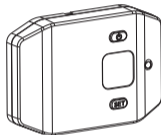
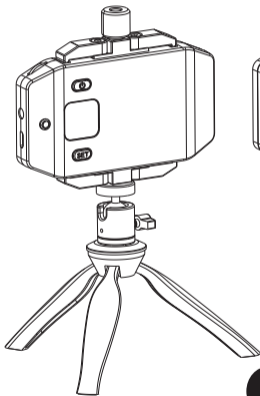
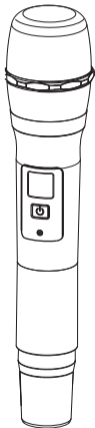


WS50

UHF Wireless Microphone



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.

Specifications

Lavalier Transmitter (TX) :

Wireless Frequency	520.00MHz ~ 526.00MHz
Transmitting Power	15dBm
Channels	6

Hand-held Transmitter (HTX) :

Wireless Frequency	520.00MHz ~ 526.00MHz
Transmitting Power	15dBm
Channels	6

Receiver:

Wireless Frequency	520.00MHz ~ 526.00MHz
Channels	6

Foreword

Thank you for purchasing Comica WS50

Main Features

- . 6 Channels, Working Distance Up to 100m (Open Area, 50m in Area with Obstacle)
- . Built-in Rechargeable Lithium Battery and Metal Smartphone Holder
- . LCD Screen for Displaying Channels and Audio Status
- . Stepless Volume Adjustment, Real-time Audio Monitor
- . Extendable for Connection with LED Light, Grip, Tripod, Cold-shoe, etc.

Notice

- . For devices with USB interface, please purchase the relevant adapter by yourself
- . For the smartphones with Android system, this Mic works well in audio mode, it may not be compatible with partial smartphones in video mode (Then we suggest that you try the 3rd party APP, such as Filmic Pro, Proshot, etc.)
- . For smartphones with iOS system, this Mic works well either in audio or video mode
- . The working distance will be affected by the surrounding environment. Please try to keep the environment open and undisturbed during use
- . The receiver should not be close to other UHF transmitters, radio stations and other interference devices when using

Packing List

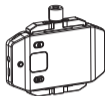
Main Body:



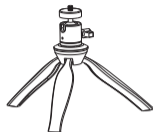
Lavalier Transmitter (TX)



Hand-held Transmitter (HTX)

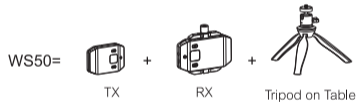


Receiver (RX)



Tripod on Table

Purchase Options:



Accessories:

1. 3.5mm Audio Mic
2. TRS-TRRS Audio Output Cable
3. Micro USB Charging Cable
4. Belt Clip
5. Wind Muff
6. Portable Case
7. User Manual
8. Warranty Card



①



②



③



④



⑤



⑥



⑦



⑧

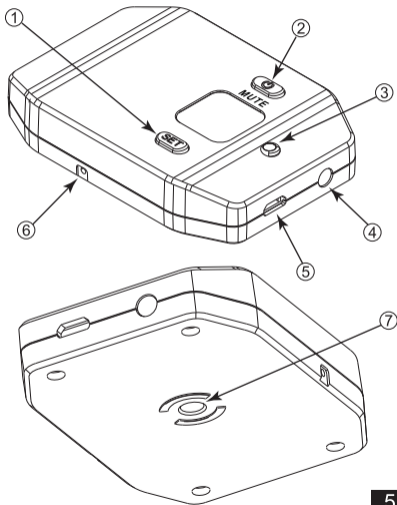
The accessories of each combination include:

WS50= ① + ② + ③ + ④ + ⑤ + ⑥ + ⑦ + ⑧

WS50(H)= ② + ③ + ⑥ + ⑦ + ⑧

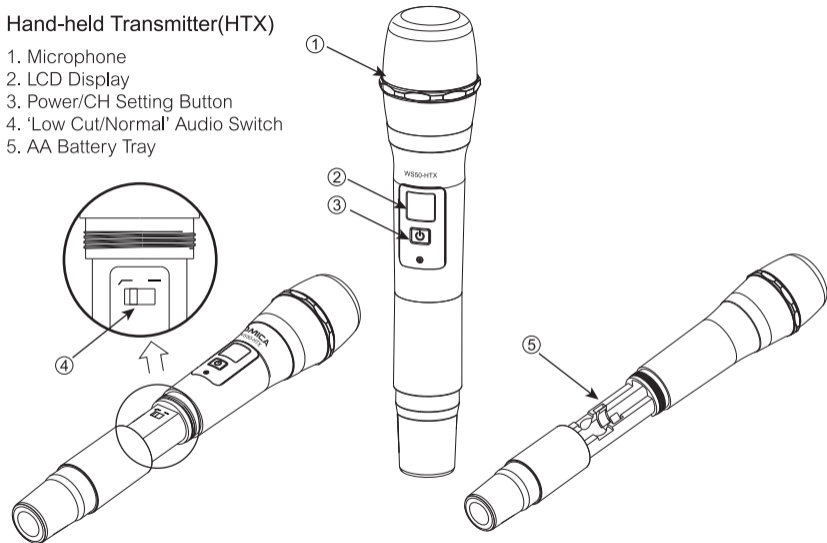
Lavalier Transmitter(TX)

- 1.Set Button
- 2.On-off/Muting Button
- 3.Working Status Indicator Light
- 4.Mic/LINE Input Socket/ Reset Hole
- 5.Micro USB Charging Socket
- 6.Belt Clip Hole
- 7.1/4 Mounting Hole



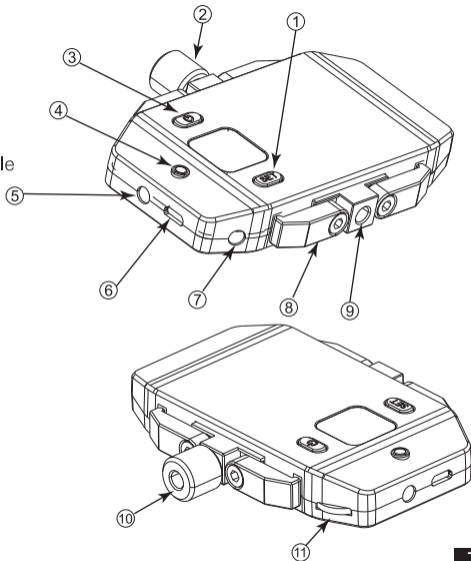
Hand-held Transmitter(HTX)

1. Microphone
2. LCD Display
3. Power/CH Setting Button
4. 'Low Cut/Normal' Audio Switch
5. AA Battery Tray



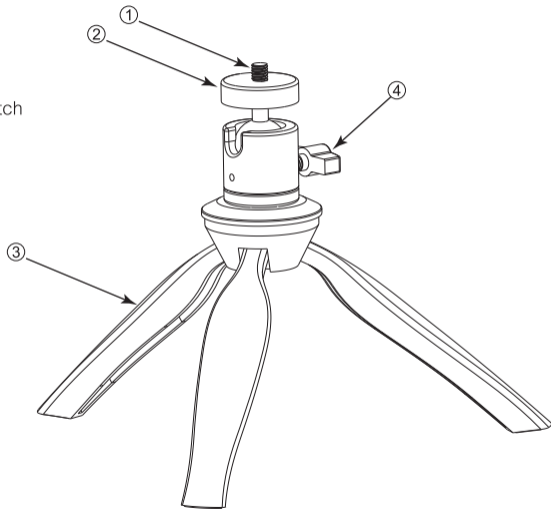
Receiver

- 1.Set Button
- 2.Adjusting Screw
- 3.On/Off Button
- 4.Working Status Indicator Light
- 5.3.5mm Audio Output Socket/Reset Hole
- 6.Micro USB Charging Socket
- 7.3.5mm Monitoring Socket
- 8.Smartphone Clamp
- 9.1/4 Screw Hole at the bottom
- 10.1/4 Screw Hole at the top
- 11.Volume Adjusting Button












Tripod on Table

1. 1/4 Screw Thread
2. Adjustable Screw
3. Stretchable Tripods
4. Direction Control Switch



Function Button Instruction

Lavalier Transmitter	 On-off/Muting Button	Long Press	Power On/Off
		Short Press	Muting Mode (It is available only when the screen is lighted up)
	 Set Button	Short Press	Channel Selection (It is available only when the screen is lighted up)
	 MIC / LINE Reset	Audio Recording/Reset	Insert the Mic line for audio recording/ Insert a small object like a pin for reset
Hand-held Transmitter	 Power/CH Setting Button	Long Press	Power On/Off
		Short Press	Channel Sequence Switch
	 "Low Cut/Normal" Audio Switch	Left	Low-cut
		Right	Normal

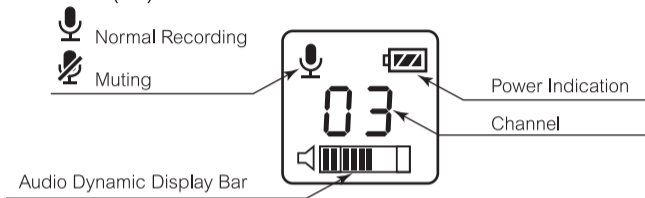
Receiver	 On-off Button	Long Press	Power On/Off
	 Set Button	Short Press	Channel Selection (It is available only when the screen is lighted up)
	 Audio Output/ Reset Hole	Audio Output/ Reset	Insert the Mic line for audio output / Insert a small object like a pin for reset
	 VOL Volume Adjustment Wheel	Dial the wheel to the left/right	Volume Adjustment

Indicator Light Instruction

Lavalier Transmitter	Green Light Keeps On	Normal Working Status
	Red Light Keeps On	Muting Mode
	Red Light Flickers	Low-power reminder
Receiver	Green Light Flickers	Channel doesn't match with the transmitter
	Green Light Keeps On	Channel matches
	Red Light Flickers	Low-power reminder

Screen Display Instruction

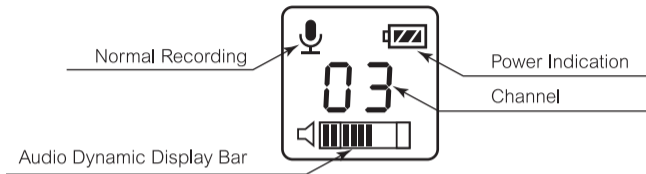
Lavalier Transmitter(TX):



Hand-held Transmitter:



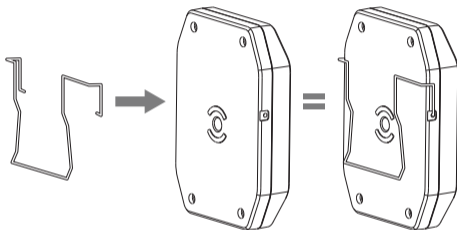
Receiver:



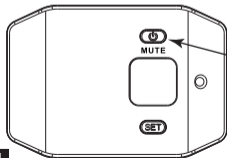
Installation and Usage

Lavalier Transmitter(TX):

1.Connect the belt clip to the connection hole



2.Long press the power button to turn on the Lavalier Transmitter

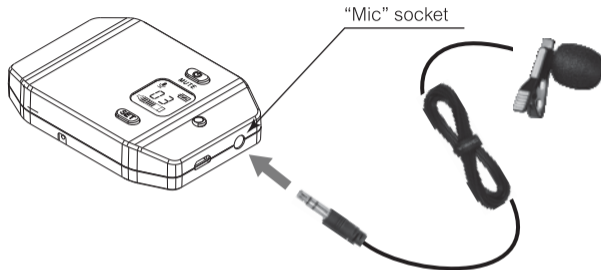


Power/Muting Button



According to different environment you could short press 'Power/Muting Button' to enter the MUTE mode.

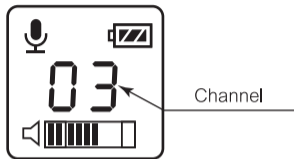
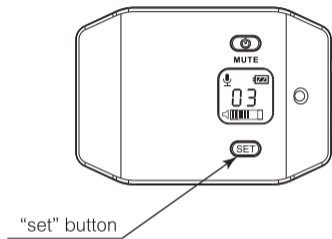
3. Insert the 3.5mm audio input cable into the "Mic" socket



4. Target the Mic to the audio source and check whether the Lavalier Transmitter is working properly according to the audio display bar on the screen

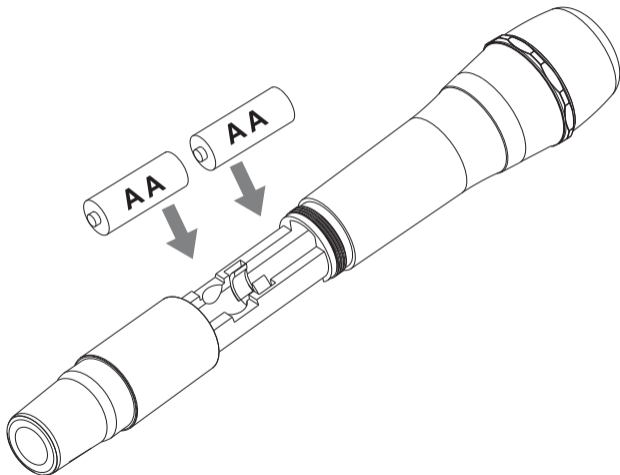


5. Short press set button to select the channel

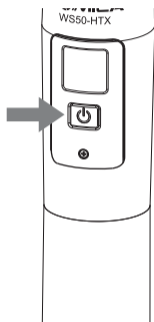


Hand-held Transmitter (HTX) :

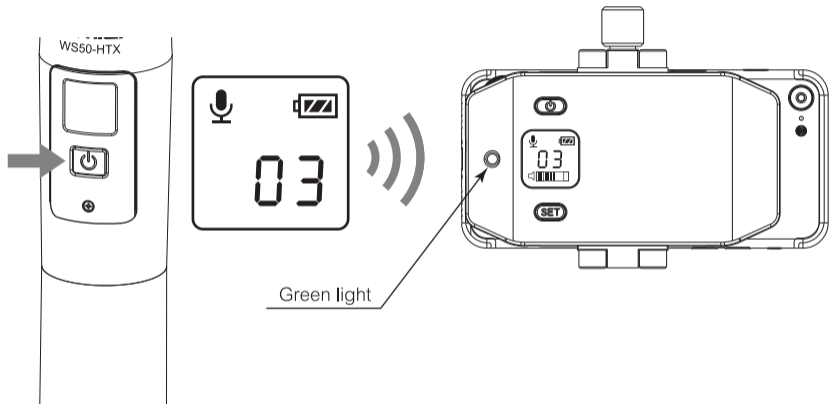
1. Install two AA batteries into the battery tray according to the positive and negative electrode



2. Long press the power button switch to turn on the hand-held transmitter



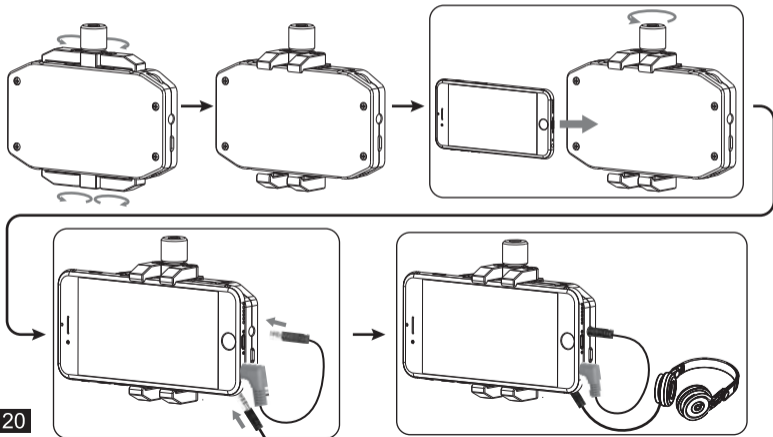
3. Short press the power button to set the channel same with receiver



👉 When the channel become same, the green light will keep on

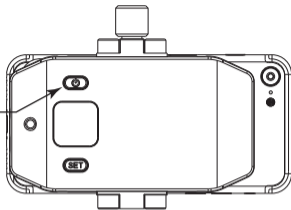
Receiver:

1. Rotate the four clamps, then adjust the screw to appropriate height, install the phone in the right position; connect one end (black) of the audio output cable to OUTPUT socket, the other end (gray TRRS) to mobile phone audio input socket; A 3.5mm headset can be inserted in real-time monitoring socket according to your need



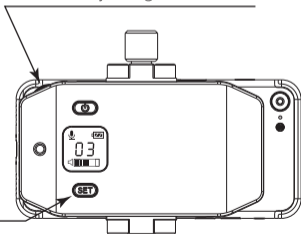
2. Long press the power button to turn on the receiver

Power Button



3. Short press set button to make channel consistent with the transmitter, and adjust the volume to the optimal status through the volume adjusting wheel

Volume Adjusting Wheel



Transmitter Channel

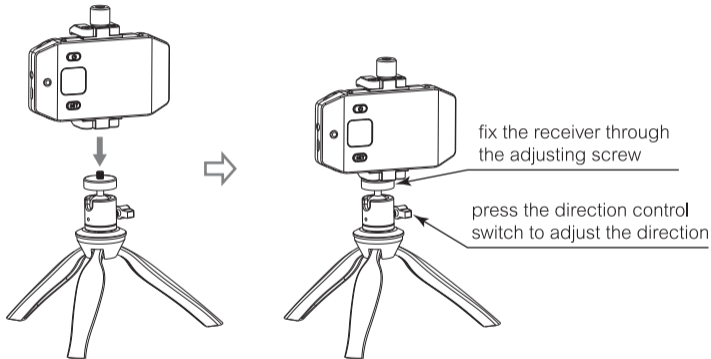


Receiver Channel



When the channel matches,
the green light will keep on

4. Connect the receiver with the tripod through the 1/4 screw thread, fix the receiver by adjusting the adjustable screw, press the direction control switch to adjust the direction



Specifications

Lavalier Transmitter (TX) :

Antenna	Built-in Antenna
Polar Pattern	Omnidirectional
Frequency Response	20Hz ~ 20kHz
Signal/Noise	70dB
Equivalent Noise	24dBA
SPL	100dB
Dynamic Range	76dB
Sound Delay	<20ms
Audio Distortion	<0.5%
Operating Time	8 Hours
Battery	Polymer Lithium Battery 3.7V 1150mAh
Charging Input	Micro USB
Dimension	85 x 59 x 16.3 mm
Net Weight	62g
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +60°C

Hand-held Transmitter (HTX):

Antenna	PCB Antenna
Polar Pattern	Cardioid
Frequency Response	100Hz ~ 14kHz
Signal/Noise	70dB
Equivalent Noise	24dBA
SPL	140dB
Dynamic Range	116dB
Low Cut	160Hz
Sound Delay	<20ms
Audio Distortion	<0.5%
Power Consumption	500mW
Battery	Two AA Batteries
Dimension	Φ53.5(MAX) x 248mm
Net Weight	310g (without battery)
Operating Temperature	0℃ ~ 50℃
Storage Temperature	-20℃ ~ 60℃

Receiver:

Receiving Sensitivity	<-90dBm
Antenna	Built-in Antenna
Signal/Noise	70dB
Equivalent Noise	24dBA
Sound Delay	<20ms
Audio Distortion	<0.5%
Operating Time	8 Hours
Battery	Polymer Lithium Battery 3.7V 1150mAh
Charging Input	Micro USB
Dimension	104 x 57.6 x 16.3mm
Net Weight	123g
Operating Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +60°C



Website: comica-audio.com

Facebook: Comica Audio Tech Global

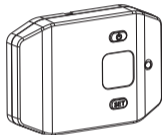
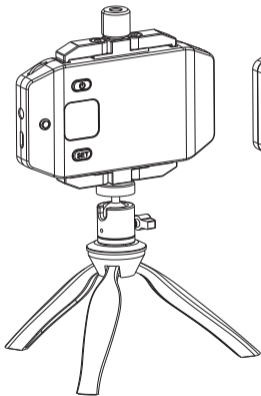
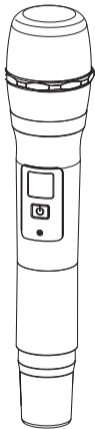
Instagram: Comica Audio

YouTube: Comica Audio

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Email: support@comica-audio.com

WS50

UHF无线麦克风



用户使用说明书

前言

感谢您购买科唛 WS50

产品主要功能

- .6频，工作距离可达100米 (有障碍或干扰环境50米)
- .内置可充电锂电池，一体式金属材质手机夹
- .LCD显示屏可显示频道及声音动态
- .无级音量可调，实时监听
- .可延展外接LED灯、手柄、脚架、冷靴等

注意事项

- .当搭配USB接口设备使用时，请自行购买相关转接器
- .该麦克风配合Android（安卓）系统的手机使用时，录音模式下均可正常工作，视频模式下部分手机会出现不兼容情况（此时建议使用第三方视频软件，如：乐秀，美拍，小影等）
- .该麦克风配合iOS系统（iPhone）的手机使用时，在录音及视频模式下均可正常工作
- .工作距离会受到周围环境的影响，使用过程中请尽量保持环境空旷无干扰
- .使用时接收器不要靠近其它的UHF频段发射器、无线电台等干扰设备

包装清单

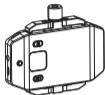
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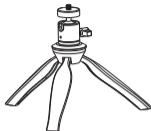
领夹式发射器(TX)



手持发射器(HTX)

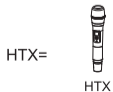
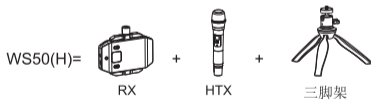
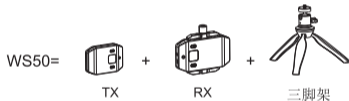


接收器(RX)



三脚架

购买选择:



配件:

1. 3.5mm麦克风音频输入线
2. TRS-TRS音频输出线
3. Micro USB充电线
4. 腰带夹
5. 防风毛
6. 便携包
7. 说明书
8. 保修卡



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③



④



⑤



⑥



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⑧

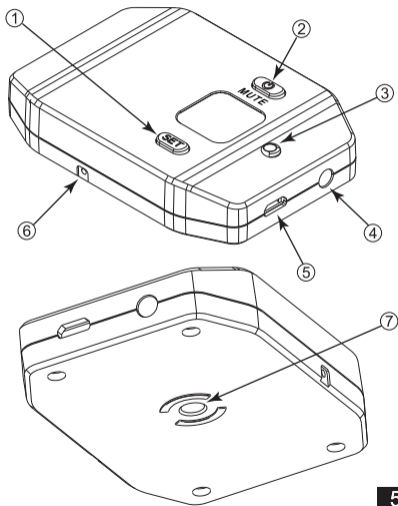
每一个搭配及配件包括:

WS50= ① + ② + ③ + ④ + ⑤ + ⑥ + ⑦ + ⑧

WS50(H)= ② + ③ + ⑥ + ⑦ + ⑧

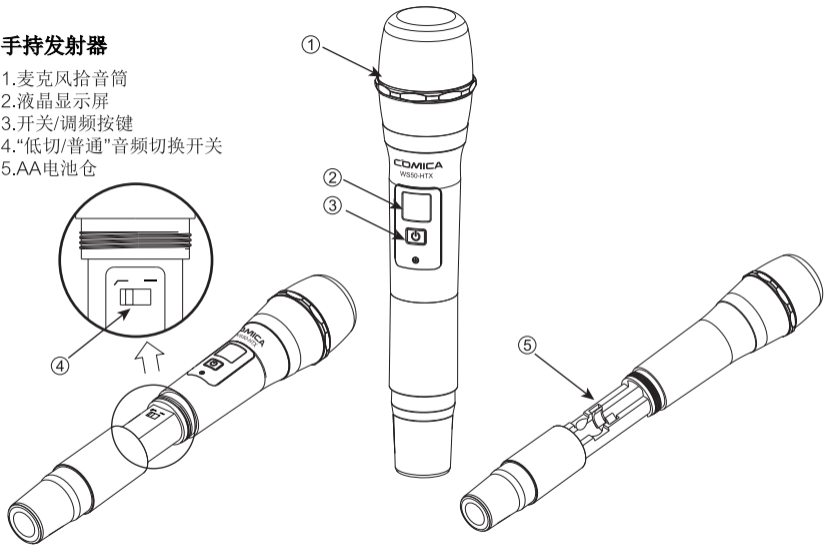
领夹式发射器

1. Set调频按键
2. 开关/静音按键
3. 工作状态指示灯
4. Mic/LINE 音频输入接口/复位孔
5. Micro USB 充电接口
6. 腰带夹插孔
7. 1/4螺口



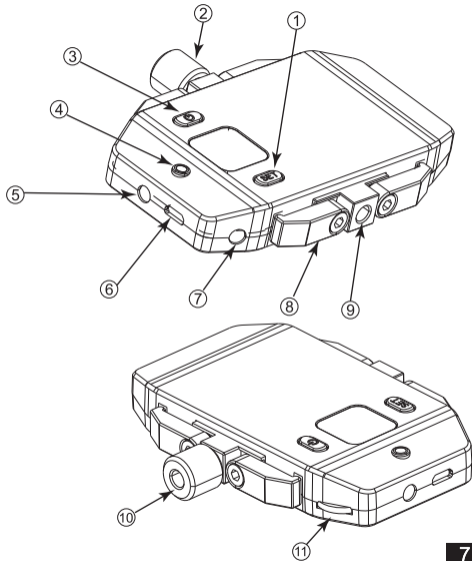
手持发射器

1. 麦克风拾音筒
2. 液晶显示屏
3. 开关/调频按键
4. “低切/普通”音频切换开关
5. AA电池仓



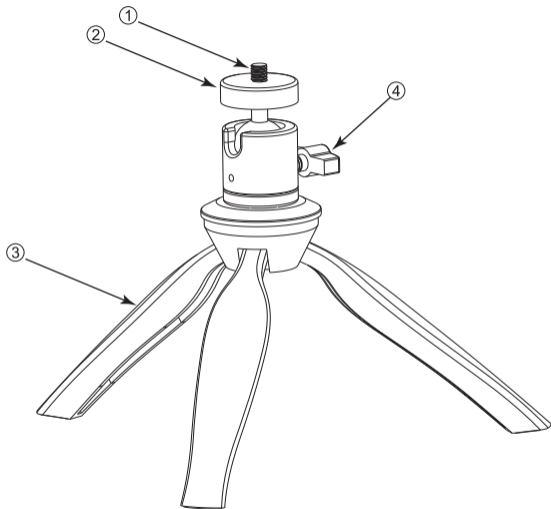
接收器

- 1.Set调频按键
- 2.调节螺母
- 3.开/关按键
- 4.工作状态指示灯
- 5.3.5mm音频输出接口/复位孔
- 6.Micro USB充电接口
- 7.3.5mm监听接口
- 8.手机固定夹
- 9.底部1/4螺口
- 10.顶部1/4螺口
- 11.音量调节旋钮



三脚架

- 1. 1/4螺牙
- 2. 调节螺盘
- 3. 可张缩脚架
- 4. 方向调节旋钮



按键说明

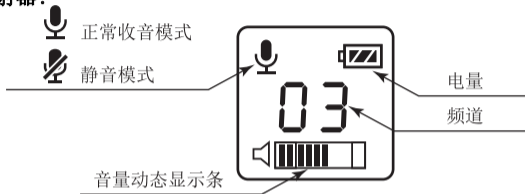
领夹式 发射器	 开关/静音按键	长按	开机/关机
	 Set按键	短按	静音（开背景灯后生效） 调频（开背景灯后生效）
	 MIC/LINE输入/ 复位孔	录音/功能复位	插入MIC LINE输入进行录音/ 插入复位细针进行复位
手持 发射器	 开关/调频按键	长按	开机/关机
	 “低切/普通”音频切换开关	短按	频道切换
		左推	低切
		右推	普通
接收器	 开关按键	长按	开机/关机
	 Set按键	短按	调频（开背景灯后生效）
	 音频输出孔/ 复位孔	音频输出/ 功能复位	插入音频输出线进行音频输出/ 插入复位细针进行复位
	 音量调节按键	左右轮播	调节音量大小

指示灯定义

领夹式 发射器	绿灯常亮	正常工作
	红灯常亮	静音
	红灯闪烁	电池低电
接收器	绿灯闪烁	未与发射器连接
	绿灯常亮	与发射器链接成功
	红灯闪烁	电池低电

屏显说明

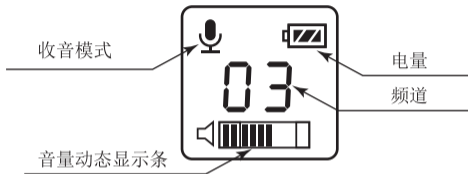
领夹式发射器:



手持发射器:

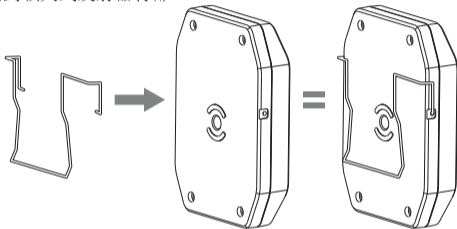


接收器：

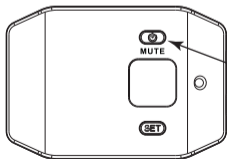


领夹式发射器：

1. 将腰带夹安装到领夹式发射器背部



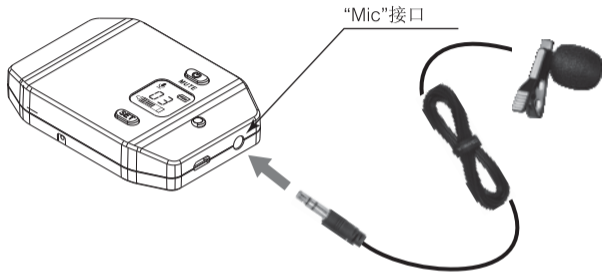
2. 长按电源开关打开领夹式发射器



电源/静音开关

👉 因环境需要如需静音，可短按“电源/静音开关”按键，进入静音模式

3. 将3.5mm音频输入线插入“Mic”接口

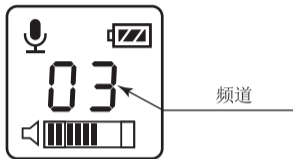
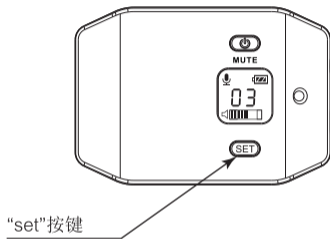


4. 将Mic对准音源，根据屏幕上的音量指示条检测发射器是否正常工作



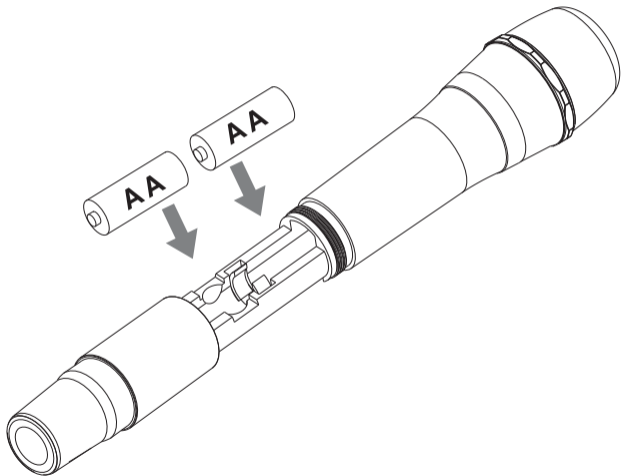
音量动态显示条

5. 短按set按钮选择频道

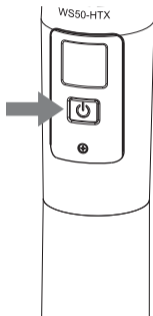


手持发射器：

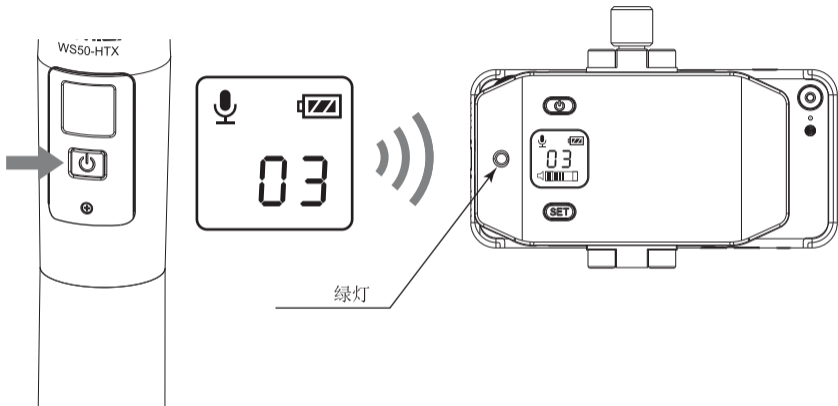
1. 将电池按正负极指示装入发射器电池仓



2. 长按电源开关打开手持发射器



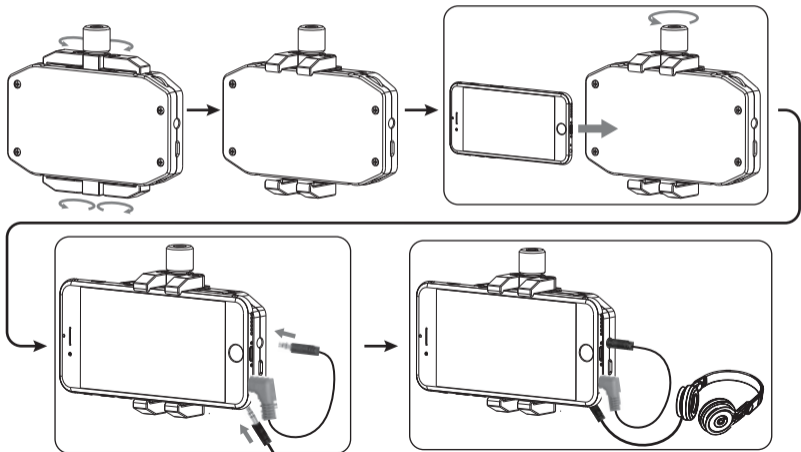
3. 短按电源键切换频道，将手持发射器与接收器设置成同一频道



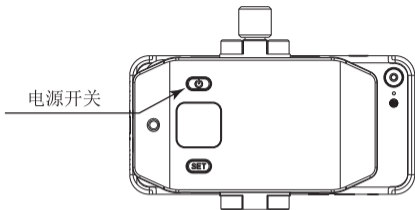
👉 接收器频道与手持发射器频道匹配成功后，绿灯亮

接收器：

1. 旋转手机夹的四个卡爪，逆时针旋转调整螺母至合适高度，将手机安装在卡槽内，将音频输出线一端（黑色）接入OUTPUT接口，另一端(灰色TRRS)接入手机音频输入接口；根据需要可将3.5mm耳机接入监听口进行实时监听



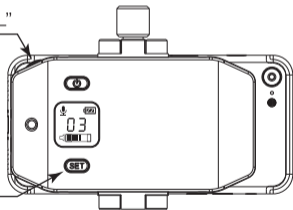
2. 长按电源开关打开接收器



3. 短按set设置频道与发射器一致，并通过音量调节按钮VOL将音量调至最佳状态

音量调节旋钮“VOL”

“set”按键



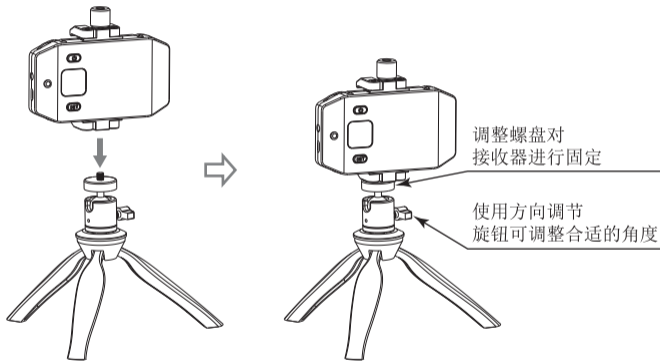
接收器频道



发射器频道

👉 接收器频道与手持发射器频道
匹配成功后，绿灯亮。

4.将接收器的1/4螺口与三脚架的螺牙相连，通过调整螺盘对接收器进行固定，按下方向调节开关可调整合适的角度



👉 顶部1/4螺口可外接补光灯等其他设备

领夹发射器:

天线	内置导线天线
麦克风指向性	全指向
麦克风频率响应	20Hz ~ 20kHz
系统信噪比	70dB
系统等效噪声	24dBA
声压级	100dB
动态范围	76dB
声音延迟	<20ms
音频失真	<0.5%
续航时间	8小时
电池	聚合物锂电 3.7V 1150mAh
充电接口	Micro USB
尺寸	85 x 59 x 16.3 mm
净重	62g
工作温度	0°C ~ +50°C
存储温度	-20°C ~ +60°C

手持发射器:

天线	PCB 天线
麦克风指向性	心型
麦克风频率响应	100Hz ~ 14kHz
系统信噪比	70dB
系统等效噪声	24dBA
声压级	140dB
动态范围	116dB
低切	160Hz
声音延迟	<20ms
音频失真	<0.5%
功耗	500mW
电池	两节 AA 电池
尺寸	$\Phi 53.5(\text{MAX}) \times 248\text{mm}$
净重	310g (不包含电池)
工作温度	0°C ~ 50 °C
存储温度	-20 °C ~ 60 °C

接收器:

接收灵敏度	<-90dBm
天线	内置导线天线
系统信噪比	70dB
系统等效噪声	24dBA
声音延迟	<20ms
音频失真	<0.5%
续航时间	8小时
电池	聚合物锂电 3.7V 1150mAh
充电接口	Micro USB
尺寸	104 x 57.6 x 16.3mm
净重	123g
工作温度	0°C ~ +50°C
存储温度	-20°C ~ +60°C

领夹发射器:

载波频率	520.00MHz ~ 526.00MHz
发射功率	15dBm
频道数	6

手持发射器HTX:

载波频率	520.00MHz ~ 526.00MHz
发射功率	15dBm
频道数	6

接收器:

载波频率	520.00MHz ~ 526.00MHz
频道数	6



扫二维码关注
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