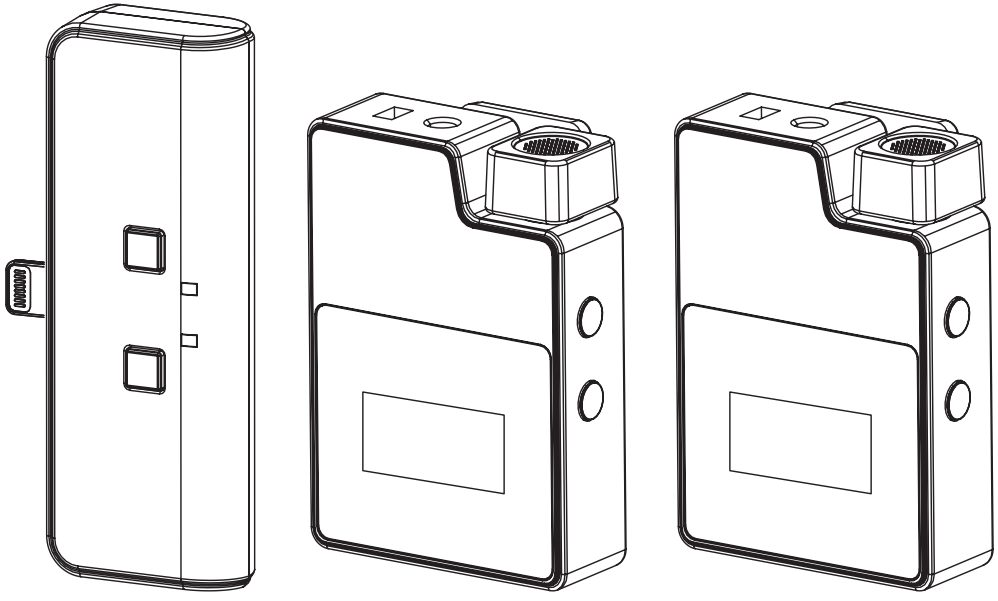
COMICA
PROFESSIONAL AUDIO EQUIPMENT

BoomX-D MI

2.4G Digital Wireless Microphone



Made for
iPhone | iPad | iPod

User Manual

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.

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 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.

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

FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage.
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC: 27232-BOOMXD
Model#BOOMX-D
PMN: 2.4G Digital 1-Trigger-2 Wireless Microphone
FVIN: 053 tx = 1.2.4

Foreword

Thanks for purchasing COMICA BoomX-D MI

Main Features

- 2.4G Dual-channel Wireless Microphone, Global Free Frequency
- 48kHz/16bit Record, CD-level Sound Quality
- Digital/Analog Outputs, Universal for Camera/ Smartphone/PC
- Support Gain Control, One-click Muting and Denoise
- Intuitive Power, Audio Dynamic Monitor and Other Display Functions
- Real-time Monitor, Mono/Stereo Mode Switch
- Internal and External MIC Two Input Modes
- Low Latency<20ms, Working Range up to 300m(Open Area)
- Designed with Multi-functional Belt Clip and Compact

Notice

⚠ Due to 2.4G wireless characteristics, please keep face to face when use it, and don't turn your back to thereceiver, otherwise it is easy to generate breakpoints, which is a normal phenomenon

⚠ Don't block the antenna position to avoid any poor signal generated

⚠ When the transmitter and receiver are not connected, the transmitter does not show the audio dynamic bar

⚠ Please attention that it can not realize STEREO function when in single-channel mode

⚠ When using the playback recording function with devices of iOS system, it can not achieve it due to the protectionof the iOS system if the volume of the device is adiusted to the maximum before monitoring, you need to readiusithe volume of the device to realize playback recording (It is recommended that the headphone volume is notadiusted to the maximum)

⚠ This product belongs to high-precision instruments, please avoid falling, collision or pounding

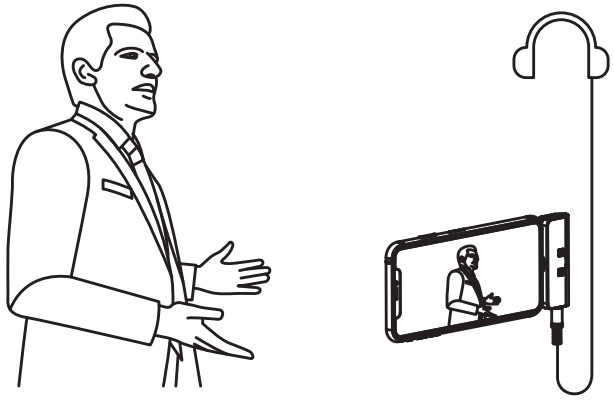
⚠ Do not use this equipment in the vicinity of heat source or interference source, such as radiator, oven, refrigerator or air conditioner

If the pick-up distance is close or when used outdoors, please put on the wind muff to prevent sound burst or reduce wind noise

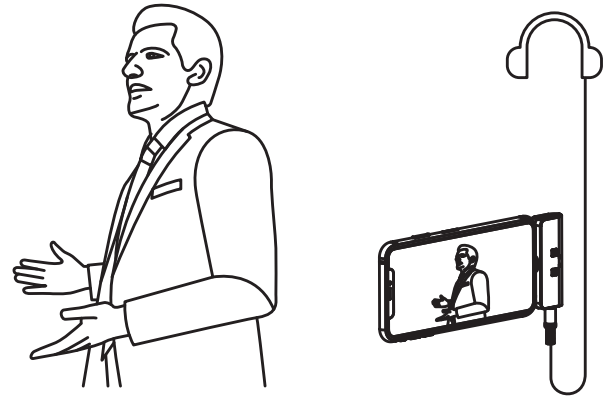
⚠ Do not use the equipment in rain or in a damp environment to avoid short-circuit danger

⚠ Please keep the product in a dry environment

Please keep face to face when use it, and don’t turn your back to the receiver, otherwise it is easy to generate breakpoints.

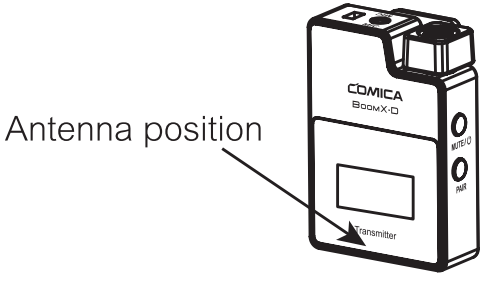


Face to receiver (correct)

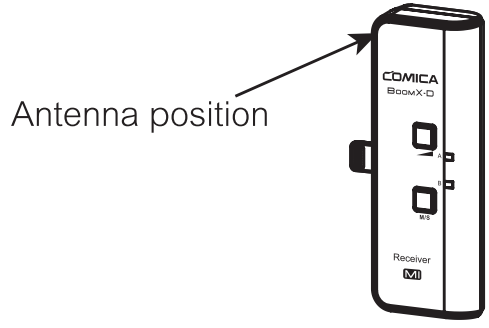


Back to receiver (incorrect)

Don't block the antenna position to avoid any poor signal generated.



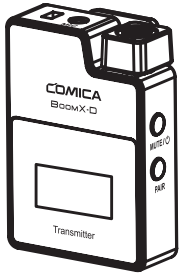
Transmitter(TX)



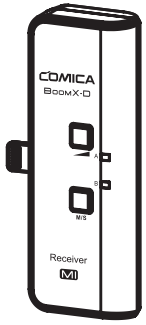
MI Receiver (MI RX)

Packing List

Main Parts:

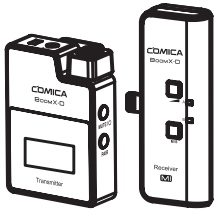


Transmitter(TX)

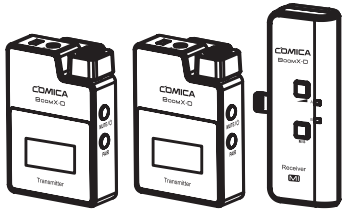


MI Receiver (MI RX)

Multiple Selections:



MI1 =TX + MI RX



MI2 = TX + TX + MI RX

Accessorie:

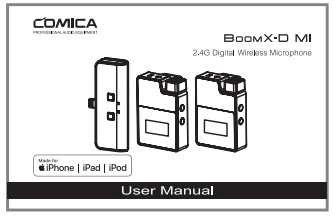
① 3.5mm Mic Audio Input Cable
② Wind Muff
③ Charging Cable
④ 3 in 1 Charging/Output Cable (The orange cable can be used for charging and data transmitting; the black cables can only be used for charging.)
⑤ User Manual
⑥ Warranty Card

①

②

③

④



⑤

⑥

The accessories ofeach combination include：

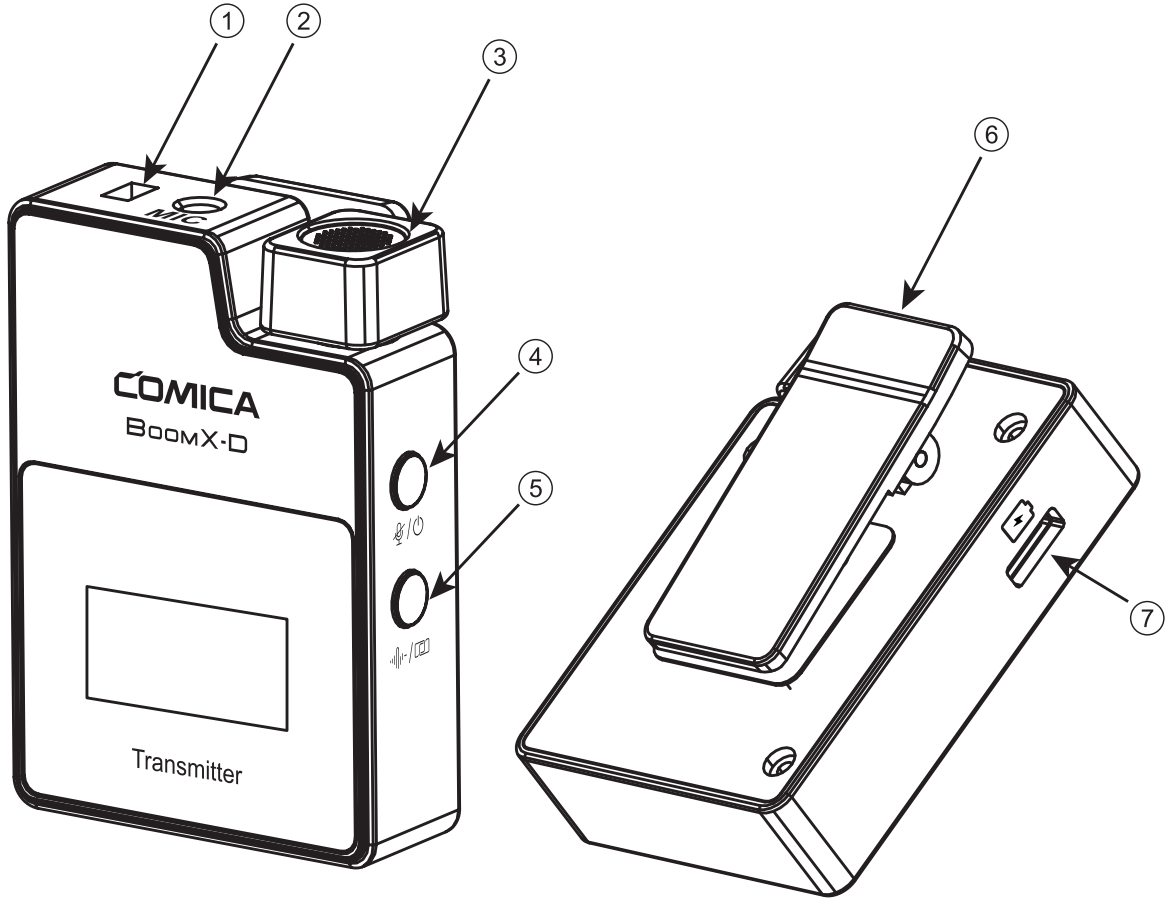
MI1= ①+②+③+⑤+⑥

MI2= ①x2+②x2+④+⑤+⑥

Components and Instruction

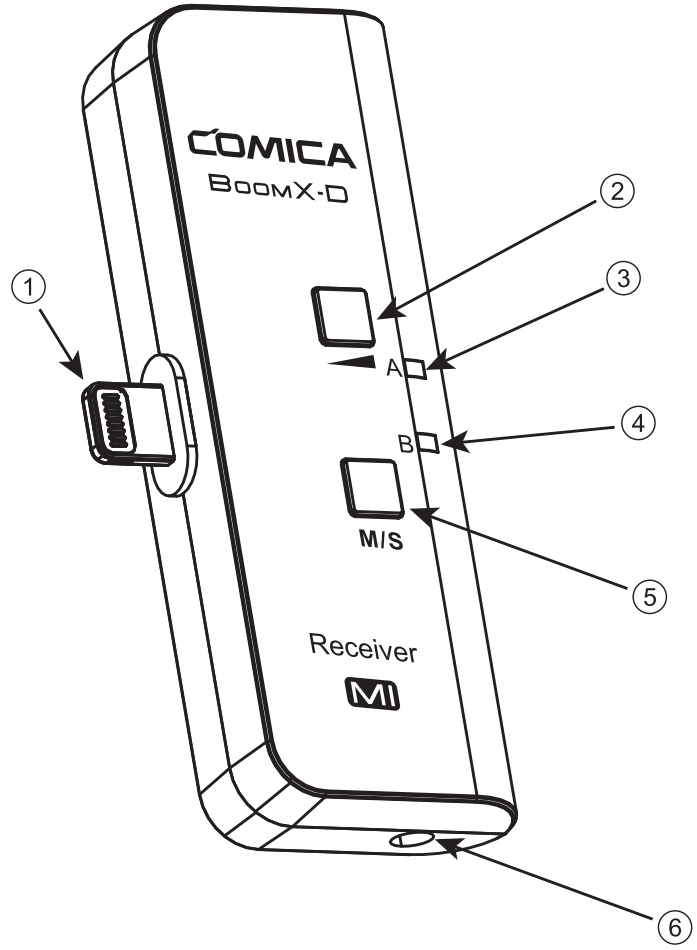
Transmitter (TX)

1. External Mic Locking Buckle
2. 3.5mm TRS Port of External Mic
3. Internal Mic
4. Power/Muting/Reset Button
5. Pair/Denoise Button
6. Belt Clip
7. USB-C Charging Port



MI Receiver (MI RX)

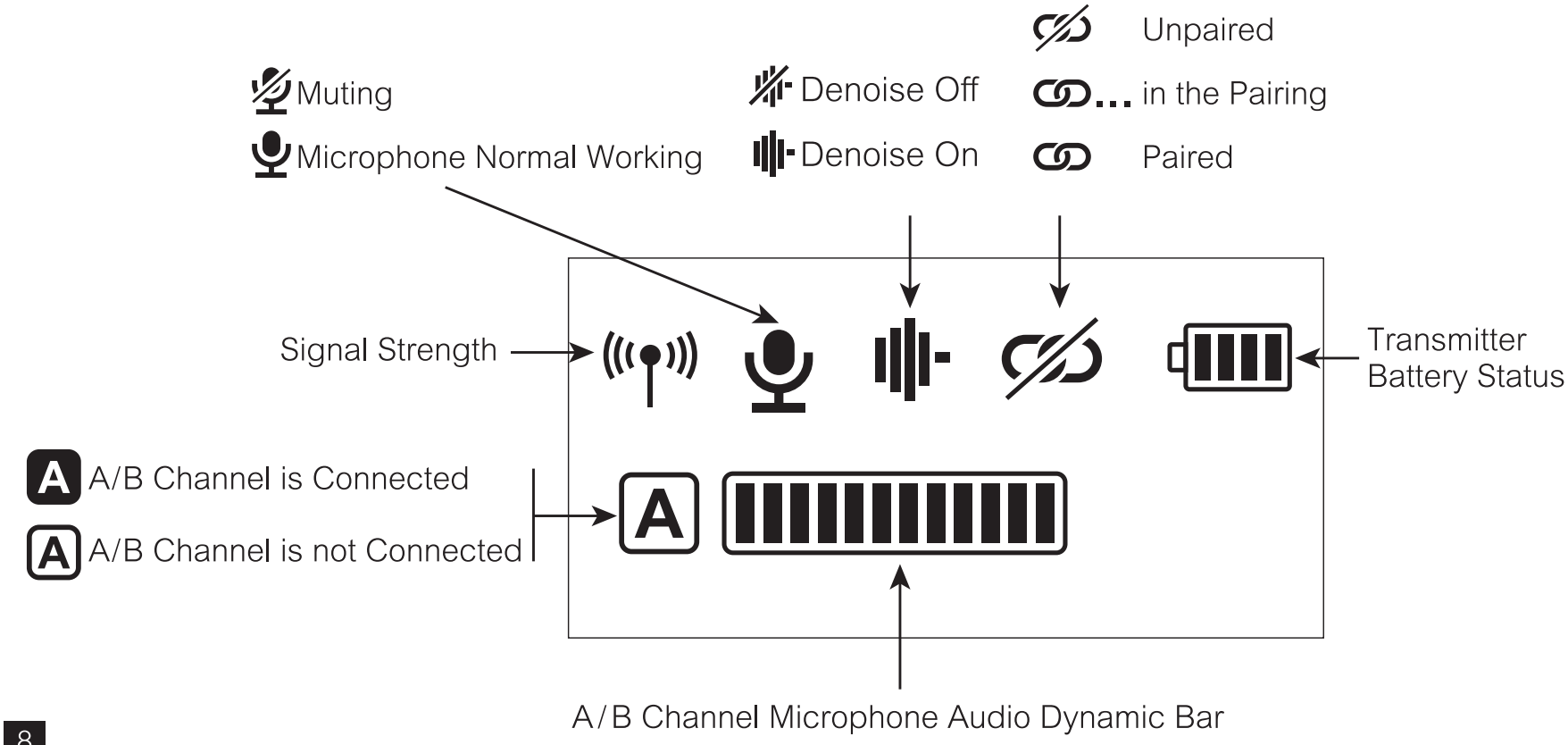
1. Lightning Connector
2. Output Volume Adjustment Button
3. Group A Working Status Indicator
4. Group B Working Status Indicator
5. M/S Adjustment Button
6. 3.5mm TRS/TRRS Monitoring Port



Screen Display and Function

Transmitter (TX)

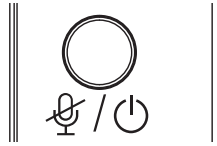
1.Screen Display Instruction:



2.Function Introduction:

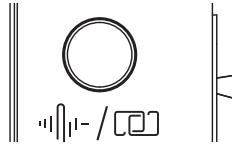
2.1. Power/Muting/Reset Button

Long press for On/Off; When the device is crash or unable to be turned on, long press for ten seconds to reset; Short press for muting switch.



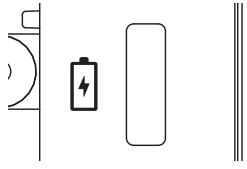
2.2. Pair/Denoise Button

Long press for pairing with receiver; Short press to denoise.



2.3. USB-C Charging Port

Connect the transmitter with the power through the USB A-USB C charging cable to charge.



2.4. 3.5mm TRS Microphone Port

Insert the 3.5mm TRS microphone input cable, and you can use the external lavalier microphone for recording. At this time, the internal microphone of this device is turned off.

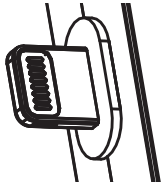
☞ All the function adjustments are only available when the screen is on, and if the screen is dimmed, press any button to light up the screen and then adjust again.

MI Receiver(MI RX)

Function Introduction:

1.Lightning Connector

Insert into the Lightning interface of phone to use.



2. Output Volume Adjustment Button

Short press to cyclically adjust the Volume, and A/B channel is synchronized.

3. M/S Button

Short press for Mono/Stereo switch. Please attention that it can not realize STEREO function when in single-channel mode.

4. A/B Working Status Indicator

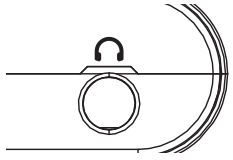
The indicator blinks green when unpaired; When paired, it shows blue in mono mode and green in stereo mode.

A ☐

B ☐

5. 3.5mm TRS/TRRS Monitoring Port

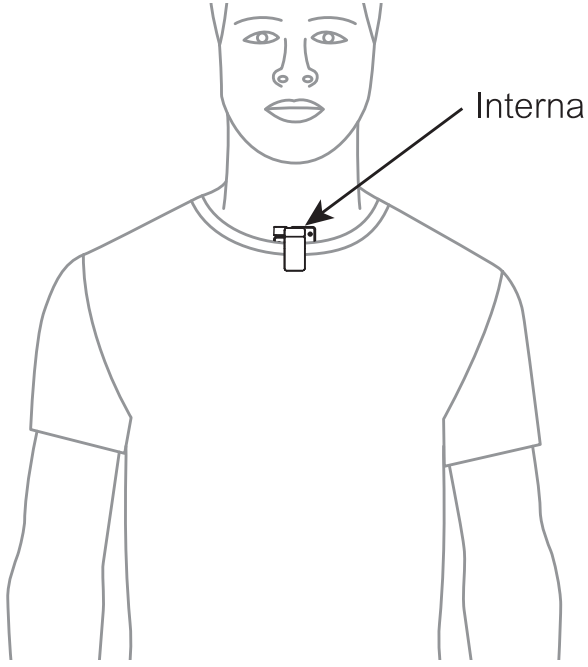
Insert headphone to monitor.

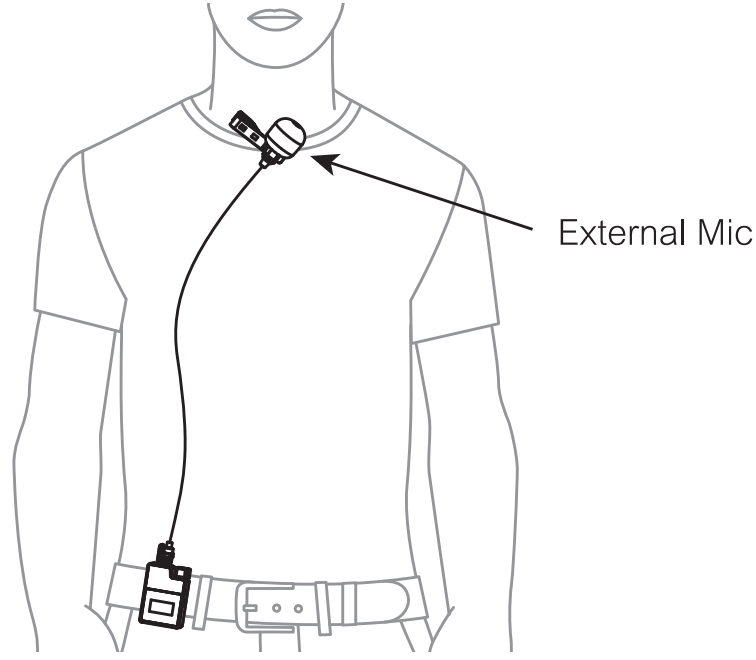


☞ BoomX-D MI do not support Safety mode.

Transmitter(TX)

1. Use the internal/exteral mic according to your need.

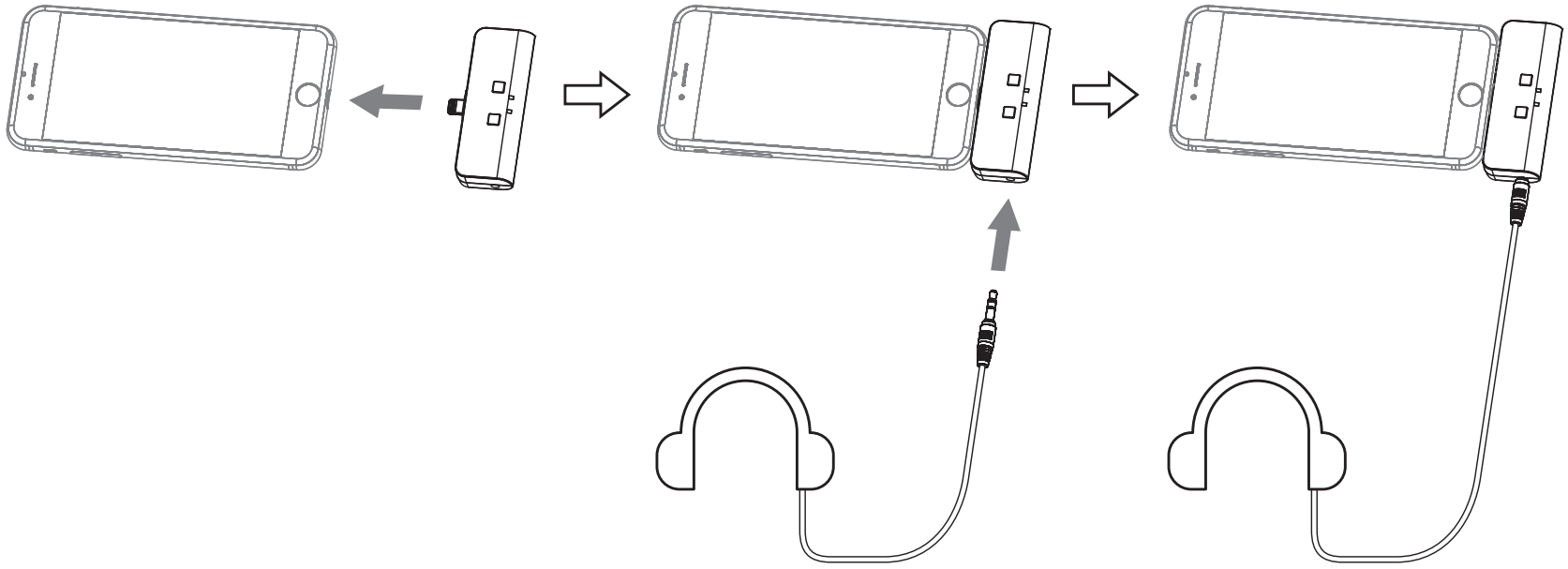




1. For better concealment during use, it is recommended that the belt clip is fixed and used outwards.
2. When using an external microphone, the internal microphone is automatically turned off.

MI Receiver (MI RX)

Insert the MI receiver (MI RX) into the Lightning interface of the phone; Insert the headphone into the 3.5mmTRS/TRRS monitoring port for monitoring.

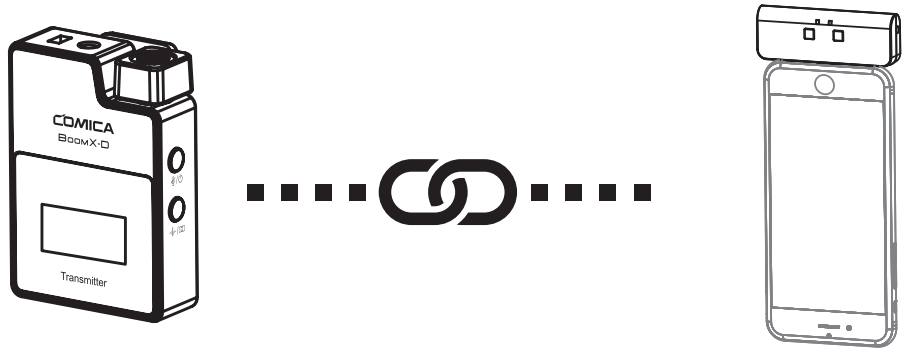


Pairing Method

(All have been paired at the factory. If you need to re-pair, please follow the description)

Connect the receiver with your device to pair, and the indicators blink blue. Long press the pairing button of the transmitter to pair, and the pairing status on screen shows. When paired, the screen shows , and the indicators on RX show blue(Mono mode)/ green(Stereo mode).

The transmitter (TX) is pairing with MI Receiver (MI RX)



Transmitter (TX)

MI Receiver (MI RX)

1.The TX/RX can only enter the pairing state when they are not paired.
2.When a transmitter is not paired, the paired transmitter needs to be turned off first. Refer to the above steps to pair the unpaired transmitter with the receiver. After pairing, turn on the paired transmitter.

Specification

Transmitter (TX)

Wireless Type	2.4GHz
Antenna	Ceramic Antenna
Transmitting Power	+10dBm
Microphone Sensitivity	-32dB±2dB
Polar Pattern	Omnidirectional
Frequency Response	80Hz~20kHz
S/N	70dB SPL(A-weighted,as per IEC651)
Equivalent Noise	24dB SPL(A-weighted,as per IEC651)
Maximum SPL	110dB SPL(@ 1% THD)
Dynamic Range	86dB SPL(A-weighted,as per IEC651)
Sound Delay	<20ms
External Mic Input Port	3.5mm TRS
Battery	Li-ion Battery 330mAh 3.7V
Operating Time	15 Hours
Net Weight	29g
Dimension	39 X22 x 55mm
Working Temperature	0℃~50℃
Storage Temperature	-20℃~+60℃

MI Receiver (MI RX)

Wireless Type	2.4GHz
Antenna	Ceramic Antenna
Transmitting Power	+10dBm
Audio Output Level	1~4 Level(6dB increments per level)
S/N	70dB SPL(A-weighted,as per IEC651)
Equivalent Noise	24dB SPL(A-weighted,as per IEC651)
Dynamic Range	86dB SPL(A-weighted,as per IEC651)
Sound Delay	<20ms
Digital Output Plug	Lightning
Monitor Port	3.5mm TRS/TRRS
Net Weight	15g
Dimension	33X13X70mm
Working Temperature	0℃~50℃
Storage Temperature	-20℃~60℃

Website: comica-audio.com

Facebook: Comica Audio Tech Global

Instagram: Comica Audio

YouTube: Comica Audio

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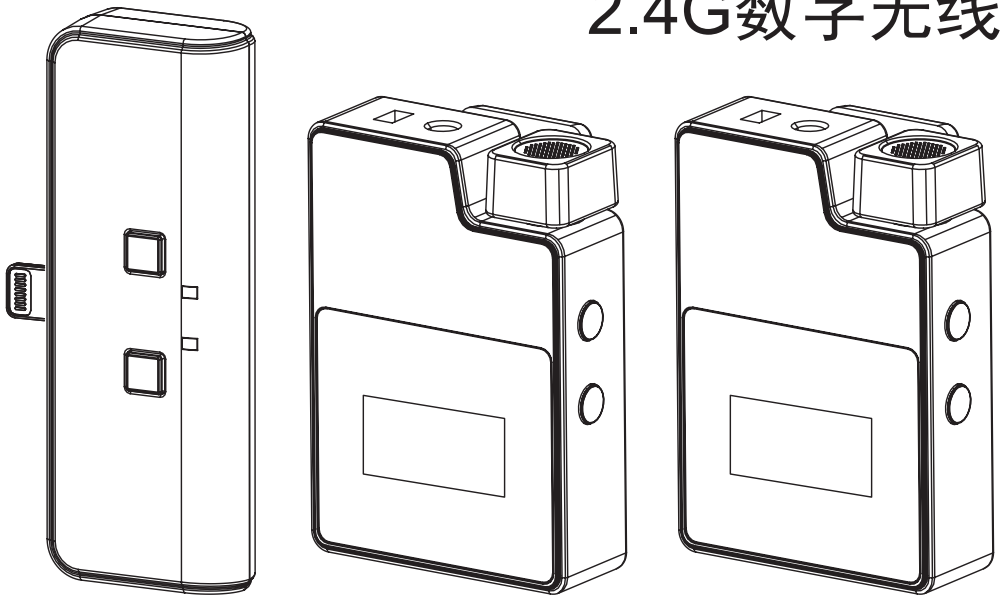
Email: support@comica-audio.com

COMICA 科唛
PROFESSIONAL AUDIO EQUIPMENT

BoomX-D MI

2.4G数字无线双通道麦克风



Made for
iPhone | iPad | iPod

用户使用手册

前 言

感谢您购买COMICA/科唛BoomX-D MI

产品主要功能

. 2.4G双通道无线麦克风，全球通用频段
. 48kHz/16bit录音，超CD级音质
. 数字/模拟双模式输出，广泛兼容相机，手机，电脑
. 支持增益可调，一键静音及降噪
. 可视化电量，音频动态监控等屏显功能
. 支持实时监听，单声道/立体声多模式切换
. 内置和外置MIC两种输入方式
. 低音频延迟<20ms，传输距离稳定高达300米（空旷环境）
. 多功能背夹设计，小巧精悍

注意事项

⚠ 由于2.4G无线特性，使用时尽量保持面对面，避免背对的情况，否则容易产生断点，属正常现象

⚠ 使用时避免任何物体遮挡天线位置，以免信号不良

⚠ 发射器和接收器未连接时，发射器无法显示音频动态条

⚠ 单通道模式下，立体声(STEREO) 功能不可实现

⚠ 搭配iOS系统设备使用回放监听功能时，如耳机音量在监听前被调至最大，由于iOS系统的保护机制，会导致监听无输出，此时重新调整耳机音量大小即可。 (建议耳机音量不要调至最大)

⚠ 本产品属于高精密仪器类产品，请避免使用时掉落、碰撞或重击

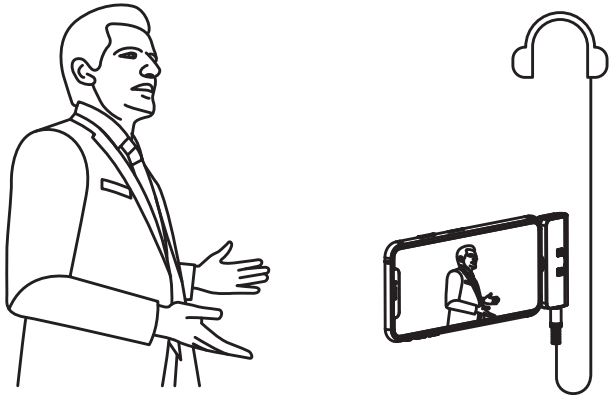
⚠ 请勿将本设备放置在热源或干扰源附近使用，如散热器、烤箱或其它无线设备旁边

⚠ 如拾音距离较近或于户外使用时，请套上麦克风防风毛，防止声音爆裂或降低风噪

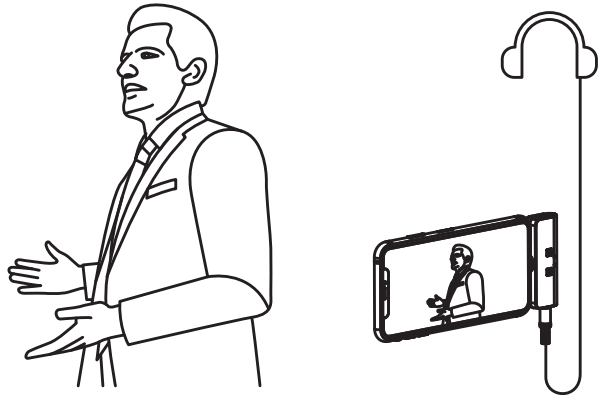
⚠ 不要在雨中或潮湿的环境中使用该设备，否则会有短路的危险

⚠ 请在干燥环境中对该产品进行保存

尽量保持面对面，避免背对的情况，否则容易产生断点

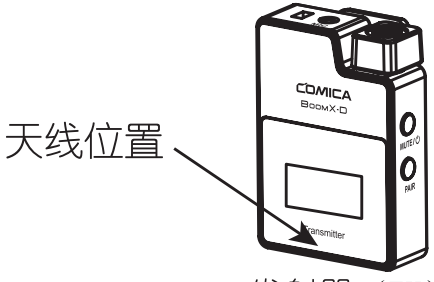


面对面（正确）

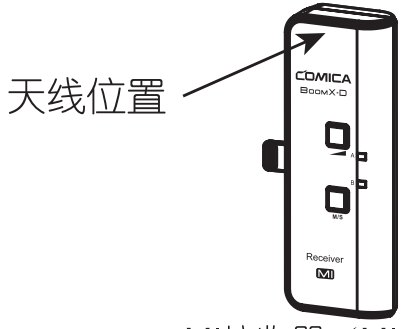


背对（错误）

使用时避免任何物体遮挡天线位置，以免信号不良



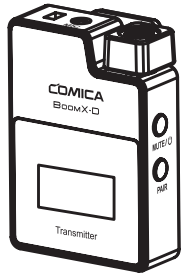
发射器（TX）



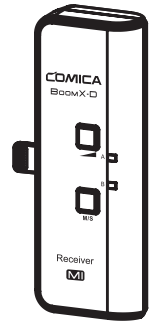
MI接收器（MI RX）

包装清单

主体：

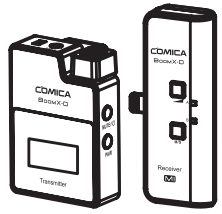


发射器（TX）

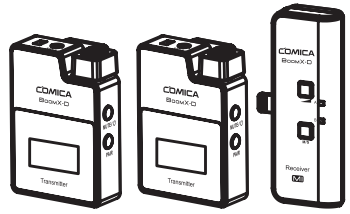


MI接收器（MI RX）

搭配选择：



MI1 = TX + MI RX



MI2 = TX + TX + MI RX

配件:

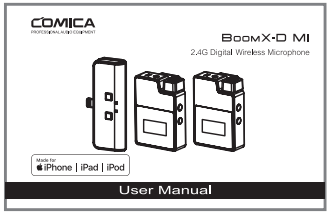
① 3.5mm 麦克风输入线
② 防风毛
③ 充电线
④ 三合一充电/输出线(其中橙色线具备
充电和数据传输功能，另外两条黑色线
只具备充电功能)
⑤ 说明书
⑥ 保修卡

①

②

③

④



⑤

⑥

每一个型号的配件包括:

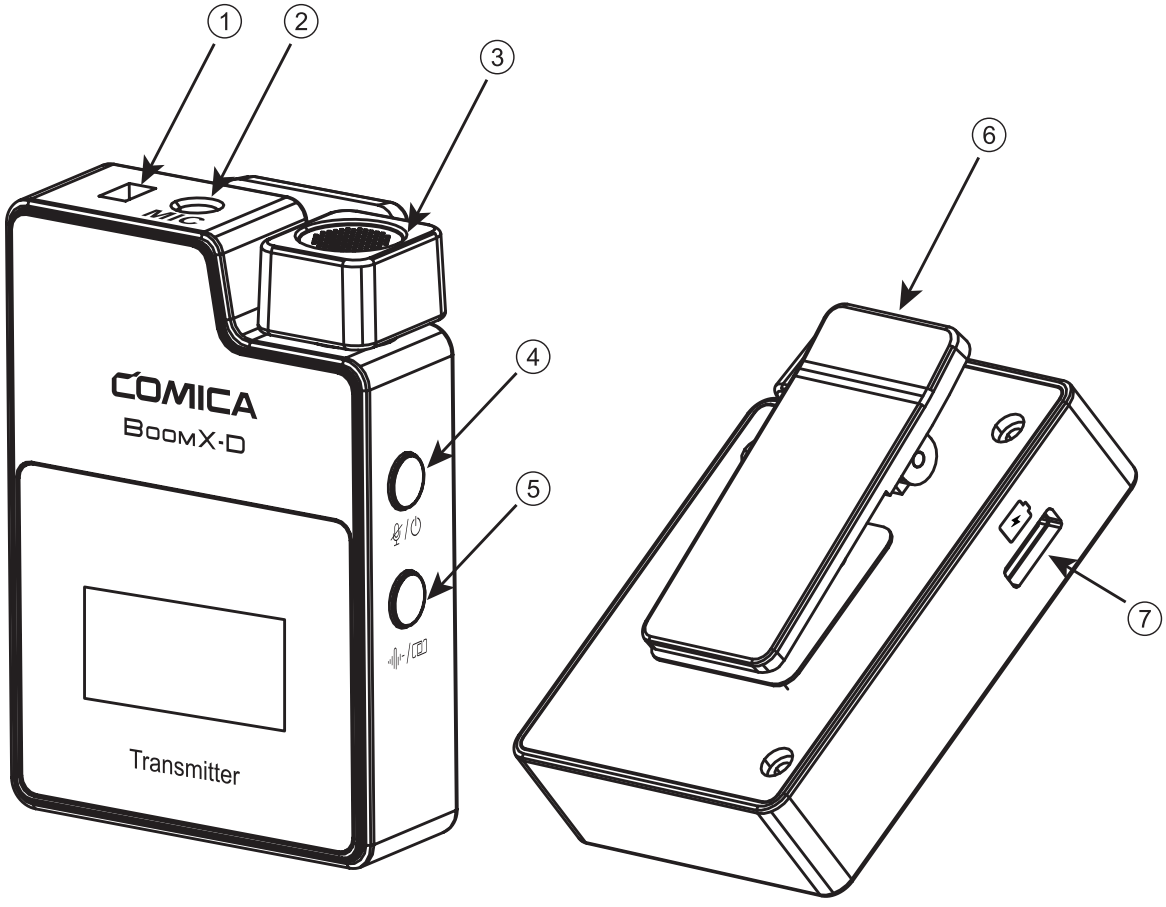
MI1= ①+②+③+⑤+⑥

MI2= ①x2+②x2+④+⑤+⑥

部件介绍及说明

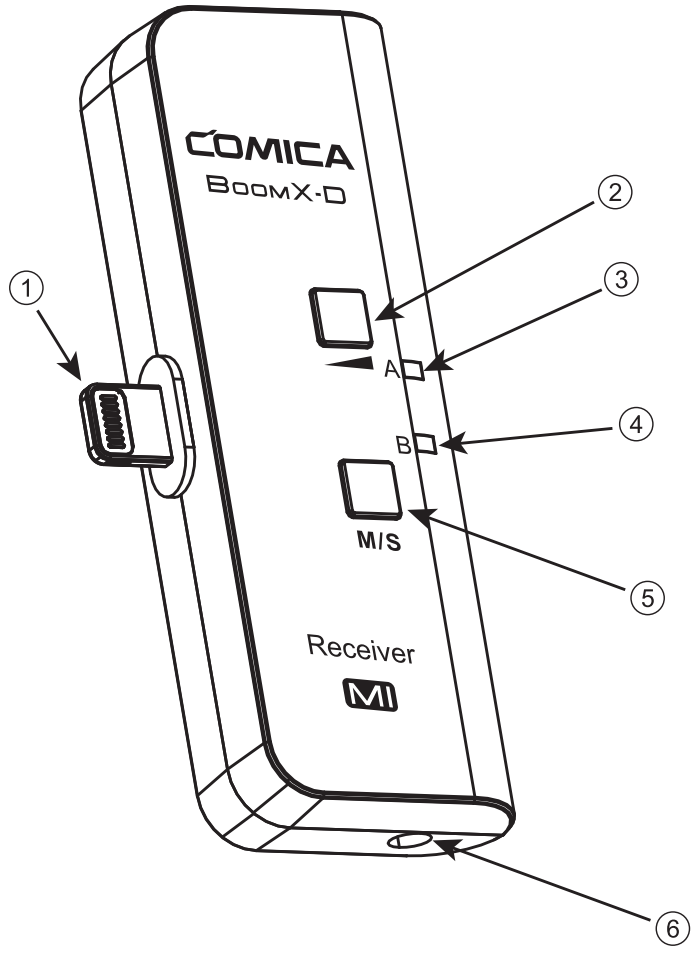
发射器（TX）

1. 外置麦克风插头卡扣
2. 3.5mm TRS外置麦克风插孔
3. 内置麦克风
4. 电源/静音/复位按键
5. 配对/降噪按键
6. 背夹
7. USB-C充电插口



MI接收器(MI RX)

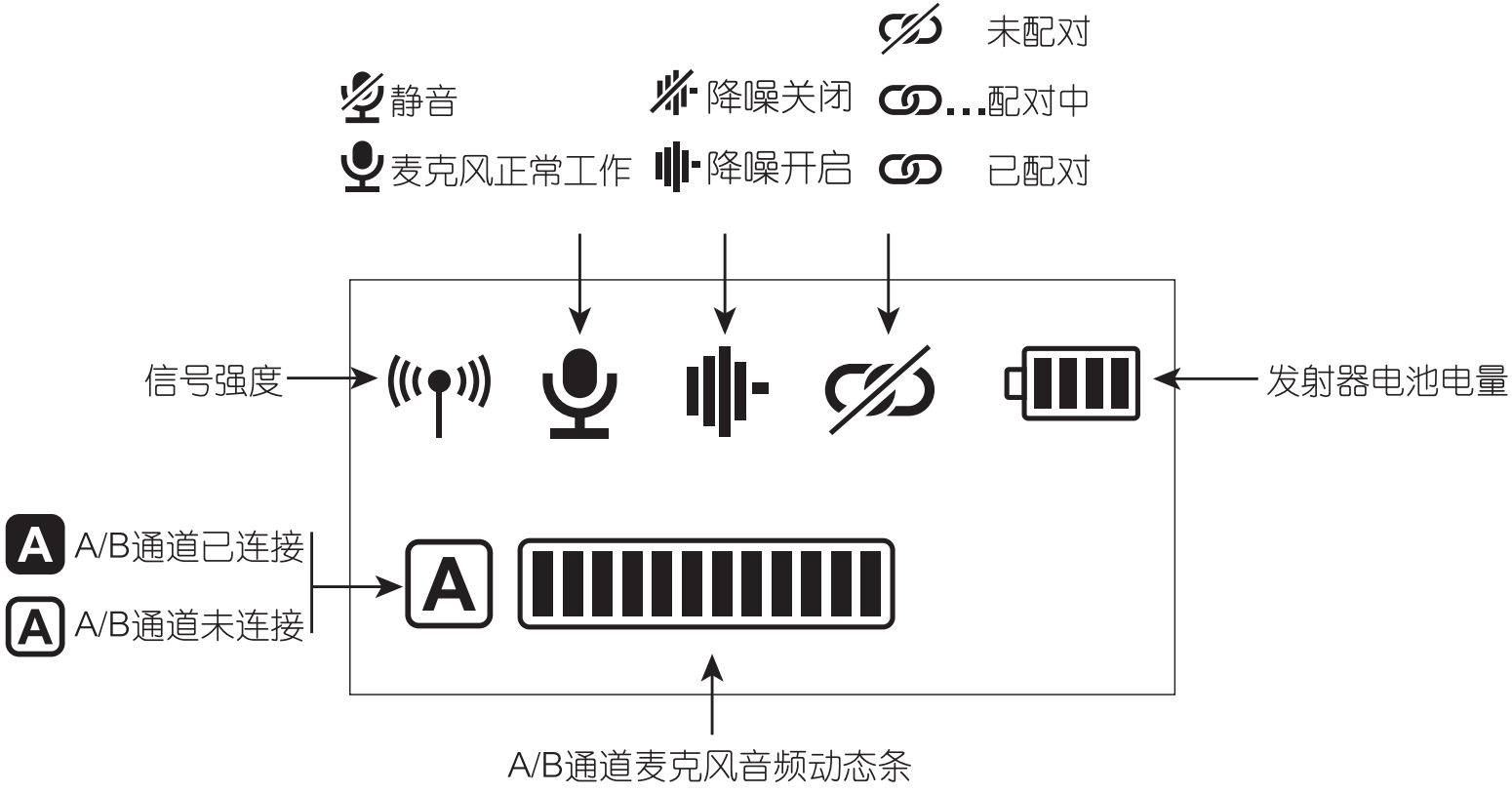
1.Lightning接头
2.输出音量调节按钮
3.A通道工作状态指示灯
4.B通道工作状态指示灯
5.单声道和立体声切换按钮
6.3.5mm TRS/TRRS耳机监听插孔



屏显与功能介绍

发射器（TX）

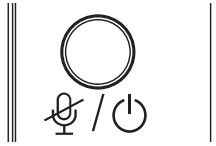
1.屏幕显示:



2.功能介绍:

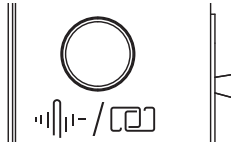
2.1. 电源/静音/复位按键

长按开机/关机；如遇死机或无法开机等异常现象，长按十秒复位；短按进行静音切换



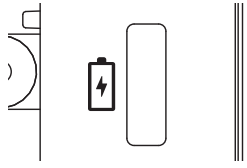
2.2. 配对/降噪按键

长按与接收器进行配对，短按降噪



2.3. USB-C充电插口

通过USB A-USB C充电线连接发射器与电源进行充电



2.4. 3.5mm TRS麦克风插孔

插入3.5mm TRS麦克风输入线，即可使用外置领夹麦克风进行录音，此时本机的内置麦克风被关闭

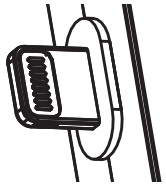
☞功能按键在屏幕亮显时才可用，若屏幕暗显，请先按任意按键点亮屏幕后再进行相关操作

MI接收器（MI RX）

功能介绍:

1. Lightning插头

插入手机Lightning插口即可使用



2. 输出音量调节按钮

短按可循环调节输出音量，A/B通道同步调节

3. 单声道和立体声切换按钮

短按可单声道和立体声切换。单通道模式下，立体声（STEREO）功能不可实现

4. A/B通道状态指示灯

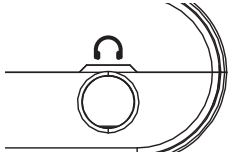
未配对时绿灯闪烁，配对成功后单声道蓝灯长亮，立体声绿灯长亮

A □

B □

5. 3.5mm TRS/TRRS耳机监听插孔

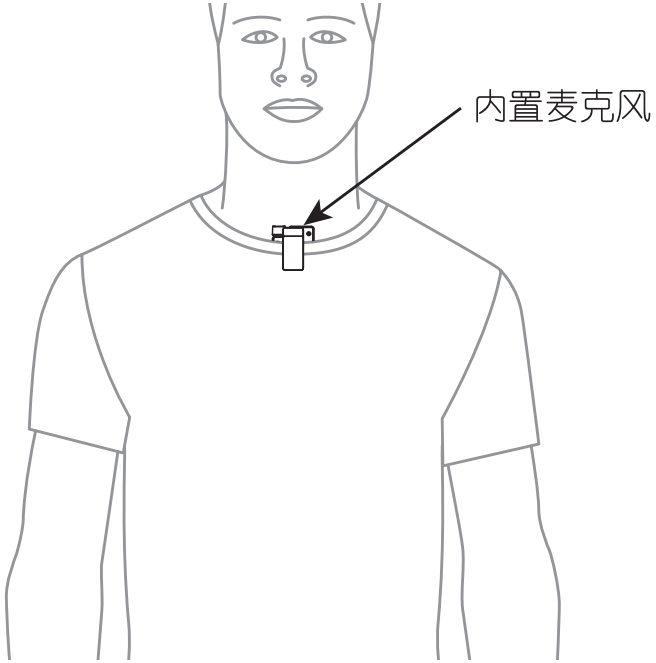
插入3.5mm TRS/TRRS耳机即可监听



☞ MI版本不支持安全音轨模式

发射器（TX）

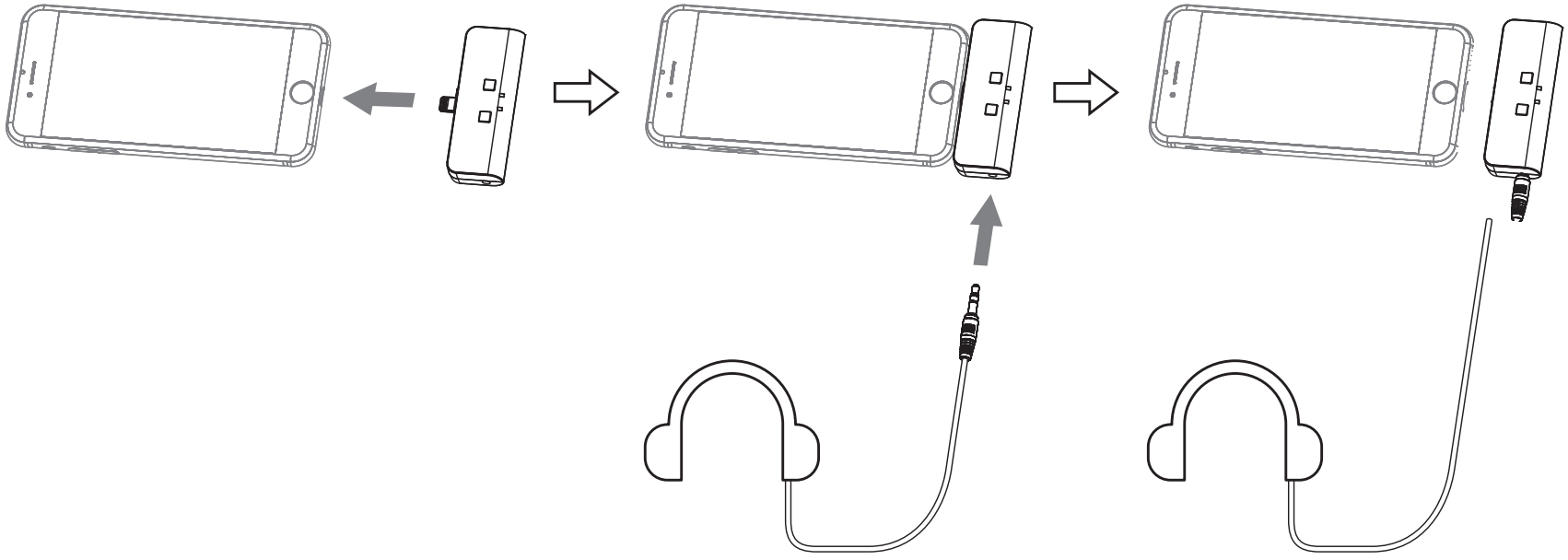
1.根据个人需求选择使用内置/外置麦克风



☞ 1.在使用内置麦克风时，为了更好的隐蔽性，建议将背夹朝外固定使用
2.当使用外置麦克风时，内置麦克风会自动关闭

MI接收器 (MI RX)

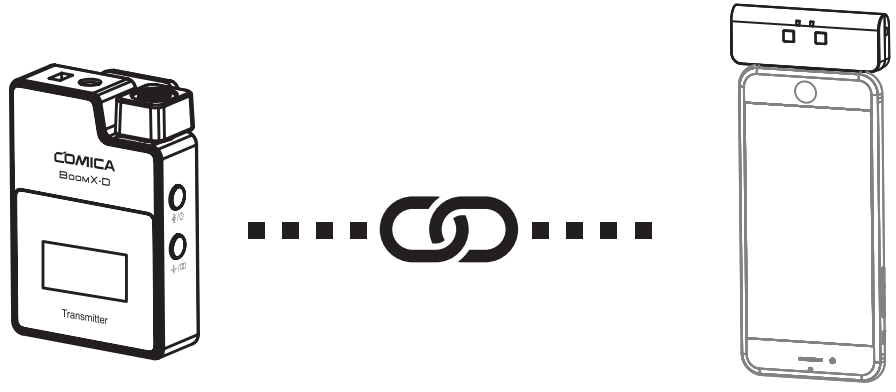
把MI接收器(MI RX)插入手机的Lightning接口;把耳机插入3.5mm TRS/TRRS耳机监听插孔进行监听



配对方法（出厂时均已配对，如需重新配对时可按如下描述操作）

将接收器连接至设备，接收器蓝灯闪烁，自动进入配对状态，长按发射器配对按键进入配对状态，发射器屏幕显示 ⛓.. ，配对成功后发射器屏幕显示⛓，接收器指示灯长亮

一个发射器（TX）与MI接收器（MI RX）配对



发射器（TX）　　MI接收器（MI RX）

☞ 1.发射器/接收器未配对时才能进入配对状态
2.当有发射器未配对时，需将已配对的发射器先行关机，参考上述步骤将未配对的发射器与接收器配对，配对完成后再开启已配对的发射器使用

技术规格

发射器（TX）

无线类型	2.4GHz
天线	陶瓷天线
发射功率	+10dBm
麦克风灵敏度	-32dB±2dB
麦克风指向性	全指向
麦克风频率响应	80Hz ~ 20kHz
系统信噪比	70dB SPL(A-weighted,as per IEC651)
系统等效噪声	24dB SPL(A-weighted,as per IEC651)
最大声压级	110dB SPL(@ 1% THD)
动态范围	86dB SPL(A-weighted,as per IEC651)
声音延迟	<20ms
外置输入接口	3.5mm TRS
电池	锂聚合物 330mAh 3.7V
续航时间	15小时
净重	29g
尺寸	39 x 22 x 55mm
工作温度	0℃ ~ 50℃
存储温度	-20℃ ~ +60℃

MI接收器（MI RX）

无线类型	2.4GHz
天线	陶瓷天线
发射功率	+10dBm
音频输出挡位	1 ~ 4挡，挡位步进6dB
系统信噪比	70dB SPL(A-weighted,as per IEC651)
系统等效噪声	24dB SPL(A-weighted,as per IEC651)
系统动态范围	86dB SPL(A-weighted,as per IEC651)
声音延迟	<20ms
数字接口	Lightning
监听接口	3.5mm TRS/TRRS
净重	15g
尺寸	33 x 13 x 70mm
工作温度	0℃ ~ 50℃
存储温度	-20℃ ~ 60℃

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