COMICA

PROFESSIONAL AUDIO EQUIPMENT

BoomX-D

2.4G Digital 1-Trigger-2 Wireless Microphone



User Manual

Foreword

Thanks for purchasing COMICA BoomX-D 2.4G Digital 1-Trigger-2 Wireless Microphone.
To ensure bring you a good using experience, please read this manual book carefully before using and correctly install and operate.

Main Features

. 2.4G Digital Wireless, Global Free Frequency
. Dual Transmitters Triggered by One Receiver
. Visual Power, Audio Dynamic Monitor and Other Display Functions
. Internal and External MIC Two Input Modes
. Mono/Stereo Switchable Output Modes
. Real-time Audio Monitor
. Broadcasting Quality Audio
. RF Technology, Auto Freq. Adjustment, Stable Transmission
. Low Latency < 20ms
. Working Range Up to 50m
. 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 the receiver, otherwise it is easy to generate breakpoints, which is a normal phenomenon

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

⚠ Please attention that it can not realize STEREO function when in one-trigger-one mode

⚠ 3.5mm TRS-TRS Audio Cable is suitable for Canon, Nikon and other cameras with low sensitivity
3.5mm TRS-TRS Audio Output Cable with Impedance is suitable for Sony, Panasonic, Fujifilm and other cameras with high sensitivity(3.5mm TRS-TRS Audio Output Cable with Impedance is recommended to be used if there is sound explosive in recording)

⚠ When using on mobile phone, please turn off WIFI and Bluetooth to avoid 2.4G wireless interference

⚠ 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, smartphone or next to the WIFI AP

⚠ 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

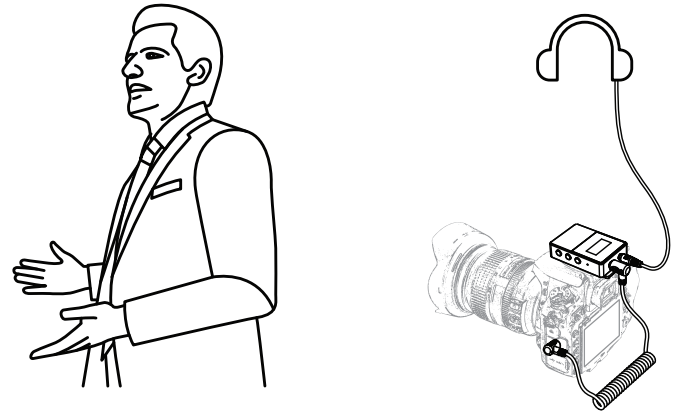
⚠ Do not use the equipment in rain or in a damp environment to avoid short-circuit danger

⚠ 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.

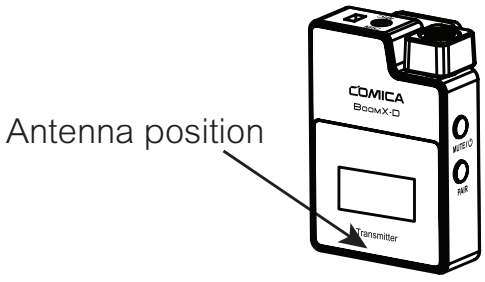


Face to receiver (correct)

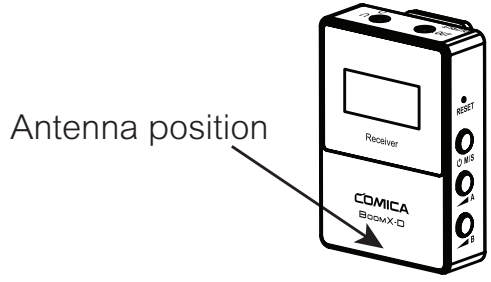


Back to receiver (incorrect)

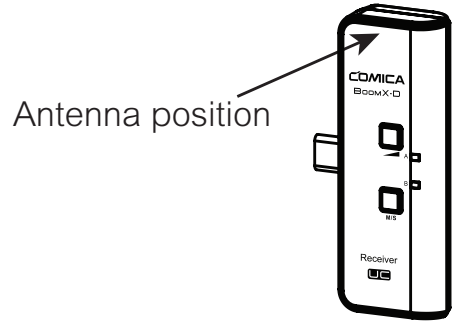
Don't block the antenna position to avoid any poor signal generated.



Transmitter(TX)



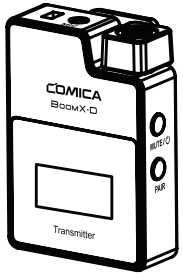
Receiver (RX)



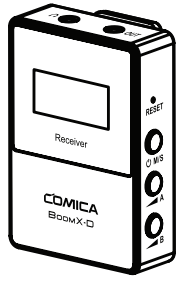
UC Receiver (UC RX)

Packing List

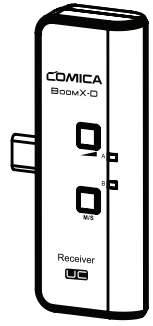
Main Parts:



Transmitter(TX)

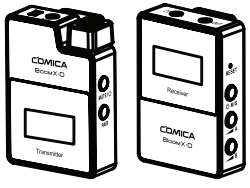


Receiver (RX)

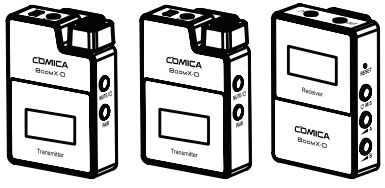


UC Receiver (UC RX)

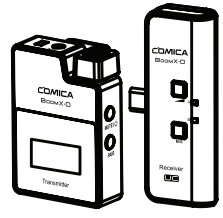
Multiple Selections:



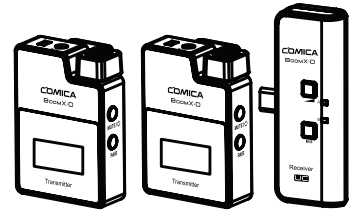
D1 = TX + RX



D2 = TX + TX + RX



UC1 = TX + UC RX



UC2 = TX + TX + UC RX

Accessories:

① 3.5mm Mic Audio Input Cable
② Wind Muff
③ 3.5mm TRS-TRRS Audio Cable (For Smartphone)
④ 3.5mm TRS-TRS Audio Output Cable (For Canon, Nikon, etc.)
⑤ 3.5mm TRS-TRS Audio Output Cable with Impedance(For Sony, Panasonic, Fujifilm, etc.)
⑥ USB A-USB C Charging Cable
⑦ Reset Pin
⑧ User Manual
⑨ Warranty Card



① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

The accessories of each combination include:

D1= ① + ② + ③ + ④ + ⑤ + ⑥ + ⑦ + ⑧ + ⑨

D2= ①x2 + ②x2 + ③ + ④ + ⑤ + ⑥ + ⑦ + ⑧ + ⑨

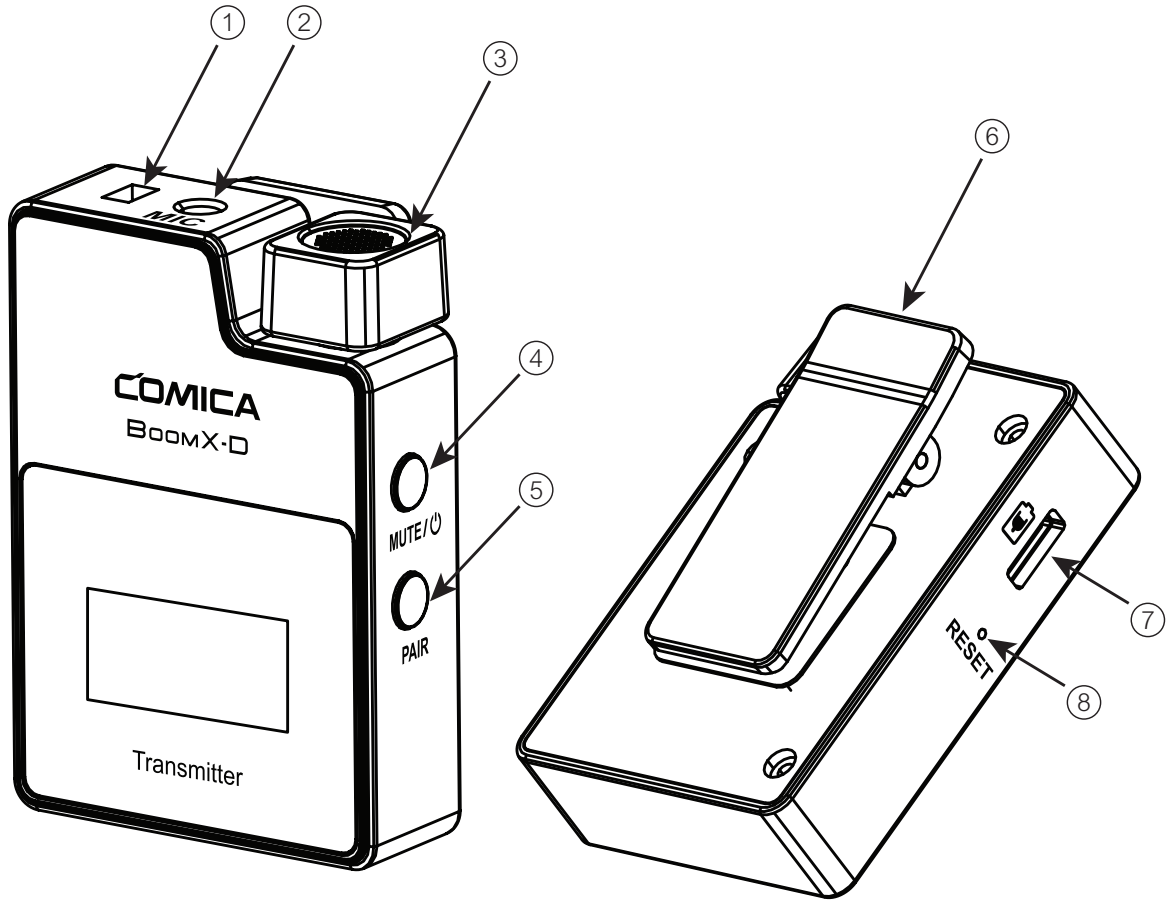
UC1= ① + ② + ⑥ + ⑦ + ⑧ + ⑨

UC2= ①x2 + ②x2 + ⑥ + ⑦ + ⑧ + ⑨

Components and Instruction

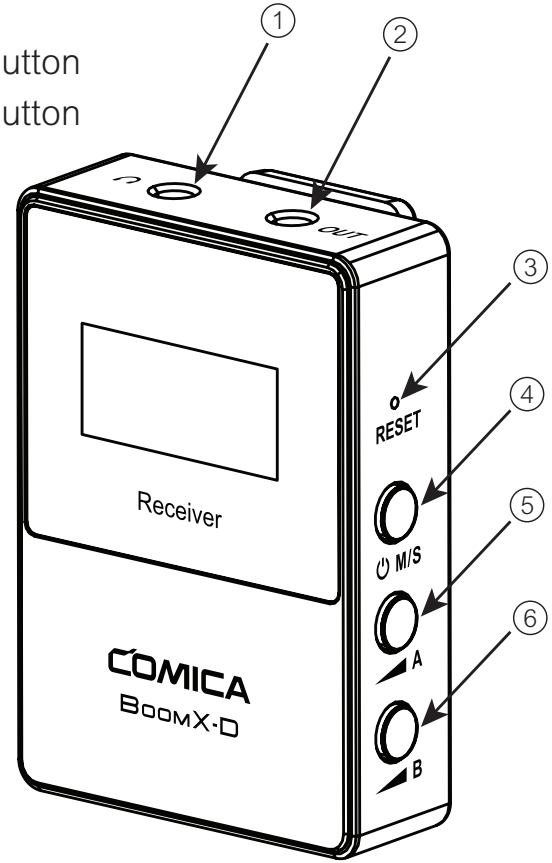
Transmitter (TX)

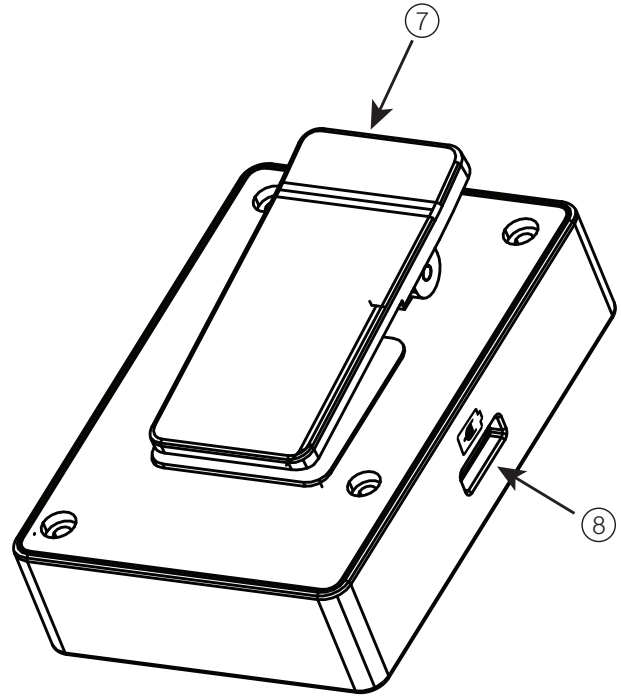
1. External Mic Locking Buckle
2. 3.5mm TRS Port of External Mic
3. Internal Mic
4. Power/Muting Button
5. Pair Button
6. Belt Clip
7. USB-C Charging Port
8. Reset Hole



Receiver (RX)

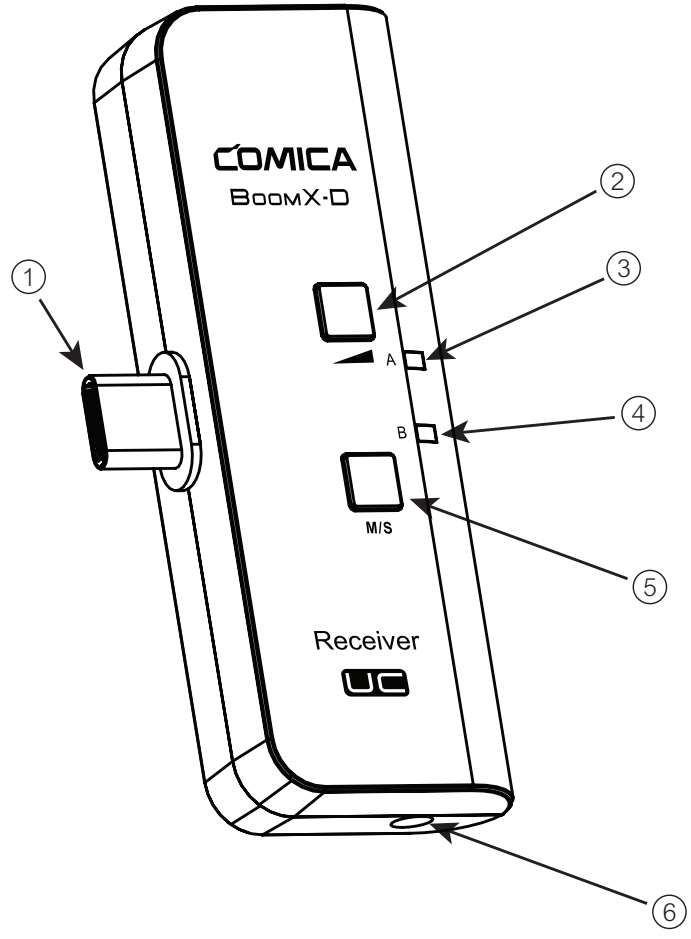
1. 3.5mm TRS/TRRS Monitoring Port
2. 3.5mm TRS Audio Output Port
3. Reset Hole
4. Power and M/S Button
5. A Channel Output Gain Control Button
6. B Channel Output Gain Control Button
7. Belt Clip
8. USB-C Charging Port





UC Receiver (UC RX)

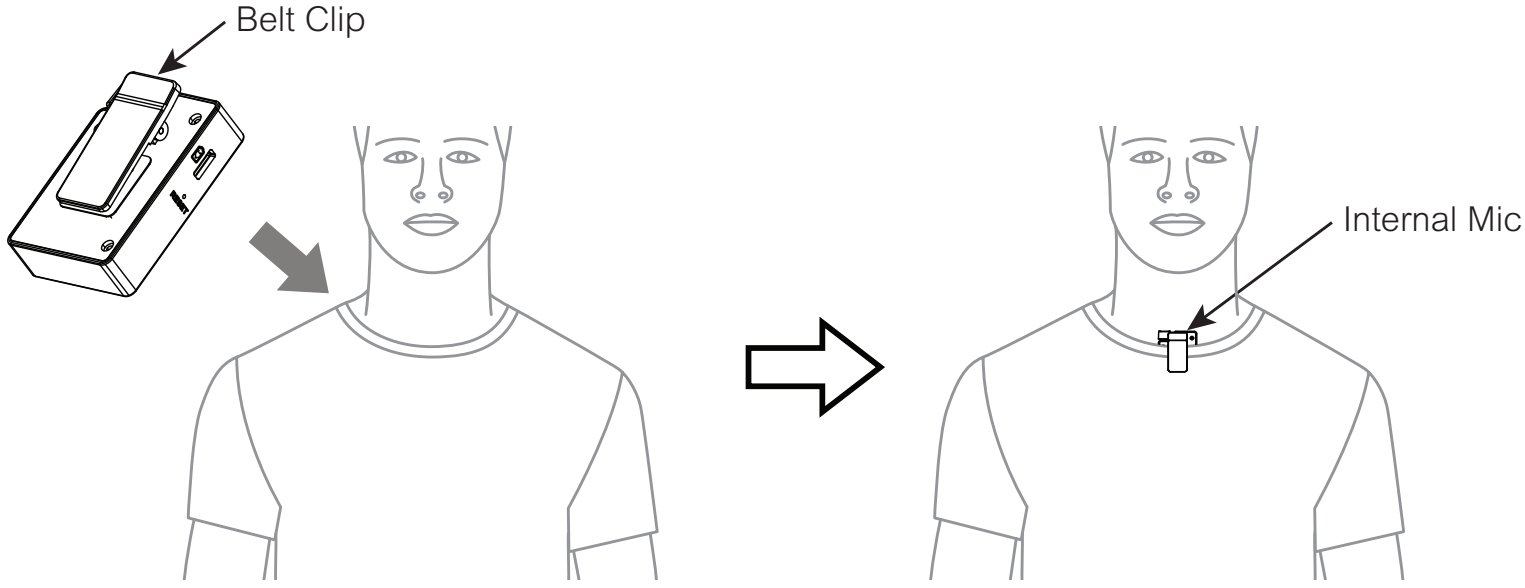
1. USB-C Connector
2. Output Volume Adjustment Button
3. Group A Working Status Indicator
4. Group B Working Status Indicator
5. M/S Adjustment Button
6. 3.5mm TRS/TRRS Monitoring Port



Transmitter (TX)

1.Use internal microphone :

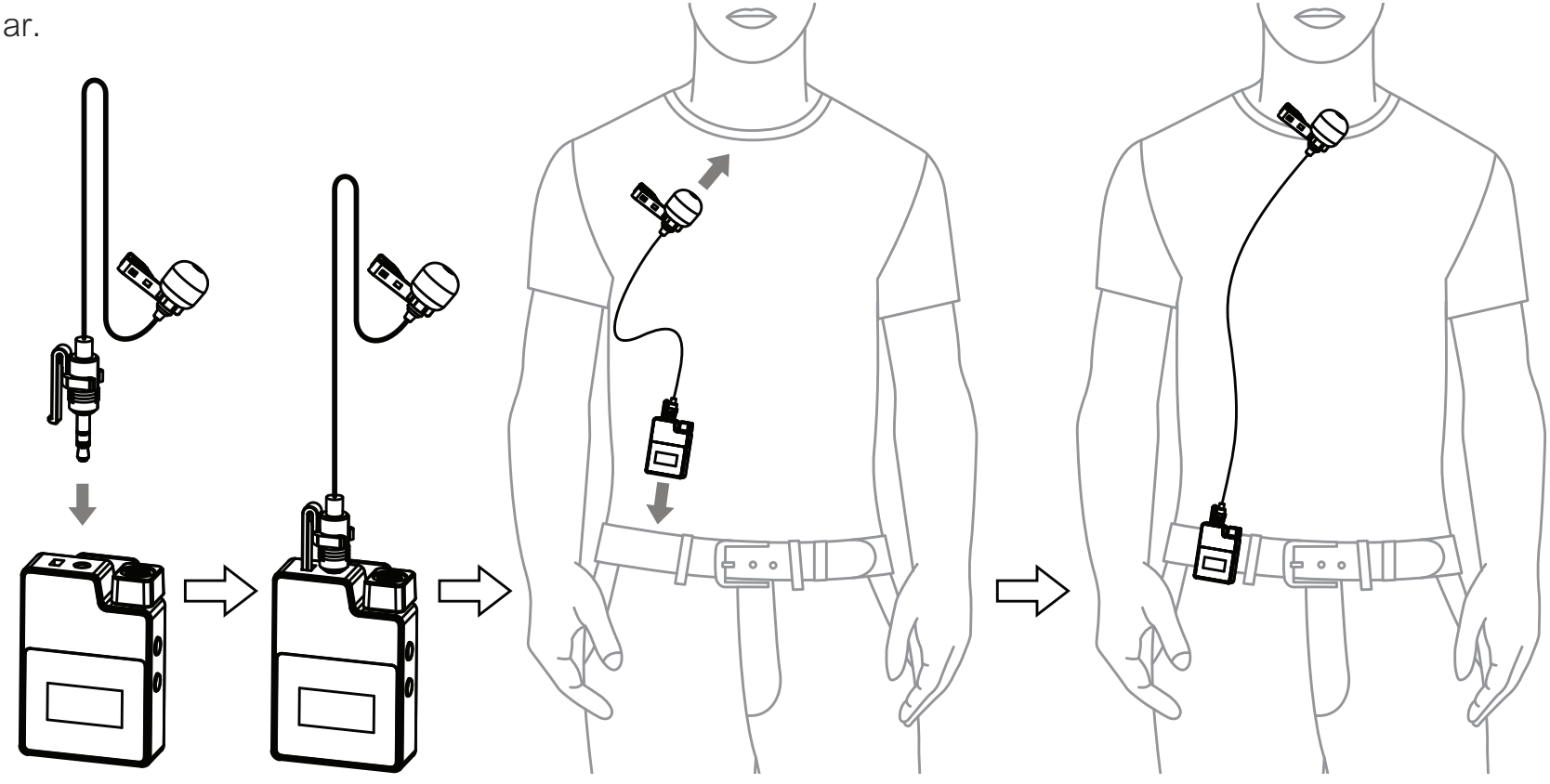
Install the transmitter on the collar through the belt clip so that the internal microphone points in the direction of the sound source.



☞ For better concealment during use, it is recommended that the belt clip be fixed and used outwards.

2.Use external microphone:

Insert the 3.5mm TRS microphone input cable into the transmitter's 3.5mm TRS external microphone port and tighten it, then clip the transmitter to the belt through the belt clip and clip the lavalier microphone to your collar.

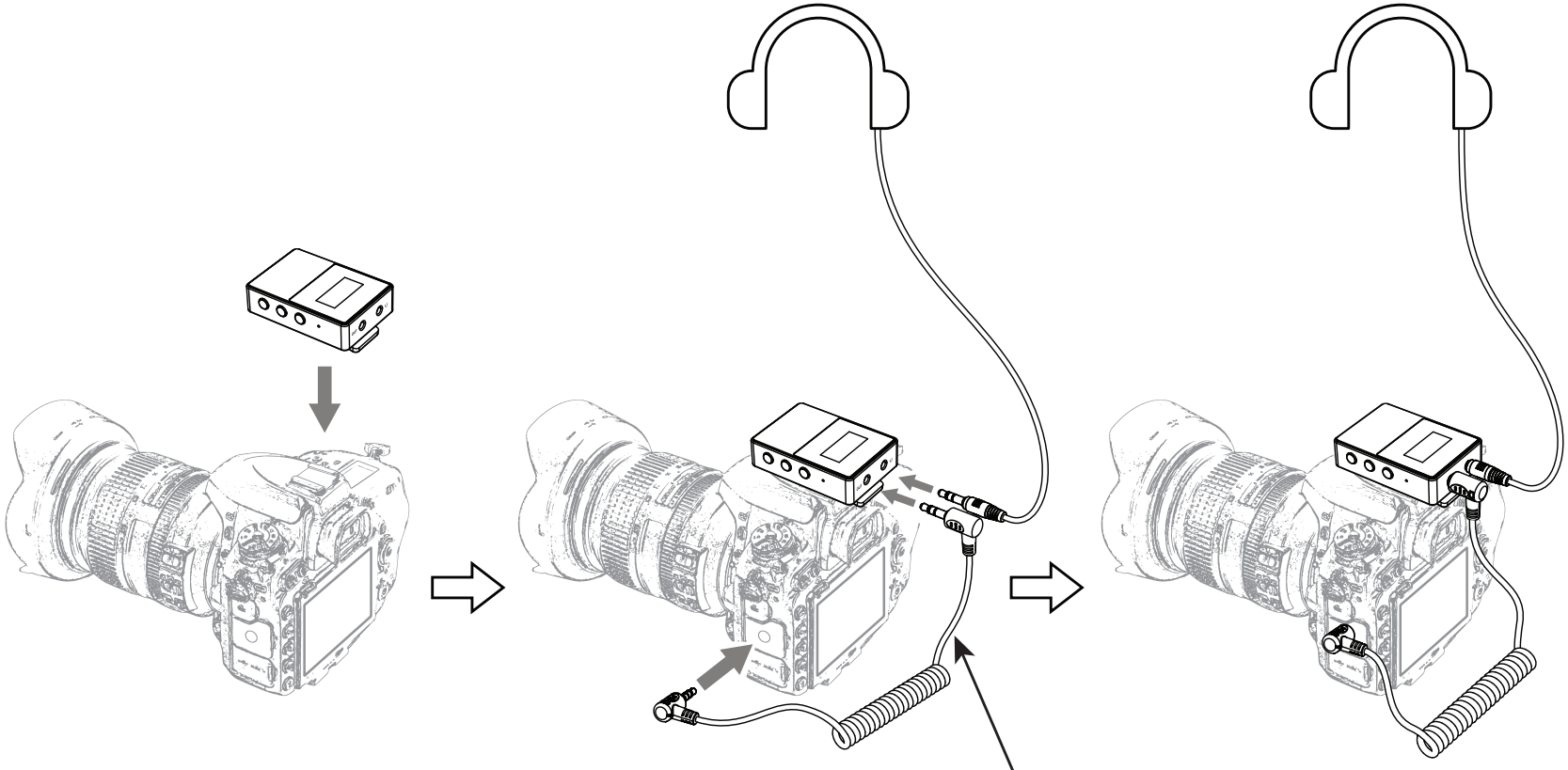


☞ When using an external microphone, the internal microphone is automatically turned off.

Receiver (RX)

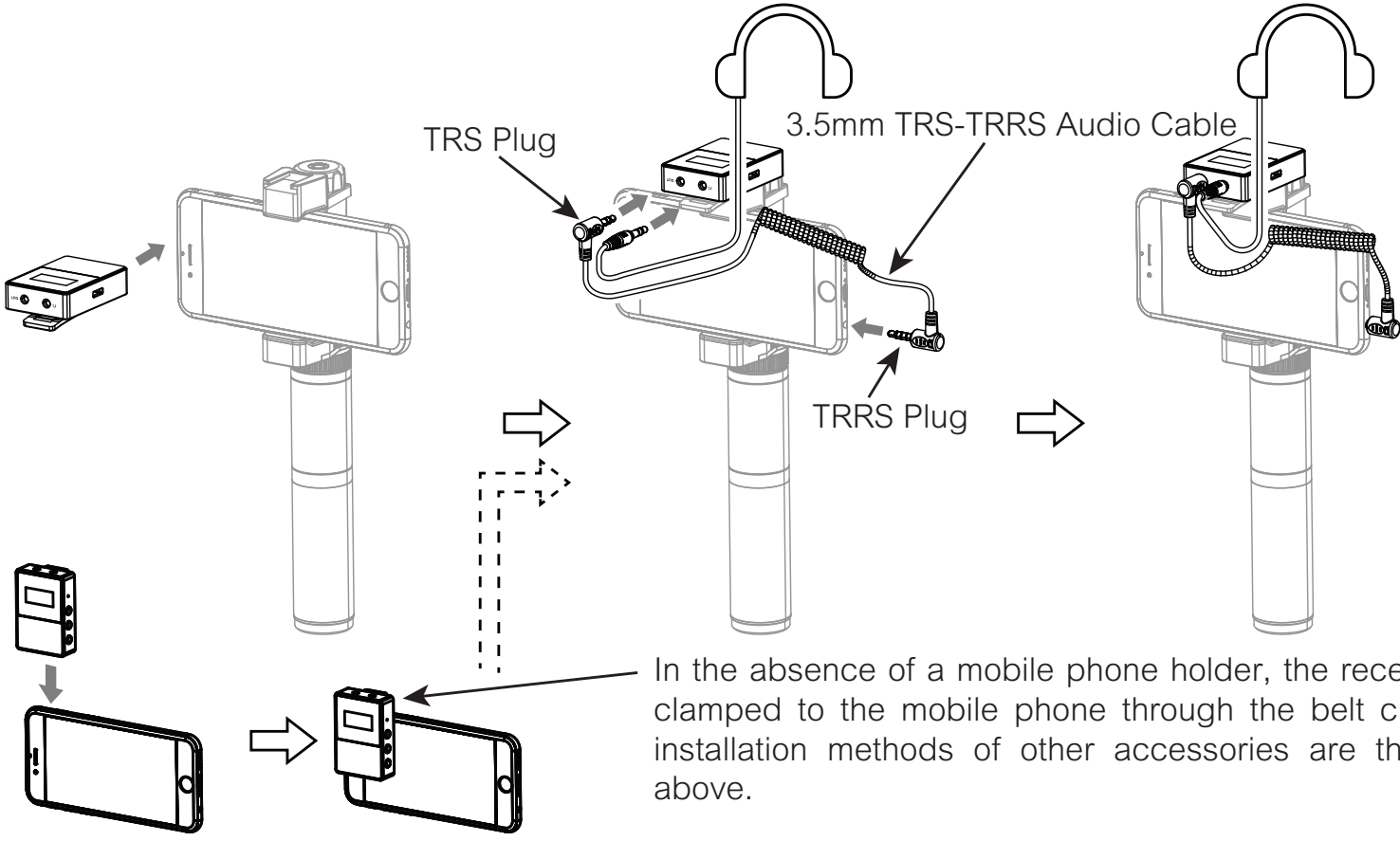
1.Work with Camera:

Fix the receiver through the belt clip to the camera's hot shoe mount, then connect the receiver with camera through the 3.5mm TRS-TRS audio cable; Insert the headphone into the monitoring port for monitoring.



2.Work with Smartphone:

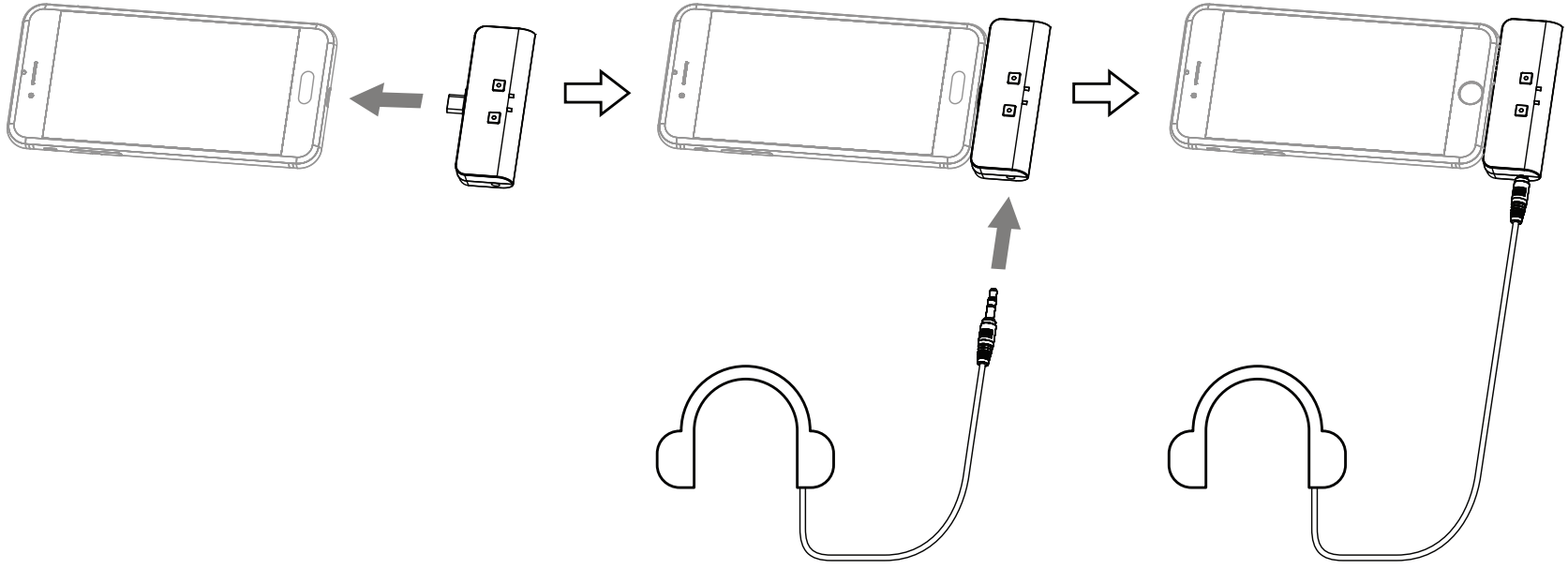
Clip the receiver to the cold shoe mount through the belt clip; Connect the receiver with the mobile phone through the 3.5mm TRS-TRRS audio cable and pay attention to the access to the audio output jack of the receiver is the 3.5mm TRS plug, and the access to the mobile phone is the 3.5mm TRRS plug; Insert the headphone to the 3.5 mm TRS/TRRS monitoring port for monitoring.



In the absence of a mobile phone holder, the receiver can be clamped to the mobile phone through the belt clip, and the installation methods of other accessories are the same as above.

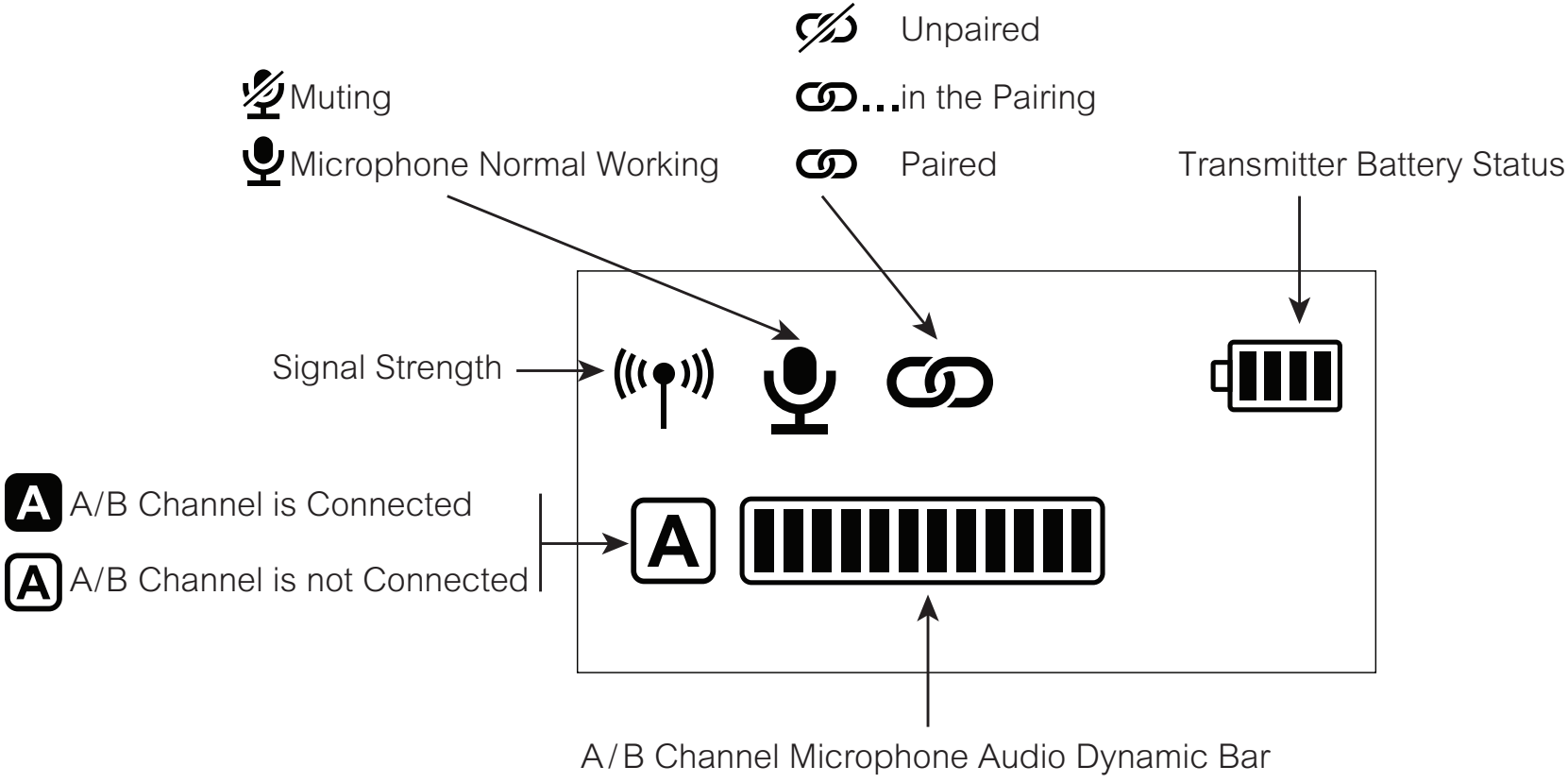
UC Receiver (UC RX)

Insert the UC receiver (UC RX) into the USB-C port of the phone; Insert the headphone into the 3.5mm TRS/TRRS monitoring port for monitoring.



Transmitter (TX)

1.Screen Display Instruction:



2.Function Introduction:

2.1. Power/Muting Button

Long press for On/Off; Short press for muting switch(Muting switch is available only when the screen is on, if the screen is dimmed, press any button to light up the screen then switch the mute).



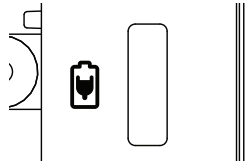
2.2. Pair Button

Long press for pairing with receiver (Pairing switch is available only when the screen is on, if the screen is dimmed, press any button to light up the screen then pairing).



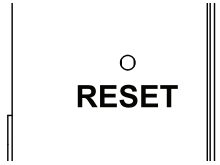
2.3. USB-C Charging Port

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



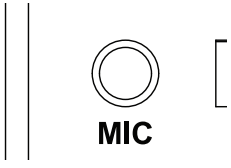
2.4. Reset Hole

If there is an abnormal phenomenon such as the device is crash or unable to turn on it, then insert the reset pin into the reset hole to reset it.



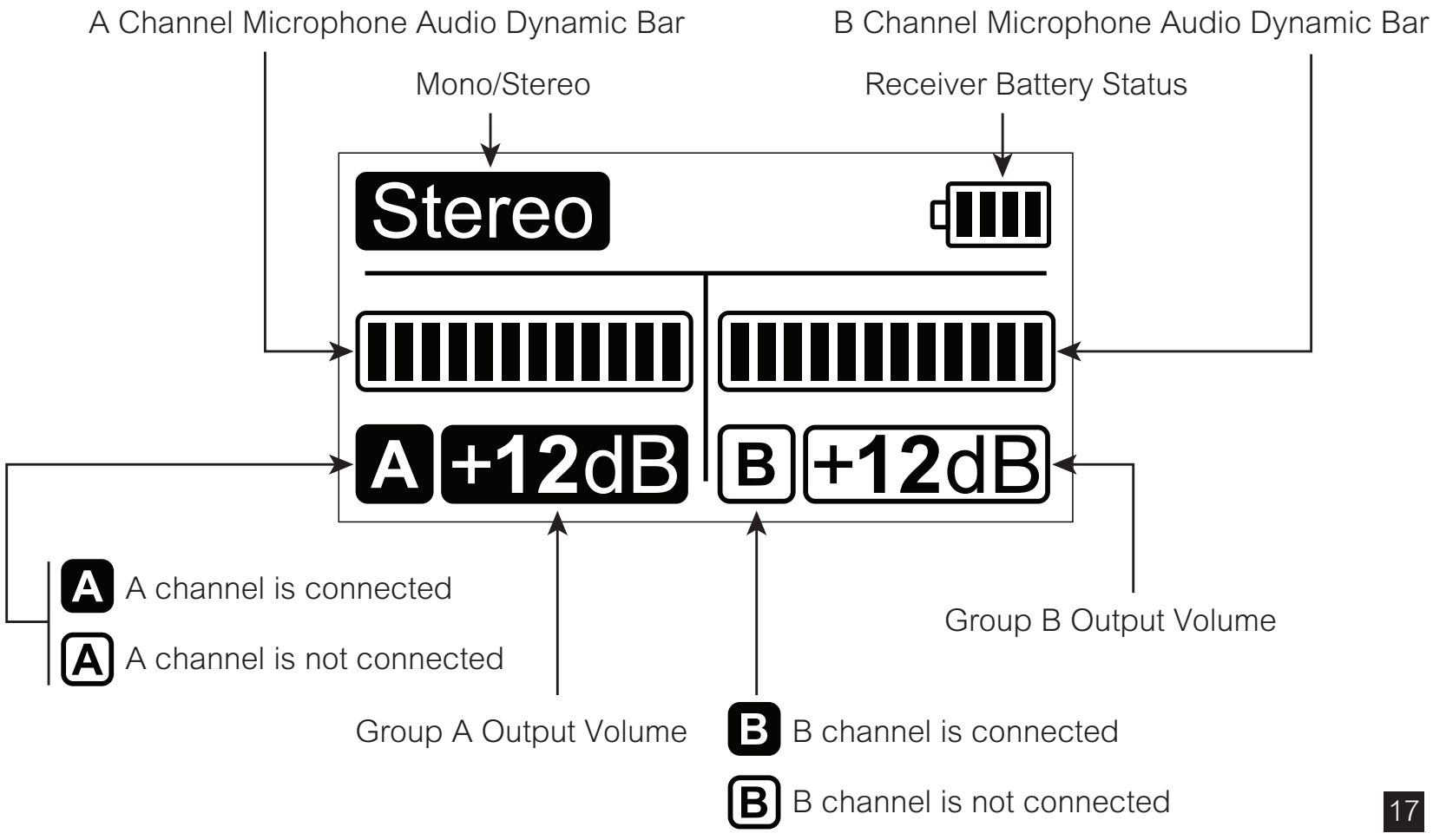
2.5. 3.5mm TRS Microphone Port

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.



Receiver (RX)

1.Screen Display Instruction:



2.Function Introduction:

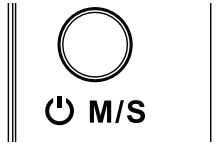
2.1. Reset Hole

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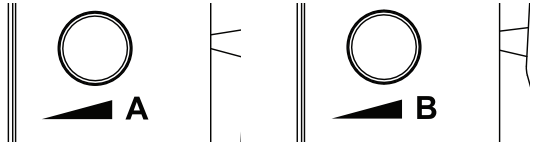
2.2. Power and M/S Button

Long press for On/Off; Short press for mono and stereo mode switch. Please attention that it can not realize STEREO function when in one-trigger-one mode.
(Mono/Stereo switch is available only when the screen is on, if the screen is dimmed, press any button to light up the screen then switch the M/S)



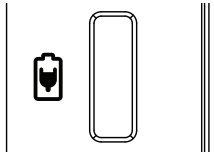
2.3. A/B Channel Output Volume Adjustment Button

Short press to cyclically adjust the A/ B channel output Volume. It can independently adjust even in the mono mode and is generally adjusted to the consistent output Volume when in use. (The output Volume adjustment is available only when the screen is on, and if the screen is dimmed, press any button to light up the screen and then adjust again).



2.4. USB-C Charging Port

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



2.5. 3.5mm TRS Audio Output Port

Connect with mobile phone through the 3.5mm TRS-TRRS audio cable; Connect with camera through the 3.5mm TRS-TRS audio cable (3.5mm TRS-TRS Audio Output Cable with Impedance is recommended to be used if there is sound explosive in recording).



2.6. 3.5mm TRS/TRRS Monitoring Port

Insert headphone to monitor.

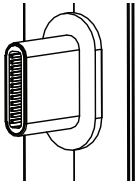


UC Receiver (UC RX)

Function Introduction:

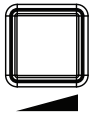
1. USB-C Plug

Insert into the USB-C port 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 one-trigger-one mode.



4. A/B Working Status Indicator

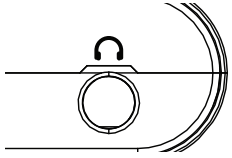
The indicator is red when unpaired. After paired, the indicator is blue when it's Mono and is purple when it's Stereo.

A

B

5. 3.5mm TRS/TRRS Monitoring Port

Insert headphone to monitor.



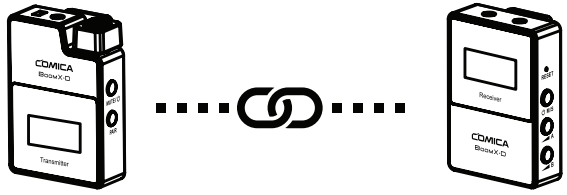
Pairing Method

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

One-trigger-one:

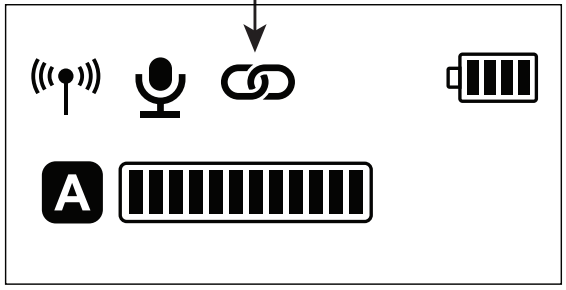
Turn on the transmitter and receiver within one meter, and then press the pair button for pairing when the transmitter screen is highlighted.

The transmitter (TX) is pairing with the receiver (RX)



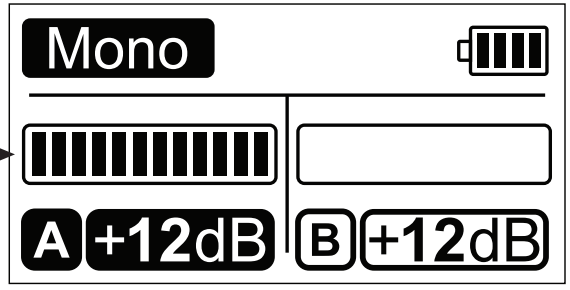
Transmitter (TX) Receiver (RX)

The screen icon changes from to after pairing



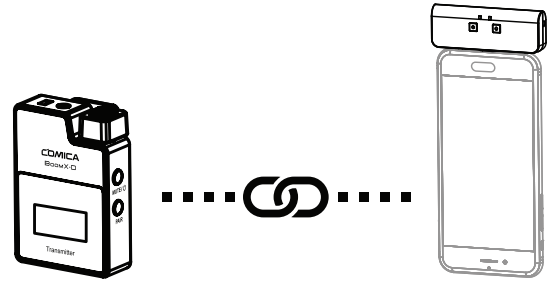
Transmitter (TX)

The microphone audio dynamic bar is available after pairing



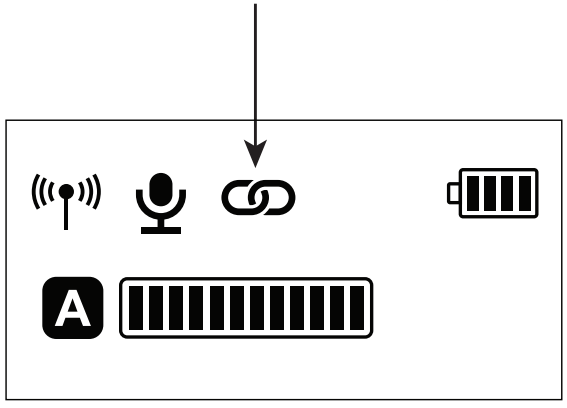
Receiver (RX)

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



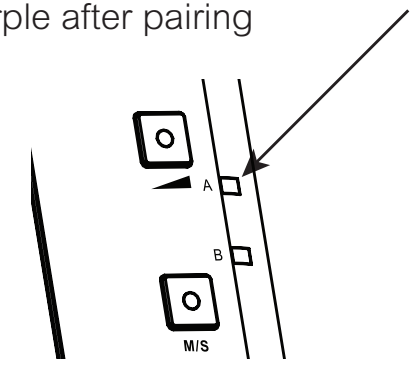
Transmitter (TX)　　UC Receiver (UC RX)

The screen icon changes from to after pairing



Transmitter (TX)

The channel indicator on the UC receiver (UC RX) changes from red to blue or purple after pairing

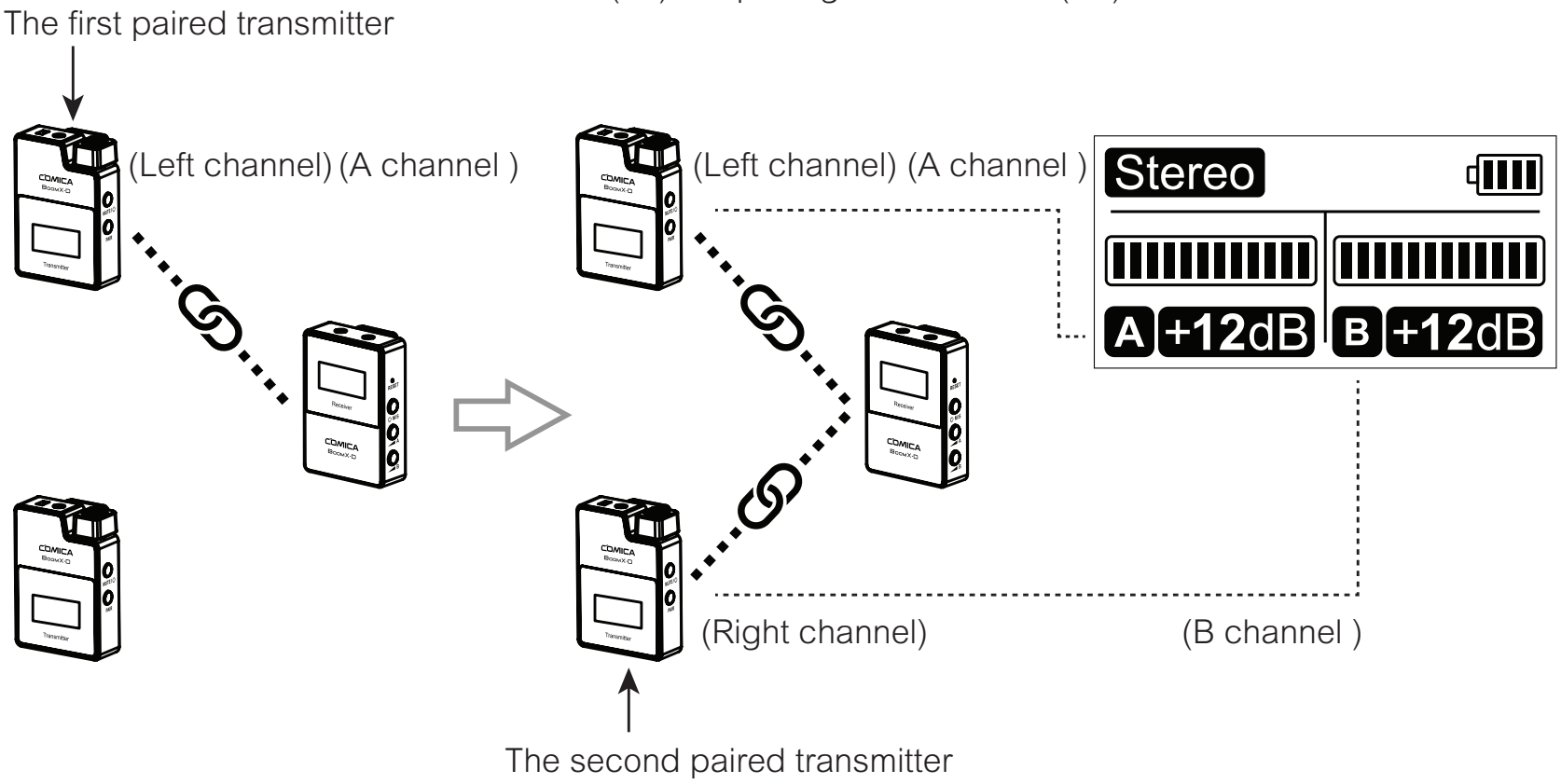


UC Receiver (UC RX)

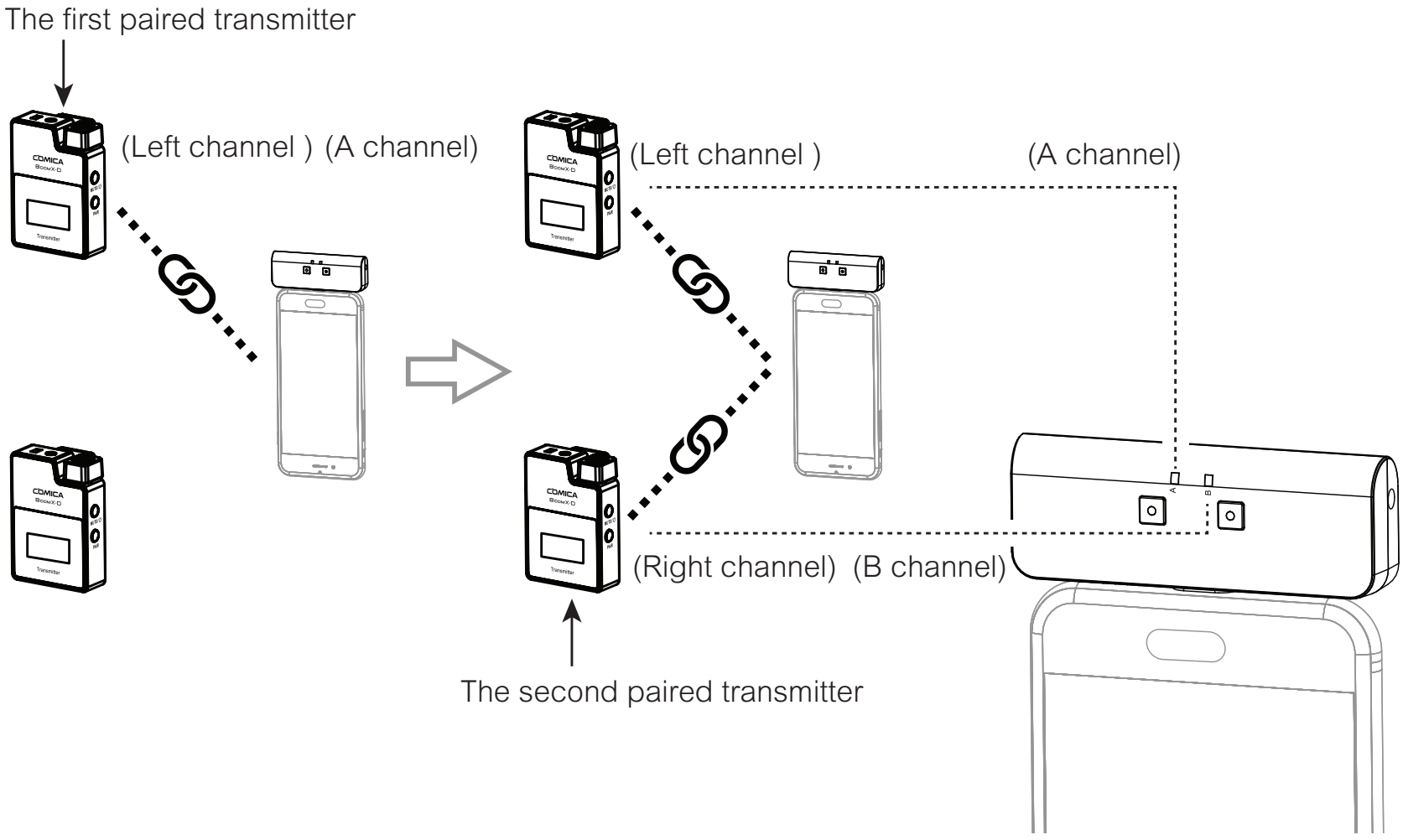
One-trigger-two:

Turn on the transmitter and receiver within one meter, and then long press the pair button of one transmitter to pair the receiver when the transmitter screen is highlighted. After the pairing is successful, the receiver will designate the first paired transmitter as channel A.Then long press the pair button of the second transmitter for pairing, and the receiver will designate the second paired transmitter as channel B after the pairing is successful.Channel A is the left channel, channel B is the right channel.

Two transmitters (TX) are pairing with Receiver (RX)



Two transmitters (TX) are pairing with UC Receiver (UC RX)



Specification

Transmitter (TX)

Wireless Band	2400 ~ 2483.5MHz
Transmitting Power	+10dBm
Receiving Sensitivity	-86dBm
Antenna	PCB Antenna
Polar Pattern	Omnidirectional
Frequency Response	80Hz ~ 20kHz
Sound Delay	<20ms
External Mic Input Interface	3.5mm TRS
Battery	Built-in Li-ion Battery 300mAh 3.7V
Battery Life	5 Hours
Net Weight	29g
Dimension	39 x 22 x 55mm
Operating Temperature	0℃ ~ 50℃

Receiver (RX)

Wireless Band	2400 ~ 2483.5MHz
Transmitting Power	+10dBm
Receiving Sensitivity	-86dBm
Antenna	PCB Antenna
Audio Output Amplitude	+0dB ~ +12dB
Sound Delay	<20ms
Audio Output Interface	3.5mm TRS
Monitor Interface	3.5mm TRS/TRRS
Battery	Built-in Li-ion Battery 300mAh 3.7V
Battery Life	5 Hours
Net Weight	29g
Dimension	39 x 22 x 55mm
Operating Temperature	0℃ ~ 50℃

UC Receiver (UC RX)

Wireless Band	2400 ~ 2483.5MHz
Transmitting Power	+10dBm
Receiving Sensitivity	-86dBm
Antenna	PCB Antenna
Audio Output Amplitude	+0dB ~ +12dB
Sound Delay	<20ms
Data Interface	USB-C
Monitoring Interface	3.5mm TRS/TRRS
Net Weight	19g
Dimension	33 x 13 x 70mm
Operating Temperature	0℃ ~ 50℃

COMICA 科唛
PROFESSIONAL AUDIO EQUIPMENT

BoomX-D

2.4G数字无线一拖二麦克风



用户使用手册

前　言

感谢您购买COMICA/科唛BoomX-D 2.4G无线麦克风。
为保证产品的顺畅使用，请在使用前严格阅读本说明书，并正确组装及操作。

产品主要功能

. 2.4G数字无线，全球通用频段
. 一拖二，两路发射一路接收
. 可视化电量，音频动态监控等屏显功能
. 内置和外置MIC两种输入方式
. 单声道/立体声，多输出选择
. 支持实时监听
. 高保真音质
. 自动跳频，传输稳定
. 低音频延迟<20ms
. 传输距离稳定高达50m
. 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

⚠ 一拖一模式下，立体声（STEREO）功能不可实现

⚠ 3.5mm TRS-TRS音频连接线适用于佳能、尼康等收音灵敏度较弱的相机

3.5mm TRS-TRS阻尼音频连接线适用于索尼、松下、富士等收音灵敏度较强的相机

（如连接设备后出现声音过爆现象，此时建议使用3.5mm TRS-TRS阻尼音频连接线）

⚠ 使用于手机上时，请将WIFI和蓝牙关闭，避免2.4G无线干扰

⚠ 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、WIFI热点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

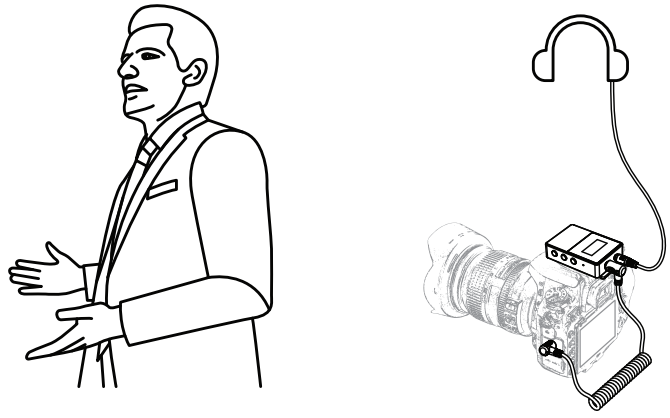
⚠ 不要在雨中或潮湿的环境中使用该设备，否则会有短路的危险

⚠ 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。

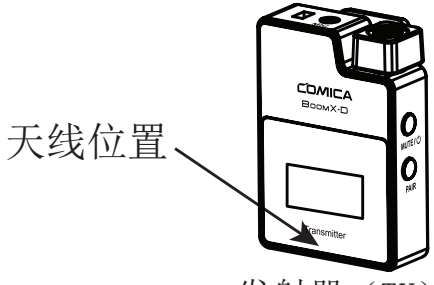


面对面（正确）

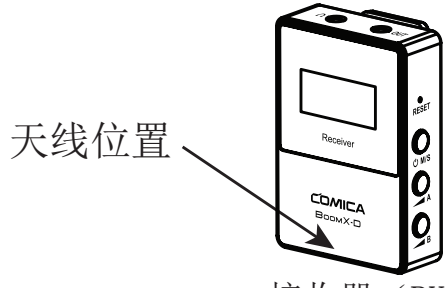


背对（错误）

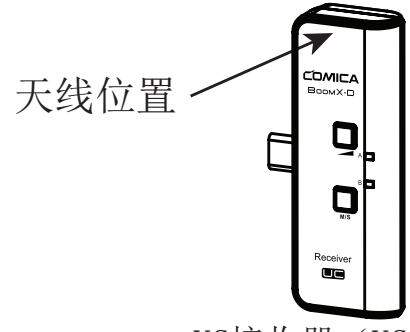
使用时避免任何物体遮挡天线位置，以免信号不良。



发射器（TX）



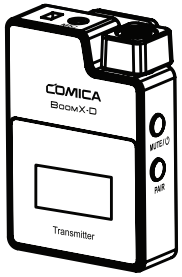
接收器（RX）



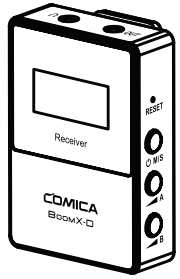
UC接收器（UC RX）

包装清单

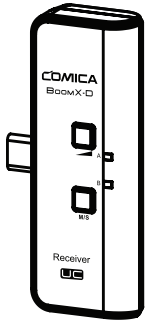
主体:



发射器（TX）

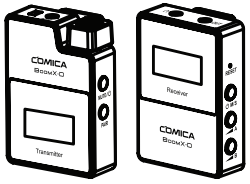


接收器（RX）

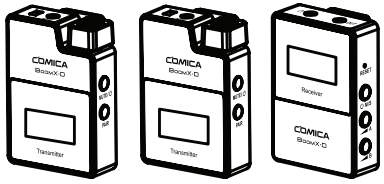


UC接收器（UC RX）

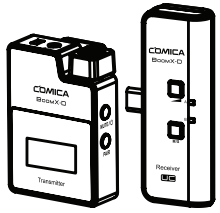
搭配选择:



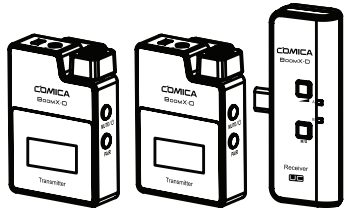
D1 = TX + RX



D2 = TX + TX + RX



UC1 = TX + UC RX



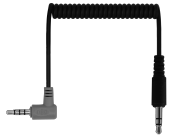
UC2 = TX + TX + UC RX

配件：

① 3.5mm 麦克风输入线
② 防风毛
③ 3.5mm TRS-TRRS音频连接线（手机适配线）
④ 3.5mm TRS-TRS音频连接线（适配佳能、尼康等相机）
⑤ 3.5mm TRS-TRS阻尼音频连接线（适配索尼、松下、富士等相机）
⑥ USB A-USB C充电线
⑦ 复位针
⑧ 说明书
⑨ 保修卡


①

②


③


④


⑤


⑥


⑦



⑧



⑨

每一个型号的配件包括：

D1= ① + ② + ③ + ④ + ⑤ + ⑥ + ⑦ + ⑧ + ⑨

D2= ①x2 + ②x2 + ③ + ④ + ⑤ + ⑥ + ⑦ + ⑧ + ⑨

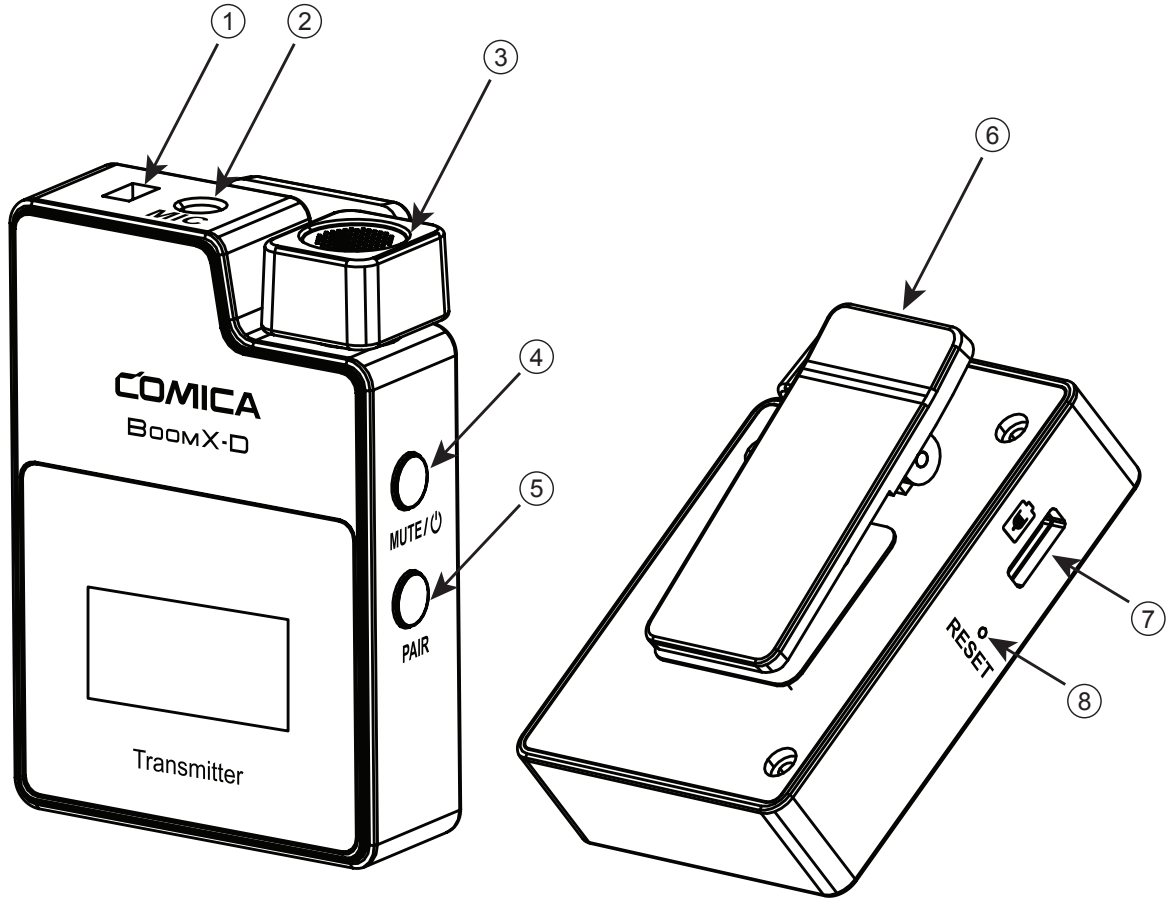
UC1= ① + ② + ⑥ + ⑦ + ⑧ + ⑨

UC2= ①x2 + ②x2 + ⑥ + ⑦ + ⑧ + ⑨

部件介绍及说明

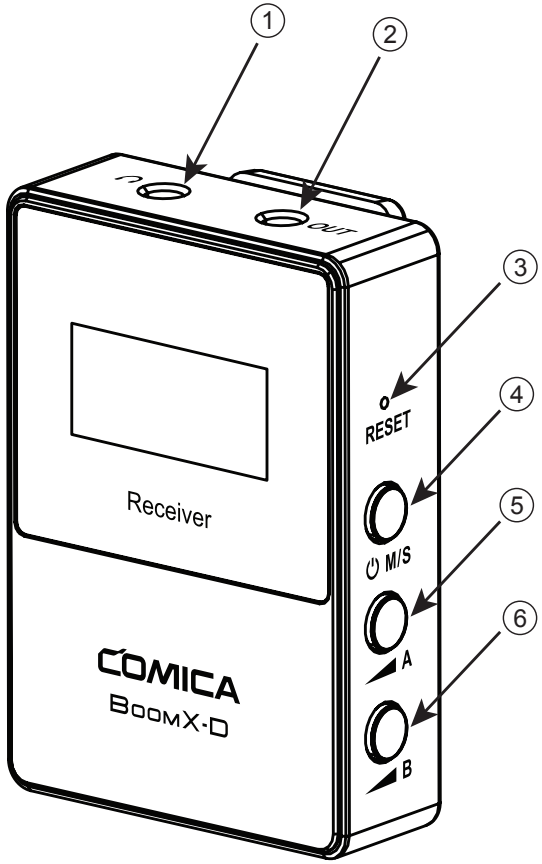
发射器（TX）

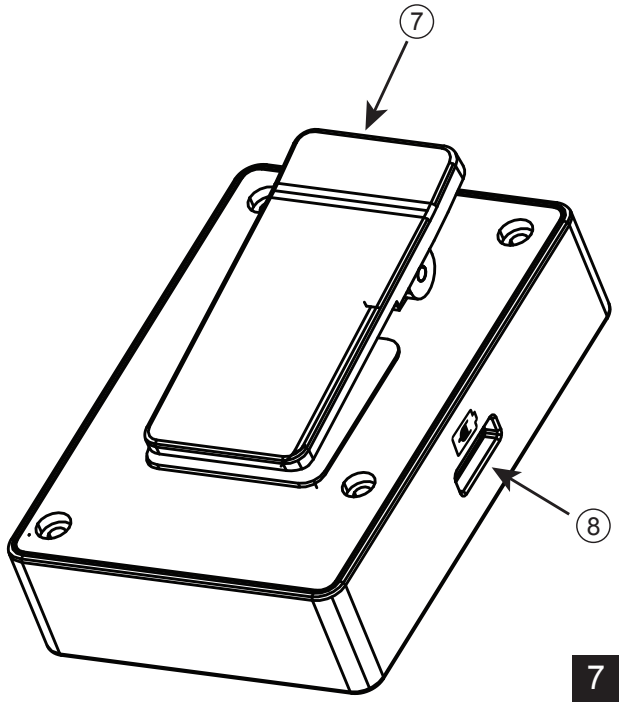
1. 外置麦克风插头卡扣
2. 3.5mm TRS外置麦克风插孔
3. 内置麦克风
4. 电源/静音按钮
5. 配对按钮
6. 背夹
7. USB-C充电插口
8. 复位孔



接收器（RX）

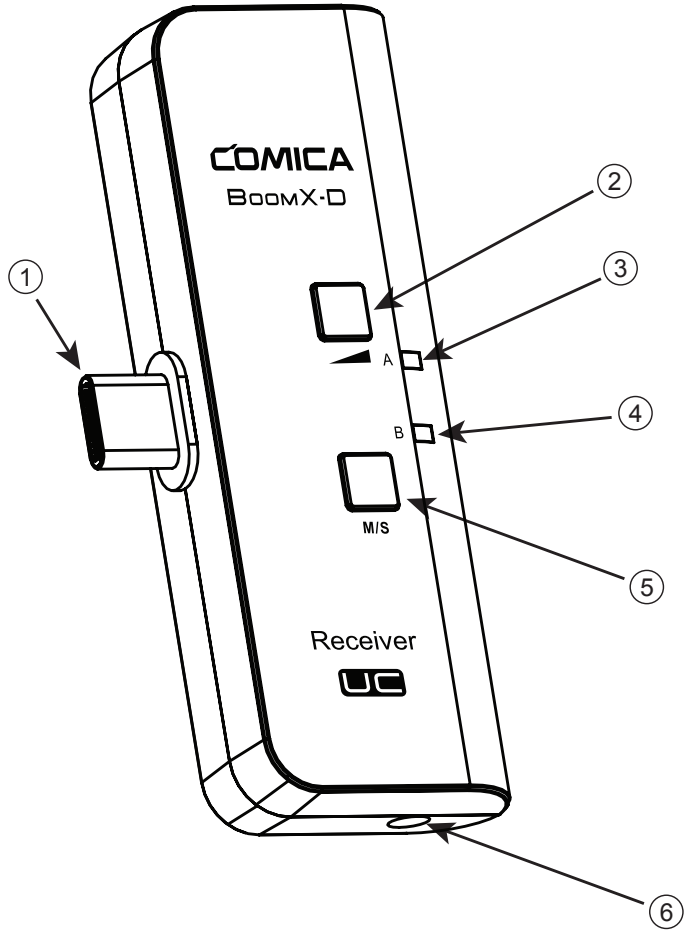
1. 3.5mm TRS/TRRS耳机监听插孔
2. 3.5mm TRS音频输出插孔
3. 复位孔
4. 电源/单声道和立体声切换按钮
5. A通道输出音量调节按钮
6. B通道输出音量调节按钮
7. 背夹
8. USB-C充电插口





UC接收器（UC RX）

1. USB-C插头
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/立体声切换按钮
6. 3.5mm TRS/TRRS耳机监听插孔

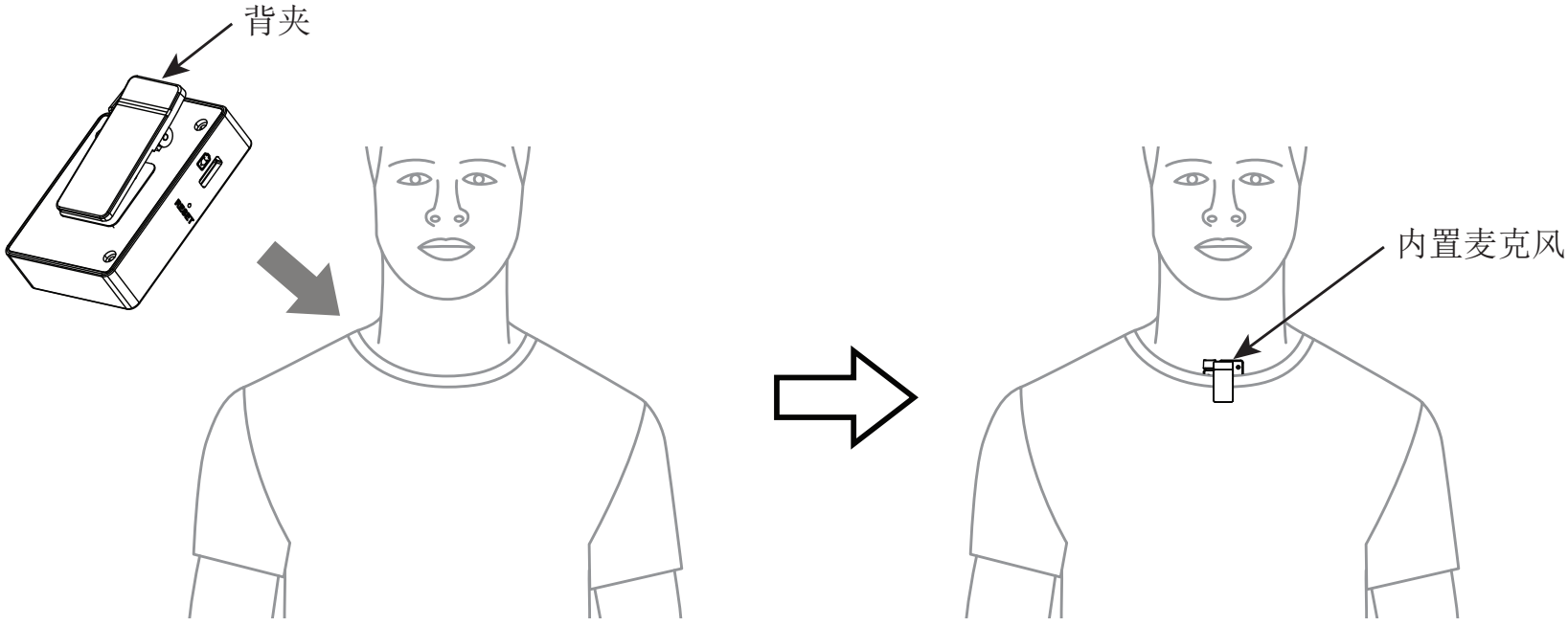


安装方法

发射器（TX）

1. 使用内置麦克风:

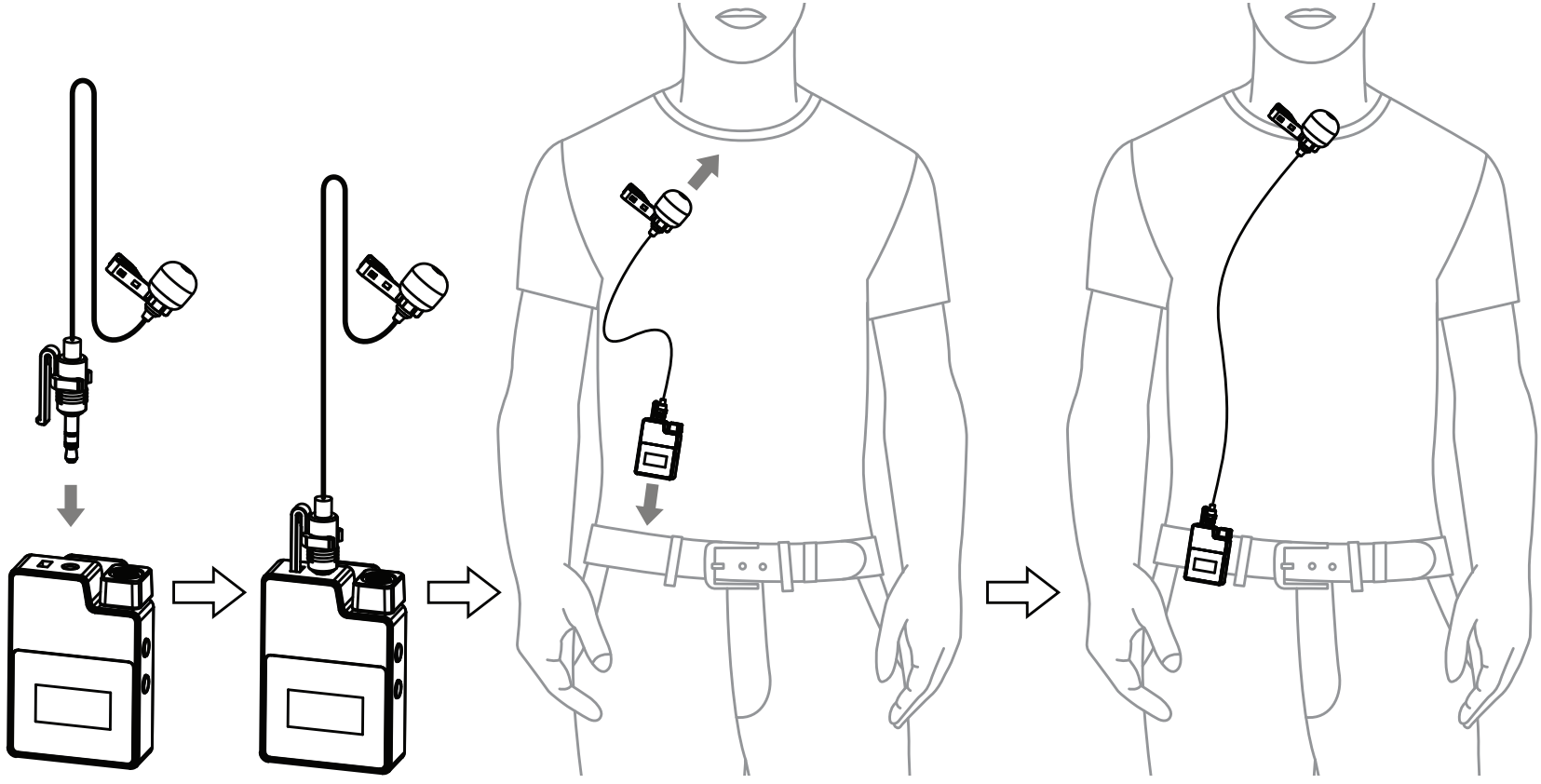
把发射器通过背夹安装到衣领上，使内置麦克风指向音源方向。



☞ 在使用过程中为了更好的隐蔽性，建议将背夹朝外固定使用。

2. 使用外置麦克风:

把3.5mm TRS麦克风输入线插入发射器的3.5mm TRS外置麦克风插孔并扣紧；把发射器通过背夹夹到腰带上,再把另一头的领夹麦克风夹到衣领上。

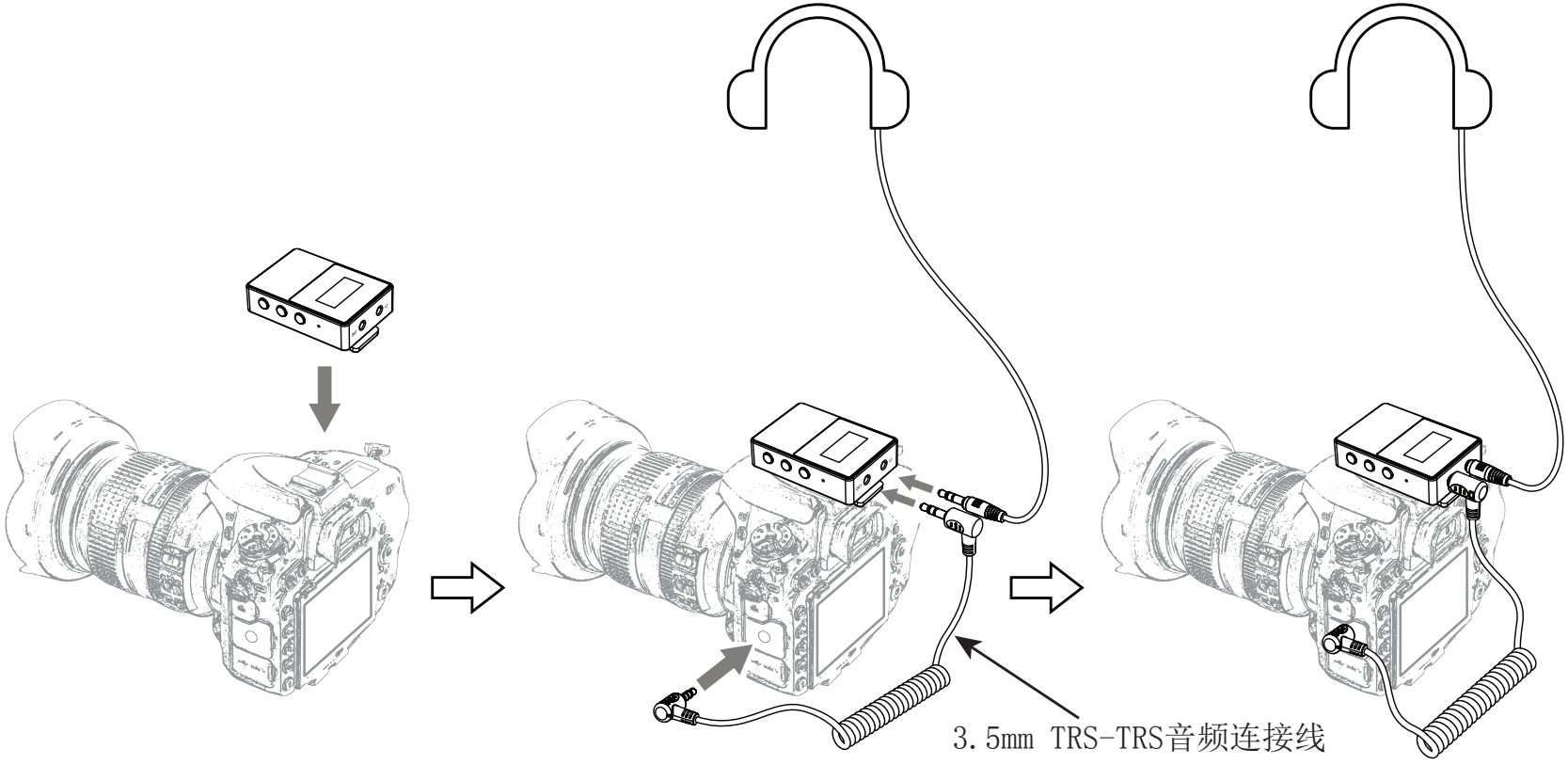


☞ 当使用外置麦克风时，内置麦克风会自动关闭。

接收器（RX）

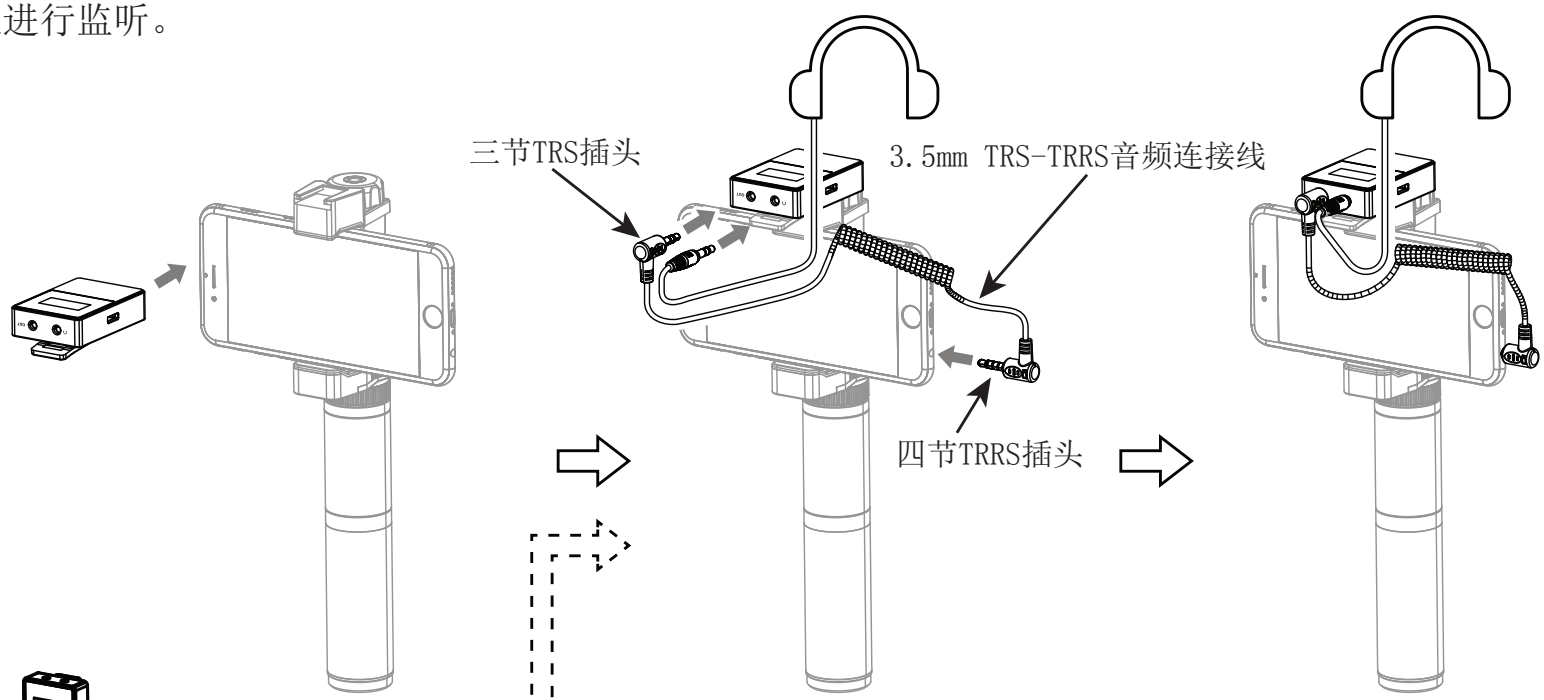
1.搭配相机使用安装方法:

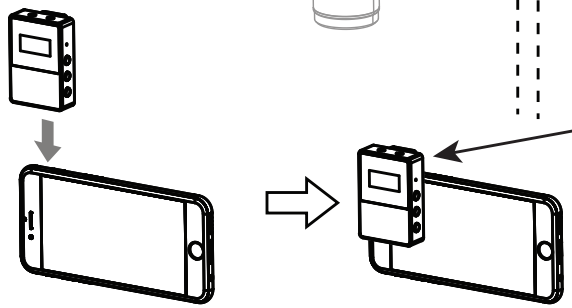
把接收器通过背夹夹到相机的热靴座固定；通过3.5mm TRS-TRS音频连接线连接接收器和相机；把耳机插入耳机监听插孔进行监听。



2. 搭配手机使用安装方法:

把接收器通过背夹夹到冷靴座；通过3.5mm TRS-TRRS音频连接线连接接收器和手机，并注意接入接收器音频输出插孔的是3.5mm TRS插头，接入手机端的是3.5mm TRRS插头；把耳机插入3.5mm TRS/TRRS耳机监听插孔进行监听。

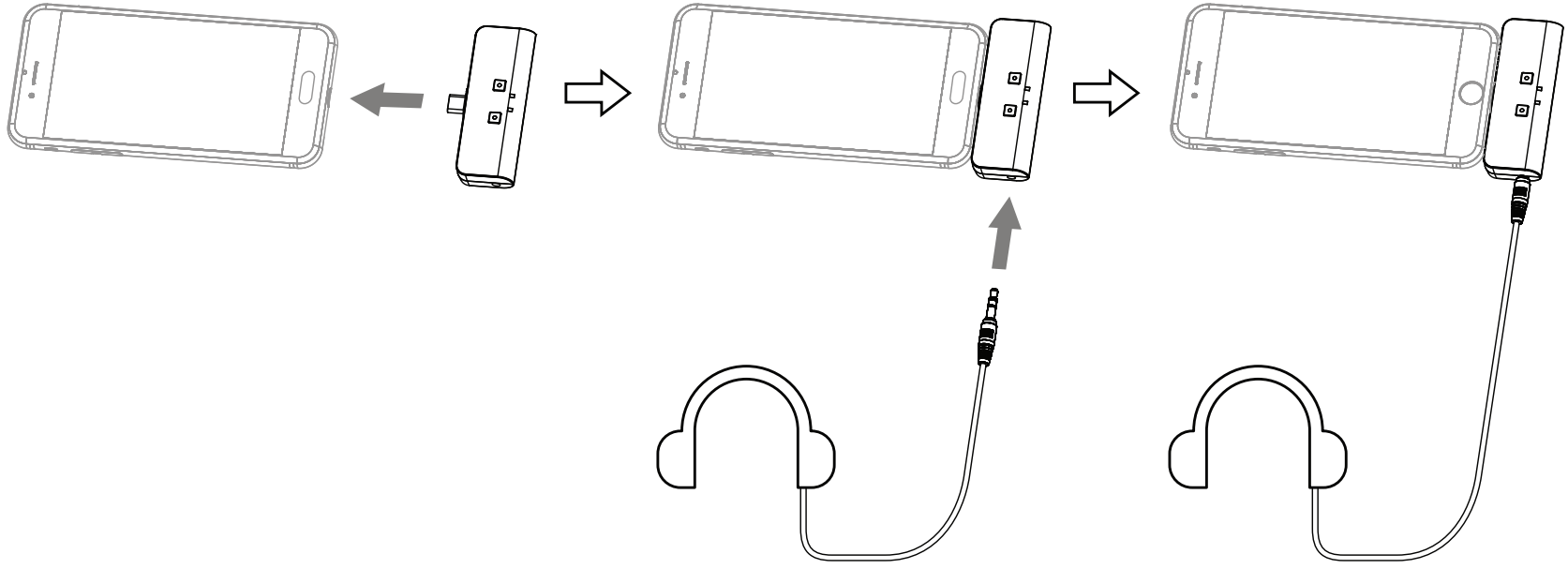




在没有手机支架的情况下可以把接收器通过背夹夹到手机上使用,其他配件的安装方法与上相同。

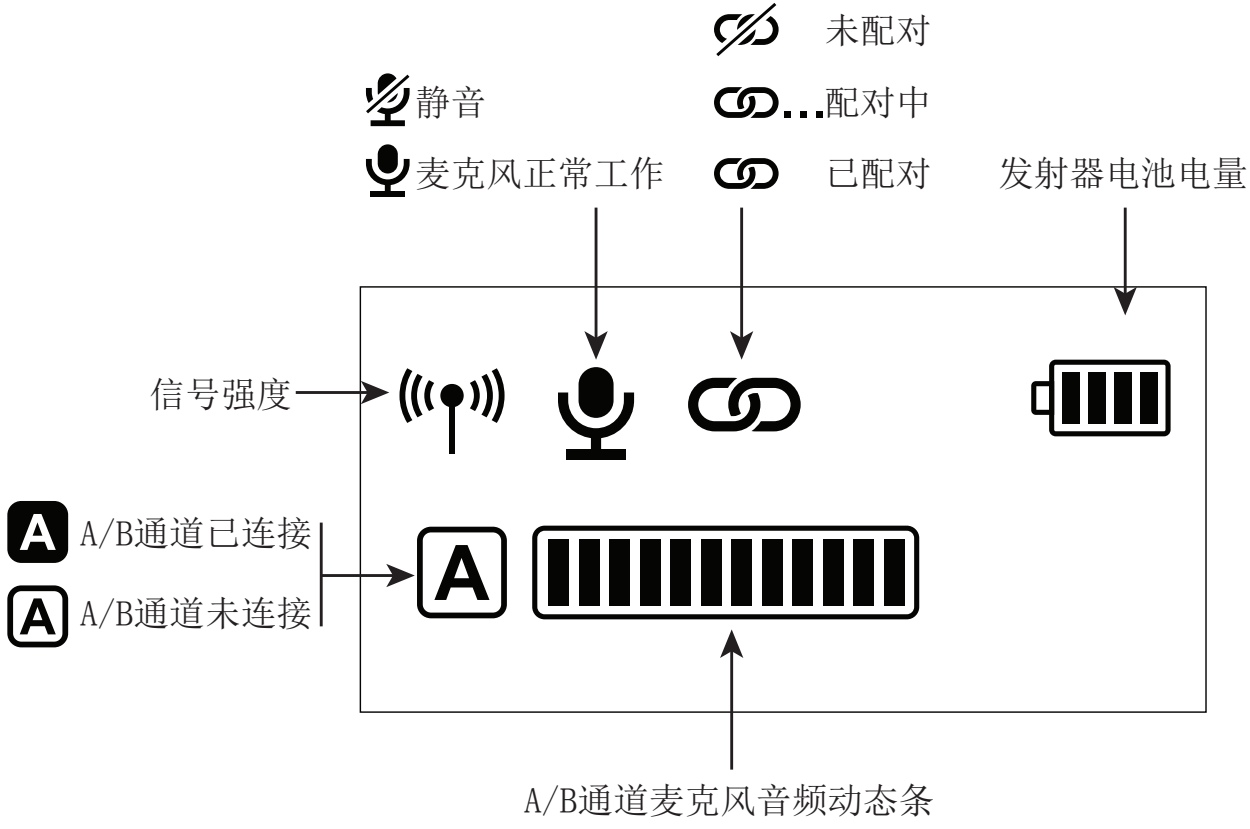
UC接收器（UC RX）

把UC接收器（UC RX）插入手机的USB-C插口；把耳机插入3.5mm TRS/TRRS耳机监听插孔进行监听。



发射器（TX）

1.屏幕显示:


未配对
静音
配对中
麦克风正常工作
已配对
发射器电池电量
信号强度
A/B通道已连接
A/B通道未连接
A/B通道麦克风音频动态条

2.功能介绍:

2.1. 电源/静音按钮

长按开机/关机，短按进行静音切换(静音切换必须在屏幕亮显时才可用，如果屏幕暗显，请先按任何按键使屏幕亮显再进行静音切换)。



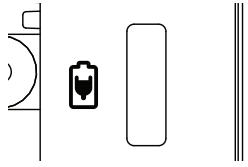
2.2. 配对按钮

长按与接收器进行配对(配对切换必须在屏幕亮显时才可用，如果屏幕暗显，请先按任何按键使屏幕亮显再进行配对)。



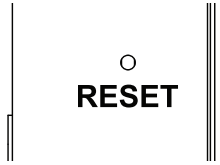
2.3. USB-C充电插口

通过USB A-USB C充电线连接发射器与电源进行充电。



2.4. 复位孔

如出现死机或开不了机等异常现象，使用复位针插入复位孔即可复位。



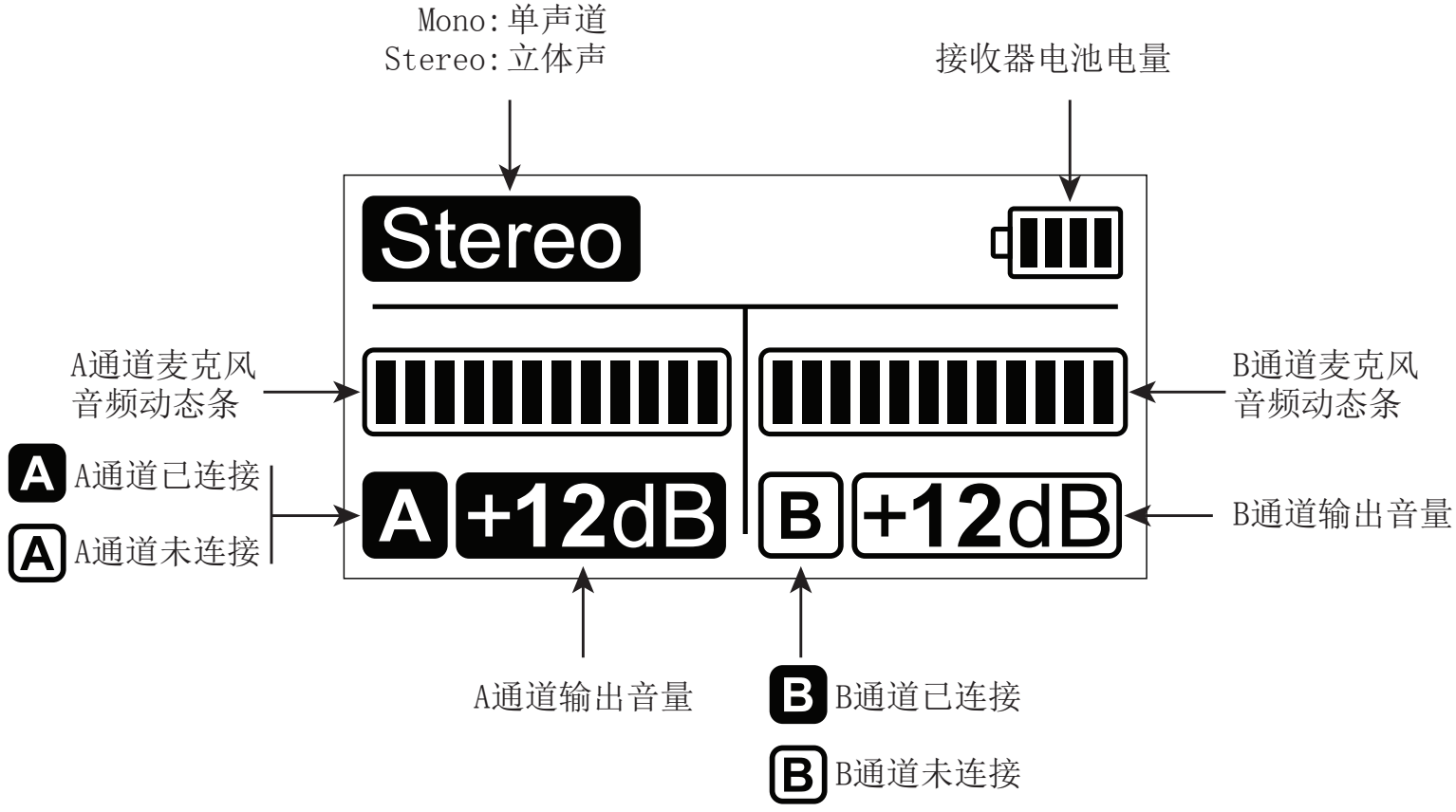
2.5. 3.5mm TRS麦克风插孔

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。



接收器（RX）

1.屏幕显示:


Mono:单声道
Stereo:立体声
接收器电池电量
Stereo
A通道麦克风
音频动态条
B通道麦克风
音频动态条
A
A通道已连接
A
A通道未连接
A
+12dB
B
+12dB
B通道输出音量
A通道输出音量
B
B通道已连接
B
B通道未连接

2.功能介绍:

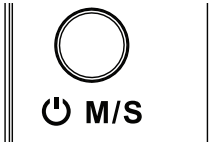
2.1. 复位孔

如出现死机或开不了机等异常现象，使用复位针插入复位孔即可复位。



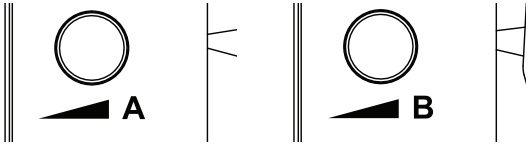
2.2. 电源/单声道和立体声切换按钮

长按开机/关机，短按进行单声道和立体声切换。一拖一模式下，立体声（STEREO）功能不可实现(单声道和立体声切换必须在屏幕亮显时才可用，如果屏幕暗显，请先按任何按键使屏幕亮显再进行单声道和立体声切换)。



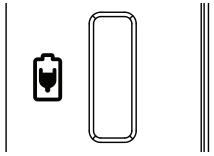
2.3. A/B通道输出音量调节按钮

短按可循环调节A/B通道输出音量，即使在单声道模式下，A/B通道输出音量也是独立调节，使用时一般调节为一致的输出音量(输出音量调节必须在屏幕亮显时才可用，如果屏幕暗显，请先按任何按键使屏幕亮显再进行输出音量调节)。



2.4. USB-C充电插口

通过USB A-USB C充电线连接接收器与电源进行充电。



2.5. 3.5mm TRS音频输出插孔

通过3.5mm TRS-TRRS音频连接线与手机进行连接；通过3.5mm TRS-TRS音频连接线与相机进行连接(如连接设备后出现声音过爆现象，此时建议使用3.5mm TRS-TRS阻尼音频连接线)。



2.6. 3.5mm TRS/TRRS耳机监听插孔

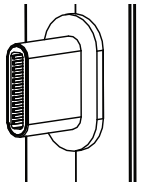
插入3.5mm TRS/TRRS耳机即可监听。



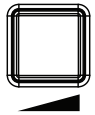
UC接收器（UC RX）

功能介绍:

1. USB-C插头
   插入手机USB-C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。一拖一模式下，立体声（STEREO）功能不可实现。

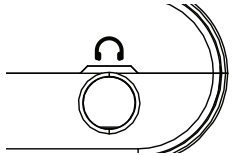


4. A/B通道状态指示灯
   未配对时亮红灯，配对成功后单声道亮蓝灯，立体声亮紫灯。

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。

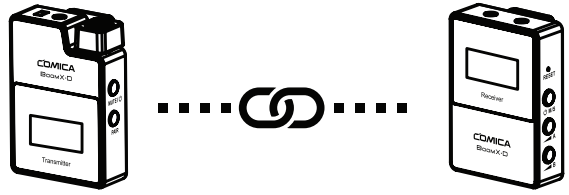


配对方法（出厂时均已配对，如需重新配对时可按如下描述操作）

一拖一的配对方法:

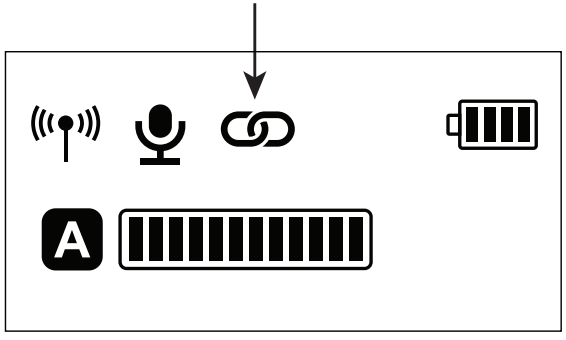
在一米范围内先把发射器与接收器打开，然后在发射器屏幕亮显的情况下长按配对按钮进行配对即可。

发射器（TX）与接收器（RX）配对



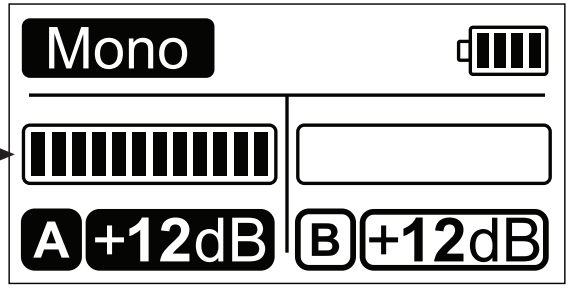
发射器（TX）　　接收器（RX）

配对成功后屏幕图标由 变成



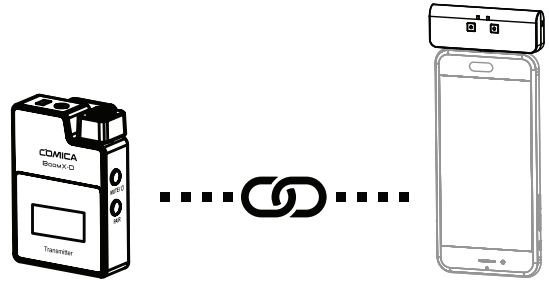
发射器（TX）

配对成功后麦克风音频动态条可用



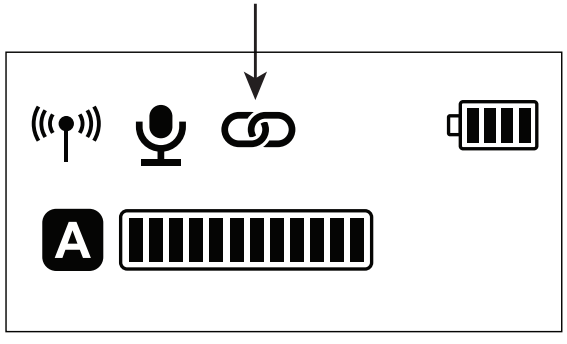
接收器（RX）

发射器（TX）与UC接收器（UC RX）配对



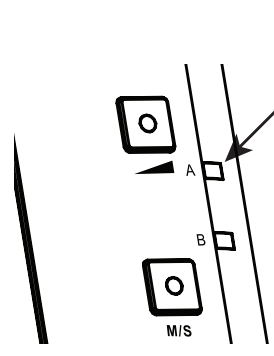
发射器（TX）　　UC接收器（UC RX）

配对成功后屏幕图标由 变成



发射器（TX）

配对成功后UC接收器（UC RX）的
通道指示灯由红色变成蓝色或紫色

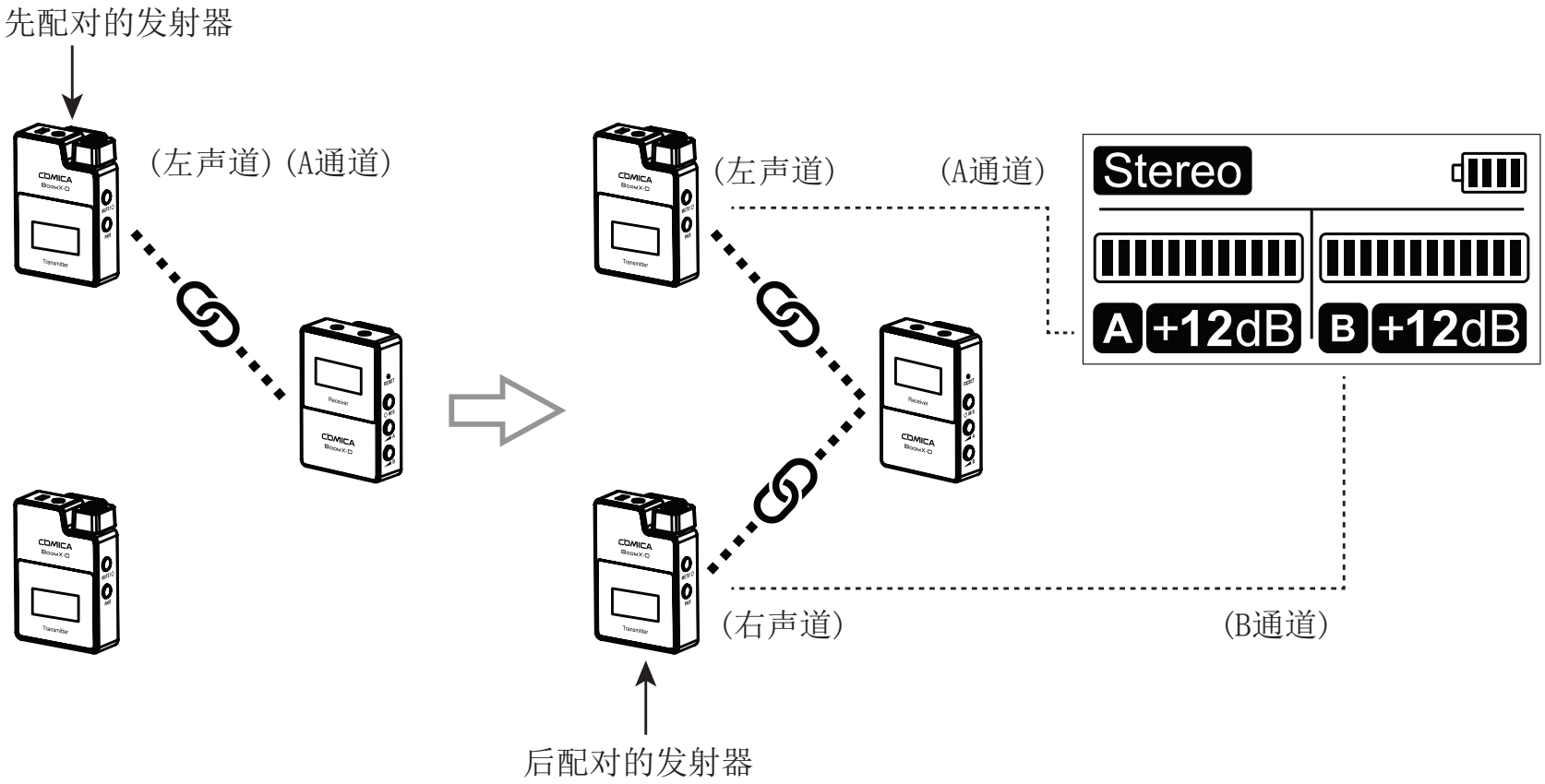


UC接收器（UC RX）

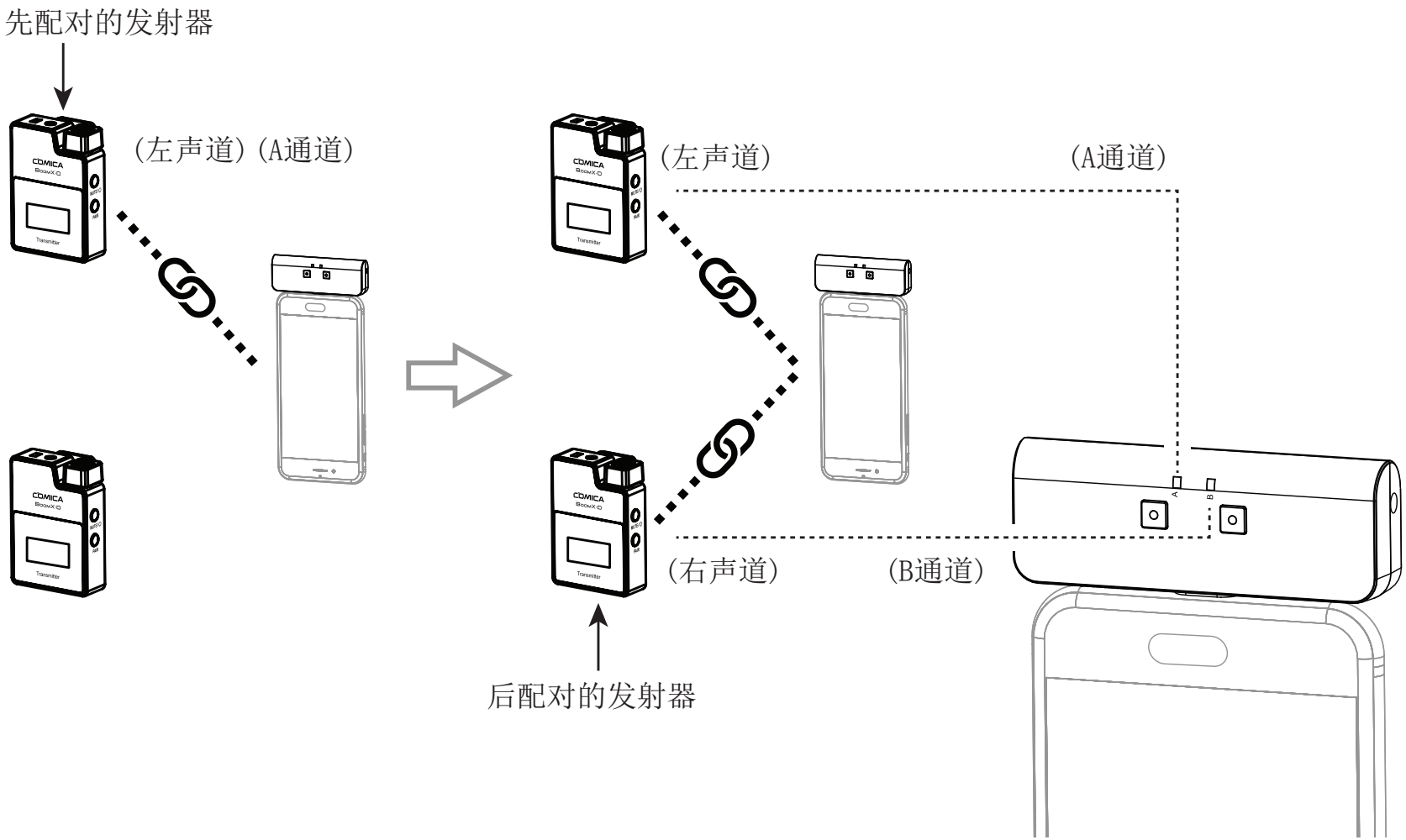
一拖二的配对方法:

在一米范围内先把发射器与接收器打开，然后在发射器屏幕亮显的情况下长按其中的一个发射器的配对按钮进行配对,配对成功后接收器把最先配对的发射器定为A通道；再长按第二个发射器的配对按钮进行配对，配对成功后接收器把第二个发射器定为B通道；A通道为左声道，B通道为右声道。

两个发射器（TX）与接收器（RX）配对



两个发射器（TX）与UC接收器（UC RX）配对



技术规格

发射器（TX）

无线频段	2400 ~ 2483.5MHz
发射功率	+10dBm
接收灵敏度	-86dBm
天线	PCB天线
麦克风指向性	全指向
麦克风频响	80Hz ~ 20kHz
声音延迟	<20ms
外置输入接口	3.5mm TRS
电池	锂聚合物 300mAh 3.7V
续航时间	5小时
净重	29g
尺寸	39 x 22 x 55mm
工作温度	0℃ ~ 50℃

接收器（RX）

无线频段	2400 ~ 2483.5MHz
发射功率	+10dBm
接收灵敏度	-86dBm
天线	PCB天线
音频输出幅度	+0dB ~ +12dB
声音延迟	<20ms
音频输出接口	3.5mm TRS
监听接口	3.5mm TRS/TRRS
电池	锂聚合物 300mAh 3.7V
续航时间	5小时
净重	29g
尺寸	39 x 22 x 55mm
工作温度	0℃ ~ 50℃

UC接收器（UC RX）

无线频段	2400 ~ 2483.5MHz
发射功率	+10dBm
接收灵敏度	-86dBm
天线	PCB天线
音频输出幅度	+0dB ~ +12dB
声音延迟	<20ms
数据接口	USB-C
监听接口	3.5mm TRS/TRRS
净重	19g
尺寸	33 x 13 x 70mm
工作温度	0℃ ~ 50℃

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