

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

Short press the button	Mute ON (Solid Red Light)
Long press the button to switch	Gain Control (Solid Purple Light) Headphone Volume Control (Solid Blue Light)
* Volume control function is default setting, the indicator status is solid blue.	

3. Polar pattern indicators

○ Omnidirectional

Pick up sound equally from all directions, capturing a natural blend of voice and ambiance 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

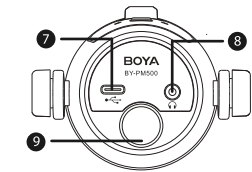
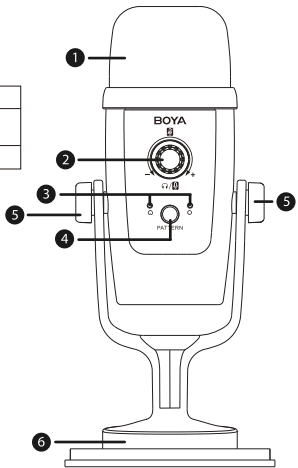
5. Tightening nuts

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 8.90")
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.



IMPORTANT

- If you do not intend to use the conference microphone for a long period of time, please remove the USB cable.
- Do not touch the microphone while recording, as this will cause noise to be recorded.
- Do not let the microphone close to high-voltage equipment or to devices that emit strong electromagnetic fields, otherwise, it may cause the noise to be recorded.
- Do not use or leave the microphone in hot, humid places.

MAINTENANCE

- Do not operate the device with wet hands or feet.
- Clean the equipment only in the way described in the instructions for use.

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具有心型和全向型拾音模式切换功能，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到转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/静音控制按键旋钮

短按按键	静音模式 (红灯常亮)
长按按键切换	增益调节 (紫灯常亮) 耳机音量调节 (蓝灯常亮)
* 旋钮功能默认设置是耳机音量调节 (蓝灯常亮)	

3. 拾音模式指示灯

○ 全向型拾音模式

全方位拾音，适合于收录自然混合的周围音，对风和手持噪音以及爆破音的敏感度较低。

○ 心型拾音模式

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、乐器弹奏等场合。

4. 拾音模式切换按钮

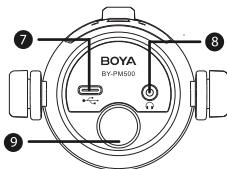
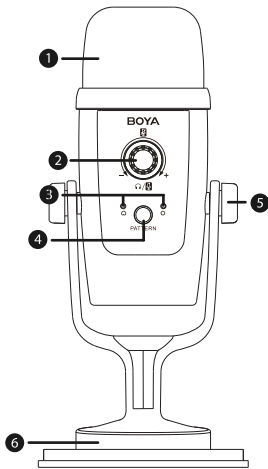
5. 紧固螺母

6. 麦克风支架

7. Type-C音频输出口

8. 3.5毫米耳机输出孔

9. 5/8英寸螺纹孔



特点:

- 心形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
位宽	24 Bit
耳机输出口	3.5mm 耳机插孔
音频输出孔	Type-C
尺寸	100 x 84 x 226.7mm
重量	703g

使用方法

1. 将支架两旁的螺母朝逆时针方向扭松
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(Windows10 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(Windows8 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

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