

品牌	BOYA	型号	BY-WM4 PRO-C
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BY-WM4 PRO

Dual-Channel Digital Wireless Microphone

Instruction Manual

Thank you for purchasing BOYA BY-WM4 PRO! Designed for vloggers and video hobbyists, BY-WM4 PRO is a new generation 2.4 GHz wireless microphone, dual-channel for capturing audio with dual subjects to your smartphones, tablets, DSLR cameras, consumer camcorders, PCs etc.

Feature

- Dual-Channel Wireless Receiver
- Digital 2.4 GHz Frequency band
- Super-clear recording sound
- Compatible with smartphones, DSLR cameras, consumer camcorders, PCs etc.
- Lightweight and compact for easy carrying
- Omnidirectional lavalar microphone
- Hand case included
- Standard camera shoe mount and clip included
- Up to 60m (197ft) operation range (without obstacle)
- Power supplied by two AAA batteries for transmitter and receiver

BY-WM4 Pro-K1 consists of one body-pack transmitter (TX4 Pro), a portable receiver (RX4 Pro), and their accessories as following:

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)

- 1. Microphone input**
 - Connect the supplied lavalier microphone here.
 - Fully insert the microphone's 3.5mm plug and make sure it fits 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:

State	Indicator	Transmitter
Power on and the normal connection	Power off	Power on (blue)
Power on and the normal connection	Power on (blue)	Power on (blue)
Power on and a normal connection	Power on (blue)	Power on (blue)
Power on and a normal connection	Power on (blue)	Power on (blue)

- 4. Power OFF/ON**
 - 1) This button is for connecting signal.
 - For details, please see "How to connect transmitter and receiver" on page 11.
- 5. Pair**
 - 1) Please don't touch here during using, otherwise, it will effect signal.
- 6. Antenna**
 - 1) Accommodates two pieces of AAA batteries.
 - For more details, please see "Installing batteries" on page 9.
- 7. Battery compartment**
 - 1) Accommodates two pieces of AAA batteries.
 - For more details, please see "Installing or uninstalling clip" on page 15.
- 8. Clip**
 - 1) For using smartphone, tablet or Mac.
 - Correct one end (90° plug) of the supplied TRRS stereo 3.5mm mini output cable here, and the other end (straight plug) to smartphone.

Receiver (RX4 Pro)

- 1. Earphone Jack**
 - (3.5mm diameter stereo mini jack)
 - To monitor the receiver output, connect the headphones to this connector.
- 2. LINE OUT (audio output) Jack**
 - For using smartphone, tablet or Mac.
 - Correct 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 5.
- 4. Power OFF/ON**
 - Press these buttons to set the attenuation level of the input signal.
- 5. Antenna**
 - 1) Please don't touch here during using, otherwise, it will effect signal.
- 6. Battery compartment**
 - 1) Accommodates two pieces of AAA batteries.
 - For more details, please see "Installing batteries" on page 9.
- 8. Clip**
 - For more details, please see "Installing or uninstalling clip" on page 15.
- 9. Show mount adapter**

What's difference?

3.5 mm TRRS connector

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

Convert it

Connect it to the "LINE OUT" of the transmitter and the "LINE IN" of the receiver.

3.5 mm TRS connector

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

How to use it

Insert batteries in the transmitter and receiver units

1. Both transmitter and receiver requires two AAA size batteries.
2. Slide and remove the transmitter's battery compartment covers.
3. Insert two pieces of batteries.
4. Close the battery compartment covers.
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/MC jack

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, tablet, Mac or laptop.
3. Insert the 90° plug of the connecting cable into the receiver "LINE OUT" jack.
4. Insert earphone into receiver "C" for monitoring Sound if you need.

Caution: Please do not mix up plug, for details, please refer to "What's difference" on page 15.

Connecting the Transmitters 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 receiver and the transmitter.
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 transmitters.

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 "C" for monitoring Sound if you need.
5. Slide the power ON/OFF switch to ON position (the LED indicator will light or blue).

Caution: Please do not mix up audio cable, for details, please refer to "What's difference on page 15".

Install microphone

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.

Specifications:

RF Modulation	OFDM (Spread Frequency, 2.4GHz)
Frequency band	2400MHz~2484MHz
Frequency response	20Hz~20KHz
Signal-to-noise	120dB
Distortion	0.05% (1KHz, 10V)
RF output level	10dBm
Antenna	3.5mm mini jack
Receiver sensitivity	-100dBm
Audio level connector	3.5mm mini jack
Operation range	60m (197ft) (without obstacle)
Power supply	2x AAA (New and old batteries)
Power consumption	Transmitter: 30mA/0.3W Receiver: 70mA/0.7W
Dimensions	Receiver: 46x26x20mm (1.81x1.04x0.79 inch) Transmitter: 46x26x20mm (1.81x1.04x0.79 inch)
Weight	Receiver: 45g (1.6oz) Transmitter: 45g (1.6oz)

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 dripping down.
- Make sure that the device is properly fastened and reliably insured. If the device has dropped down on the floor have it inspected by a skilled technician before you switch it on again.
- Should the equipment be damaged or defective or if you notice a recording error, 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 technician.
- Always keep your device in good condition, as specified in these instructions for use.
- Do not open the device.

WARNING

FCC STATEMENT 1

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.

RF warning statement:

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

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技术要求
1、 光源无噪音
2、 无正负公差
3、 包装尺寸大小为内尺寸

JIAYZ 长丰 深圳市长丰影像器材有限公司				
产品名称	BY-WM4 PRO-K2 说明书	版本	V001	
文件编号	1F0300000192	日期	10562 编辑: 魏马灯	2016
尺寸	90x145	比例	1:1.1	mm
印刷/日期	长丰	印刷	长丰	印刷