1		2	
品牌	BOYA	长丰型号	BY-M1LV

7			8	
修改名称	版本	变更内容	变更日期	变更担当

BOYA

2.4GHz Wireless Microphone System

2.4GHz无线麦克风系统

BY-M1LV-D
BY-M1LV-U

User Manual
用户手册

1

General Introduction

Thanks for choosing BOYA!
The BOYA BY-M1LV is an incredibly lightweight, ultracompact and easy-to-use 2.4GHz wireless microphone system for mobile devices, delivering limited, exceptionallyaudio sound.
The system series is comprised of two different receivers.
The BY-M1LV-D receiver features a MFi Certified Lightning output, designed for Apple iOS devices.
The BY-M1LV-U-RX receiver features a USB-C output, allowing it to work with Android phones, tablets and other devices with a USB-C port.
The BY-M1LV-TX clip-on transmitter has a high-quality built-in mic. It is small and lightweight, making it ideal for discreet recording. The transmitter has a volume volume control and mute function, you are in total control of your sound.
The BOYA BY-M1LV system provides a great solution for live streaming, content creation, mobile journalists, and more.

Available Kits

Model	In the box
BY-M1LV-D	1 x BY-M1LV-D-RX 1 x BY-M1LV-TX
BY-M1LV-U	1 x BY-M1LV-U-RX 1 x BY-M1LV-TX

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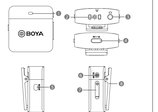
Product Structure

BY-M1LV-TX: Clip-on Transmitter with Built-in Microphone



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1. Status indicator

Mode	Indicator
Unpaired	Flashing blue light
Pairing	Blue and red lights flash alternately
Paired Successfully	Slow flashing blue light
Mute ON	Solid green light
Microphone Monitor ON	Slow flashing green light
(Supports Direct & Playback Monitoring)	
Microphone Monitor OFF	Green light off
Only (supports Playback Monitoring)	
Low Battery	Flashing red light
Charging	Solid red light
Fully Charged	Light off

2. Built-in microphone
3. 3.5mm headphone jack
- Connect headphones for audio monitoring.

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4. USB-C charging port
5. Mode button

Function	Operation
Gain adjustment	Short press the button to adjust mic gain. (Tnere are 3 steps for gain setting)
Enable microphone monitor function	Double-click the button to enable microphone monitoring. Then press volume button to adjust headphone volume. Double-click the button again to exit microphone monitor mode.

6. Power-Mute button

Function	Operation
Power ON/OFF	Press and hold for 1 seconds
Mute ON/OFF	Short press
Pairing	Double-click

7. Volume control (+/-button)
- Press the +/- button to adjust headphone volume.

8. Belt clip

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Voice Prompt

Power ON	"Power ON"
Power OFF	"Power OFF"
Connected	"Bluetooth Connected"
Disconnected	"Bluetooth Disconnected"
Clips One (Gain Setting)	"Clips One"
Clips Two (Gain Setting)	"Clips Two"
Clips Three (Gain Setting)	"Clips Three"
Microphone Monitor Function Enabled	"Microphone Monitor ON"
Microphone Monitor Function Disabled	"Microphone Monitor OFF"
Low Battery	"Battery Low"
Mute OFF	"Microphone ON"
Mute ON	"Microphone OFF"

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BY-M1LV-D-RX: Compact Receiver with Lightning Connector

1. Lightning Connector
- It can be connected to an iOS lightning device.

2. Pairing Indicator

Mode	Indicator
Unpaired	Flashing blue light
Pairing	Quick flashing blue light
Paired Successfully	Slow flashing blue light

3. Pair Pinhole

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BY-M1LV-U-RX: Compact Receiver with USB-C Connector

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

2. Pairing Indicator

Mode	Indicator
Unpaired	Flashing blue light
Pairing	Quick flashing blue light
Paired Successfully	Slow flashing blue light

3. Pair Pinhole

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Operation Guide

1. Press and hold the power button for 3 seconds to turn on the transmitter.
2. Plug the BY-M1LV-D-RX into an iOS device or the BY-M1LV-U-RX into a USB-C device.
3. Transmitter and receiver pairing
Before leaving factory, the system is pre-paired. Therefore, the connection will be established once they are powered on. If they are disconnected, please follow the steps below:
① Double-click the power button of transmitter. The indicator flashes blue and red alternately.
② When the transmitter indicator flashes blue and red alternately, insert the transmitter's magnetic pairing pin into the small pinhole on the receiver. The indicator of receiver flashes blue rapidly.
③ Transmitter and receiver will be paired within 10 seconds. Indicators of both will flash blue slowly.
4. You are ready to record.

⚠
Note:
Due to 2.4GHz wireless frequency, signal can be easily attenuated. Please try to avoid obstacles, such as walls and buildings, and avoid close proximity to other 2.4GHz devices, such as high-power wifi antennas, smartphones with wifi in use, radios, etc.

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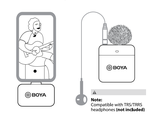
Connection Example



⚠
Note:
Compatible with TRS/TRRS headphones **(not included)**

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Specifications

BY-M1LV-TX

Transmission Type	2.4GHz
Modulation	GFSK
Operating Range	Up to 328' (100m) (without obstacles)
RF Output Power	5.16mW
Audio Output	MFi Certified Lightning Connector
Power Requirements	Supplied by iOS Devices
Antenna	PIFA Antenna
Noise Cancellation	Yes
Weight	Approx. 10g
Dimensions	23x18x21.4mm
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 55°C

BY-M1LV-D-RX

Transmission Type	2.4GHz
Modulation	GFSK
Operating Range	Up to 328' (100m) (without obstacles)
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Audio Output	MFi Certified Lightning Connector
Power Requirements	Supplied by iOS Devices
Antenna	PIFA Antenna
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Dimensions	23x18x21.4mm
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 55°C

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BY-M1LV-U-RX

Transmission Type	2.4GHz
Modulation	GFSK
Operating Range	Up to 328' (100m) (without obstacles)
RF Output Power	5.16mW
Audio Output	USB-C Connector
Power Requirements	Supplied by USB-C Devices
Antenna	PIFA Antenna
Noise Reduction	Yes
Weight	Approx. 10g
Dimensions	23x18x21.4mm
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 55°C

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Packing List

BY-M1LV-D (BY-M1LV-TX+ BY-M1LV-D-RX)
1 x BY-M1LV-TX Transmitter
1 x BY-M1LV-D-RX Receiver
1 x USB-C Charging Cable
1 x Fur Windshield
1 x Pairing Pin

BY-M1LV-U (BY-M1LV-TX+ BY-M1LV-U-RX)
1 x BY-M1LV-TX Transmitter
1 x BY-M1LV-U-RX Receiver
1 x USB-C Charging Cable
1 x Fur Windshield
1 x Pairing Pin

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概述

感谢您选择BOYA!
博视BY-M1LV是一款超轻便携、易于使用的2.4GHz无线麦克风系统，提供有限的、异常的音频。该系统有两个系列接收器可选。
麦克风系统BY-M1LV-D-RX和BY-M1LV-U-RX两款不同的接收器分别支持，BY-M1LV-D-RX是一款通过MFi认证的Lightning接收器，用于iOS系统Lightning接口设备。
BY-M1LV-U-RX是一款USB-C接收器，用于安卓手机，平板以及其他带有USB-C接口的设备。
BY-M1LV-TX夹式无线领夹内置麦克风，可快速高品质录音，外形袖珍小巧，可轻松夹在衣服上使用。此外，发射器还具有增益调节，耳机音量调节和静音功能。
博视BY-M1LV系统是直播，视频内容创作，移动新闻等的理想选择。

BY-M1LV组合套装

型号	套装内容
BY-M1LV-D	1 x BY-M1LV-D-RX 1 x BY-M1LV-TX
BY-M1LV-U	1 x BY-M1LV-U-RX 1 x BY-M1LV-TX

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产品结构

BY-M1LV-TX: 领夹式发射器（带内置麦克风）

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1. 状态指示灯

模式	指示灯
未配对	蓝灯闪烁
对码中	蓝灯红警闪烁
配机成功	蓝灯慢闪
静音模式	绿灯常亮
监听模式开启	绿灯慢闪
（支持实时和回放监听）	
监听模式关闭	绿灯熄灭
（只支持回放监听）	
低电量	红灯闪烁
充电中	红灯常亮
充满电	红灯熄灭

2. 内置麦克风
3. 3.5mm耳机插孔
- 插入耳机进行音频监听。

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4. USB-C充电口
5. 模式键

功能	操作
增益调节	短按键位键调节麦克风增益（通常三档增益可调）
开启麦克风监听功能	双击模式键打开麦克风监听模式，此时按+/-键可调节监听音量，再次双击模式键可退出监听模式。

6. 电源/静音键

功能	操作
开/关机	长按按键3秒
开启/关闭静音	短按按键
进入配对模式	双击按键

7. 音量+-键
- 短按+-键可调节耳机音量大小。

8. 腰夹

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语音提示

开机	"Power ON"
关机	"Power OFF"
蓝牙已连接	"Bluetooth Connected"
蓝牙已断开	"Bluetooth Disconnected"
等级一（增益设置）	"Clips One"
等级二（增益设置）	"Clips Two"
等级三（增益设置）	"Clips Three"
麦克风监听功能开启	"Microphone Monitor ON"
麦克风监听功能关闭	"Microphone Monitor OFF"
低电量	"Battery Low"
关闭静音模式	"Microphone ON"
开启静音模式	"Microphone OFF"

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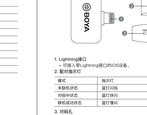
BY-M1LV-D-RX：Lightning接收器



1. Lightning接口
- 可插入带Lightning接口的iOS设备。

2. 配对指示灯

模式	指示灯
未配对状态	蓝灯闪烁
对码中状态	蓝灯快闪
配机成功状态	蓝灯慢闪

3. 对码孔

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BY-M1LV-U-RX：USB-C接收器

1. USB-C接收器
- 可接入安卓手机，平板或其他USB-C设备。

2. 配对指示灯

模式	指示灯
未配对状态	蓝灯闪烁
对码中状态	蓝灯快闪
配机成功状态	蓝灯慢闪

3. 对码孔

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操作指南

1. 长按电源键3秒，打开发射器。
2. 将BY-M1LV-D-RX接入iOS设备或将BY-M1LV-U-RX接入USB-C设备。
3. 发射器和接收器
发射器和接收器在厂家已配对成功，因此，产品开机之后会自动耦机。若无成功连接，请进行如下配对操作：
① 双击发射器的电源键，指示灯会蓝红灯交替闪烁。
② 在发射器指示灯蓝红灯交替闪烁期间，将对码针插入接收器对码孔内，接收器指示灯蓝灯快闪。
③ 发射器和接收器将在10秒内配对成功，发射器和接收器指示灯均蓝灯慢闪。
4. 开始录制。

⚠
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，避免靠近2.4GHz频率的设备，如大功率WiFi天线，正在使用WiFi的智能手机，收音机等。

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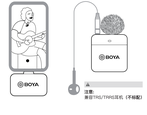
使用场景示例



⚠
注意：
兼容TRS/TRRS耳机 **(不包括)**

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参数

BY-M1LV-TX

传输方式	2.4GHz
信号调制	高斯频移键控
操作范围	最远至100米（无障碍）
射频输出功率	5.16mW
麦克风拾音模式	全向
降噪模式	支持
音频输出	内置麦克风，全向型
频率响应	50Hz-18.5KHz
信噪比	> 70dB
最大声压级	内置麦克风：105dB SPL
灵敏度	内置麦克风：-35dBv/1Pa(-35dBv/1V,94dB SPL)
供电方式	内置锂电池（USB-C 充电宝供电）
天线	PIFA天线
电源时间	约6.5H
重量	3.5mm插孔
尺寸	约10g
工作温度	23x18.5x14mm
贮存温度	0°C~50°C
	-20°C~55°C

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BY-M1LV-D-RX

传输方式	2.4GHz
信号调制	高斯频移键控
操作范围	最远至100米（无障碍）
射频输出功率	5.16mW
麦克风拾音模式	MFi认证Lightning接口
降噪模式	内置锂电池，全向型
音频输出	支持
频率响应	50Hz-18.5KHz
信噪比	> 70dB
最大声压级	内置麦克风：105dB SPL
灵敏度	内置麦克风：-35dBv/1Pa(-35dBv/1V,94dB SPL)
供电方式	内置锂电池（USB-C 充电宝供电）
天线	PIFA天线
电源时间	约6.5H
重量	约10g
尺寸	23x18.5x14mm
工作温度	0°C~50°C
贮存温度	-20°C~55°C

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BY-M1LV-U-RX

传输方式	2.4GHz
信号调制	高斯频移键控
操作范围	最远至100米（无障碍）
射频输出功率	USB-C接口
麦克风拾音模式	MFi认证Lightning接口
降噪模式	内置锂电池，全向型
音频输出	支持
频率响应	50Hz-18.5KHz
信噪比	> 70dB
最大声压级	内置麦克风：105dB SPL
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天线	PIFA天线
电源时间	约6.5H
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工作温度	0°C~50°C
贮存温度	-20°C~55°C

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包装清单

BY-M1LV-D (BY-M1LV-TX+ BY-M1LV-D-RX)
1 x BY-M1LV-TX发射器
1 x BY-M1LV-D-RX接收器
1 x USB-C充电线
1 x 防风毛套
1 x 对码针

BY-M1LV-U (BY-M1LV-TX+ BY-M1LV-U-RX)
1 x BY-M1LV-TX发射器
1 x BY-M1LV-U-RX接收器
1 x USB-C充电线
1 x 防风毛套
1 x 对码针

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www.boya-mic.com

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www.boya-mic.com / www.jiayz.com

技术要求：

1、表面无色差
2、无正负公差
3、包装标注尺寸为内尺寸

JIAYZ长丰 深圳市长丰影像器材有限公司

子件名称	BY-M1LV系列说明书		版本	V00
子件编号	1F0300300465	材质	80g书写纸 骑马钉 28p	
尺寸	100x95	比例	1:1	单位 mm
设计/日期	吴蒙蒙 2021-10-29	审核	暂无	核准/日期 赵宏亮

长丰影像
2021-10-29
吴蒙蒙