

BOYA

2.4 GHz Wireless Microphone System

2.4 GHz无线麦克风系统

BY-V

User Manual
用户手册

Statement

Please read this manual carefully before using, and strictly operate and store it in accordance with the instructions. Please save the manual for future reference. If you need further assistance than the user manual, please consult your retailer for help or email us at: support@boya-mic.com

Cautions

1. Non-professional teardown is strictly prohibited.
2. Please keep it away from heat sources such as radiators or spotlights.
3. Do not remove the battery without professionals' help.
4. Please clean the device with only a soft, dry cloth.
5. When using and storing, please keep away from the dust and moisture.
6. For the best pick-up pattern, do not hold your hand against the microphone capsule cover.

General Introduction

BY-V, a lightweight and easy-to-use 2.4 G wireless microphone system, renders ease of operation and remarkable flexibility for high-quality recording. The microphone system supports connecting a receiver with 2 transmitters for 2-person recording, ideal for content creation, live streaming, vlogging, mobile journalism, and more.

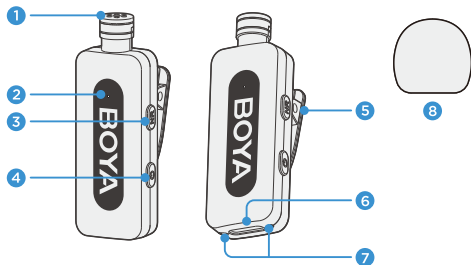
The transmitter features an in-built microphone, and a belt clip that pivots 360 degrees for flexible positioning of the transmitter on clothes. The BY-V offers multiple configurations with three kinds of receiver options that support USB-C, Lightning, and 3.5 mm TRS outputs, making it widely compatible with smartphones, computers, cameras. All these three receivers allow users to play audio directly without unplugging the receiver. Additionally, when using the BY-V-RXU or BY-V-RXD receiver with a smartphone, the receiver's USB-C port can be connected to a charging cable for charging the phone. The BY-V-RX receiver supports mono and stereo recording modes, providing flexibility for different recording scenarios. Each transmitter delivers 9 hours of recording time on a single charge. Additionally, the charging case allows you to charge transmitters while on the go.

Features

- TX weighs 10.5 g only
- Transmission range up to 100 m
- Camera version: 45 h battery life powered by charging case
USB-C/Lightning version: 36 h battery life powered by charging case;
- Rotatable clip and omnidirectional polar pattern
- Noise cancellation with foam cover and algorithm

Product Structure

BY-V-TX Transmitter



❶ Built-in Microphone

❷ Indicator

| Status | Indicator |
|-----------------------------|-----------------------------------|
| Unpaired | Blinking blue and red alternately |
| Paired successfully | Static blue |
| Microphone Muted | Blinking blue slowly |
| Noise reduction enabled | Static green |
| Low battery | Blinking red |
| Charging (in shutdown mode) | Static red |

Note:

- Please charge the transmitter when the indicator indicates low battery status, or it will automatically shut off within 10 minutes.

③ NR Button

Press to enable or disable the noise reduction.

- The noise reduction feature cannot be enabled or disabled when the microphone is muted.
- Noise reduction cannot be activated when the transmitter is unpaired with the receiver.

④ Power Button

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

Note:

- When not paired, the transmitter will automatically shut down after 10 minutes.
- The mute feature is unavailable when the transmitter and receiver are unpaired.

⑤ Belt Clip

It can rotate 360 degrees.

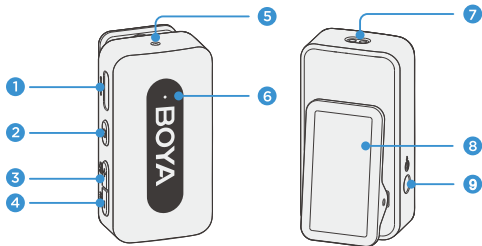
⑥ USB-C Charging Port

For charging the transmitter.

⑦ Charging Contacts

⑧ Foam Windscreen

BY-V-RX Receiver



❶ USB-C Data Port

For charging the receiver. It also supports connecting to a phone to transmit the audio recorded by the transmitter to the phone.

❷ Power Button

Press and hold for 2 seconds to power on or off.

❸ Volume Up Button / Phone's Speaker Switch

- Press this button to raise the volume.
- When the receiver is connected to your phone, you can press and hold this button for 3 seconds to playback your recordings without the need to unplug the receiver. Note that this function is only supported when the receiver is connected to a phone via its USB-C data port. If the receiver is connected to a camera via its 3.5 mm TRS output jack, this function is not supported.

❹ Volume Down Button / Mode Switching Button

- Press this button to lower the volume.
- The receiver supports two recording modes: Mono and Stereo. You can switch between them by pressing and holding this button for 3 seconds.

5 Function Indicator

| Function | Indicator |
|---------------------------|---|
| Mono mode | Static blue |
| Stereo mode | Static green |
| Raise or lower the volume | Blinking once quickly (Gain level 1) |
| | Blinking twice quickly (Gain level 2) |
| | Blinking 3 times quickly (Gain level 3) |

6 Status Indicator

| Status | Indicator |
|---------------------------|-----------------------------------|
| Powering on | Blinking blue and red alternately |
| Unpaired | Blinking blue and red |
| Paired successfully | Static blue |
| Phone's speaker enabled | Blinking blue 3 times |
| Low battery | Blinking red (every 5 seconds) |
| Charging in shutdown mode | Static red |
| Fully charged | Red light off |

7 Charging Contacts

Charging will begin when the charging contacts of the receiver connect to the charging contacts of the charging case.

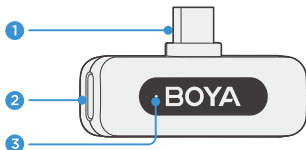
8 Belt Clip

For mounting the receiver on a camera.

9 3.5 mm TRS output

Connect the receiver to a camera using the included 3.5 mm TRS to TRS audio cable, and the audio recorded by the transmitter will be transmitted to the camera.

BY-V-RXU Receiver



❶ USB-C Connector

It can be connected to a device featuring a USB-C port.

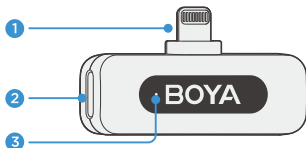
❷ USB-C Port

It can be connected to a charging cable to charge your smartphone when the receiver is connected to the phone.

❸ Indicator

| Status | Indicator |
|---------------------|-------------|
| Unpaired | Blinks blue |
| Paired successfully | Static blue |

BY-V-RXD Receiver



❶ MFi Certified Lightning Connector

It can be connected to a device featuring a Lightning port.

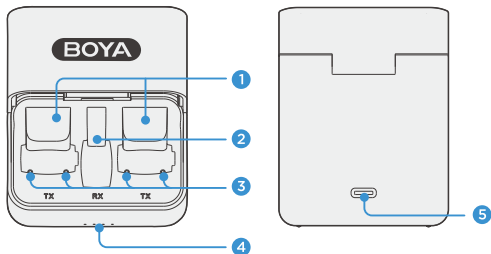
❷ USB-C Port

It can be connected to a charging cable to charge your smartphone when the receiver is connected to the phone.

❸ Indicator

| Status | Indicator |
|---------------------|-------------|
| Unpaired | Blinks blue |
| Paired successfully | Static blue |

BY-V-CC Charging Case



❶ Slot for Transmitters

❷ Slot for Receiver

❸ Charging Contacts

For charging transmitters.

❹ Indicators

- When the charging case is connected to power, these indicators display as follows:

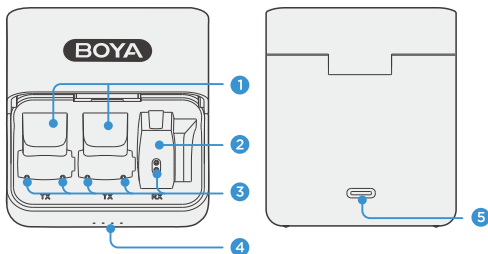
| Battery level (case) | Indicator |
|----------------------|-----------|
| 25% or lower | ❶ ● ● ● |
| 26% - 50% | ❶ ❶ ● ● |
| 51%~75% | ❶ ❶ ❶ ● |
| 76%~99% | ❶ ❶ ❶ ❶ |
| 100% | ❶ ❶ ❶ ❶ |

- When the charging case is not connected to power and the transmitter(s) is placed into it, these four indicators will display the case's current battery level. Four indicators can show the case's battery level with 4 scales, 25%, 50%, 75%, 100%. Each indicator represents 25%.

⑤ USB-C Charging Port

For charging the case.

BY-V-CCC Charging Case



① Slot for Transmitters




















② Slot for Receiver

③ Charging Contacts

For charging transmitters and receiver.

④ Indicators

- When the charging case is connected to power, these indicators display as follows:

| Battery level (case) | Indicator |
|----------------------|---|
| 25% or lower |     |
| 26% - 50% |     |
| 51%~75% |     |
| 76%~99% |     |
| 100% |     |

- When the charging case is not connected to power and the transmitter(s) and receiver are placed into it, these four indicators will display the case's current battery level. Four indicators can show the case's battery level with 4 scales, 25%, 50%, 75%, 100%. Each indicator represents 25%.

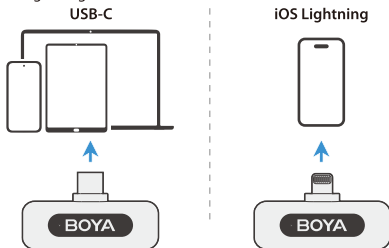
⑤ USB-C Charging Port

For charging the case.

How to Use

For BY-V3 combo, BY-V30, BY-V3, BY-V20, BY-V2, BY-V10, BY-V1 package

1. The transmitter(s) will power on automatically once removed from the charging case. The transmitter(s) can be attached to clothes through its belt clip.
2. Plug the BY-V-RXU receiver into a USB-C device or the BY-V-RXD receiver into a Lightning device.



3. The transmitter(s) and receiver are pre-paired before leaving the factory. Therefore, they will be paired once the transmitter(s) are powered on and the receiver are plugged into your device. Their indicators will glow static blue if paired successfully.
4. Launch a video or audio recording app on your device.
5. Some phones may default to using its built-in microphone, so you need to switch to the external microphone (BY-V).
6. You are ready to record.

For BY-V35 package

1. The transmitter(s) and BY-V-RX receiver will automatically power on once removed from the charging case.
2. The transmitter(s) and receiver are pre-paired before leaving the factory. Therefore, they will automatically pair with each other once powered

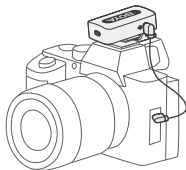
on. Their indicators will glow static blue if paired successfully.

3. Place the transmitter(s) on clothes through its belt clip.

4. Using the receiver

- Using with a camera

Connect the 3.5 mm TRS output on the receiver to the microphone port of a camera using the 3.5 mm TRS to TRS audio cable provided. Refer to the camera's accompanying user manual to start recording, then the audio captured by the transmitter(s) will be transferred to the camera.



- Using with a phone

The receiver can also be connected to a phone via its USB-C data port using a correct data cable (not included), then the transmitter's audio to be transmitted to the phone. Start a video or audio recording application on your phone to begin recording. Some phones may default to using its built-in microphone, so you may need to switch to the external microphone (BY-V).

Tips:

1. It is recommended to record a sample and play it back to check if the audio level is acceptable before recording.
2. To improve the recording effect in a noisy environment, it is recommended to press the NR button on the transmitter(s) to enable noise reduction.

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

Troubleshooting

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

The unit fails to pair

Make sure to pair the transmitter(s) with one receiver. If paired with more than one receiver, which receiver will be paired with the transmitter(s) cannot be specified.

No sound from the unit or no sound when connected to an external device

- Make sure the connector on the receiver is well connected to your device.
- Make sure the transmitter(s) is not muted. If its indicator blinks blue slowly, users need to press the power button once to unmute the transmitter(s).

The operation range of the unit is limited and the sound is frequently intermittent

Make sure there is no interference between the transmitter(s) and receiver. If the intermittent sound still occurs frequently, please contact our customer service.

The unit shuts off automatically

When not paired, the transmitter(s) will automatically shut down after 10 minutes.

The unit fails to be powered on

Make sure the unit has enough battery to be powered on. Try plugging in a charging cable to activate the circuit.

The charging case fails to charge the unit

- Make sure the charging case's battery is not depleted. Try charging the case.
- Wipe the charging contacts of the unit and charging pins of the charging case with a clean cloth and to make sure no dust is covering them.

- Try to push down the unit placed in the charging case until the charging contacts are fully connected . After that, if the unit still fails to be charged, the magnetic force may be aging. Please contact our customer service.

Specifications

BY-V-TX Transmitter

| | |
|---------------------------|---------------------------|
| Transmission Type | 2.4 GHz |
| Modulation | GFSK |
| Polar Pattern | Omnidirectional |
| Antenna | PCB |
| Operating Range | 100 m (without obstacles) |
| Distortion | ≤0.1% |
| Frequency Response | 20 Hz - 16 kHz |
| Sensitivity | -42 dB |
| RF Output Power | ≤10 dBm |
| Sampling Rate | 48 kHz |
| Signal-to-Noise Ratio | 80 dB |
| Audio Input | Built-in capsule |
| Battery Voltage/ Capacity | 3.7 V / 95 mAh |
| Power Supply | Built-in Li-ion battery |
| Battery Life | Approx. 9 hours |
| Charging Time | Approx. 2 hours |
| Weight | Approx. 10.5 g |
| Dimensions | 53.1 × 18.3 × 10.2 mm |
| Operating Temperature | 0°C to +50°C |
| Storage Temperature | -20°C to +55°C |

BY-V-RX Receiver

| | |
|---------------------------|------------------------------------|
| Transmission Type | 2.4 GHz |
| Polar Pattern | Omnidirectional |
| Antenna | FPC |
| Operating Range | 100 m (without obstacles) |
| Frequency Response | 20 Hz - 16 kHz |
| Sampling Rate | 48 kHz |
| Bit Rate | 16 bit |
| Signal-to-Noise Ratio | 80 dB |
| Audio Output | 3.5 mm TRS; USB-C data port |
| Charging Port | USB-C data port; charging contacts |
| Power Supply | In-built lithium-ion battery |
| In-built Battery Capacity | 130 mAh |
| In-built Battery Life | Approx. 9 hours |
| Charging Time | Approx. 2 hours |
| Weight | Approx. 14 g |
| Dimensions | 45 × 23.8 × 12.5 mm |
| Operating Temperature | 0°C to +50°C |
| Storage Temperature | -20°C to +55°C |

BY-V-RXU Receiver / BY-V-RXD Receiver

| | |
|-----------------------|-------------------------------|
| Transmission Type | 2.4 GHz |
| Modulation | GFSK |
| Polar Pattern | Omnidirectional |
| Antenna | PCB |
| Operating Range | 100 m (without obstacles) |
| Signal-to-Noise Ratio | 80 dB |
| RF Output Power | ≤ 10 dBm |
| Distortion | $\leq 0.1\%$ |
| Frequency Response | 20 Hz - 16 kHz |
| Power Supply | Powered by an external device |
| Audio Output | RXU: USB-C |
| | RXD: Lightning |
| Weight | RXU: Approx.5.5 g |
| | RXD : Approx.6 g |
| Dimensions | RXU: 43.9 x 15.5 x 10 mm |
| | RXD: 43.9 x 15.5 x 10 mm |
| Operating Temperature | 0°C to +50°C |
| Storage Temperature | -20°C to +55°C |

BY-V-CC / CCC Charging Case

| | |
|-----------------------|-------------------------------|
| Battery Type | Built-in Li-ion battery |
| Battery Capacity | CC: 3.7 V / 400 mAh |
| | CCC: 3.7 V / 850 mAh |
| Charging Time | Approx. 2 hours |
| Power Supply | USB-C (DC 5 V / 1 A) |
| Charge Cycle Times | CC: Approx. once (2*TX) |
| | CCC: Approx. once (2*TX+1*RX) |
| Weight | CC: Approx. 86.5 g |
| | CCC: Approx. 95 g |
| Dimensions | CC: 62 × 38.5 × 79.8 mm |
| | CCC: 70 × 38.5 × 79.8 mm |
| Operating Temperature | 0°C to +50°C |
| Storage Temperature | -20°C to +55°C |

Packing List

BY-V3 combo (USB-C & Lightning)

Transmitter × 2

RXU Receiver × 1

RXD Receiver × 1

CC Charging Case × 1

Foam Windscreen × 2

USB-A to USB-C Charging Cable × 1

Carrying Bag × 1

BY-V30 (USB-C)

Transmitter × 2
RXU Receiver × 1
CC Charging Case × 1
Foam Windscreen × 2
USB-A to USB-C Charging Cable × 1
Carrying Bag × 1

BY-V3 (Lightning)

Transmitter × 2
RXD Receiver × 1
CC Charging Case × 1
Foam Windscreen × 2
USB-A to USB-C Charging Cable × 1
Carrying Bag × 1

BY-V20 (USB-C)

Transmitter × 2
RXU Receiver × 1
Foam Windscreen × 2
USB-A to USB-C Charging Cable × 2
Carrying Bag × 1

BY-V2 (Lightning)

Transmitter × 2
RXD Receiver × 1
Foam Windscreen × 2
USB-A to USB-C Charging Cable × 2
Carrying Bag × 1

BY-V10 (USB-C)

Transmitter × 1
RXU Receiver × 1
Foam Windscreen × 1
USB-A to USB-C Charging Cable × 1
Carrying Bag × 1

BY-V1 (Lightning)

Transmitter × 1
RXD Receiver × 1
Foam Windscreen × 1
USB-A to USB-C Charging Cable × 1
Carrying Bag × 1

BY-V35 (For Camera)

Transmitter × 2
RX Receiver × 1
CCC Charging Case × 1
Foam Windscreen × 2
USB-C to USB-A Charging Cable × 1
3.5 mm TRS to TRS Audio Cable × 1
Carrying Bag × 1

声明

请在使用前仔细阅读本手册，并严格按照说明进行操作和存储。请妥善保管好说明书以供将来参考。如果用户手册不能帮助您解决某些问题，请向零售商寻求帮助或给我们发送电子邮件：

support@boya-mic.com

注意事项

1. 请勿擅自拆开机壳；
2. 请勿将本机靠近热源，如散热器、聚光灯或其他产生热量的设备；
3. 电池不可自行更换；
4. 请使用柔软的干布清洁本设备；
5. 在使用和储存时，请注意防尘和防潮。
6. 为获得最佳拾音效果，请勿将手放在麦克风咪头上。

概述

BY-V 是一款轻巧便携、易于使用的 2.4 G 无线麦克风系统，提供出色的高品质音频同时，可支持一拖二多人使用场景，适用于内容创作、直播、Vlog 拍摄、移动新闻等应用场景。

轻薄小巧的发射器，具有内置麦克风，可以轻松夹在衣服上使用，其背夹可旋转 360°，方便用户灵活调节发射器在衣服上的固定位置。BY-V 预设多种配置，提供三款接收器供选择，支持 USB-C、Lightning 和 3.5 mm TRS 输出，广泛兼容手机、电脑、相机等设备。这三款接收器均支持免拔插外放功能，在录音过程中无需拔下接收器即可直接外放音频。此外，USB-C 接收器和 Lightning 接收器连接手机使用时，可通过其 USB-C 接口接入充电线为手机充电；3.5 mm TRS 接收器可设置单声道或立体声录制模式，灵活应对不同录音场景。

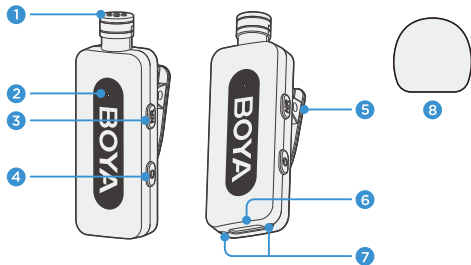
每个发射器一次充电可支持 9 小时超长续航，搭配充电盒随时随地为发射器提供移动电源，快速解决充电难题，便于出行携带。

特点

- 麦克风仅 10.5 克
- 无障碍传输距离 100 米
- 使用充电盒，相机版综合续航 45 小时；USB-C/Lightning 版综合续航 36 小时
- 旋转式背夹，360 度全向型拾音咪头
- 降噪算法搭配防风海绵，实现双重降噪

产品结构

发射器 (BY-V-TX)



① 内置麦克风

② 状态指示灯

| 状态 | 指示灯 |
|-------|---------|
| 未连接 | 红蓝灯交替闪烁 |
| 连接成功 | 蓝灯常亮 |
| 静音模式 | 蓝灯慢闪 |
| 降噪开启 | 绿灯常亮 |
| 低电量 | 红灯闪烁 |
| 关机充电中 | 红灯常亮 |

注意：

- 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 降噪键

短按开启或关闭降噪功能。

- 静音开启后，降噪功能不可用。
- 发射器与接收器未连接时，降噪功能无法开启。

④ 电源键

长按 2 秒开机或关机；开机状态下，短按开启静音或取消静音。

注意：

- 发射器从充电盒中取出将自动开机，放回充电盒后将自动关机。
- 发射器与接收器未连接状态下，10 分钟后发射器将自动关机。
- 发射器与接收器未连接时，静音功能无法开启。

⑤ 背夹

可 360° 旋转。

⑥ USB-C 充电口

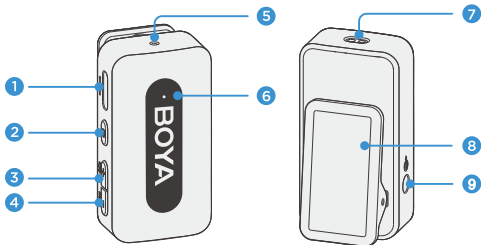
用于给发射器充电。

⑦ 充电触点

与充电盒触点连接后即可为发射器充电。

⑧ 防风海绵

3.5 mm TRS 接收器 (BY-V-RX)



① USB-C 数据口

用于给接收器充电。同时支持连接手机，将发射器录制的音频传输至手机。

② 电源键

长按两秒开机或关机。

③ 音量+键 / 手机外放键

- 短按增大音量。
- 长按 3 秒可开启或关闭外放。手机连接接收器后，需要回放视频、外放声音时，无需拔下接收器，长按外放键 3 秒开启外放后即可检查声音效果。

注：

接收器通过 USB-C 数据口连接至手机时，支持免插拔外放功能。若接收器通过 3.5 TRS 输出孔连接至相机时，不支持免拔插外功能。

④ 音量-键 / 录制模式切换键

- 短按减小音量。
- 长按 3 秒可切换单声道或立体声录制模式。

⑤ 功能指示灯

| 功能 | 指示灯 |
|-------------|-----------------|
| 单声道模式 | 蓝色常亮 |
| 立体声模式 | 绿色常亮 |
| 增大音量 / 减小音量 | 快速闪烁 1 次（1 档增益） |
| | 快速闪烁 2 次（2 档增益） |
| | 快速闪烁 3 次（3 档增益） |

⑥ 状态指示灯

| 状态 | 指示灯 |
|---------|---------------|
| 开机 | 红蓝灯交替闪烁 |
| 未连接 | 红蓝灯闪烁 |
| 连接成功 | 蓝灯常亮 |
| 手机外放开启 | 蓝灯闪烁 3 次 |
| 低电量 | 红灯闪烁（5 秒/1 次） |
| 关机状态充电中 | 红灯常亮 |
| 充电完成 | 红灯熄灭 |

⑦ 充电触点

与充电盒触点连接后即可为接收器充电。

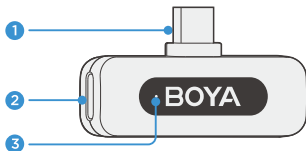
⑧ 背夹

可将接收器安装在相机上。

⑨ 3.5 mm TRS 输出孔

使用随附的 3.5 mm TRS 转 TRS 音频线将接收器连接至相机，发射器录制的音频将传输至相机。

USB-C 接收器 (BY-V-RXU)



❶ USB-C 接头

可连接至带 USB-C 接口的手机、平板或电脑等设备。

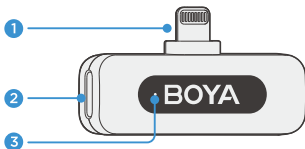
❷ USB-C 充电孔

当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。

❸ 状态指示灯

| 状态 | 指示灯 |
|------|------|
| 未连接 | 蓝灯慢闪 |
| 连接成功 | 蓝灯常亮 |

Lightning 接收器 (BY-V-RXD)



❶ MFi 认证 Lightning 接头

可接入带 Lightning 接口的设备。

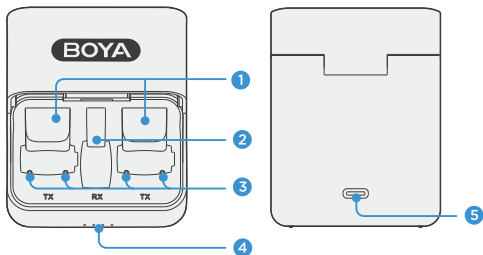
❷ USB-C 充电孔

当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。

❸ 状态指示灯

| 状态 | 指示灯 |
|------|------|
| 未连接 | 蓝灯慢闪 |
| 连接成功 | 蓝灯常亮 |

充电盒 (BY-V-CC)



❶ 发射器凹槽

❷ 接收器凹槽

❸ 充电触点

用于给发射器充电。

❹ 充电/剩余电量指示灯

充电盒充电状态时，该指示灯显示其充电的状态。

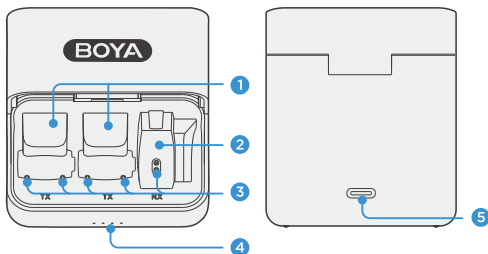
| 充电盒电量 | 指示灯 |
|-----------|---------|
| ≤25% | ● ● ● ● |
| 26% – 50% | ● ● ● ● |
| 51%~75% | ● ● ● ● |
| 76%~99% | ● ● ● ● |
| 100% | ● ● ● ● |

充电盒未接入电源时，盒内放入发射器后，该指示灯显示充电盒当前电量。充电盒上的四颗指示灯显示四档电量，每一档表示 25% 电量。
注：灯 1 闪烁时，充电盒处于低电量状态，请及时为充电盒充电。

⑤ USB-C 充电口

用于给充电盒充电。

充电盒 (BY-V-CCC)



① 发射器凹槽





















② 接收器凹槽

③ 充电触点

用于给发射器和接收器充电。

④ 充电/剩余电量指示灯

充电盒充电状态时，该指示灯显示其充电的状态。

| 充电盒电量 | 指示灯 |
|-----------|---|
| ≤25% |     |
| 26% – 50% |     |
| 51%~75% |     |
| 76%~99% |     |
| 100% |     |

充电盒未接入电源时，盒内放入发射器和接收器后，该指示灯显示充电盒当前电量。充电盒上的四颗指示灯显示四档电量，每一档表示 25% 电量。

注：灯 1 闪烁时，充电盒处于低电量状态，请及时为充电盒充电。

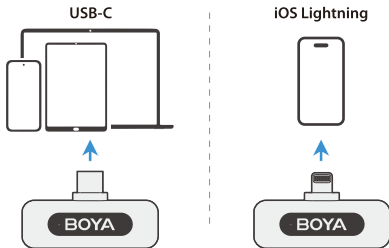
⑤ USB-C 充电口

用于给充电盒充电。

使用方法

BY-V3 combo、BY-V30、BY-V3、BY-V20、BY-V2、BY-V10、BY-V1套装

1. 发射器从充电盒中取出将自动开机；通过其背夹夹在衣领上使用。
2. 将 BY-V-RXU 接收器插入带 USB-C 接口的设备或将 BY-V-RXD 接收器插入带 Lightning 接口的设备；



3. 发射器和接收器出厂前已配对成功。发射器开机，且接收器插入相应的设备后，发射器与接收器会自动连接。连接成功后，发射器和接收器的指示灯均呈蓝灯常亮；
4. 在您的设备上启动视频或音频录制应用程序；
5. 部分手机默认使用手机内置麦克风,需切换至外置麦克风（BY-V）；
6. 开始录音。

BY-V35 套装

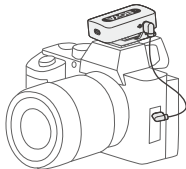
1. 发射器和 BY-V-RX 接收器从充电盒中取出将自动开机。
2. 发射器和接收器出厂前已配对成功。开机后，发射器与接收器会自动连接，发射器和接收器的指示灯均呈蓝灯常亮则表示已连接成功。

3. 发射器使用场景：可通过其背夹直接夹于衣领上使用。

4. 接收器使用场景：

- 搭配相机使用

通过随附的 3.5 mm TRS 转 TRS 音频线将接收器的 3.5 mm TRS 输出孔连接至相机，发射器的音频即可传输至相机。参考相机随附的说明书即可开启录制。



- 搭配手机使用

接收器也可通过其 USB-C 接口连接至手机（需自备适配的数据线），发射器的音频即可传输至手机。在您的设备上启动视频或音频录制应用程序即可开始录制。部分手机默认使用手机内置麦克风，需切换至外置麦克风（BY-V）。

提示：

1. 建议在正式录音前做个简短的录音测试，检查音频水平是否可以接受。
2. 若录音环境嘈杂，可以短按发射器 NR 键（降噪键）开启降噪模式，提高录制效果。

注意：

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

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，请与经销商售后服务部联系。

产品无法连接

确保发射器与一个接收器连接。当同时接入多个接收器时，发射器无法指定与哪一个接收器连接。

产品无声音

- 检查产品是否连接正常以及接头是否有松动。
- 确保发射器没有处于静音状态。查看发射器指示灯，若指示灯呈蓝灯慢闪，需短按电源键解除静音。

产品的使用距离受限且声音频繁断续

查看发射器与接收器之间是否有干扰源，将产品更换使用位置再次确认，若声音还是频繁断续，请联系客服咨询。

产品自动关机

发射器与接收器未连接状态下，10 分钟后发射器将自动关机。

产品无法开机

确认是否为太长时间未使用，电池是否没电，连接充电线进行电路激活。

充电盒无法给产品充电

- 给充电盒充电，查看是否电量过低导致无法给产品充电。
- 用干净的布擦拭产品和充电盒的触点，避免由灰尘引起不接触不良。
- 检查磁力是否老化，按压产品使其和充电盒的触点完全接触，若仍然无法充电，请联系客服咨询。

参数

BY-V-TX 发射器

| | |
|--------|-----------------------|
| 传输方式 | 2.4 GHz |
| 信号调制 | 高斯频移键控 |
| 极性模式 | 全向型 |
| 天线类型 | PCB |
| 操作距离 | 100 米 (无障碍) |
| 射频输出功率 | ≤10 dBm |
| 失真 | ≤ 0.1% |
| 频率响应 | 20 Hz – 16 kHz |
| 灵敏度 | -42 dB |
| 采样率 | 48 kHz |
| 信噪比 | 80 dB |
| 音频输入 | 内置咪头 |
| 内置电池容量 | 3.7 V / 95 mAh |
| 供电方式 | 内置锂电池供电 |
| 续航时长 | 约 9 小时 |
| 充电时长 | 约 2 小时 |
| 重量 | 约 10.5 g |
| 尺寸 | 53.1 x 18.3 x 10.2 mm |
| 工作温度 | 0°C ~ + 50°C |
| 贮存温度 | -20°C ~ + 55°C |

BY-V-RX 接收器

| | |
|--------|--------------------------|
| 传输方式 | 2.4 GHz |
| 极性模式 | 全向型 |
| 天线类型 | FPC |
| 操作距离 | 100 米 (无障碍) |
| 频率响应 | 20 Hz – 16 kHz |
| 采样率 | 48 kHz |
| 位深度 | 16 bit |
| 信噪比 | 80 dB |
| 音频输出 | 3.5 mm TRS 输出孔；USB-C 数据口 |
| 充电接口 | USB-C 数据口；充电触点 |
| 供电方式 | 内置锂电池供电 |
| 内置电池容量 | 130 mAh |
| 续航时长 | 约 9 小时 |
| 充电时长 | 约 2 小时 |
| 重量 | 约 14 g |
| 尺寸 | 45 x 23.8 x 12.5 mm |
| 工作温度 | 0°C ~ + 50°C |
| 贮存温度 | -20°C ~ + 55°C |

BY-V-RXU / RXD 接收器

| | |
|--------|--|
| 传输方式 | 2.4 GHz |
| 信号调制 | GFSK |
| 极性模式 | 全向型 |
| 天线类型 | PCB |
| 操作距离 | 最远至 100 米（无障碍） |
| 射频输出功率 | ≤10 dBm |
| 失真 | ≤ 0.1% |
| 频率响应 | 20 Hz – 16 kHz |
| 信噪比 | 80 dB |
| 音频输出 | RXU: USB-C RXD: Lightning |
| 供电方式 | 外接设备供电 |
| 重量 | RXU: 5.5 g RXD: 6 g |
| 尺寸 | RXU: 43.9 x 15.5 x 10 mm RXD: 43.9 x 15.5 x 10 mm |
| 工作温度 | 0°C ~ + 50°C |
| 贮存温度 | -20°C ~ + 55°C |

BY-V-CC / CCC 充电盒

| | |
|----------|----------------------------|
| 电池类型 | 内置锂电池 |
| 内置电池容量 | CC: 3.7 V / 400 mAh |
| | CCC: 3.7 V / 850 mAh |
| 充电时长 | 约 2 小时 |
| 供电方式 | USB-C 充电口 (直流电 5 V / 1 A) |
| 可供循环充电次数 | CC: 约 1 次 (2*发射器) |
| | CCC: 约 1 次 (2*发射器+1*RX接收器) |
| 重量 | CC: 约 86.5 g |
| | CCC: 约 95 g |
| 尺寸 | CC: 62 × 38.5 × 79.8 mm |
| | CCC: 70 × 38.5 × 79.8 mm |
| 工作温度 | 0°C ~ + 50°C |
| 贮存温度 | -20°C ~ + 55°C |

包装清单

BY-V3 combo 二拖二含充电盒 (USB-C & Lightning)

发射器 × 2

RXU 接收器 × 1

RXD 接收器 × 1

CC 充电盒 × 1

防风海绵 × 2

USB-A 转 USB-C 充电线 × 1

收纳袋 × 1

**BY-V30 一拖二含充电盒
(USB-C)**

发射器 × 2

RXU 接收器 × 1

CC 充电盒 × 1

防风海绵 × 2

USB-A 转 USB-C 充电线 × 1

收纳袋 × 1

**BY-V3 一拖二含充电盒
(Lightning)**

发射器 × 2

RXD 接收器 × 1

CC 充电盒 × 1

防风海绵 × 2

USB-A 转 USB-C 充电线 × 1

收纳袋 × 1

BY-V20 一拖二 (USB-C)

发射器 × 2

RXU 接收器 × 1

防风海绵 × 2

USB-A 转 USB-C 充电线 × 2

收纳袋 × 1

BY-V2 一拖二 (Lightning)

发射器 × 2

RXD 接收器 × 1

防风海绵 × 2

USB-A 转 USB-C 充电线 × 2

收纳袋 × 1

BY-V10 一拖一 (USB-C)

发射器 × 1

RXU接收器 × 1

防风海绵 × 1

USB-A 转 USB-C 充电线 × 1

收纳袋 × 1

BY-V1 一拖一 (Lightning)

发射器 × 1

RXD 接收器 × 1

防风海绵 × 1

USB-A 转 USB-C 充电线 × 1

收纳袋 × 1

BY-V35 (相机)

发射器 × 2

RX 接收器 × 1

CCC 充电盒 × 1

防风海绵 × 2

USB-C转 USB-A 充电线 × 1

3.5 mm TRS 转 TRS 音频线 × 1

收纳袋 × 1

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