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修改名称	版本	变更内容	变更日期	变更担当
BY-PM500说明书-N	V01	首次发行	2022-7-4	高瑾璘

# BOYA

## USB Microphone

USB 麦克风

### BY-PM500



User Manual  
用户手册

#### Introduction

Thanks for choosing BOYA!

The BOYA BY-PM500 is a USB condenser microphone, compatible with computers with USB port and most Android smartphones. It can be used at a variable applications, such as home-studio recording, podcasting, video conference calls, vocals, instruments, and more.

The microphone features selectable cardioid and omnidirectional pickup patterns, allowing you to customize your audio, and supporting 24bit/48 kHz resolution.

Built-in 3.5mm headphone jack allows you to monitor and ensure the audio intelligibility during recording. The headphone volume/gain/mute multi-function control allows you to adjust the volume according to your needs.

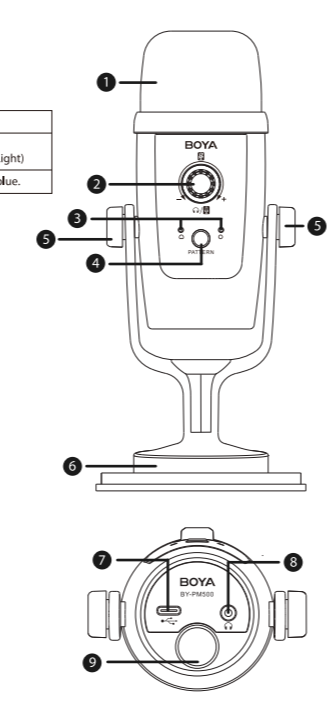
With an adjustable desk stand, users can adjust the microphone at the desired angle.

#### Package Contents

- BY-PM500 Microphone
- 3m (9.8') Type-C to USB-A Cable
- 2m (6.5') Type-C to Type-C Cable
- User Manual

#### Instructure

- 1. Metal mesh windscreen**
- 2. Headphone volume/gain/mute control**  
  - ① When you do not need to speak, please turn the knob to the "Mute" position.
  - ② When you need to speak, please turn the knob to the "Gain" position.
  - ③ When you need to adjust the volume, please turn the knob to the "Volume" position.
- 3. Polar pattern indicators**
  - **Omnidirectional**  
Pick up sound equally from all directions, capturing a natural blend of voice and ambience with low sensitivity to wind and handling noise, as well as to vocal plosives.
  - ⊙ **Cardioid**  
Maximizes the rejection of sound coming from the sides and rear of the mic and can be used as a directional microphone to capture full, rich, natural-sounding audio for podcast, speech, dialog, instrument, etc.
- 4. Polar pattern switch**
- 5. Tightening nuts**
- 6. Desk stand**
- 7. Type-C audio output**
- 8. 3.5mm headphone output**
- 9. 5/8" threaded hole**



#### Features:

- Optional cardioid and omnidirectional polar patterns
- Compatible with Android devices, Windows/Mac computers, and most Type-C devices
- All-in-one knob for gain & volume control & muting function
- Durable metal construction
- 3.5mm headphone monitoring jack
- Rugged integrated microphone desktop stand included
- One 3m Type-C to USB-A cable and one 2m Type-C cable included

#### Specifications:


Polar Pattern:	Cardioid and Omnidirectional
Frequency Response:	20-20,000Hz
Sensitivity:	-36dB (0dB=1V/Pa, 1kHz 1Pa)
Power Consumption:	5V/60mA
Mic Capsule:	14mm Electret Condenser Capsule
Signal to Noise Ratio:	80dB
SPL:	110dB
Microphone's Gain Control:	0-42dB
Sample Rate:	48 kHz
Bit Depth:	24 Bit
Headphone Output Connector:	1/8" (3.5mm) Jack
Audio Output:	Type-C
Size:	100*84*226.7mm (3.9 x 3.3 x 8.9")
Weight:	703g (24.8oz)

#### How to use

1. Loosen the nuts of both sides anticlockwise.
2. Adjust the microphone at your desired angle, then tighten the nuts of both sides clockwise to fix the microphone.
3. Connect the microphone to a computer or a smartphone with the supplied cable.
4. Connect your headphone to 3.5mm headphone output if needed.

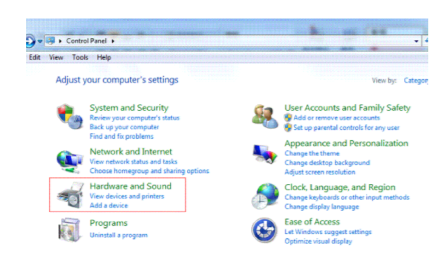

#### Set Up for Windows 10

1. Connect the microphone with a USB port on your computer using the supplied USB cable.
2. Go to "Setting", choose "Sound" as shown below.
3. Select "Speaker BY-PM500" as Output device.
4. Select "Microphone BY-PM500" as Input device.





#### Set Up for Windows 7

1. Connect the microphone with a USB port on your computer using the supplied USB cable.
2. From the "Setting Menu", select the "Control Panel".
3. Go to "Control Panel", select "Hardware and Sound".

4. Select "Sound".



5. Select "Speaker BY-PM500" as the default device in the "Sound", under "Playback" menu.

6. Select "Microphone BY-PM500" as the default device in the "Sound", under "Recording" menu.


#### Setup for Apple System

1. Connect the BOYA BY-PM500 to an un-used USB port on your computer.
2. Go to Apple Icon-->System Preferences-->Sound Icon.

3. Select "BY-PM500" under "Input" tab.

4. Select "BY-PM500" under "Output" tab.



感谢您选择BOYA!

博雅BY-PM500是一款USB电容式麦克风，适用于USB电脑和大部分安卓手机。它可以在各种场合中使用，如家庭工作室录音、播客、视频会议电话、声乐、乐器等等。

BY-PM500具有心型和全向拾音模式切换功能，支持24bit/48 kHz音质分辨率，允许用户定制高质量声音。

为保证录制音频的清晰度，BY-PM500的耳机监听孔能帮助用户进行实时音频监听。此外，耳机音量/增益调节/静音多功能旋钮还能根据录音实况进行音量调节。

简约麦克风支架设计，用户可根据自身使用场景，自由调节麦克风角度。

#### 包装内容

- BY-PM500麦克风
- Type-C转USB音频转接线
- Type-C到Type-C音频转接线
- 使用手册

#### 产品结构

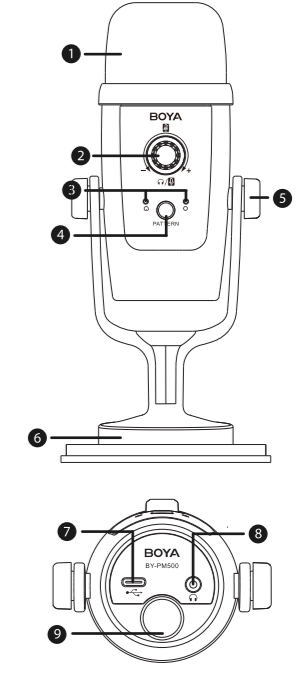
1. 麦克风金属网罩
2. 耳机音量/增益/静音控制按钮

长丰降噪海绵	降噪海绵 (降噪效果)
长丰降噪海绵	降噪海绵 (降噪效果)
长丰降噪海绵	降噪海绵 (降噪效果)

3. 拾音模式指示灯
  - ⊙: 心型拾音模式
  - : 全向拾音模式

最大程度地剔除从两侧和后方的声音，通常当作指向型麦克风使用。适合捕捉饱满圆润的自然声，可用于播客、演讲、访谈、乐器演奏等场合。

4. 拾音模式切换按钮
5. 紧固螺母
6. 麦克风支架
7. Type-C音频输出接口
8. 3.5毫米耳机输出孔
9. 5/8英寸螺纹孔



#### 特点:

- 心型和全向型拾音模式自由切换
- 兼容Windows、Mac电脑和大部分安卓 (Type-C) 设备
- 音量控制/增益控制/静音多合一旋钮
- 耐用金属结构
- 3.5mm实时监听耳机插孔
- 集成式耐用麦克风支架
- 配备3米Type-C转USB-A转接线和2米Type-C转Type-C转接线

#### 参数


拾音模式	心型/全向型
频率响应	20-20,000Hz
灵敏度	-36dB (0dB=1V/Pa, 1kHz 1Pa)
功率消耗	5V/60mA
拾音器	14mm驻极体电容咪头
信噪比	80dB
最大声压级	110dB
麦克风增益值	0-42dB
采样率	48 kHz
位深	24 Bit
耳机输出	3.5mm 耳机插孔
音频输出	Type-C
尺寸	100 x 84 x 226.7mm
重量	703g

#### 使用方法

1. 将支架两旁的螺母逆时针方向扭松
2. 将麦克风调整到所需的角度，然后沿顺时针方向拧紧两侧螺母。
3. 用配备的转接线将麦克风连接至电脑或手机。
4. 将耳机插入3.5mm耳机孔。


#### 麦克风连接方法(Windows 10 版本)

1. 用配备的转接线将麦克风接入电脑的USB接口。
2. 在设置界面选择“声音”。
3. 选择扬声器BY-PM500为输出设备。
4. 选择麦克风BY-PM500输入设备。





#### 麦克风连接方法(Windows 8 版本)

1. 用配备的转接线将麦克风接入电脑的USB接口。
2. 在“开始菜单”里选择“控制面板”。
3. 点开“控制面板”选择“硬件和声音”。




4. 选择“声音”

5. 在“播放”选项中选择“扬声器 BY-PM500”为默认声音设备


6. 在“录制”选项中选择“麦克风 BY-PM500”为默认声音设备





#### 麦克风连接方法(苹果系统)

1. 用配备的转接线将麦克风接入电脑的USB接口。
2. 进入点击苹果界面 - 系统设置 - 声音

- 3.选择“BY-PM500”为输入设备。



- 4.选择“BY-PM500”为输出设备。



#### 重要事项

- 如果您长时间不使用麦克风，请拔下USB线。
- 在录音时，请勿触碰麦克风，否则噪音也将收录进去。
- 请勿将麦克风靠近高压设备或发射强电磁场的设备，否则可能导致噪音也收录进去。
- 请勿将麦克风放置高温或潮湿的地方。

#### 保养

- 操作设备时请保持手的干燥整洁。
- 请按照说明书的指示清洁设备。

www.boya-mic.com V01

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- 技术要求:
- 1、表面无色差
  - 2、无正负公差
  - 3、包装标注尺寸为内尺寸

受控文件  
2022/7/6  
长丰影像

<b>JIAYZ长丰</b> 深圳市长丰影像器材有限公司					
子件名称	BY-PM500说明书-N	版本	V01		
子件编号	1F0300300536	材质	105g双铜纸 骑马钉 20p		
尺寸	110x110	比例	1:1	单位	mm
设计/日期	高瑾璘 2022-7-4	审核	暂无	核准/日期	赵宏亮