
- 180° rotating head, convenient for capturing audio
- Includes foam windscreen

### Specifications

Sensitivity	-36±2dB(0dB=1V/Pa at 1kHz)
Polar Pattern	Omnidirectional
Signal to Noise Ratio	78 dB S: (f=1kHz, S.P.L.=1Pa) N: (A-Weighted curve)
Frequency Response	50Hz-18kHz
Sampling Frequency	BY-M100UC/UA: 48 kHz
Bitrate	BY-M100UC/UA: 16 Bit
Power Requirement	BY-M100D: Supplied by iOS device BY-M100UC: Supplied by Android Devices
Connector	BY-M100: TRS BY-M100D: Available on all devices with lightning ports that support iOS 10 or later BY-M100UC: Type-C Connector BY-M100UA: USB A BY-M110: TRRS
Weight	BY-M100: 9g (0.3 oz) BY-M100D: 9.5g (0.3 oz) BY-M100UC: 10.5g (0.4 oz) BY-M100UA: 14.5g (0.51 oz) BY-M110: 9g (0.3 oz)
Cable Length	BY-M100: φ18x74mm (φ0.7x2.9") BY-M100D: φ18x72mm (φ0.7x2.8") BY-M100UC: φ18x80mm (φ0.7x3.1") BY-M100UA: φ18x75mm (φ0.7x2.95") BY-M110: φ18x74mm (φ0.7x2.9")

感谢您选择BOYA!

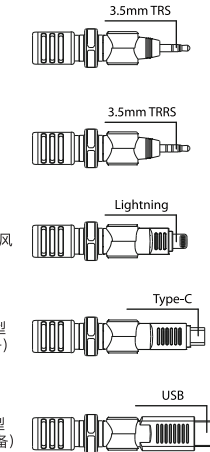
BY-M100是3.5mm TRS迷你全向型麦克风 (适配单反, 摄像机, 录音笔等)

BY-M110是3.5mm TRRS迷你全向型麦克风 (适配手机, 笔记本, 平板等)

BY-M100D是MFi认证Lightning迷你全向型麦克风 (适配iPhone, iPad, iPod)

BY-M100UC是迷你全向型麦克风 (适配Type-C设备)


BY-M100UA是迷你全向型麦克风 (适配USB电脑设备)



### 用户指南

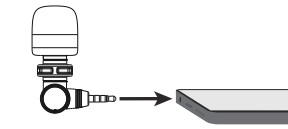
#### BY-M100

- 将麦克风的3.5mm TRS插头接入设备
- 将麦克风旋转至理想的录音角度
- 如果声音失真, 录音声音过高, 请将增长录音距离。
- 开始录音



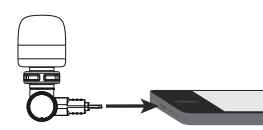
#### BY-M110

- 将麦克风的3.5mm TRRS插头接入设备
- 将麦克风旋转至理想的录音角度
- 如果声音失真, 录音声音过高, 请将增长录音距离
- 开始录音



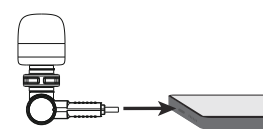
#### BY-M100D

- 将麦克风的Lightning插头接入设备
- 将麦克风旋转至理想的录音角度
- 如果声音失真, 录音声音过高, 请将增长录音距离
- 开始录音



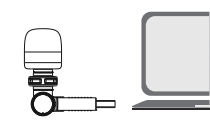
#### BY-M100UC

- 将麦克风的Type-C插头接入设备
- 将麦克风旋转至理想的录音角度
- 如果声音失真, 录音声音过高, 请将增长录音距离
- 开始录音



#### BY-M100UA

- 将麦克风的USB插头接入设备
- 将麦克风旋转至理想的录音角度
- 如果声音失真, 录音声音过高, 请将增长录音距离
- 在计算机上设置输入和输出操作
- 开始录音



#### 麦克风连接电脑的操作步骤

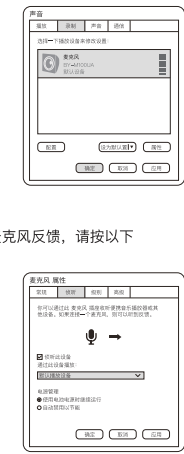
##### Windows电脑设置教程

- 选择相应的转接线, 连接麦克风和电脑。
- 设置麦克风为默认设备, 点击“开始”菜单 -> “控制面板” -> “硬件”和声音。

- 在“录制”栏中, 选择“BY-M100UA”并点击“确认”。


#### 监听和麦克风增益调节

如果您想在电脑里听到麦克风反馈, 请按以下步骤操作:



- 请将耳机插入电脑的耳机插孔。
- 点击麦克风控制面板, 点击“收听此设备”。

- 将“BY-M100UA”增益调到合适的水平



#### 特点

- 3.5mm TRS迷你全向型麦克风 (适配单反, 摄像机, 录音笔等) (BY-M100)
- 3.5mm TRRS迷你全向型麦克风 (适配手机, 笔记本, 平板等) (BY-M110)
- MFi认证Lightning迷你全向型麦克风 (适配iPhone, iPad, iPod) (BY-M100D)
- 迷你全向型麦克风 (适配Type-C设备) (BY-M100UC)
- 迷你全向型麦克风 (适配USB电脑设备) (BY-M100UA)
- 50Hz-18kHz频率响应
- 即插即用操作
- 180°旋转角度, 轻松调节录音角度
- 配备防风海绵

### Specifications

灵敏度	-36±2dB(0dB=1V/Pa at 1kHz)
拾音模式	全向型
信噪比	78dB S: (f=1kHz, S.P.L.=1Pa) N: (A-Weighted curve)
频率响应	50Hz-18kHz
采样率	BY-M100UC/UA: 48 kHz
位数	BY-M100UC/UA: 16 Bit
供电方式	BY-M100D: iOS设备供电 BY-M100UC: 安卓设备供电
麦克风接口类型	BY-M100: TRS 接口 BY-M100D: 支持iOS10.0以上版本的Lightning设备 BY-M100UC: Type-C接口 BY-M100UA: USB A接口 BY-M110: TRRS接口
重量	BY-M100: 9g BY-M100D: 9.5g BY-M100UC: 10.5g BY-M100UA: 14.5g BY-M110: 9g
尺寸	BY-M100: φ18*74mm BY-M100D: φ18*72mm BY-M100UC: φ18*80mm BY-M100UA: φ18*75mm BY-M110: φ18*74mm

www.boyamicro.com

SHENZHEN JIAYZ PHOTO INDUSTRIAL, LTD.  
The BOYA logo is a trademark which is registered and owned by Shenzhen Jiayz Photo Industrial, Ltd.  
深圳市长丰影像器材有限公司  
地址: 广东省深圳市宝安区观澜街道大富社区硅谷动力智能终端产业园A16栋  
TEL: 400 6131096  
Email: sales@boyamicro.com / www.boyamicro.com

技术要求:

- 表面无色差
- 无正负公差
- 包装标注尺寸为内尺寸

受控文件  
2023/2/16  
长丰影像

长丰影像  
2021-4-21  
吴蒙蒙

JIAYZ长丰 深圳市长丰影像器材有限公司					
子件名称	BY-M100中英文说明书-N	版本	V01		
子件编号	1F0300300580	材质	80g书写纸 骑马钉 20p		
尺寸	60x80	比例	1:1	单位	mm
设计/日期	吴蒙蒙 2023-2-11	审核	暂无	核准/日期	赵宏亮