BOYA

Gooseneck USB Microphone

USB鹅颈麦克风

BY-GM12

User Manual

用户手册

Introduction

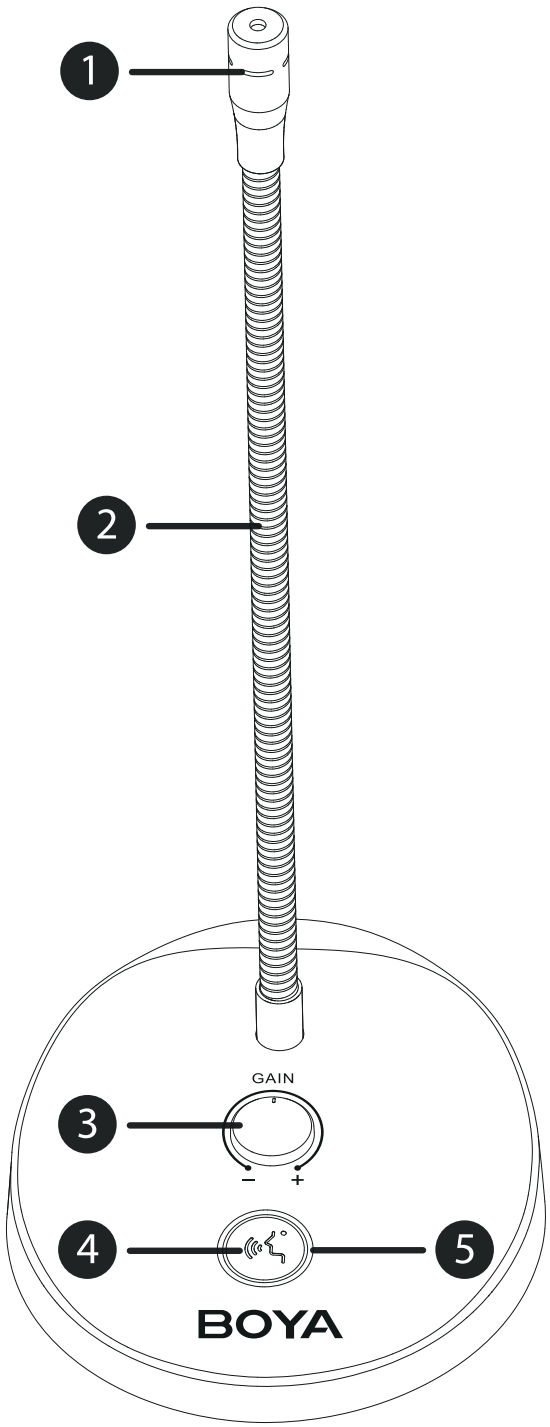
Thanks for choosing BOYA!
The BY-GM12 is a desktop-mounted gooseneck microphone with USB output. With the excellent cardioid polar pattern, the BY-GM12 can clearly capture the voice in front of the mic, designed to provide clear and intelligible speech reproduction for lectures, video conferences, meetings, and more.

The BY-GM12 features a clear status indicator and convenient mute. A 3.5 mm headphone output lets you monitor your audio in real-time, and a gain control knob allows you to adjust microphone input gain. The gooseneck enables you to precisely position the capsule in front of the speaker for optimal sound. The BY-GM12 runs off USB plug-in power. This means that no batteries are required to operate.

Cautions

• Please read this user manual carefully and completely before using the product, and keep it for future reference.
• Warning! Improper installation could irreparably damage the unit.
• Place the unit in a location protected from weather and far from water and moisture.
• Keep all liquids away from the product. Liquids entering the product can short-circuit the electronics or damage the mechanics.
• Don't place this unit close to heat sources (radiators, spotlights, etc.)

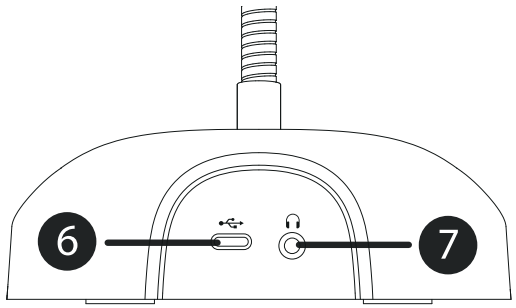
Product Structure

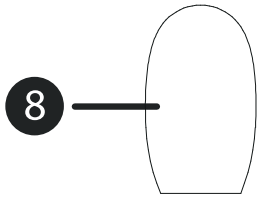


① **Microphone capsule**
② **Gooseneck**
③ **Gain control knob**
④ **Talk/ Mute button**
Press the button to mute or activate the microphone.
⑤ **LED indicator**

Mode	Indicator Status
Recording	Static Orange
Mute	Light off

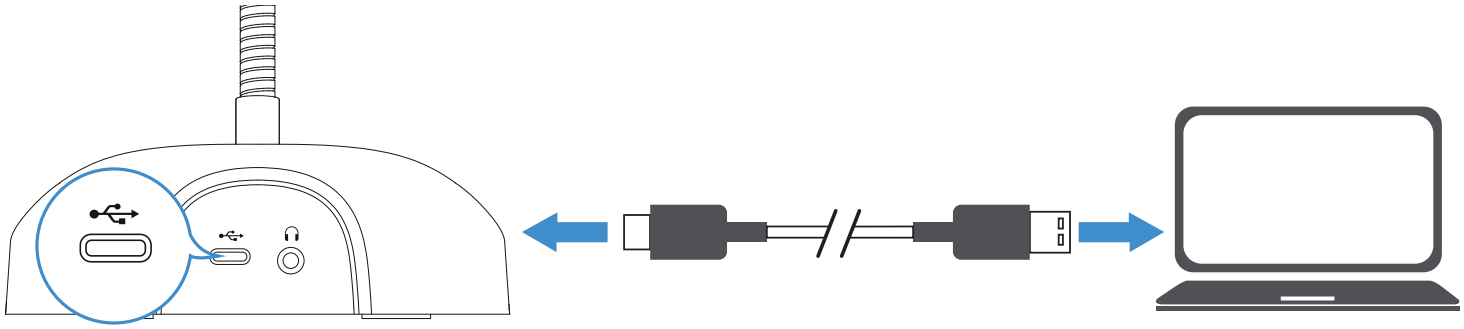
⑥ **USB-C port**
Can be used as an audio input or audio output, as well as a plug-in power port.
⑦ **3.5mm TRS monitor port**
Connect your headphones for audio monitoring.
⑧ **Foam windscreen**



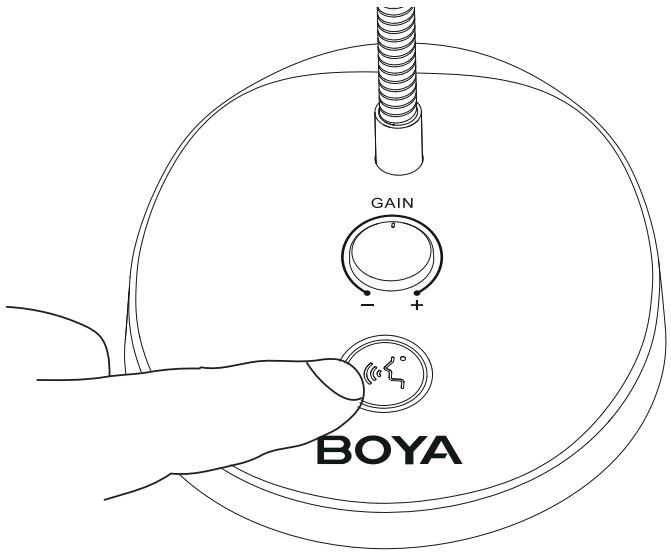


How to Use

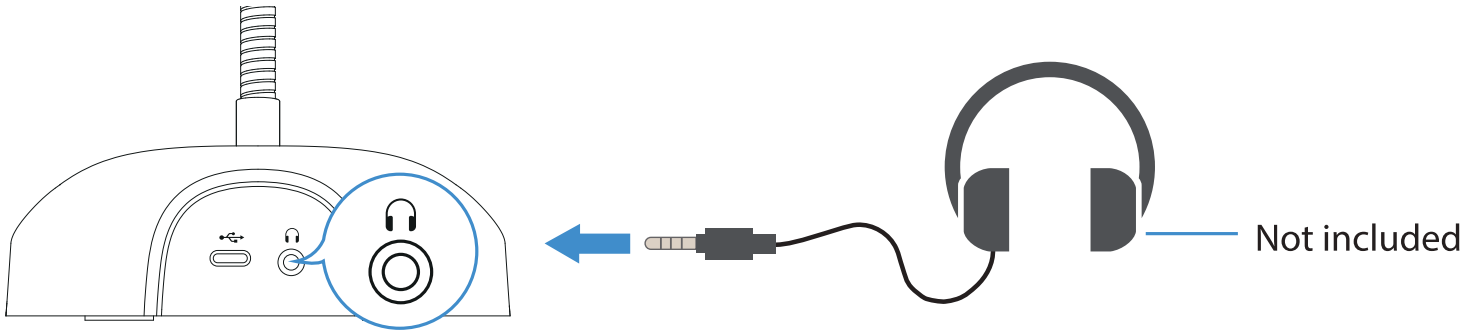
1. Connect the microphone to your laptop with the included USB-A to USB-C cable. Mic is activated, and the indicators light on (default state).



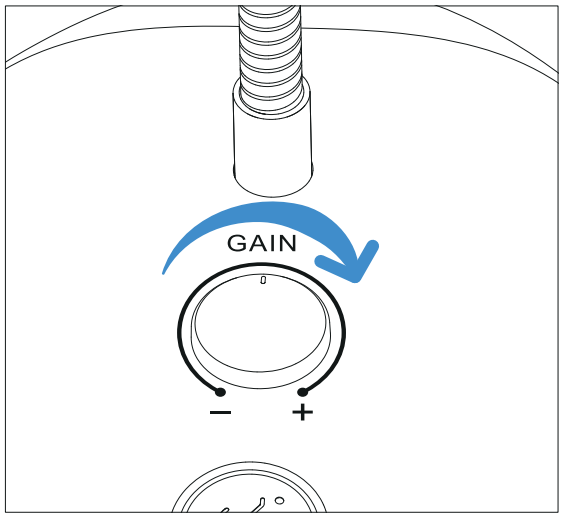
2. Press the " " button to mute the microphone, and the indicators will turn off. Press the " " button again to activate the microphone, and the indicators will turn orange.



3. Connect to your headphones to monitor your audio in real-time.



4. Adjust to the appropriate microphone input gain by rotating the knob on the base.

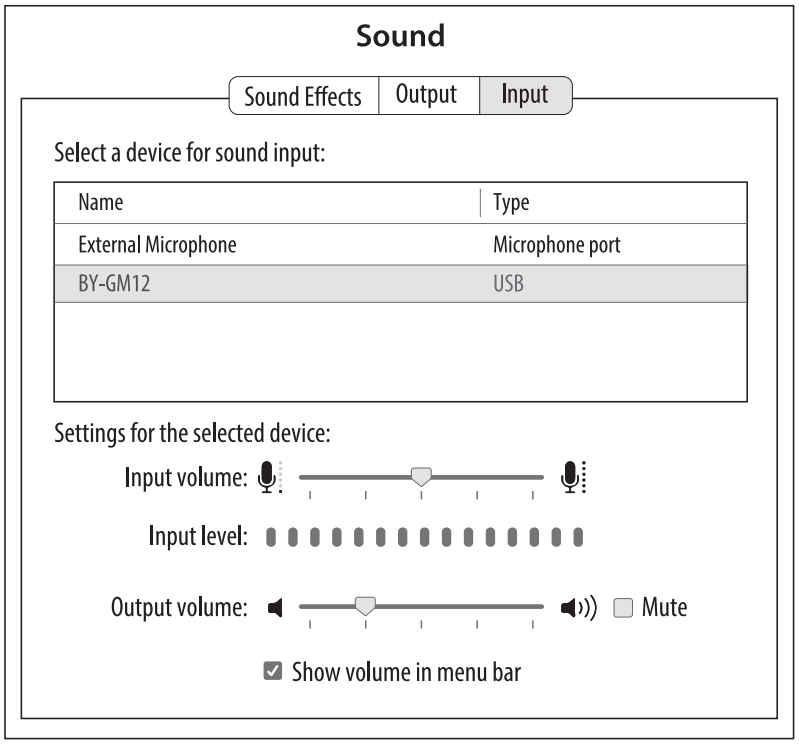


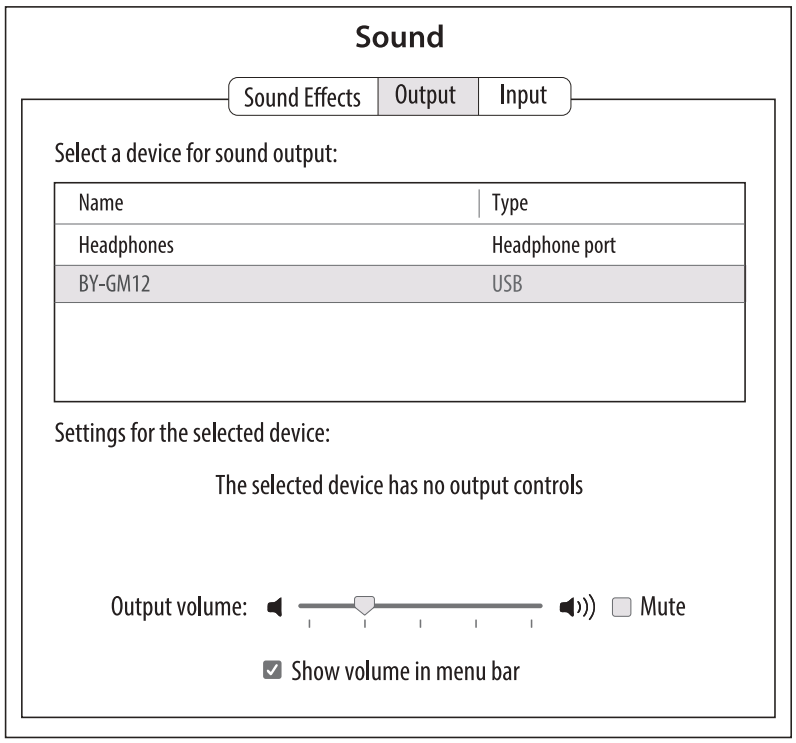
5. You are ready to record.

Procedure Setup

Set up for Mac

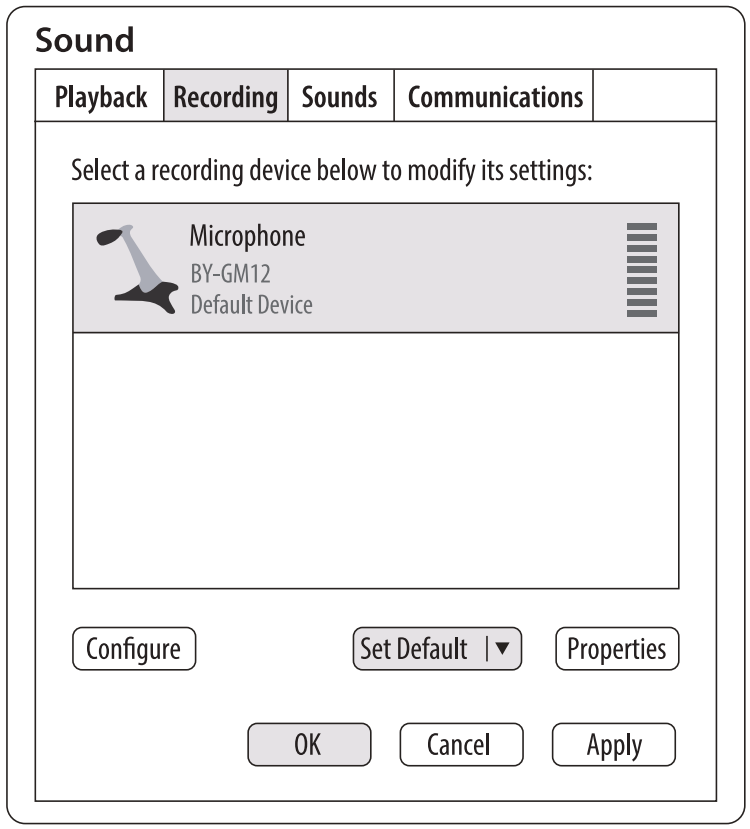
1. Connect the BY-GM12 to your laptop with the included USB-A to USB-C cable.
2. Open System Preferences and select the Sound icon.
3. Select "BY-GM12" under the “Input” tab.
4. Select "BY-GM12" under the “Output” tab.





Set up for Windows

1. Connect the BY-GM12 to your laptop with the included USB-A to USB-C cable.
2. Go to the Control Panel→Hardware and Sound→Manage audio devices.
3. Select "BY-GM12" as the default device under the “Playback” tab.
4. Select "BY-GM12" as the default device under the “Recording” tab.



Troubleshooting

If you encounter problems when using the unit, please refer to the following checklist before contacting technical support. If the problem cannot be solved, please contact the dealer's after-sales service department.

• If there is no sound from the unit or no sound when connected to a computer or smartphone

①Make sure your device is well connected with the unit and the unit model displayed on your device is "BY-GM12" .
②Make sure the external device is not muted or its volume is not turned to the minimum.
③Make sure the unit is not muted (the LED indicator is off when muted).
Press the " ⓜ " button to unmute it.

• If sound of the unit is too low or too loud or even distorted

Rotate the gain control knob to adjust the mic gain and find the most suitable gain level for recording in the current situation to improve the recording effect.

• Failed to connect to a smartphone

①Make sure the "OTG" of the smartphone has been enabled.
②If the smartphone is still not recognized, please contact our customer service.

• Current noise or other abnormal noise appears during monitoring

①Replace the connecting cable.
②Make sure there is no interference near the unit. If the noise still exists after changing the unit’s position, please contact our customer service.

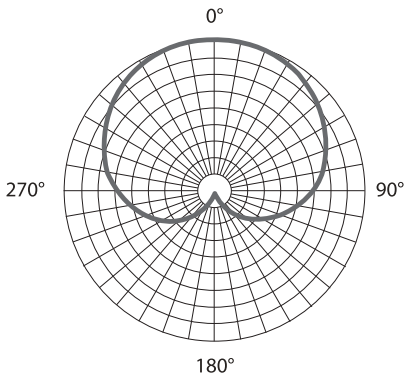
• Unable to adjust volume during playback

The gain control knob of the unit can only adjust the mic input gain. The volume during playback can be adjusted on the external device such as a computer or smartphone.

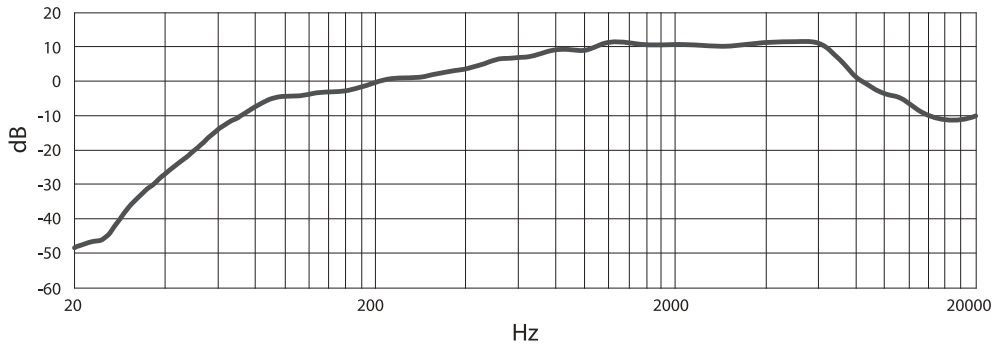
Specifications

Acoustic Principle	Condenser
Polar Pattern	Cardioid
Frequency Response	45Hz-18KHz
Sensitivity	-36dB±2dB (0dB=1V/Pa @ 1KHz)
Sampling Rates	48KHz
Bitrate	16bit/24bit
Signal-to-Noise Ratio	≥80dB
Maximum	115dB SPL
Mic Gain	0-30dB
Headphone Gain	0-30dB
Audio Input	USB-C audio port
Audio Output	USB-C audio port
	3.5 mm headphone jack
Dimensions	116mm × 141mm × 338mm (4.56 × 5.55 × 13.3″)
Weight	353.5g
Operating Temperature	0℃ to 50℃
Storage Temperature	-20℃ to +55℃

Polar Pattern



Frequency Response



In the Box

- Gooseneck Microphone
- USB-A to USB-C Cable (2m)
- User Manual
- Warranty Card

概述

感谢您选择博雅！

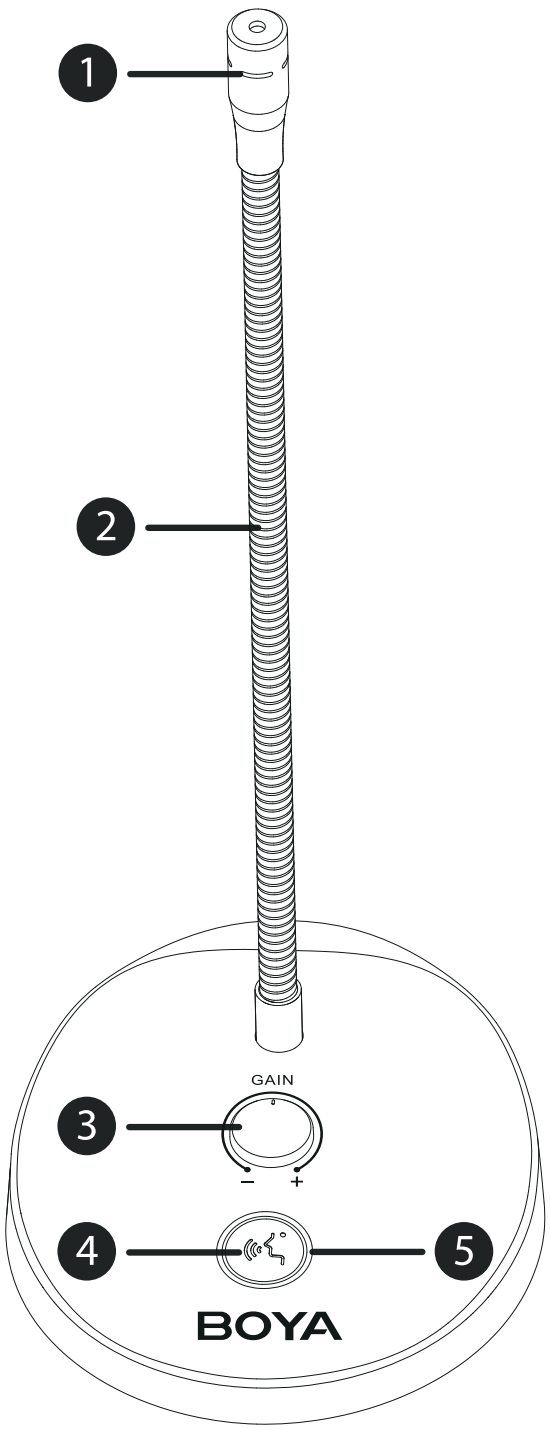
BY-GM12是一款桌面USB鹅颈麦克风，适用于讲座、视频会议、现场会议等多种场景。产品选用心形指向性麦克风，满足前方声音收录，会议场景发言效果更清晰。

BY-GM12有着清晰的状态指示灯和一键静音功能。3.5mm耳机输出可让您实时监听音频，增益控制旋钮可让您调整麦克风输入增益。鹅颈设计使您能够调整自如。BY-GM12由USB插入式电源供电，无需电池，即插即用。

注意事项

- 在操作产品前，请仔细阅读这些说明，并妥善保管说明书，以备将来使用。
- 警告！不正确的安装可能会损坏设备。
- 请将本机放置在不受天气影响且远离水和湿气的地方。
- 避免任何液体进入设备内部，否则会使设备短路或损坏。
- 请勿将本机靠近热源（散热器，聚光灯等）。

产品结构



① 咪头

② 鹅颈麦主体

③ 增益控制旋钮

④ 发言/静音键

短按此键可开启静音或取消静音。

⑤ LED指示灯

模式	指示灯
麦克风开启状态	橙灯常亮
麦克风静音状态	橙灯熄灭

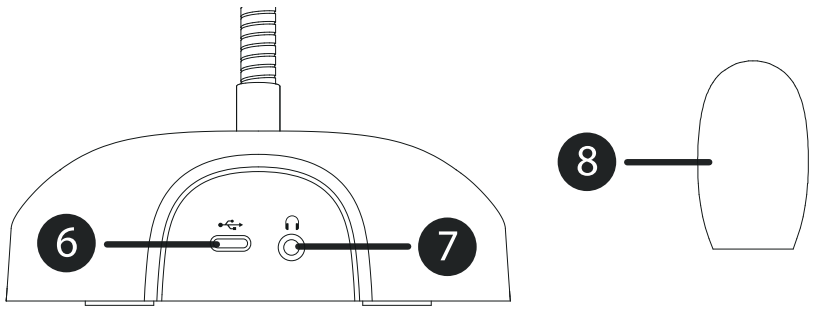
⑥ USB-C接口

可以作为音频输入与音频输出接口，同时也是直插式供电接口。

⑦ 3.5 mm耳机监听孔

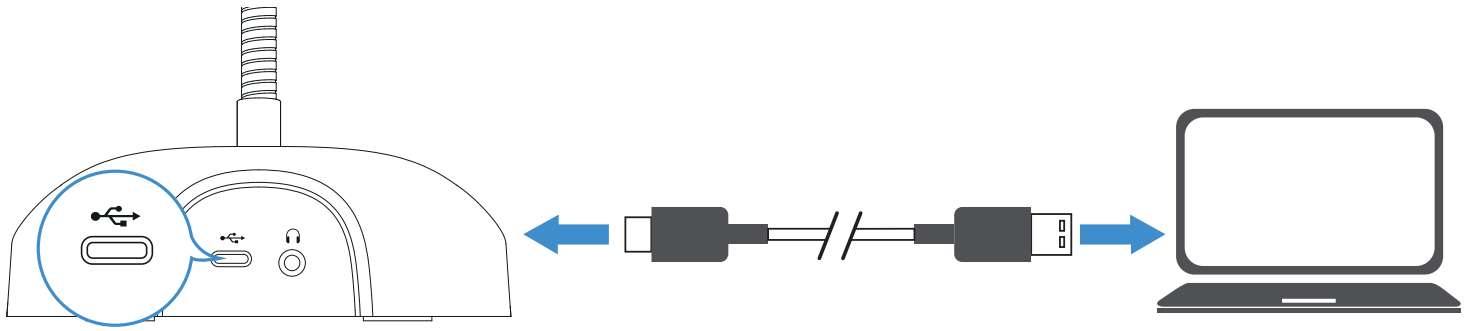
接入耳机进行音频监听。

⑧ 防风海绵

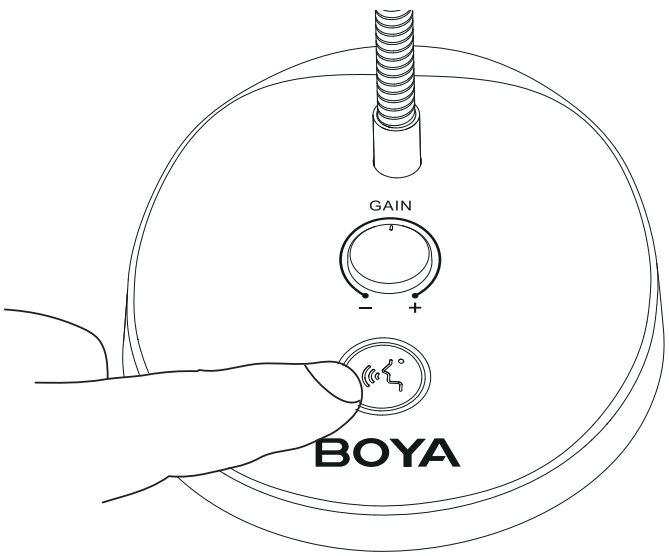


操作指南

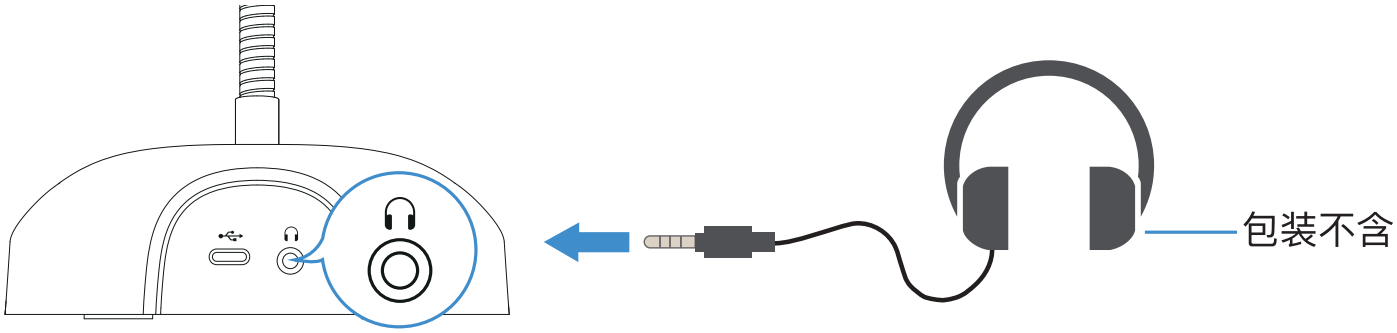
1. 使用随附的USB–A转USB–C数据线，将麦克风连接至电脑，麦克风默认处于开启状态，指示灯亮起；



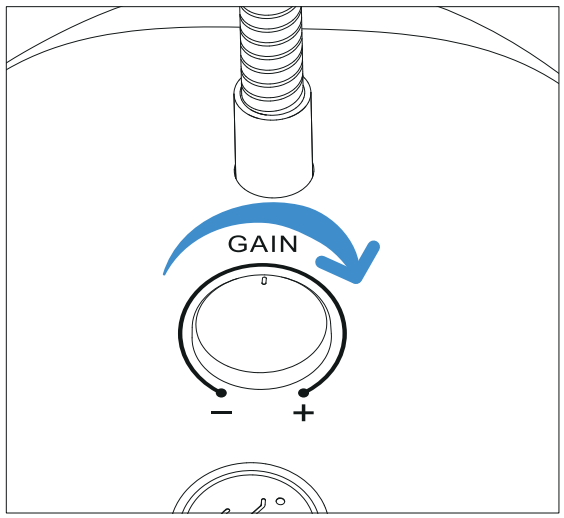
2. 短按“ ”按键，麦克风将转为静音状态，指示灯熄灭；再次短按“ ”按键，开启麦克风，指示灯呈橙色；



3. 连接耳机可实时监听音频；



4. 转动麦克风底座上的旋钮，调整到合适的麦克风输入增益大小。

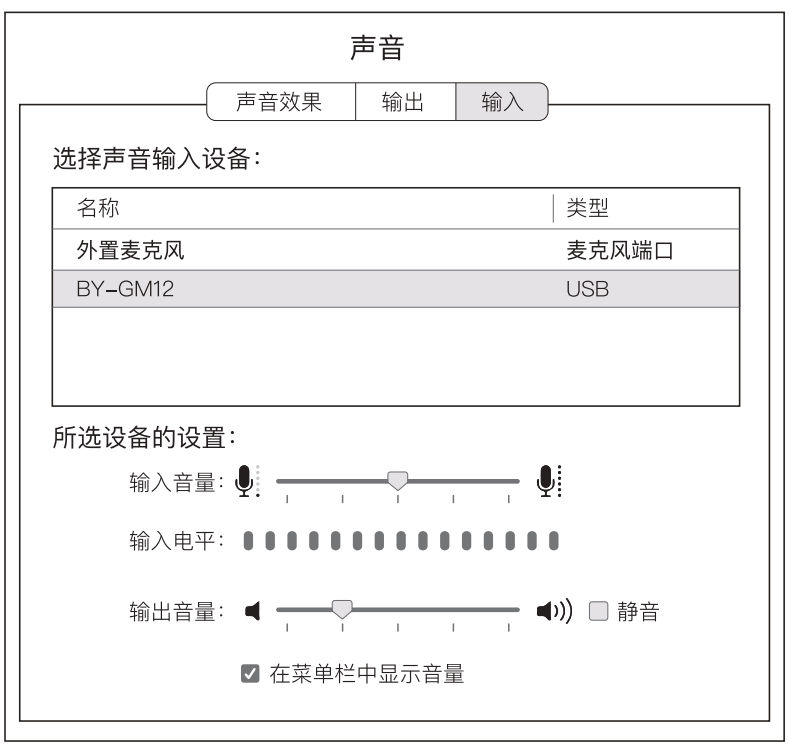


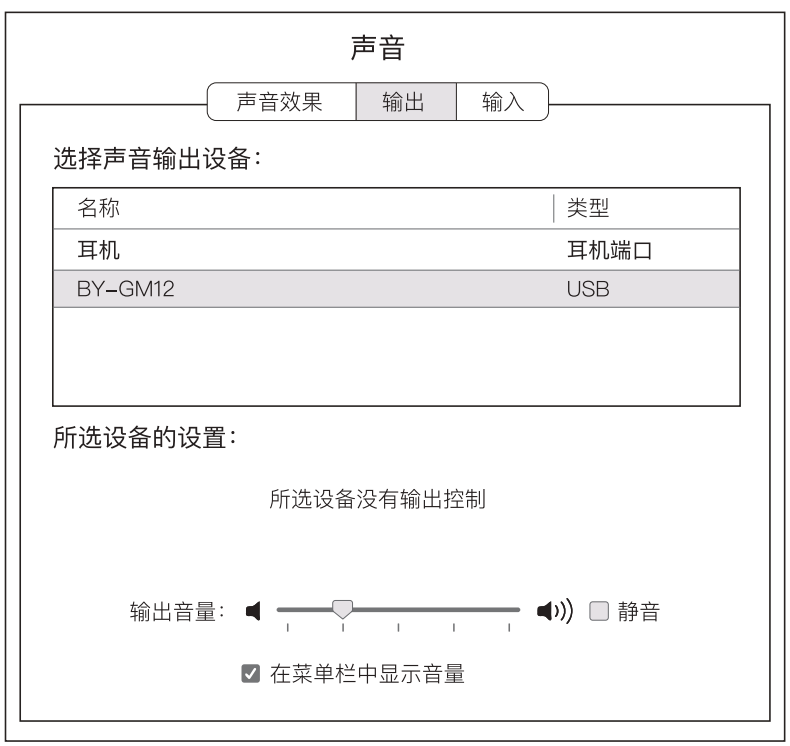
5. 开始录制。

程序设置

Mac系统程序设置

1. 使用随附的USB-A转USB-C数据线将BY-GM12接入电脑；
2. 打开“系统偏好设置”，然后选择“声音”图标；
3. 选择“BY-GM12”为输入设备；
4. 选择“BY-GM12”为输出设备。





Windows系统程序设置

1. 使用随附的USB–A转USB–C数据线将BY–GM12接入电脑；
2. 进入“控制面板”→“硬件和声音”→“管理音频设备”；
3. 在“播放”选项卡下选择“BY–GM12”为默认设备；
4. 在“录制”选项卡下选择“BY–GM12”为默认设备。

故障排除

在使用本机的过程中出现任何问题，请参照以下内容加以解决。如果此手册仍然无法解决您遇到的问题，请与我们当地的经销商售后服务部联系。

• 本机无声音或连接电脑/手机等无声音

①请检查本机是否连接正常，外接设备上显示的产品型号是否正确（BY-GM12）。

②请验证外接设备是否开启了静音或音量是否被调至最小。

③请验证本机是否开启了静音（指示灯熄灭），短按“ ”按键可取消静音。

• 本机声音过小或过大甚至破音

通过转动增益控制旋钮调节麦克风增益，找到最适合当前环境录制的增益档位，提高录制效果。

• 连接手机失败

①请验证手机是否已开启“OTG”开关。

②若仍不能识别手机，请联系客服咨询。

• 监听时有不干净的电流声或异常噪音等

①更换连接线。

②请检查本机附近是否有干扰源；若本机更换使用位置后还是有噪音，请联系客服咨询。

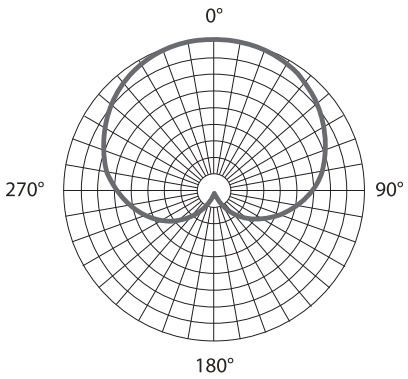
• 无法调节播放音量

本机增益控制旋钮仅可以调节麦克风输入增益，无法调节播放音量。若想调节播放音量，请在电脑或手机端等连接设备上进行调节。

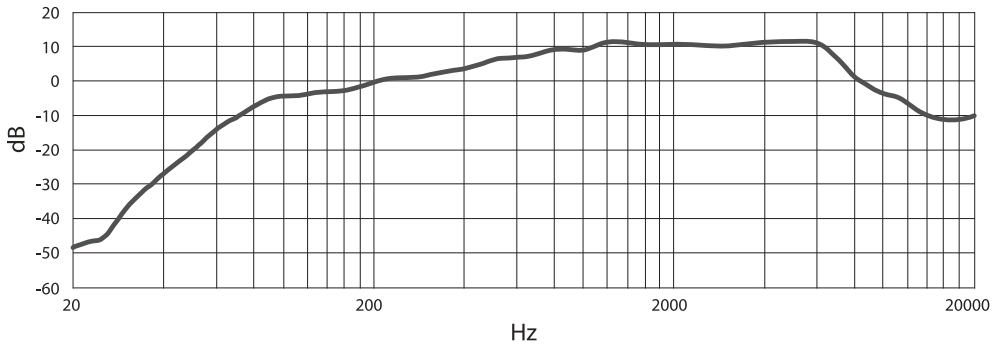
参数

声学原理	电容麦
拾音模式	心型
频率响应	45Hz–18KHz
灵敏度	–36dB±2dB (0dB=1V/Pa @ 1KHz)
采样率	48KHz
比特率	16bit/24bit
信噪比	⩾80dB
最大声压级	115dB SPL
耳机监听增益	0–30dB
麦克风增益控制	0–30dB
音频输入	USB–C音频接口
音频输出	USB–C音频接口
	3.5 mm耳机监听孔
尺寸	116mm × 141mm × 338mm (4.56 × 5.55 × 13.3’’)
重量	353.5g
工作温度	0℃ ~ 50℃
贮存温度	–20℃ ~ +55℃

极性图



频率响应



包装清单

- 鹅颈麦克风
- USB–A转USB–C数据线（2米）
- 用户手册
- 保修卡

www.boya-mic.com

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