

# 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

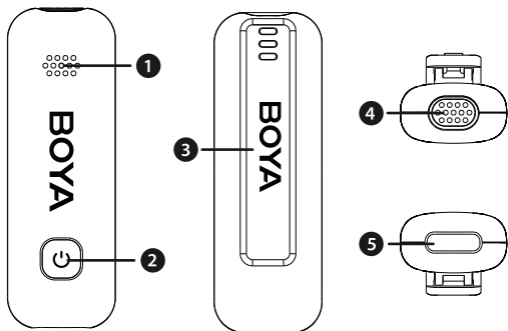
1. Don't place this unit close to heat sources such as heater, oven, or other devices that produce heat.
2. When using and storing, please pay attention to dust and moisture.
3. For optimal sound pickup, please do not cover the microphone head with your hand.

## 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

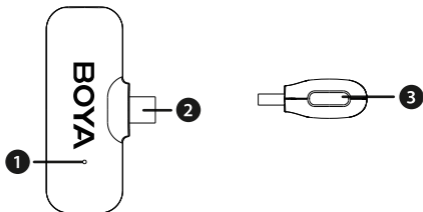
## 3. Belt clip

## 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

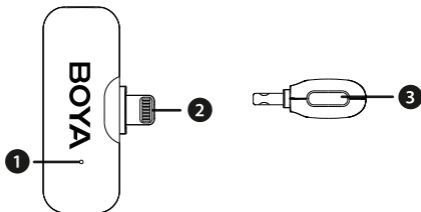
It can be connected to an Android phone, tablet or other USB-C devices.

### 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

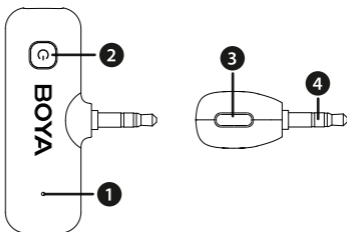
It can be connected to an iOS Lightning device.

### 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 x1
- BY-WM3T2-RX35 receiver x1
- USB-C charging cable x2
- Foam windscreen x1

### **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 x2
- BY-WM3T2-RX35 receiver x1
- USB-C charging cable x3
- Foam windscreen x2