



## **BY-WM4 PRO**

Dual-Channel Digital  
Wireless Microphone

# **Instruction Manual**

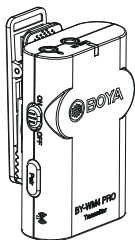
Thank you for purchasing BOYA BY-WM4 PRO system!

Designed for videographers on a limited budget and video hobbyists, BY-WM4 PRO is a new generation 2.4GHz wireless microphone system, dual-Channel for capturing audio with dual subjects to your smartphones, tablets, DSLR cameras, consumer camcorders, PCs etc.

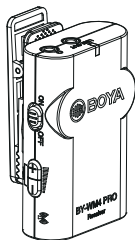
The BY-WM4 PRO system is suitable for a wide range of wireless applications such as interviews, mobile journalism, reporting, vlogging, podcast and more.

The BY-WM4 PRO system is a expandable evolution system that allows the user to mix and match different kinds of receivers while using with the TX4 PRO transmitter.

**BY-WM4 PRO consists of one body-pack transmitter(TX4 PRO), a portable receiver (RX4 PRO), and their accessories as following:**



Transmitter(TX4 PRO)



Receiver(RX4 PRO)



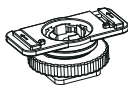
Lavalier/lapel microphone



3.5mm to TRS audio output cable



3.5mm to TRRS audio output cable



Cold-shoe mount

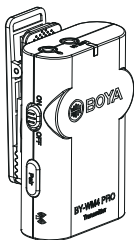


Wind screen

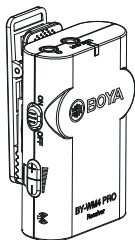


Microphone Holder clip

**BY-WM4 PRO-K2 consists of two body-pack transmitters(TX4 PRO), a portable receiver (RX4 PRO), and their accessories as following:**



Transmitter(TX4 PRO) x2



Receiver(RX4 PRO)



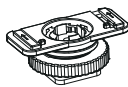
Lavalier/lapel microphone x2



3.5mm to TRS audio output cable



3.5mm to TRRS audio output cable



Cold-shoe mount



Wind screen (x2)



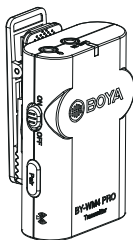
Microphone Holder clip (x2)

**BY-WM4 PRO-K3 is specially designed for Lightning iOS Devices.**

**It consists of one body-pack transmitter (TX4 PRO), wireless receiver with a Lightning connector (BY-WM4 PRO RXD), and their accessories as following:**



Receiver(BY-WM4 PRO RXD)



Transmitter(TX4 PRO)



Lavalier/lapel microphone



Wind screen



Microphone Holder clip



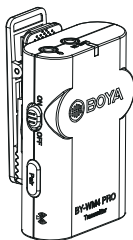
Pairing Pin

**BY-WM4 PRO-K4 is specially designed for Lightning iOS Devices.**

**It consists of two body-pack transmitter (TX4 PRO), wireless receiver with a Lightning connector (BY-WM4 PRO RXD), and their accessories as following:**



Receiver(BY-WM4 PRO RXD)



Transmitter(TX4 PRO) x2



Lavalier/lapel microphone x2



Wind screen x2



Microphone Holder clip x2



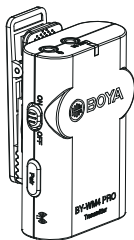
Pairing Pin

**BY-WM4 PRO-K5 specially designed for Andriod and other Type-C devices.**

**It consists of one body-pack transmitter (TX4 PRO), wireless receiver with a USB Type-C connector (BY-WM4 PRO RXU), and their accessories as following:**



Receiver(BY-WM4 PRO RXU)



Transmitter(TX4 PRO)



Lavalier/lapel microphone



Wind screen



Microphone Holder clip



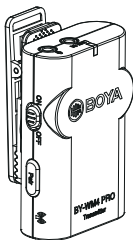
Pairing Pin

**BY-WM4 PRO-K6 specially designed for Andriod and other Type-C devices.**

**It consists of two body-pack transmitter (TX4 PRO), wireless receiver with a USB Type-C connector (BY-WM4 PRO RXU), and their accessories as following:**



Receiver(BY-WM4 PRO RXU)



Transmitter(TX4 PRO) x2



Lavalier/lapel microphone x2



Wind screen x2



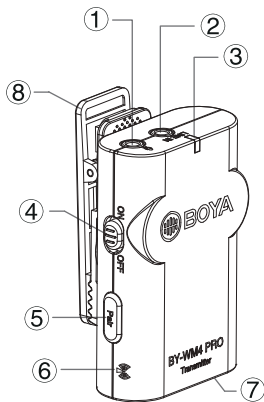
Microphone Holder clip x2



Pairing Pin



## Transmitter (TX4 PRO)



### 1. Microphone input

- Connect the supplied lavalier microphone here.
- Fully insert the microphone's 3.5mm plug and make sure it clicks into place.

### 2. Line In

### 3. Power LED

- 1) The power LED flash blue when the unit is on.
- 2) The power LED glows red when low power.

For more details about LED indicator, please refer to as following:

Status	Receiver	Transmitter
The transmitter and the receiver connects.	Stays blue	Flashes continually every 2.5 seconds.
The transmitter and the receiver disconnects.	Flashes continually every 1 second.	Flashes continually every 1 second.
Receiver unit is turned OFF(Transmitter is still ON)	Off	Flashes in blue
Transmitter unit is turned OFF(Receiver is still ON)	Flashes in blue	Off
Low power	Flashes in red	

#### **4. Power OFF/ON**

#### **5. Pair**

This button is for connecting signal.

For details, please see "How to connect transmitter and receiver" on page 13.

#### **6. Antenna**



Please don't touch here during using, otherwise, it will effect signal.

#### **7. Battery compartment**

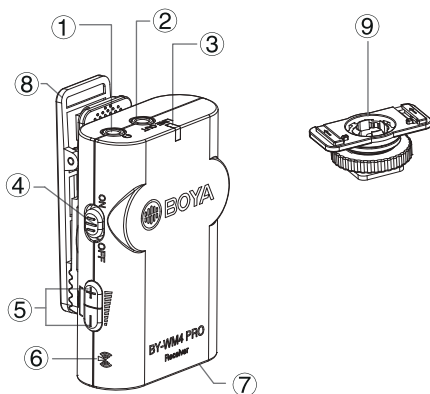
Accommodates two pieces of AAA batteries.

For more details, please see "Installing batteries" on page 11.

#### **8. Clip**

For more details, please see "Installing or uninstalling clip" on page 15.

## Receiver (RX4 PRO)



### 1. Earphone Jack

(3.5mm diameter stereo mini jack)

To monitor the receiver output, connect the headphones to this connector.



#### NOTE:

Do not connect headphones with a monaural mini jack. This may lead to short-circuiting of the headphone output, resulting in distorted sound output.

### 2. LINE OUT (audio output) Jack

- For using smartphone, tablet or Mac  
Connect one end (90° plug) of the supplied TRRS stereo 3.5mm mini output cable here, and the other end (straight plug) to smartphone.

- For cameras, camcorders, audio recorders and other audio/Video recording devices.  
Connect one end of the supplied TRS stereo 3.5mm mini output cable here, and the other end to camera.

### **3. Power LED**

For more details, please see "Power LED" on page 7.

### **4. Power OFF/ON**

### **5. Volume +/-**

Press these buttons to set the attenuation level of the input signal.

### **6. Antenna**



Please don't touch here during using, otherwise, it will effect signal.

### **7. Battery compartment**

Accommodates two pieces of AAA batteries.  
For more details, please see "Installing batteries" on page 11.

### **8. Clip**

For more details, please see "Installing or uninstalling clip" on page 15.

### **9. Shoe mount adapter**

## What's difference?

### ① 3.5 mm TRRS connector

- For Smartphone, tablet, Mac or laptop with combo headphone/Mic jack



### ② 3.5 mm TRS connector

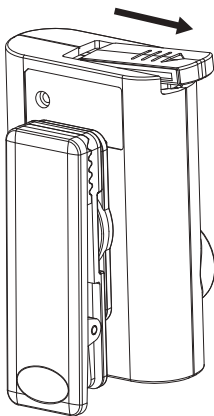
- For cameras, camcorders, audio recorders and other audio/video recording devices.



## How to use it

### Installing batteries

1. Both transmitter and receiver requires two AAA size batteries.
2. Slide and remove the transmitter's battery compartment cover.
3. Insert two pieces of batteries.
4. Close the battery compartment cover.
5. Do the same ways as step 2 to 4 to insert battery into receiver.



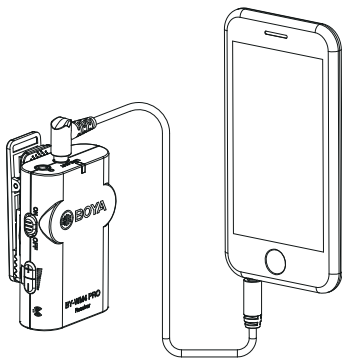
## Connecting the transmitter and receiver

### Using the microphone with smartphone, tablet, Mac or laptop with combo headphone/Mic jack.

#### Receiver

1. Mount receiver to Smartphone, tablet, Mac or laptop.
2. Using TRRS cable, plug the 3.5 mm connector(straight plug) into the audio jack of your smartphone.
3. Insert the 90° plug of the connecting cable into the receiver "LINE OUT" jack.
4. Insert earphone into receiver "🎧" for monitoring Sound if you need.
5. Slider the power ON/OFF switch to ON position ( the LED indicator will light in blue)

Caution: Please do not mix up plug, for details, please refer to" What's difference" on page 8.



#### NOTE:

Not all Android devices support external microphone when taking video, and you may need to download a third-party app and set up sound source as external microphone.

## **How to connect transmitter and receiver?**

Before leaving factory, the connection of transmitters and receiver will be established.

If transmitters and receiver disconnect, please follow below steps:

1. Turn on the receiver and the transmitters.
2. Press the button "+" and "-" for 3 seconds for receiver and press "Pair" of one transmitter for 3 seconds at the same time.
3. When transmitter and receiver connects, the light of receiver will stay blue, the light of transmitters will flash every 2.5 seconds.
4. Repeat step 2 for the other transmitter.

Otherwise, the light for receiver and transmitters will flash continually every 1 second, then try 1-4 steps again.

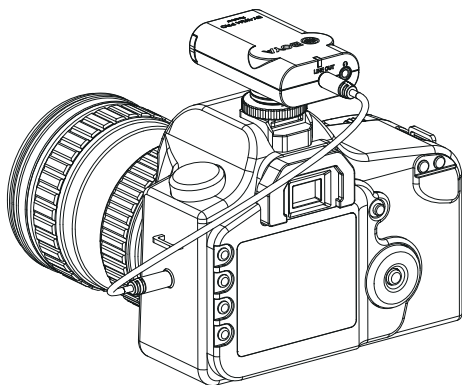


## Using the microphone with cameras, camcorders, audio recorders and other audio/video recording devices.

### Receiver

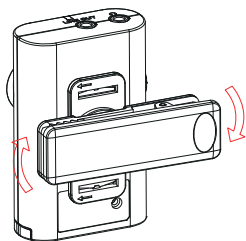
1. Mount receiver to cameras, camcorders, audio recorders and other audio/video recording devices.
2. Using TRS cable, plug the 3.5 mm connector into the audio jack of your camera.
3. Insert the other end of the connecting cable into the receiver "LINE OUT" jack.
4. Insert earphone into receiver "🎧" for monitoring Sound if you need.
5. Slider the power ON/OFF switch to ON position ( the LED indicator will light in blue)

Caution: Please do not mix up audio cable, for details, please refer to "What's difference on page 8".



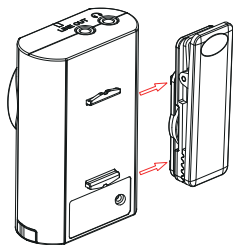
## Installing or uninstalling clip

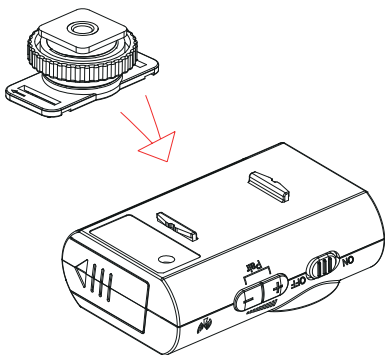
1. Clip is mounted on the microphone before leaving factory.
2. Both transmitter and receiver include clip, that means you can mount them in any place you want.
3. Adjust the direction of the microphone to your mouth by rotating the Microphone.



If receiver need to be mounted onto camera hot/cold shoe, please follow below steps:

1. Push the clip to right side.





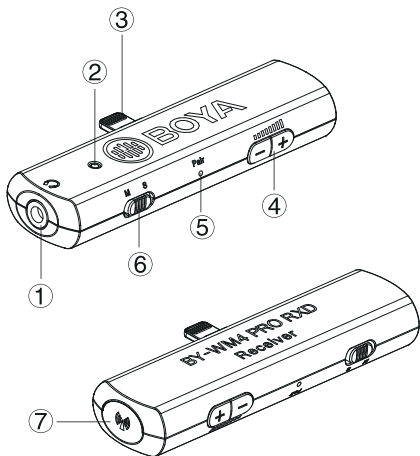
2. Push the cold shoe mount on the position.
3. Mounted receiver onto camera hot/cold shoe

# BY-WM4 PRO RXD

2.4GHz Wireless Receiver  
For iOS devices



## Receiver (BY-WM4 PRO RXD)



### 1. Headphone Jack

(3.5mm diameter stereo mini jack)

To monitor the receiver output, connect the headphones to this connector.



#### **NOTE:**

Do not connect headphones with a monaural mini jack. This may lead to short-circuiting of the headphone output, resulting in distorted sound output.

## 2. Power LED

For more details about LED indicator, please refer to as following:

Status	Receiver	Transmitter
The transmitter and the receiver connects.	The indicator won't light up until you turn on the audio/video app.	Flashes continually every 2.5 seconds.
The transmitter and the receiver disconnects.	Flashes continually every 1 second.	Flashes continually every 1 second.
Receiver unit is turned OFF(Transmitter is still ON)	Off	Flashes in blue
Transmitter unit is turned OFF(Receiver is still ON)	Flashes in blue	Off
Low power	/	Flashes in red
The transmitter and the receiver waits for pairing	Flashes quickly in blue light	

## 3. Lightning Connector

### 4. Volume +/-

Press these buttons to set the attenuation level of the input signal.

### 5. Pair Bottom

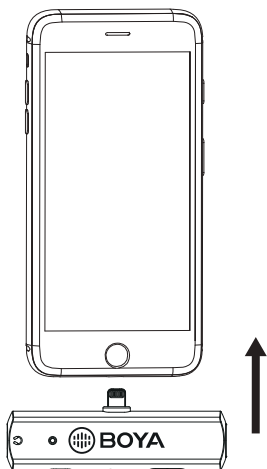
For more details, please see "Connecting the transmitter and the receiver" on page 21.

### 6. M/S Switch

### 7. Built-In Internal Antenna

## Set Up Guide

1. Plug the BY-WM4 PRO RXD directly into the lightning port of smartphone.
2. Open the audio/video app on mobile device, then the indicator of receiver should be light up.
3. The Power LED flashes slowly waiting for connecting with the transmitter.

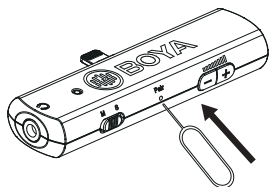


## Connecting the transmitter and the Receiver

Before leaving factory, the connection of transmitters and receiver will be established.

If transmitters and receiver disconnect, please follow below steps:

1. Turn on the transmitter and plug the receiver into smartphone.
2. Long press the pair bottom of receiver with pair pin, the indicator of receiver will flash quickly when entering pairing mode.



3. Long press the pair button on the side of the transmitter entering the pairing mode.
4. When the transmitter and receiver connected, the light of receiver stays blue, and transmitter flashes every 2.5 seconds.

Otherwise, the light of receiver and transmitter will flash continually every 1 second, then try 1-3 steps again.



### NOTE:

- 1) Please adjust the monitoring audio volume of BY-WM4 PRO RXD before recording.



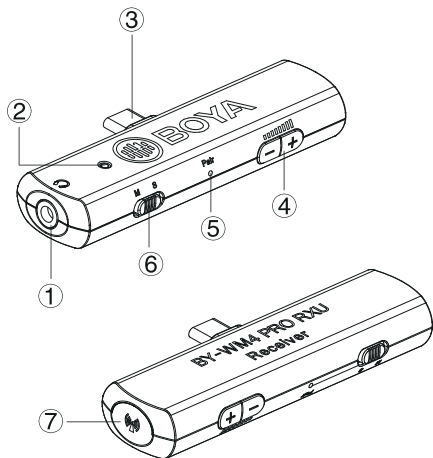
# BY-WM4 PRO RXU

2.4GHz Wireless Receiver

For Android and other Type-C devices



## Receiver (BY-WM4 PRO RXU)



### 1. Headphone Jack

(3.5mm diameter stereo mini jack)

To monitor the receiver output, connect the headphones to this connector.



#### **NOTE:**

Do not connect headphones with a monaural mini jack. This may lead to short-circuiting of the headphone output, resulting in distorted sound output.

## 2. Power LED

For more details about LED indicator, please refer to as following:

Status	Receiver	Transmitter
The transmitter and the receiver connects.	Stays blue	Flashes continually every 2.5 seconds.
The transmitter and the receiver disconnects.	Flashes continually every 1 second.	Flashes continually every 1 second.
Receiver unit is turned OFF(Transmitter is still ON)	Off	Flashes in blue
Transmitter unit is turned OFF(Receiver is still ON)	Flashes in blue	Off
Low power	/	Flashes in red
The transmitter and the receiver waits for pairing	Flashes quickly in blue light	

## 3. USB Type-C Connector

### 4. Volume +/-

Press these buttons to set the attenuation level of the input signal.

### 5. Pair Bottom

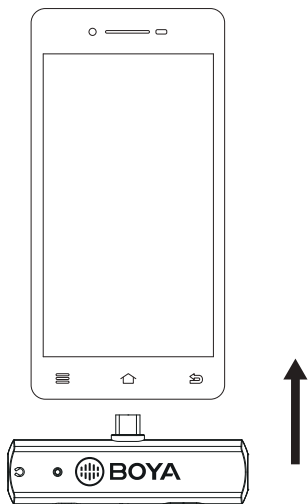
For more details, please see "Connecting the transmitter and the receiver" on page 26.

### 6. M/S Switch

### 7. Built-In Internal Antenna

## Set Up Guide

1. Plug the BY-WM4 PRO RXU directly into the lightning port of smartphone.
2. The Power LED flashes slowly waiting for connecting with the transmitter.

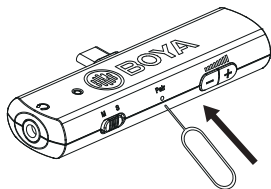


## Connecting the transmitter and the Receiver

Before leaving factory, the connection of transmitters and receiver will be established.

If transmitters and receiver disconnect, please follow below steps:

1. Turn on the transmitter and plug the receiver into smartphone.
2. Long press the pair bottom of receiver with pair pin, the indicator of receiver will flash quickly when entering pairing mode.



3. Long press the pair button on the side of the transmitter entering the pairing mode.
4. When the transmitter and receiver connected, the light of receiver stays blue, and transmitter flashes every 2.5 seconds.

Otherwise, the light of receiver and transmitter will flash continually every 1 second, then try 1-3 steps again.



### **NOTE:**

- 1) Please adjust the monitoring audio volume of RXU before recording.

## Troubleshooting

If you have any problem using the BY-WM4 PRO components, use the following checklist. If any problem persist, please consult our local dealer, or contact us directly.

Status	Cause	Measure
The units does not turn on.	The batteries of BY-WM4 PRO TX exhausted.	Replace the batteries with new ones.
	The Power LED of BY-WM4 PRO RXD doesn't light up while connecting with the iOS devices.	Open the audio/video app on mobile device, then the indicator of receiver should be light up.
	The Power LED of BY-WM4 PRO RXU doesn't light up while connecting with the Android devices.	The receiver hasn't get a well connection with the devices. Please try to reconnect it again .
The batteries become drained quickly.	The BY-WM4 PRO components is being used under extremely cold conditions.	The batteries drain quickly under extremely cold conditions.
	The BY-WM4 PRO components is being used under extremely hot conditions.	The batteries drain quickly under extremely hot conditions.
There is no sound.	The transmitter and receiver are not in pairing mode.	Please refer to the Connecting the transmitter and the Receiver.
	There do not have a good connection with the lavalier.	Please try to reconnect it again.
	There do not have a good connection with the earphone.	Please try to reconnect it again.
The sound is weak.	The input level of the receiver is low.	The input level of the transmitter is low. Adjust the audio output level on the transmitter. Keep this level as high as possible without distortion to reach best Sound and Noise Ratio.
There is distortion in the sound.	The input level of the receiver is inappropriate.	Adjust the audio output level on the transmitter. Keep this level as high as possible without distortion to reach best Sound and Noise Ratio.
	Headphones with a monaural mini jack is used.	Use the headphones with a stereo mini jack.
Too much ambience is being picked up.	When using an omnidirectional microphone like the one included with this system, the microphone may be picking up too much ambience.	Make sure the microphone is as close as to the subject as possible.

Status	Cause	Measure
The audio is noisy or distorted. This can include dropouts, white noise, bursts, pops and clicks.	RF interference	There can be a lot of RF interference outdoors. Try moving indoors, where there is less RF interference. Overhead telephone lines, fluorescent lighting, and metal fences can all cause interference. Turn off all nearby computers and mobile phones.
	RF signal is weak.	Make sure there is an unobstructed line of sight between the transmitter and the receiver. Keep in mind that your body, clothes, and onstage sets are possible obstructions. Make sure the receiver and the transmitter are within 197' (60m) range. If there are obstructions, you may need to move closer.

## Feature:

### BY-WM4 PRO System

- Ideal for Youtube, vlogging, facebook, podcast, mobile journalism and more
- Digital 2.4 GHz frequency band
- Dual-Channel wireless receiver
- Ultracompact and miniature-size for receiver
- Super-clear recording sound
- Up to 60m (197ft) operation range (without obstacle)
- Monitoring sound by 3.5mm headphone output
- Master volume control
- Selectable stereo and mono mode  
(For BY-WM4 PRO RXD/RXU only)
- Omnidirectional lavalier microphone
- Standard camera shoe mount and clip included  
(For BY-WM4 PRO/BY-WM4 PRO-K2 only)
- Hard case included
- Compatible with smartphones, DSLR cameras, consumer camcorders, PCs etc  
(For BY-WM4 PRO/BY-WM4 PRO-K2 only)
- Compatible with smartphones, tablets, laptops  
(For BY-WM4 PRO-K3/K5 only)

## Specifications:

### BY-WM4 PRO System

RF Modulation:	GFSK (Gauss frequency Shift Keying)
Frequency band:	2.4 GHz (2405-2478MHz)
Frequency response:	35Hz-14KHz±3dB
Signal/Noise:	84dB or more
Distortion:	0.05% or less (32Ω,1 KHz,65mW output)
RF output level:	3mW
RF Output Power:	<10mW
Earphone output level:	32Ω,65mW
Reception sensitivity:	-90dB +/- 3dB / 0dB=1V/Pa, 1kHz
Audio input connector:	3.5mm mini jack
Operation range:	60m (197ft) (without obstacle)
Power requirements:	TX4 PRO/RX4 PRO: 3V DC (Two AAA size batteries)
	BY-WM4 PRO RXD: Supplied by iOS device
	BY-WM4 PRO RXU: Supplied by USB Type-C device
Plug:	BY-WM4 PRO RXD: Apple MFi Certified Lightning Connector
	BY-WM4 PRO RXU: USB Type-C Connector
Consumption power:	Receiver: 3V/70mA Transmitter: 3V/70mA
Dimensions:	TX4 PRO/RX4 PRO: 45x70x35mm (1.8x2.8x1.4")
	BY-WM4 PRO RXD: 82x30.7x12mm (3.2x1.2x0.5")
	BY-WM4 PRO RXU: 82x30.7x12mm (3.2x1.2x0.5")
Weight:	TX4 PRO/RX4 PRO: 47g (1.7 oz)
	BY-WM4 PRO RXD: 12g (0.4oz)
	BY-WM4 PRO RXU: 9.5g (0.3oz)



## **CAUTION**

1. Please use our original audio signal cable which is equipped, it's more compatible with the wireless microphone, and make the sound better.
2. The figure given is only the approximate value that applies when there are no obstructions between the transmitter and receiver. This distance will vary depending on metal objects, people and other obstructions and on the signal strength.
3. Battery life may vary depending on the type of battery used.

## **IMPORTANT**

- If you do not intend to use the wireless microphone for a long period time, please remove the batteries from both the transmitter and receiver.
- Do not touch the lavalier/lapel microphone, transmitter and receiver while recording, as this will cause noise to be recorded.
- Do not let the transmitter close to high-voltage equipment or to devices that emit strong electromagnetic fields, otherwise, it may cause the noise to be recorded.
- Do not use or leave the transmitter and receiver in hot, humid places.
- Do not leave the receiver attached to the camera when storing the camera in a case.
- Do not mix up to use the transmitter and receiver.

## **WARNING**

- Keep the wireless microphone out of the reach of children.
- Never use leaking batteries and never expose batteries to excessive heat or fire.

## **MAINTENANCE**

- Do not operate the device with wet hands or feet.
- Clean the equipment only in the way described in the instructions for use.
- Take care to prevent the equipment from dropping down. Make sure that the device is properly fastened and reliably mounted. If the device has dropped down on the floor have it inspected by a skilled electrician before you switch it on again.
- Should the equipment be damaged or defective, or if you notice a scorching smell:  
Interrupt the electric power supply immediately by removing the batteries. Do not operate the device with a damaged housing, do not repair the device yourself. Have the device only repaired by a skilled electrician.
- Always keep your device in good condition, as specified in these instructions for use.
- Do not open the device.

## **WARNING**

### **FCC STATEMENT :**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Warning:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**RF warning statement:**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

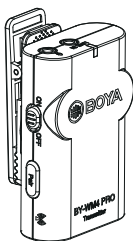
感谢您选择BOYA!

BOYA BY-WM4 PRO是一款性价比高、轻便简约的麦克风,专门为摄影爱好者和摄影师设计, BY-WM4 PRO是新一代2.4GHz无线麦克风,双通道用于双主体拾音,可以用于智能手机、平板电脑、单反相机、摄影机、电脑等等。

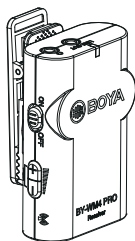
## 产品特点

- 适合youtube, vlogging, facebook, 播客, 移动新闻手机等等
- 2.4 GHz数字频段
- 双通道无线接收器
- 迷你型接收器
- 传输清晰高质量声音
- 60m无障碍操作距离
- 3.5mm耳机监控孔
- 音量控制键
- 立体声/单声道切换模式  
(适用机型: BY-WM4 PRO RXD/RXU)
- 全向型领夹麦麦克风
- 标准冷靴座和背夹(BY-WM4 PRO/BY-WM4 PRO-K2套装配置)
- 拉链包
- 兼容智能手机, 单反相机, 摄像机, PC电脑等  
(适用套装: BY-WM4 PRO/BY-WM4 PRO-K2)
- 兼容智能手机, 平板电脑, 笔记本电脑  
(适用套装: BY-WM4 PRO-K3/K5)

BY-WM4 PRO 由一个腰包发射器(TX4 PRO)和一个便携式接收器(RX4 PRO)组成及其配件组成，清单如下：



腰包发射器(TX4 PRO)



便携式接收器(RX4 PRO)



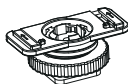
全向型领夹麦克风



3.5mm的TRS输出线



3.5mm的TRRS输出线



冷靴座

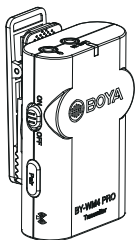


防风棉

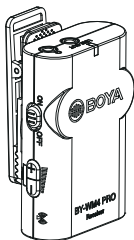


麦克风领夹

BY-WM4 PRO-K2 由两个腰包发射器(TX4 PRO)和一个便携接收器(RX4 PRO)及其配件组成, 清单如下:



腰包发射器(TX4 PRO) (x2)



便携式接收器(RX4 PRO)



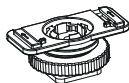
全向型领夹麦克风 (x2)



3.5mm的TRS输出线



3.5mm的TRRS输出线



冷靴座



防风棉 (x2)

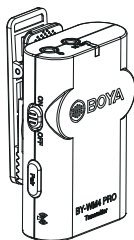


麦克风领夹 (x2)

BY-WM4 PRO-K3 Lightning iOS 设备专用，一拖一麦克风系统。由一个腰包发射器(TX4 PRO)和一个便携接收器(BY-WM4 PRO RXD)及其配件组成，清单如下：



接收器(BY-WM4 PRO RXD)



腰包发射器(TX4 PRO)



全向型领夹麦克风



防风棉



麦克风领夹

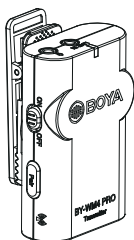


配对顶针

BY-WM4 PRO-K4 Lightning iOS 设备专用，一拖二麦克风系统。由两个腰包发射器(TX4 PRO)和一个便携接收器(BY-WM4 PRO RXD)及其配件组成，清单如下：



接收器(BY-WM4 PRO RXD)



腰包发射器(TX4 PRO) x2



全向型领夹麦克风 x2



防风棉 x2



麦克风领夹 x2



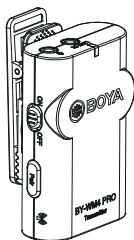
配对顶针



BY-WM4 PRO-K5 Type-C设备专用，一拖一麦克风系统。  
由一个腰包发射器(TX4 PRO)和一个便携接收器(BY-WM4 PRO RXU)及其配件组成，清单如下：



接收器(BY-WM4 PRO RXU)



腰包发射器(TX4 PRO)



全向型领夹麦克风



防风棉



麦克风领夹

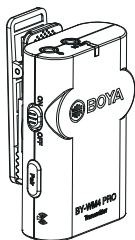


配对顶针

BY-WM4 PRO-K6 Type-C设备专用，一拖二麦克风系统。  
由两个腰包发射器(TX4 PRO)和一个便携接收器(BY-WM4 PRO RXU)及其配件组成，清单如下：



接收器(BY-WM4 PRO RXU)



腰包发射器(TX4 PRO) x2



全向型领夹麦克风 x2



防风棉 x2



麦克风领夹 x2



配对顶针

## 腰包发射器 (TX4 PRO)

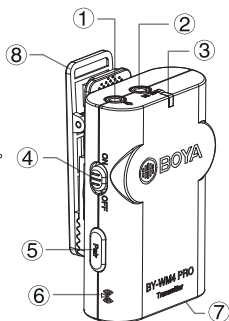
### 1. 麦克风插孔

在此处插入附带的领夹式麦克风。完全插入麦克风的3.5毫米插头，确保插头卡入到位。

### 2. LINE IN插孔

### 3. LED指示灯

- 1) LED指示灯闪蓝光，设备已开启。
- 2) LED指示灯闪红光，电量低。



有关LED指示灯的更多详细信息，请参阅以下内容：

情况	接收器	发射器
接收器和发射器连接	闪蓝光	每隔2.5秒慢闪一次
接收器和发射器断开连接	每隔1秒慢闪一次	每隔1秒慢闪一次
接收器关闭（发射器开启）	关闭	闪蓝光
发射器关闭（接收器开启）	闪蓝光	关闭
低电量	闪红光	

### 4. 电源开关

### 5. Pair键

该键用于连接信号  
更多详情，请参照第45页“如何连接接收器和发射器”。

### 6. 天线



使用时请勿触摸天线，会影响信号接收。

### 7. 电池仓

容纳两节7号（AAA）电池。  
更多详情，请参照第46页“如何连接接收器和发射器”。

### 8. 领夹

更多详情，请参照第46页“如何安装拆卸领夹”。

## 便携接收器 (RX4 PRO)

### 1. 监听孔/耳机插孔

(3.5毫米立体声迷你插孔)

请将耳机插入接口，监听接收器输出音频。



注意：

- 请勿使用单声道耳机连接
- 这可能会导致耳机输出短路，导致声音输出失真。

### 2. LINE OUT(音频输出)插孔

- 可用于智能手机、平板、笔记本。  
与TRRS立体声3.5mm迷你输出接口（直角那端）连接，另一端连接智能手机。
- 可用于相机，摄影机，录音机以及其他录音及摄影设备。  
与TRS立体声3.5mm迷你输出接口连接，另一端连接相机。

### 3. LED指示灯

详情信息请看第五页的LED指示灯。

### 4. 电源指示灯ON/OFF

### 5. 音量键+/-

按键可设置输入信号的衰减量。

### 6. 天线



使用时请勿触摸，会影响信号接收。

### 7. 电池仓

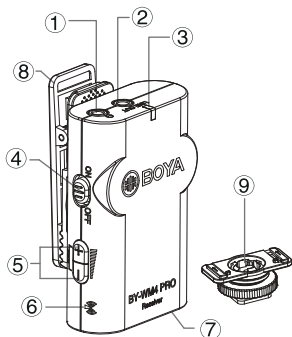
容纳两节7号 (AAA) 电池。

更多详情，请参照第46页“如何连接接收器和发射器”。

### 8. 领夹

更多详情，请参照第46页“如何安装拆卸领夹”。

### 9. 冷靴座



## 音频线的区别

### ① 3.5 mm TRRS音频线

用于连接手机、平板、带耳机/麦克风插孔的苹果电脑或者手提电脑。



### ② 3.5mm TRS音频线

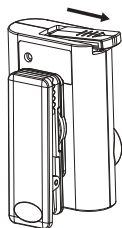
用于连接相机，摄影机，录音机以及其他录音和摄影设备等。



## 如何使用

将电池放入发射器和接收器里

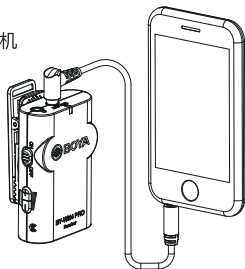
1. 发射器和接收器各需要两节7号（AAA）电池。
2. 滑动并移动发射器电池盖。
3. 装入电池。
4. 关上电池盖。
5. 同样请按照第2-4步，将电池装入接收器。



连接发射器和接收器

将带有耳机口/麦克风插孔的智能手机、平板、笔记本与麦克风相连接接收器

1. 接收器可与手机、平板电脑以及配有耳机或麦克风插孔的苹果电脑和笔记本。
2. 将3.5mm TRRS音频线（直角那端）的插入手机耳机孔。
3. 将转接线（直角那端）插入接收器的“LINE OUT”插孔。
4. 耳机插入接收器的耳机孔，监听声音效果。将开关键打到“ON”的位置（LED电源灯闪蓝光）



注意：请勿混用音频线，详情请参考第44页的“音频线的区别”。



提示：

在录制视频时，不是所有安卓机都支持外置麦克风，此时你需要下载第三方软件，将声源设置成外置麦克风。

### 发射器和接收器连接

发射器和接收器在出厂之前已设置好。


如果发射器和接收器断开连接，请按如下步骤操作：

1. 打开接收器和发射器。
2. 长按接收器的“+”和“-”键三秒，同时长按发射器“Pair”键三秒。
3. 当发射器和接收器连接时，接收器指示灯闪蓝光，每2.5秒闪一次。
4. 重复步骤2，连接另外一个发射器。

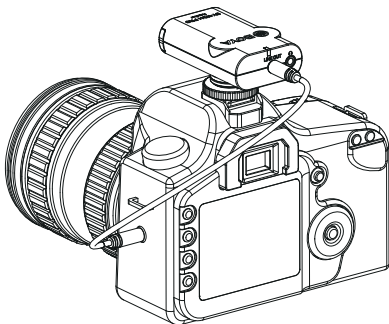
若接收器和发射器的指示灯每隔1秒闪一次，表明配对不成功，请重新按1-4步骤操作。

与相机，摄影机，录音机，和其他录音及摄影设备连接时。

### 接收器

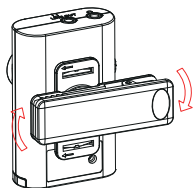
1. 与相机，摄影机，录音机，和其他录音及摄影设备连接。
2. 插入3.5mmTRS音频线至相机的音频插孔。
3. 插入音频线的另一端至接收器的“LINE OUT”插孔。
4. 插入耳机线至接收器的耳机插孔，当你需要实时监听。
5. 将电源键打到ON键(LED电源指示灯会闪蓝光)

注意：请勿混用音频线，详情请参考第44页的“音频线的区别”。



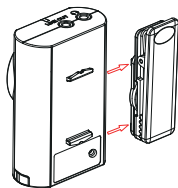
## 安装麦克风

1. 在产品出厂前，夹子已安在麦克风上。
2. 发射器和接收器都附带夹子，这样麦克风可在任何场合佩戴。
3. 旋转麦克风对准嘴巴的方向。

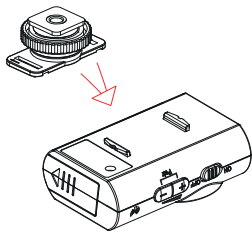


若要安装接收器在相机的热靴或冷靴座上，请按如下步骤操作：

1. 推动夹子往右边方向抽离。



2. 推入冷靴座到相应位置。
3. 安装接收器至相机的热靴或冷靴座上。



# BY-WM4 PRO RXD

2.4GHz无线接收器

Lightning iOS 设备专用





# 接收器 (BY-WM4 PRO RXD)

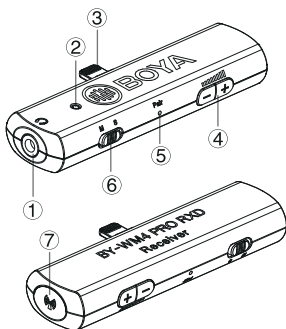
## 1. 监听孔/耳机插孔

(3.5毫米立体声迷你插孔)  
请将耳机插入接口，监听接收器输出音频。



注意：

- 请勿使用单声道耳机连接
- 这可能会导致耳机输出短路，导致声音输出失真。



## 2. Power LED

有关LED指示灯的更多详细信息，  
请参阅以下内容：

情况	接收器	发射器
接收器和发射器连接	闪蓝光	每隔2.5秒慢闪一次
接收器和发射器断开连接	每隔1秒慢闪一次	每隔1秒慢闪一次
接收器关闭 (发射器开启)	关闭	闪蓝光
发射器关闭 (接收器开启)	闪蓝光	关闭
低电量	闪红光	
发射器和接收器等待配对	闪蓝光	

## 3. Lightning接口

## 4. 音量键-/+

调节输入电平大小

## 5. 配对键

该键用于连接信号

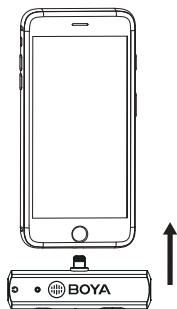
更多详情，请参照第45页“如何连接接收器和发射器”

## 6. 单声道/立体声切换键

## 7. 天线

## 如何使用

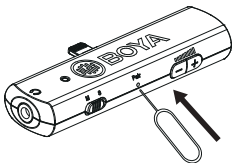
1. 将BY-WM4 PRO RXD直接插入Lightning iOS设备上。
2. 然后打开移动设备上的音频/视频app，接收机指示灯亮蓝灯。
3. 电源指示灯缓慢闪烁等待连接发射机。



### 连接发射机和接收机

出厂前，发射机与接收机连接好。如果发射机和接收机断开，请按以下步骤操作：

1. 打开发射机，将接收机连接到智能手机上。
2. 用长按接收机的配对键，接收器指示灯会快速闪烁，进入配对模式时。
3. 长按对侧的按钮发射机进入配对模式。
4. 当发射机和接收机连接时，接收器的光保持蓝色，发射器闪烁每2.5秒。否则，接收器和发射器的光将每1秒持续闪烁一次，然后再试1-3步。



注意：

- 1) 请调整RXD的监控音频音量之前的记录。

# BY-WM4 PRO RXU

2.4GHz无线接收器

Type-C接口设备专用



# 接收器 (BY-WM4 PRO RXU)

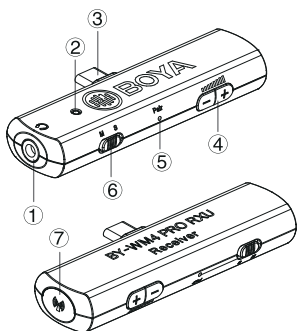
## 1. 监听孔/耳机插孔

(3.5毫米立体声迷你插孔)  
请将耳机插入接口，监听接收器输出音频。



注意：

- 请勿使用单声道耳机连接
- 这可能会导致耳机输出短路，导致声音输出失真。



## 2. Power LED

有关LED指示灯的更多详细信息，  
请参阅以下内容：

情况	接收器	发射器
接收器和发射器连接	闪蓝光	每隔2.5秒慢闪一次
接收器和发射器断开连接	每隔1秒慢闪一次	每隔1秒慢闪一次
接收器关闭（发射器开启）	关闭	闪蓝光
发射器关闭（接收器开启）	闪蓝光	关闭
低电量	闪红光	
发射器和接收器等待配对	闪蓝光	

## 3. Type-C接口

## 4. 音量键-/+

调节输入电平大小

## 5. 配对键

该键用于连接信号

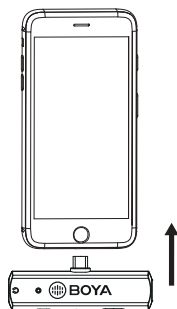
更多详情，请参照第45页“如何连接接收器和发射器”

## 6. 单声道/立体声切换键

## 7. 天线

## 如何使用

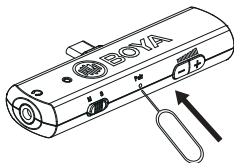
1. 将BY-WM4 PRO RXU直接插入Type-C接口设备上。
2. 电源指示灯缓慢闪烁等待连接发射机。



### 连接发射机和接收机

出厂前，发射机与接收机连接好。如果发射机和接收机断开，请按以下步骤操作：

1. 打开发射机，将接收机连接到智能手机上。
2. 用长按接收机的配对键，接收器指示灯会快速闪烁，进入配对模式时。
3. 长按对侧的按钮发射机进入配对模式。
4. 当发射机和接收机连接时，接收器的光保持蓝色，发射器闪烁每2.5秒。否则，接收器和发射器的光将每1秒持续闪烁一次，然后再试1-3步。



注意：

- 1) 请调整RXU的监控音频音量之前的记录。

## 产品参数

射频调制:	高斯频移键
频段:	2.4GHz (2405~2478MHz)
频率响应:	35Hz~14KHz±3dB
信噪比:	高于84dB
失真:	低于0.05%
射频输出电频:	3mW
输出功率:	<10mW
耳机输出:	32Ω,65mW
灵敏度:	-90dB +/- 3dB / 0dB=1V/Pa, 1kHz
音频输入线:	3.5mm立体声迷你接口
操作范围:	60m (无障碍距离)
电源类型:	TX4 PRO/RX4 PRO: 3V DC (两节AAA 7号电池供电)
	BY-WM4 PRO RXD: iOS 设备供电
	BY-WM4 PRO RXU: USB Type-C 设备供电
接口:	BY-WM4 PRO RXD: 苹果 MFi 认证 Lightning 接口
	BY-WM4 PRO RXU: USB Type-C 接口
功率消耗:	发射器: 3V/70mA 接收器: 3V/70mA
尺寸:	TX4 PRO/RX4 PRO: 45x70x35mm
	BY-WM4 PRO RXD: 82x30.7x12mm
	BY-WM4 PRO RXU: 82x30.7x12mm
重量:	TX4 PRO/RX4 PRO: 47g
	BY-WM4 PRO RXD: 12g
	BY-WM4 PRO RXU: 9.5g

## 警告

1. 请使用我们配置的原装音频线，它兼容多种类型的无线麦克风，并且能提升音质效果。
2. 提供操作范围仅是大致的参考数值，是发射器和接收器在无障碍情况下的操作距离。当遇到金属物品、人以及其它障碍时，实际操作距离会根据信号强度发生变化。
3. 电池寿命视电池使用情况而定。

## 重要事项

- 如果您长期不使用麦克风，请移除发射器和接收器里的电池。
- 当你录音时，请勿触碰领夹麦、发射器及接收器。否则，噪音也将收录进去。
- 请勿将发射器靠近高压器械或设备，这将会产生强大的电磁场，并且产生噪音影响音质。
- 请勿将发射器和接收器在炎热或潮湿的环境下使用或存放。
- 当相机存放在箱子时，确保接收器已从相机上拆卸。
- 请勿混用发射器和接收器。

## 警告

- 将设备放在儿童接触不到的地方。
- 请勿使用漏电电池或将电池弃置热源或火源处。
- 保养方法
- 操作设备时请保持手的干燥。
- 务必按照说明书的方法来清洁设备。
- 务必按照说明书的方法来清洁设备。
- 保护好设备以防跌落，确保设备已安装稳固。
- 若设备发生跌落的情况，请勿马上开启设备，让专业维修人员帮你查看情况。
- 如果您闻到的灼烧的气味，可能是设备已损坏或有缺陷：
- 应马上切断电源供应，移除电池。
- 当设备损坏时，请勿自行修复。
- 设备维修只能由专业维修人员进行。
- 请将设备放在良好的存储环境，按照说明书的指示进行使用。
- 请勿擅自打开设备。

## 警告

FCC 声明：

该设备符合FCC第15条条款操作符合以下两种情况下。

- (1) 本设备不会发出有害的干扰。
- (2) 此设备会受到其他信号的干扰，包括可能导致意外操作的干扰。

## 警告

未经遵守我方明确批准的变更或修改可能会使用户丧失操作设备的权力。  
提示：

该设备已经过测试，根据FCC第15条条款，符合B级数字设备标准。

这些限制是为了住宅装置提供合理的保护，防止有害干扰。

这种设备能适用于各种用途并能发射无线电频率，若不按操作手册使用，可能对无线通信造成有害干扰。但也不能保证在特定安装中不会发生干扰。如果这种设备确实干扰到收音机或电视机的信号接收，可以通过关闭和打开设备来判断，建议用户尽量采取下列一项或多项措施纠正干扰：

重新旋转或安装接收天线。

增加设备和接收器之间的距离。

请将设备连接至除接收器相连电路以外的外接电路插座。

向经销商或有经验的广播、电视技术人员寻求帮助。

## RF警告申明：

该设备已进行测试，满足一般射频的使用要求，可在外可以无限制条件下使用。



[www.boya-mic.com](http://www.boya-mic.com)

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