BOYA

2.4GHz Wireless Microphone System

2.4GHz无线麦克风系统

BY-WM3T2-U1
BY-WM3T2-D1
BY-WM3T2-U2
BY-WM3T2-D2
BY-WM3T2-M1
BY-WM3T2-M2

User Manual
用户手册

Introduction

The BOYA BY-WM3T2 is an ultracompact and portable 2.4GHz wireless microphone system for up to 2 people, compatible with cameras, smartphones, tablets and more. It features automatic pairing and selectable noise cancellation, delivering broadcast-quality sound with remarkable ease of use. The BY-WM3T2 is ideal for content creation, live streaming, vlogging, mobile journalism and much more.

This series has 3 different receiver options: RXD, RXU, or RX35 included in the kits. The BY-WM3T2-TX Transmitter and BY-WM3T2-RX35 Receiver support up to 10 hours of runtime. The BY-WM3T2-RXD and BY-WM3T2-RXU receivers are device powered and have USB-C charging ports, which support charging and powering of devices while in use.

Cautions

1. Don't place this unit close to heat sources such as heater, oven, or other devices that produce heat.
2. When using and storing, please pay attention to dust and moisture.
3. For optimal sound pickup, please do not cover the microphone head with your hand.

Available Kits

Model	In the box	
BY-WM3T2-U1	1 × BY-WM3T2-TX	1 × BY-WM3T2-RXU
BY-WM3T2-U2	2 × BY-WM3T2-TX	1 × BY-WM3T2-RXU
BY-WM3T2-D1	1 × BY-WM3T2-TX	1 × BY-WM3T2-RXD
BY-WM3T2-D2	2 × BY-WM3T2-TX	1 × BY-WM3T2-RXD
BY-WM3T2-M1	1 × BY-WM3T2-TX	1 × BY-WM3T2-RX35
BY-WM3T2-M2	2 × BY-WM3T2-TX	1 × BY-WM3T2-RX35

Product Structure

BY-WM3T2-TX
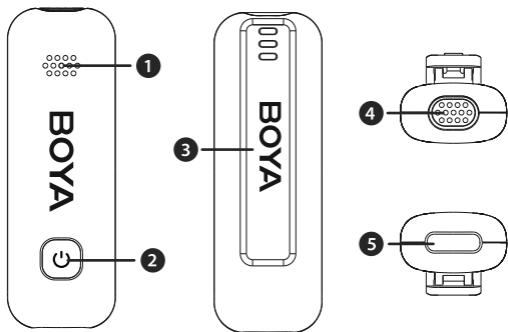
1. Status indicator

Status	Indicator
Unpaired	Blinks blue and red alternately
Successfully paired	Solid blue
Mute ON	Blinks blue quickly (per second)
Low battery	Blinks red (every 5 seconds)
Noise Cancellation ON	Blinks blue slowly (every 2.5 seconds)
Noise Cancellation OFF	Solid blue
Charging	Solid red
Fully charged	Light off

Note: If charging the unit when it is ON, the indicator will display the current working status instead of charging status.

2. Power/Mute button
Long press the button for 2 seconds to turn on/off the unit.
Short press the button to mute/unmute the microphone.
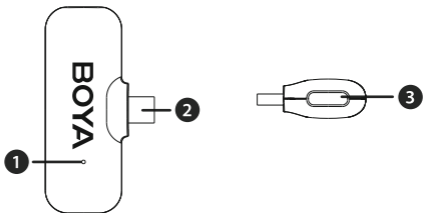Double click the button to turn on/off noise cancellation
3. Belt clip
4. Built-in mic
5. USB-C charging port
For charging the transmitter.

BY-WM3T2-RXU

1. Status indicator

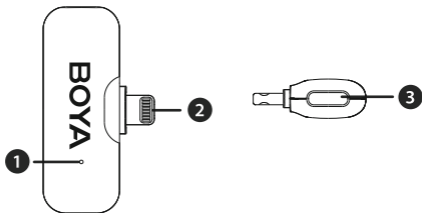| Status	Indicator
Unpaired	Blinks blue
Successfully paired	Solid blue

2. USB-C connector
It can be connected to an Android phone, tablet or other USB-C devices.

3. USB-C charging port
When the BY-WM3T2-RXU is plugged into an external device, the external device can be powered via this charging port.
Note: Most USB-C devices can be charged through this port, which also supports QC2.0, PD2.0 fast charging protocols.

BY-WM3T2-RXD

1. Status indicator

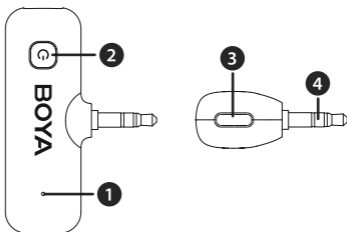| Status	Indicator
Unpaired	Blinks blue
Successfully paired	Solid blue

2. Lightning connector
It can be connected to an iOS Lightning device.
3. USB-C charging port
When the BY-WM3T2-RXD is plugged into an external device, the external device can be powered via this charging port.
Note: iPad and iPhone can be charged through this port, which also supports up to 3A fast charging.

BY-WM3T2-RX35

1. Status indicator

Status	Indicator
Unpaired	Blinks blue and red alternately
Successfully paired	Solid blue
Low battery	Blinks red (every 5 seconds)
Charging	Solid red
Fully charged	Light off

Note: If charging the unit when it is ON, the indicator will display the current working status instead of charging status.

2. Power button
Long press the button for 2 seconds to turn ON or OFF the unit.

3. USB-C charging port
For charging the receiver.

4. 3.5mm TRS connector
It can be connected to cameras, recorders, mixers or other devices with a 3.5mm TRS jack.

How to Use

For the kit of BY-WM3T2-U1/ BY-WM3T2-U2/ BY-WM3T2-D1/ BY-WM3T2-D2

1. Press and hold the power button for 2 seconds to turn on the Transmitter(s).
2. Plug the BY-WM3T2-RXD into an iOS device or the BY-WM3T2-RXU into a USB-C device.
3. Transmitter(s) and receiver will be automatically paired within 10 seconds.
4. You are ready to record.

For the kit of BY-WM3T2-M1/ BY-WM3T2-M2

1. Plug the BY-WM3T2-RX35 into a device with a 3.5mm TRS jack.
2. Press and hold the power button for 2 seconds to turn on the transmitter(s) and receiver.
3. Transmitter(s) and receiver will be automatically paired within 10 seconds.
4. You are ready to record.

Note: Due to the 2.4GHz wireless frequency is widely used, the signal may be easily attenuated or interfered. Please try to avoid obstacles while using, such as walls and buildings. And keep away from the devices with 2.4GHz frequency, such as high-power Wi-Fi antennas, radios, etc.

Specifications

Transmission Type	2.4GHz
Polar Pattern	Omnidirectional
Frequency Response	20Hz-16kHz
Signal-to-Noise Ratio	77 dB
Sensitivity	-42 dB
Sampling Rate	48kHz
Bit Depth	16bit
Transmission Range	50m (without obstacle)
RF Output Power	6dBm
TX & RX35 Battery Life	10 hours
Battery Capacity	TX: 95mAh RX35: 90mAh
Charging Port	USB-C
Dimensions	TX: 52×17.5×15.6 mm
	RXU/RXD: 46×26.2×9 mm
	RX35: 53.7×36×13.5 mm
Weight	TX: 8.5g (0.30 oz)
	RXU/RXD: 5g (0.18 oz)
	RX35: 10.5g (0.37oz)

Packing List

BY-WM3T2-U1
- BY-WM3T2-TX transmitter x1
- BY-WM3T2-RXU receiver x1
- USB-C charging cable x1
- Foam windscreen x1

BY-WM3T2-D1
- BY-WM3T2-TX transmitter x1
- BY-WM3T2-RXD receiver x1
- USB-C charging cable x1
- Foam windscreen x1

BY-WM3T2-M1
- BY-WM3T2-TX transmitter ×1
- BY-WM3T2-RX35 receiver ×1
- USB-C charging cable ×2
- Foam windscreen ×1

BY-WM3T2-U2
- BY-WM3T2-TX transmitter x2
- BY-WM3T2-RXU receiver x1
- USB-C charging cable x2
- Foam windscreen x2

BY-WM3T2-D2
- BY-WM3T2-TX transmitter x2
- BY-WM3T2-RXD receiver x1
- USB-C charging cable x2
- Foam windscreen x2

BY-WM3T2-M2
- BY-WM3T2-TX transmitter ×2
- BY-WM3T2-RX35 receiver ×1
- USB-C charging cable ×3
- Foam windscreen ×2

概述

博雅BY–WM3T2是一款迷你便携的2.4GHz无线麦克风系统，兼容相机、智能手机、平板电脑等设备。产品具有自动配对和可设置的降噪功能，可提供出色的广播级音质，易于使用，适用于内容创作、直播、Vlog拍摄、移动新闻等应用场景。

本系列有RXD、RXU、RX35三种端口套装可供选择，BY–WM3T2–TX发射器和BY–WM3T2–RX35接收器支持10小时超长工作续航，BY–WM3T2–RXD和BY–WM3T2–RXU由外接设备供电，并带有Type–C充电口，支持一边录制一边给设备充电。
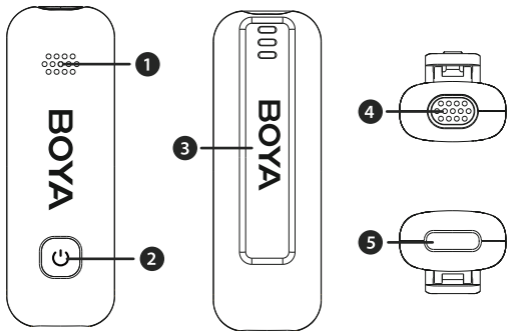
注意事项

1. 请勿将本机靠近热源，如加热器、烤箱或其他产生热量的设备。
2. 在使用和储存时，请注意防尘和防潮。
3. 为获得最佳拾音效果，请勿将手放在麦克风头上。

BY–WM3T2系列组合套装

型号	套装内容	
BY–WM3T2–U1	1 × BY–WM3T2–TX	1 × BY–WM3T2–RXU
BY–WM3T2–U2	2 × BY–WM3T2–TX	1 × BY–WM3T2–RXU
BY–WM3T2–D1	1 × BY–WM3T2–TX	1 × BY–WM3T2–RXD
BY–WM3T2–D2	2 × BY–WM3T2–TX	1 × BY–WM3T2–RXD
BY–WM3T2–M1	1 × BY–WM3T2–TX	1 × BY–WM3T2–RX35
BY–WM3T2–M2	2 × BY–WM3T2–TX	1 × BY–WM3T2–RX35

产品结构

BY-WM3T2-TX

1. 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
静音状态	蓝灯快闪（每1秒闪一次）
低电量	红灯闪烁（每5秒闪一次）
降噪开启时	蓝灯慢闪（每2.5秒闪一次）
降噪关闭时	蓝灯常亮
充电中	红灯常亮
充满电	红灯熄灭

注意： 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. 电源/静音键
开/关机：长按此键2秒
开启/关闭静音：短按此键
开启/关闭降噪功能：双击此键

3. 背夹

4. 内置麦克风

5. USB–C充电孔
用于给发射器充电。

BY–WM3T2–RXU
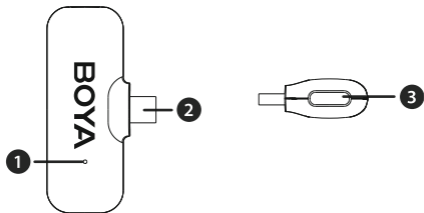
1. 状态指示灯

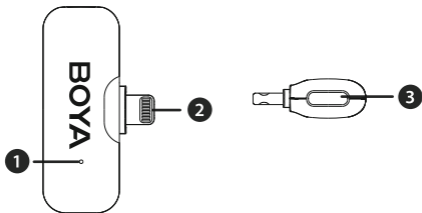| 状态	指示灯
未联机	蓝灯闪烁
联机成功	蓝灯常亮

2. USB–C接头
可连接至安卓手机、平板或其他USB–C设备。

3. USB–C充电孔
当BY–WM3T2–RXU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，且支持QC2.0、PD2.0快充协议。

BY–WM3T2–RXD

1. 状态指示灯

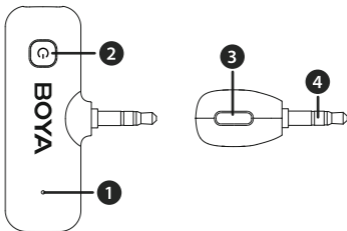| 状态	指示灯
未联机	蓝灯闪烁
联机成功	蓝灯常亮

2. Lightning接头
可接入带Lightning接口的iOS设备。

3. USB-C充电孔
当BY-WM3T2-RXD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快充。

BY-WM3T2-RX35

1. 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
低电量	红灯闪烁（每5秒闪一次）
充电中	红灯常亮
充满电	红灯熄灭

注： 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. 电源键

开/关机：长按此键2秒

3. USB-C充电孔

用于给接收器进行充电。

4. 3.5mm TRS接头

可连接至相机、录音机、混音器或其他带3.5mm TRS接口的设备。

使用方法

BY–WM3T2–U1/ BY–WM3T2–U2/ BY–WM3T2–D1/
BY–WM3T2–D2套装

1. 长按电源键2秒将发射器开机。

2. 将BY–WM3T2–RXD插入iOS设备或将BY–WM3T2–RXU插入USB–C设备。

3. 发射器和接收器将在 10 秒内自动完成配对。

4. 开始录音。

BY–WM3T2–M1/ BY–WM3T2–M2套装

1. 将BY–WM3T2–RX35插入带有3.5mm TRS插孔的设备。

2. 长按电源键2秒将发射器和接收器开机。

3. 发射器和接收器将在10秒内自动完成配对。

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

信号传输	2.4GHz
指向性	全向
频率响应	20Hz–16kHz
信噪比	77 dB
灵敏度	–42 dB
采样率	48kHz
位深	16bit
传输距离	无障碍50米
RF输出功率	6dBm
TX & RX35续航	10小时
电池容量	TX：95mAh RX35：90mAh
接口	USB–C
尺寸	TX：52×17.5×15.6 mm
	RXU/RXD：46×26.2×9 mm
	RX35：53.7×36×13.5 mm
重量	TX：8.5g
	RXU/RXD：5g
	RX35：10.5g

包装清单

BY–WM3T2–U1

BY–WM3T2–TX发射器 ×1
BY–WM3T2–RXU接收器 ×1
USB–C充电线 ×1
防风海绵 ×1

BY–WM3T2–D1

BY–WM3T2–TX发射器 ×1
BY–WM3T2–RXD接收器 ×1
USB–C充电线 ×1
防风海绵 ×1

BY–WM3T2–M1

BY–WM3T2–TX发射器 ×1
BY–WM3T2–RX35接收器 ×1
USB–C充电线 ×2
防风海绵 ×1

BY–WM3T2–U2

BY–WM3T2–TX发射器 x2

BY–WM3T2–RXU接收器 x1

USB–C充电线 x2

防风海绵 x2

BY–WM3T2–D2

BY–WM3T2–TX发射器 x2

BY–WM3T2–RXD接收器 x1

USB–C充电线 x2

防风海绵 x2

BY–WM3T2–M2

BY–WM3T2–TX发射器 ×2

BY–WM3T2–RX35接收器 ×1

USB–C充电线 ×3

防风海绵 ×2

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