

BOYA

Ultracompact 2.4GHz Wireless Microphone System

2.4GHz迷你无线麦克风系统

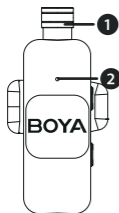
BY-V

User Manual
用户手册



Product Structure

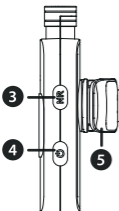
BY-V1-TX/ BY-V2-TX: Wireless Transmitter



1. Built-in Microphone

2. Status Indicator

| Status | Indicator |
|---------------------|-----------------------------------|
| Unpaired | Blinking blue and red alternately |
| Paired Successfully | Static blue |
| Mute | Blinking blue |
| Noise Reduction ON | Static green |
| Low Battery | Blinking red |
| Charging | Static red |
| Fully Charged | Red light off |



Note:

- 1) If charging the unit when it is ON, the indicator will display the current working status instead of charging status.
- 2) Please charge the transmitter in time when in a low battery status, or it will auto shut off within 10 mins.
- 3) The function of noise reduction cannot be turned on or off in mute mode.

3. NR Button

Press to turn on or off the function of noise reduction.

4. Power Button

- Press and hold for 2 seconds to power on or off.
- Press to mute or unmute the microphone.

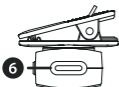
5. Belt Clip

It can rotate 360 degrees.

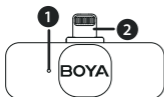
6. USB-C Charging Port

For charging the transmitter.

7. Foam Windscreen



BY-V1-RX/ BY-V2-RX: Compact Receiver with Lightning Connector



1. Status Indicator

| Status | Indicator |
|---------------------|---------------|
| Unpaired | Blinking blue |
| Paired Successfully | Static blue |



2. MFi Certified Lightning Connector

It can be connected to an iOS Lightning device.

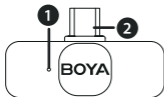
3. USB-C Charging Port

When the BY-V1-RX or BY-V2-RX is plugged into an external device, the external device can be powered via this charging port.

Note:

iPhones and iPads can be powered and charged through this port while in use, which also supports up to 3A charging current.

BY-V10-RX/ BY-V20-RX: Compact Receiver with USB-C Connector



1. Status Indicator

| Status | Indicator |
|---------------------|---------------|
| Unpaired | Blinking blue |
| Paired Successfully | Static blue |



2. USB-C Connector

It can be connected to an Android Smartphone, Tablet, Computer and other USB-C devices.

3. USB-C Charging Port

When the BY-V10-RX or BY-V20-RX is plugged into an external device, the external device can be powered via this charging port.

Note:

Most USB-C devices can be powered and charged through this port while in use.

How to use

For the kit of BY-V1/ BY-V10

1. Press and hold the power button for 2 seconds to turn on the BY-V1-TX transmitter.
2. Plug the BY-V1-RX into an iOS Lightning device or the BY-V10-RX into a USB-C device.
3. Transmitter and receiver will be successfully paired within 10 seconds.
4. You are ready to record.

For the kit of BY-V2/ BY-V20

1. Press and hold the power button for 2 seconds to turn on two BY-V2-TX transmitters.
2. Plug the BY-V2-RX into an iOS Lightning device or the BY-V20-RX into a USB-C device.
3. Transmitters and receiver will be successfully paired within 10 seconds.
4. You are ready to record.

Note:

Due to 2.4GHz wireless frequency, signal can be easily attenuated. Please try to avoid obstacles, such as walls and buildings, and avoid close proximity to devices with 2.4GHz signal, such as high-power Wi-Fi antennas, radios, etc.

Specifications

| | |
|--------------------------------|---|
| Transmission Type | 2.4GHz |
| Poplar Pattern | Omnidirectional |
| Frequency Response | 20Hz-16kHz |
| Signal-to-noise Ratio | 80dB |
| Sensitivity | -42dB |
| Operating Range | 50m (without obstacles) |
| RF Output Power | 6dBm |
| Charging Port | USB-C |
| Transmitter's Battery Capacity | 95mAh |
| Transmitter's Charging Time | Approx. 2 hours |
| Transmitter's Battery Life | Approx. 9 hours |
| Receiver's Power Requirement | Supplied by External Devices |
| Weight | BY-V1-TX/ BY-V2-TX: 9.5g |
| | BY-V1-RX/ BY-V2-RX: 6g |
| | BY-V10-RX/ BY-V20-RX: 6g |
| Dimensions | BY-V1-TX/ BY-V2-TX: 52.22x25.23x19.75mm |
| | BY-V1-RX/ BY-V2-RX: 43.92x23.5x9.3mm |
| | BY-V10-RX/ BY-V20-RX: 43.92x24.7x9.3mm |

Packing List

BY-V1

BY-V1-TX Transmitter x1
BY-V1-RX Receiver x1
USB-C Charging Cable x1
Foam Windscreen x1

BY-V10

BY-V1-TX Transmitter x1
BY-V10-RX Receiver x1
USB-C Charging Cable x1
Foam Windscreen x1

BY-V2

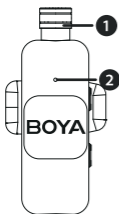
BY-V2-TX Transmitter x2
BY-V2-RX Receiver x1
USB-C Charging Cable x2
Foam Windscreen x2

BY-V20

BY-V2-TX Transmitter x2
BY-V20-RX Receiver x1
USB-C Charging Cable x2
Foam Windscreen x2

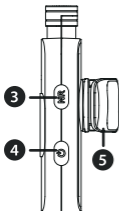
产品结构

BY-V1-TX/ BY-V2-TX：无线发射器



1. 内置麦克风
2. 状态指示灯

| 状态 | 指示灯 |
|------|---------|
| 未联机 | 红蓝灯交替闪烁 |
| 联机成功 | 蓝灯常亮 |
| 静音模式 | 蓝灯闪烁 |
| 降噪开启 | 绿灯常亮 |
| 低电量 | 红灯闪烁 |
| 充电中 | 红灯常亮 |
| 充满电 | 红灯熄灭 |



注意：

- 1) 若在开机状态下进行充电，指示灯将优先显示当前工作状态（而非充电状态）；
- 2) 发射器处于低电量时请及时充电，否则发射器将在10分钟内自动关机；
- 3) 静音模式下无法开启或关闭降噪功能。

3. NR键

短按开启/关闭降噪功能。

4. 电源键

长按2秒开/关机，短按开启/关闭静音模式。

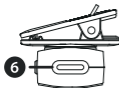
5. 背夹

可360°旋转。

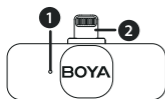
6. USB-C充电口

用于给发射器充电。

7. 防风海绵



BY-V1-RX/ BY-V2-RX: Lightning接收器



1. 状态指示灯

| 状态 | 指示灯 |
|------|------|
| 未联机 | 蓝灯闪烁 |
| 联机成功 | 蓝灯常亮 |



2. MFi认证Lightning接头

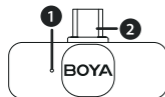
可接入带Lightning接口的iOS设备。

3. USB-C充电孔

当BY-V1-RX或BY-V2-RX接收器插入外部设备时，可通过此充电端口为外部设备充电。

注：此充电口支持给iPad、iPhone充电，且支持最大3A的充电电流。

BY-V10-RX/ BY-V20-RX: USB-C接收器



1. 状态指示灯

| 状态 | 指示灯 |
|------|------|
| 未联机 | 蓝灯闪烁 |
| 联机成功 | 蓝灯常亮 |



2. USB-C接头

可连接至安卓手机、平板、电脑或其他带USB-C接口的设备。

3. USB-C充电孔

当BY-V10-RX或BY-V20-RX接收器插入外部设备时，可通过此充电端口为外部设备充电。

注：此充电口支持给大部分USB-C设备充电。

使用方法

BY-V1/ BY-V10套装

1. 长按电源键2秒，将BY-V1-TX发射器开机；
2. 将BY-V1-RX接收器插入带Lightning接口的iOS设备或将BY-V10-RX接收器插入USB-C设备；
3. 发射器和接收器将在10秒内完成配对；
4. 开始录音。

BY-V2/ BY-V20套装

1. 长按电源键2秒，将两个BY-V2-TX发射器开机；
2. 将BY-V2-RX接收器插入带Lightning接口的iOS设备或将BY-V20-RX接收器插入USB-C设备；
3. 发射器和接收器将在10秒内完成配对；
4. 开始录音。

注意：

由于在2.4GHz频谱下，信号很容易受干扰，请尽量避开墙壁和建筑物等障碍物，避免接近2.4GHz频率的设备，如大功率Wi-Fi天线、收音机等。

参数

| | |
|---------|---|
| 传输方式 | 2.4GHz |
| 极性模式 | 全向型 |
| 频率响应 | 20Hz-16kHz |
| 信噪比 | 80dB |
| 灵敏度 | -42dB |
| 操作范围 | 50米（无障碍） |
| RF输出功率 | 6dBm |
| 充电接口 | USB-C |
| 发射器电池容量 | 95mAh |
| 发射器充电时间 | 约2小时 |
| 发射器续航时间 | 约9小时 |
| 接收器供电方式 | 外接设备供电 |
| 重量 | BY-V1-TX/ BY-V2-TX: 9.5g |
| | BY-V1-RX/ BY-V2-RX: 6g |
| | BY-V10-RX/ BY-V20-RX: 6g |
| 尺寸 | BY-V1-TX/ BY-V2-TX: 52.22x25.23x19.75mm |
| | BY-V1-RX/ BY-V2-RX: 43.92x23.5x9.3mm |
| | BY-V10-RX/ BY-V20-RX: 43.92x24.7x9.3mm |

包装清单

BY-V1

BY-V1-TX发射器 x1
BY-V1-RX接收器 x1
USB-C充电线 x1
防风海绵 x1

BY-V10

BY-V1-TX发射器 x1
BY-V10-RX接收器 x1
USB-C充电线 x1
防风海绵 x1

BY-V2

BY-V2-TX发射器 x2
BY-V2-RX接收器 x1
USB-C充电线 x2
防风海绵 x2

BY-V20

BY-V2-TX发射器 x2
BY-V20-RX接收器 x1
USB-C充电线 x2
防风海绵 x2

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