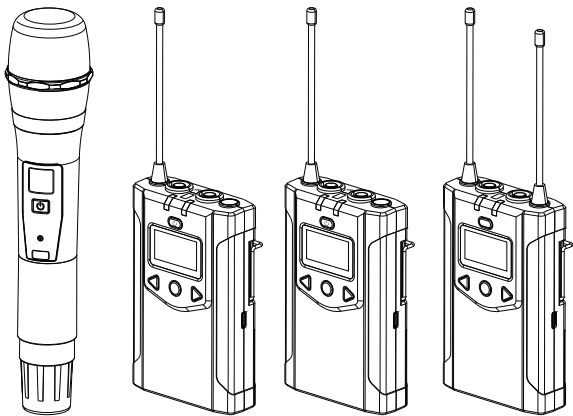


COMICA
PROFESSIONAL AUDIO EQUIPMENT

WM100 PLUS

UHF Wireless Microphone



User Manual

Technology Parameters

Lavalier Transmitter TX

Channels	48 x 2
Group A Wireless Frequency	568.125MHz ~ 579.875MHz
Group B Wireless Frequency	580.125MHz ~ 591.875MHz
Transmitting Power	10dBm /15dBm

Hand-held Transmitter HTX

Channels	48 x 2
Group A Wireless Frequency	568.125MHz ~ 579.875MHz
Group B Wireless Frequency	580.125MHz ~ 591.875MHz
Transmitting Power	10dBm /15dBm

Receiver RX

Channels	48 x 2
Group A Wireless Frequency	568.125MHz ~ 579.875MHz
Group B Wireless Frequency	580.125MHz ~ 591.875MHz
Receiver Sensitivity	<-95dBm

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Foreword

Thanks for purchasing COMICA WM100 PLUS

Main Features

- . Dual-channel Wireless Microphone, 48 Channels
- . Working Distance Up to 100m (Open Area)
- . Auto-scanning and IR Sync for Quick Channel Selection
- . M/S Switch, LCF, 16-Levels Adjusted Gain Control, Muting Functions
- . AA Batteries and External Power Supply
- . Support Real-time Monitor
- . Volume Dynamic Monitor
- . Adjusted RF Power
- . Lattice LCD Display, High Resolution

Notice

- ⚠ Transmitter should be used more than 10cm from Receiver, when the distance is less than 10cm, Receiver's wireless signal receiving part will take protect action to shut down wireless signal receiving, then audio may be intermittent, which is normal
- ⚠ When it needs to be used for a long time, it can be connected to the external power to realize charging while using. AC/DC power is not supported to avoid noise problem
- ⚠ When using auto IR sync, please stay within 30cm, otherwise the signal may be so weak that the sync will not be successful
- ⚠ In the case of stereo/mono mode switch, please preset the mode before using to avoid the transient interference caused by switching during usage
- ⚠ The antenna will affect the working distance. Please protect the antenna and avoid any man-made damage
- ⚠ The working distance will be affected by the surrounding environment. Please try to keep the environment open without interference during usage
- ⚠ When using this product in a short distance, it is recommended to set RF strength at 'LOW' to reduce the power consumption
- ⚠ For smartphone shooting, customers must separately purchase a TRS-TRRS audio converting cable (It does not support the partial Default Video Mode of android systems, the third-party APP is recommended to be used in this case)

Packing List

Main Parts:



Lavalier Transmitter (TX)



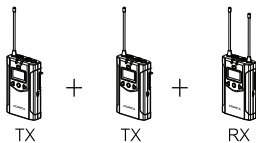
Hand-held Transmitter (HTX)



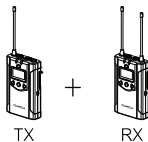
Receiver (RX)

Purchase Options:

WM100 PLUS(A) = 2TX + RX



WM100 PLUS(C) = TX + RX



WM100 PLUS HTX:



Accessories:

- ① 3.5mm Mic Audio Input Cable
- ② 3.5mm-3.5mm Audio Output Cable
- ③ 3.5mm-XLR Audio Output Cable
- ④ Belt Clip
- ⑤ Camera Mount
- ⑥ Wind Muff
- ⑦ USB-C to USB-A Charging Cable
- ⑧ Portable Bag
- ⑨ User Manual
- ⑩ Warranty Card



The accessories of each combination include:

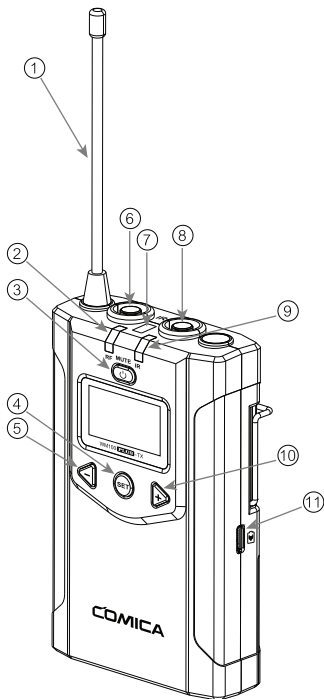
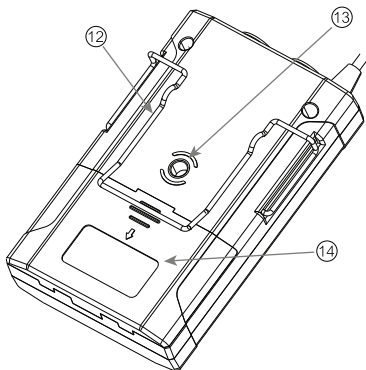
WM100 PLUS(A) = ① X2 + ② + ③ + ④ X3 + ⑤ + ⑥ X2 + ⑦ + ⑧ + ⑨ + ⑩

WM100 PLUS(C) = ① + ② + ③ + ④ X2 + ⑤ + ⑥ + ⑦ + ⑧ + ⑨ + ⑩

Components

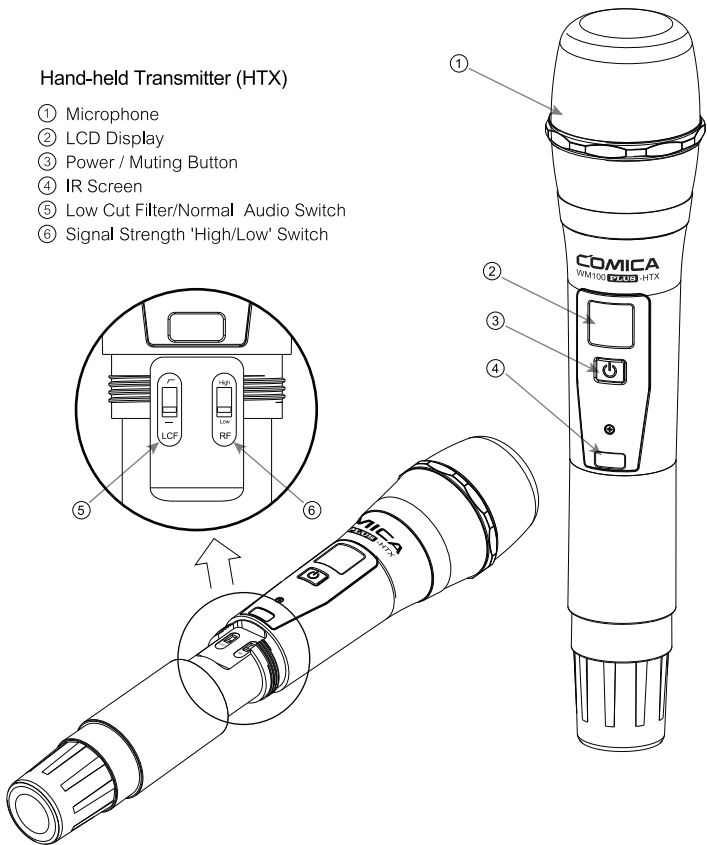
Lavalier Transmitter (TX)

- ① Antenna
- ② Working Status Indicator
- ③ On-off / Muting Button
- ④ SET Function Menu
- ⑤ Function Selection Button -
- ⑥ LINE IN External Input
- ⑦ IR Sensor
- ⑧ Mic External Input
- ⑨ IR Status Indicator
- ⑩ Function Selection Button +
- ⑪ USB-C Port for External Power Supply
- ⑫ Belt Clip
- ⑬ 1/4 Treaded Hole
- ⑭ Battery Tray



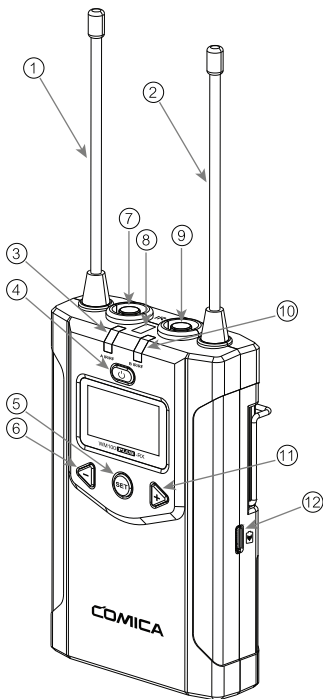
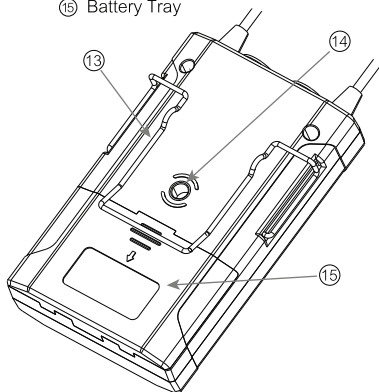
Hand-held Transmitter (HTX)

- ① Microphone
- ② LCD Display
- ③ Power / Muting Button
- ④ IR Screen
- ⑤ Low Cut Filter/Normal Audio Switch
- ⑥ Signal Strength 'High/Low' Switch















Receiver (RX)

- ① Group A Antenna
- ② Group B Antenna
- ③ Group A Working Status Indicator
- ④ On-Off Button
- ⑤ SET Function Button
- ⑥ Function Selection Button -
- ⑦ 3.5mm Audio Input Jack
- ⑧ IR Sensor
- ⑨ 3.5mm Monitoring Jack
- ⑩ Group B Working Status Indicator
- ⑪ Function Selection Button +
- ⑫ USB-C Port for External Power Supply
- ⑬ Belt Clip
- ⑭ 1/4 Treaded Hole
- ⑮ Battery Tray




Function Button Instruction

Lavalier Transmitter / Receiver  	Power / Muting Button 	Long Press	Power On / Off
		Short Press	Muting Mode (It is available only when light up the screen)
	SET Function Menu 	Long Press	Enter the function adjustment menu
		Short Press	1.Confirm the selected function 2.Exit the function adjustment menu
	+ Button 	Short Press	Function Adjustment (+)
- Button 	Short Press	Function Adjustment (-)	
Hand-held Transmitter 	Power / Muting Button 	Long Press	Power On / Off
		Short Press	Muting Mode (It is available only when light up the screen)
	'Low cut/ Normal' Sound Switch 	Push-up	Low cut
		Push-down	Normal
	Signal Strength 'High/Low' Switch 	Push-up	Signal strength--high
	Push-down	Signal strength--low	

-  Low cut function:
Cut the low frequency part and reduce the noise to make the sound more clear.
-  Signal strength high/low switching effect:
With high signal strength, the working distance is up to 60-100m, but high power consumption bring short battery life.
With low signal strength, the working distance is up to 30-60m, but low power consumption bring long battery life.

Indicator Light Instruction

Transmitter	RF	Green Light Keeps On	Normal Recording Status (This state is only for the transmitter, when the channel matches successfully, the receiver can pick up the sound)
		Red Light Keeps On	Muting Mode
		Red Light Flicker	Low-power reminder
	IR	Green Light Keeps On	Channel matches (No matter the channel matches or not)
		Red Light Flicker	Channel in the match... (only for IR Sync)
Receiver	A IR/RF	Green Light Keeps On	Normal working status after the channel matches
		Green Light Flicker	Channel doesn't match
	B IR/RF	Red Light Flicker	Channel in the match... (only for IR Sync)
			Low-power reminder
		Red light keeps on	Group closed

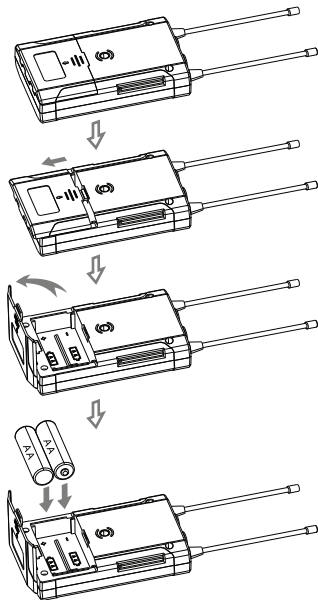
-  A IR/RF: Group A Working Status Indicator
- B IR/RF: Group B Working Status Indicator

Preparation Before Usage (Transmitter Operating Steps same with Receiver)

1. Prepare Power Supply

There're two ways of Power Supply, you can optionally choose AA batteries or External Power

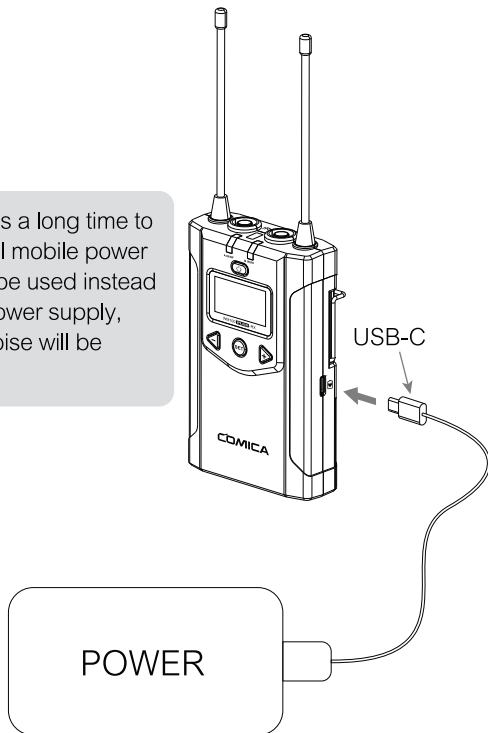
- 1.1 Install two AA batteries into the battery tray according to their positive and negative electrode



1.2 External Power Supply

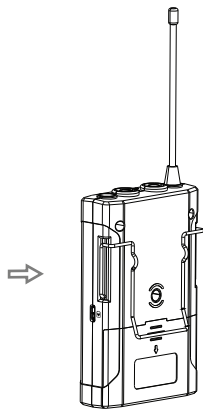
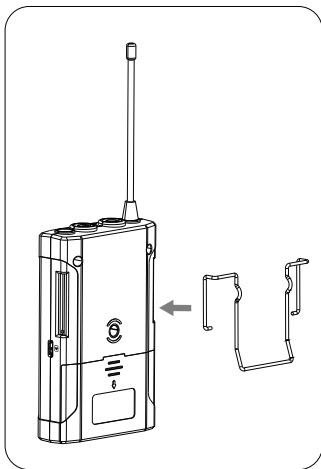
Insert the USB-C end of the charging cable to the USB-C charging port to realize external power supply

☞ When it takes a long time to use, external mobile power supply can be used instead of AC-DC power supply, otherwise noise will be introduced



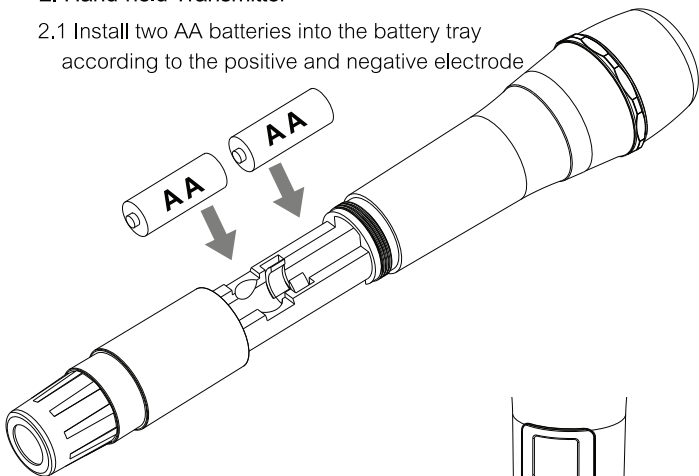
1.3. Belt Clip Installation

Please install the belt clip according to the illustration

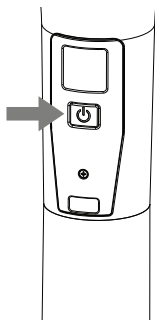


2. Hand-held Transmitter

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



2.2 Long press the button switch to turn on the hand-held transmitter

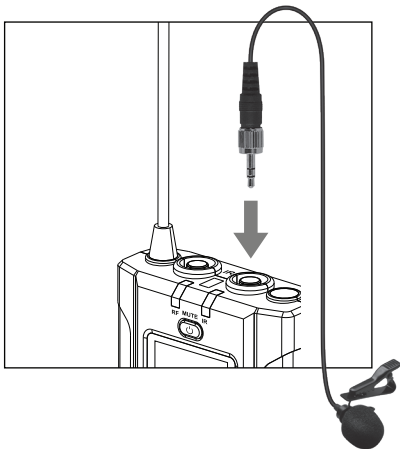


2.3 After the channel matched with the receiver, it can be used

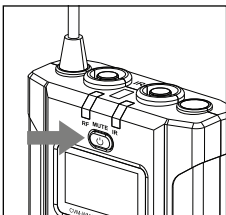
 Please refer to screen operation instruction for channel matching.

3. Lavalier Transmitter Installation

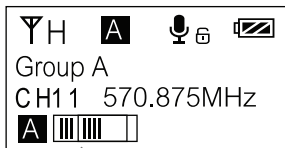
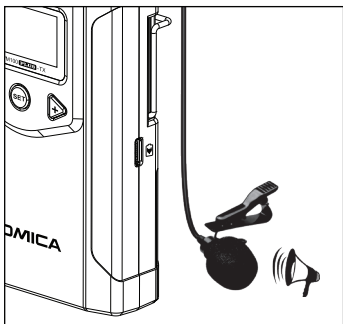
3.1 Insert the 3.5mm audio input cable into MIC socket



3.2 Long press the power button to turn on the transmitter




3.3 Target the MIC to the audio source and check the working status according to the volume indicator on the screen



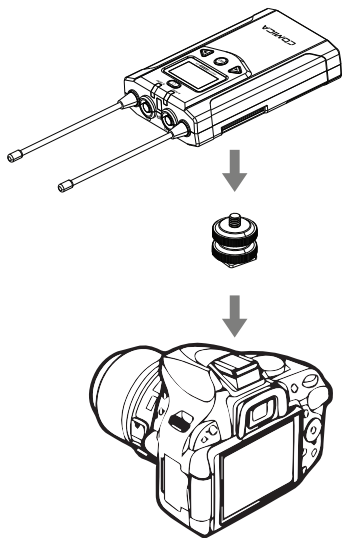
Audio Dynamic Display Bar

3.4 After the channel matching with the receiver, it can be used

 Please refer to screen operation instruction for channel matching.

4. Receiver Installation

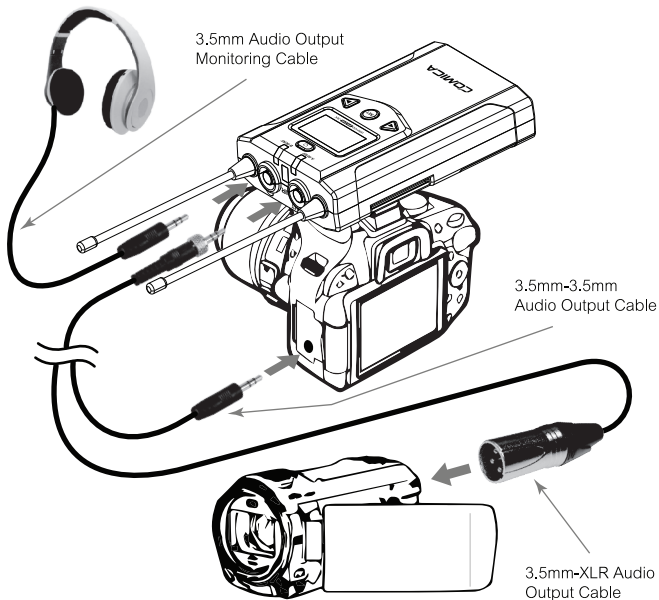
4.1 Connect receiver to your video equipment through the camera mount



4.2 Connect the receiver to the camera or camcorder through the 3.5mm-3.5mm audio output cable, plug the headphone into the 3.5mm monitoring interface for real-time monitoring, then long press the power button to turn on the receiver



Most DSLR cameras has 3.5mm port, if you use the XLR camcorder, you need to use the 3.5mm-XLR audio output cable.

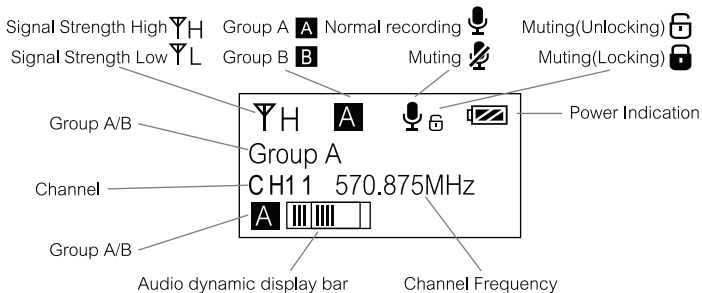


4.3 After the channel matching with the receiver, it can be used

👉 Please refer to screen operation instruction for channel matching.


Lavalier Transmitter

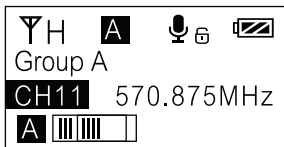
Screen Display Instruction





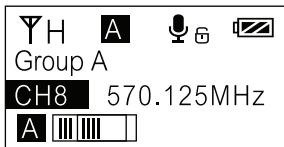
Operation Instruction

1.Manually Adjust the Channel of Transmitter

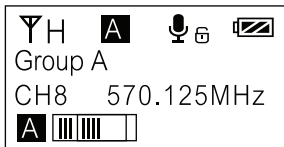
1.1 Long press  button to CH setting display page



1.2 Short press   button to select the channel

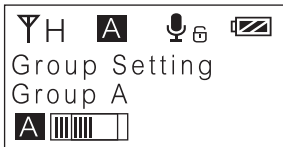


1.3 Short press  button to confirm

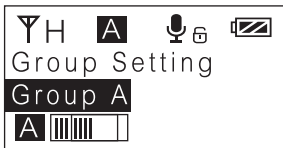


2.Group A/B Selection

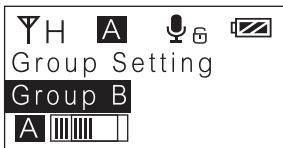
2.1 Press   button to 'Group Setting' display page



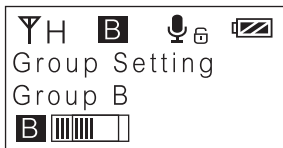
2.2 Long press  button to 'Group Setting' setting page



2.3 Press   button to select the group

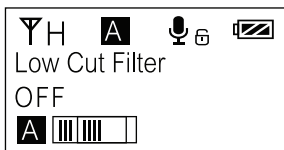


2.4 Short press  button to confirm

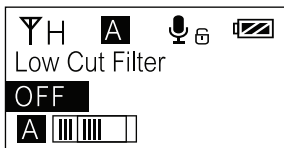




3. Low Cut Filter 'Low/High/OFF' Adjustment

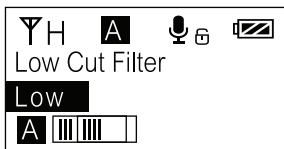
3.1 Press   button to 'Low Cut Filter' display page




3.2 Long press  button to enter 'Low Cut Filter' setting page





3.3 Press   button to select LCF 'Low/High/OFF'

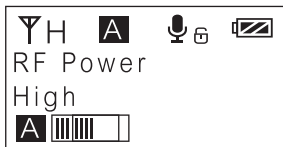



3.4 Short press  button to confirm

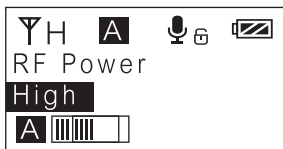
 Low-cut function will filter out the low-frequency part of the audio source, such as the chirping and crowd noise, and the main audio source will be more crisp. Low cut be divided into low cut in low range and low cut in high range, low range is to filter out part of the noise, while high range of low cut filter out all noise. Turn off the low cut to restore the true, the main source will be more vigorous, but it can be adjusted according to actual needs.



4. Transmitting Signal Strength 'High/Low' Adjustment

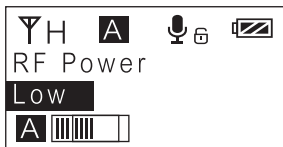
4.1 Press   button to 'RF Power' display page



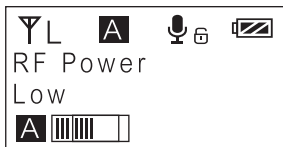
4.2 Long press  button to 'RF Power' setting page





4.3 Press   button to adjust the transmitting signal strength



4.4 Short press  button to confirm

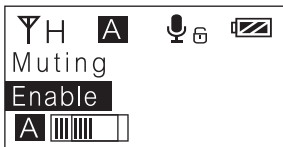


5. Muting Mode Enable / Disable

5.1 Press   button to 'Muting' display page



5.2 Long press  button to 'Muting' setting page






5.3 Press   button to select Muting Mode Enable/ Disable




5.4 Short press  button to confirm



 When set to 'Disable', the muting control function cannot be used, the icon is: 


When set to 'Enable', the muting control function works, the icon is: 

The muting mode can be controlled only when the screen is on, press any button to light the screen and then press the  button to switch the muting mode.



6.Backlight 'Lighting Time/Turn Off' Adjustment

6.1 Short Press   button to 'Backlight' display page



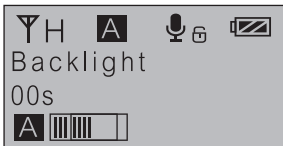
6.2 Long press  button to 'Backlight' setting page





6.3 Short press   button to adjust the backlight lighting time or you can turn it off for power saving




6.4 Short press  button to confirm





7. Reset to Defaults

7.1 Press   button to 'Reset' display page



7.2 Long press  button to enter 'Reset' setting page



7.3 Short press   button to select whether to restore factory Settings



7.4 Short press  button to confirm and restore factory setting

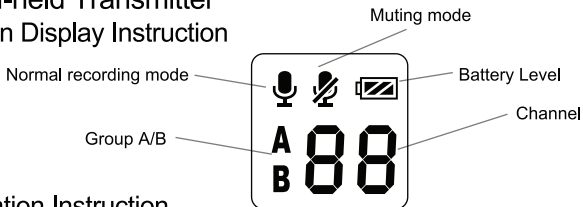


8. Version

8.1 Press   button to 'Version' display page to check the version




Hand-held Transmitter Screen Display Instruction





Operation Instruction

1. Turn on and Muting Mode Switch

1.1 Long press  switch button for 2 seconds to turn on or off

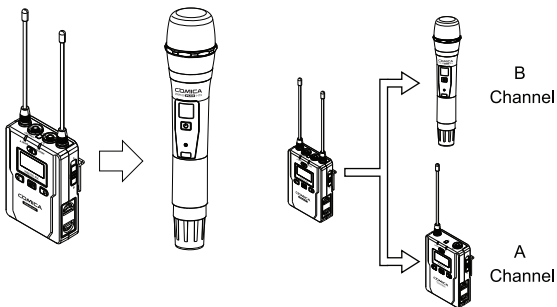
1.2 When the transmitter turned on, short press the  button to select muting mode



 The muting mode can be controlled only when the screen is on, pressing any button to light the screen and then press the  button to switch the muting mode.

2. Pair Through Infrared Sync

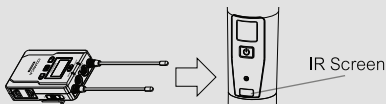
2.1 Set the channel through infrared sync



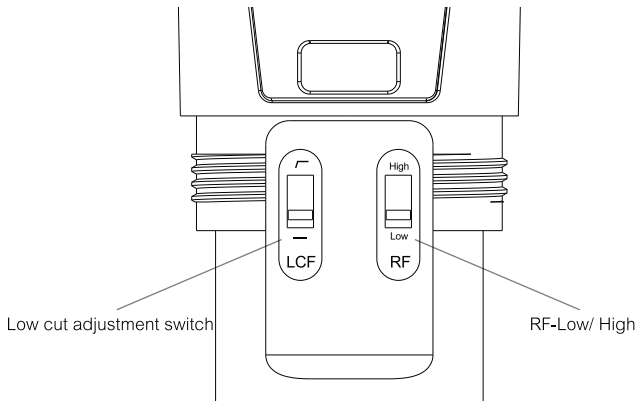
☞ The hand-held transmitter defaults to channel B, and you can set the group and channel through the receiver (For example, If Group A of the receiver is used for the matching, after matched, it will be: Group A CHXX; If Group B of the receiver is used for the matching, after matched, it will be: Group B CHXX)

When the hand-held transmitter and the lavalier transmitter are used together, you should set them to different group

☞ During matching, don't shield the infrared receiving screen of the transmitter

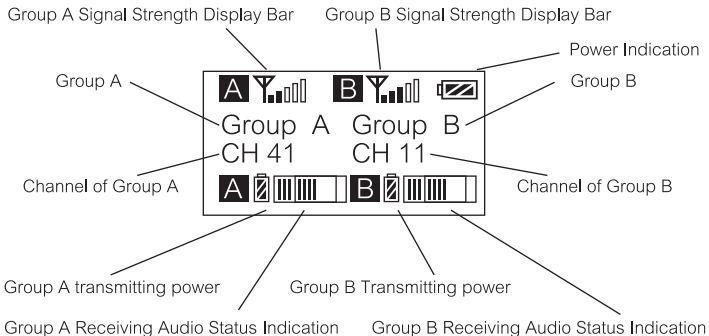


2.2 Function switch



Receiver


Screen Display Instruction

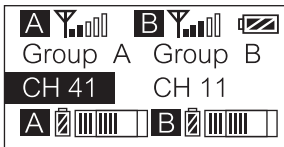


When Group A/B is on, the background color of the channel display icon is black;
When Group A/B is off, the channel display icon is transparent and no background color.

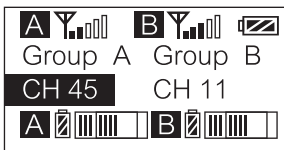
Operation Instruction

1. Manually Adjust the Channel of Group A/ Group B

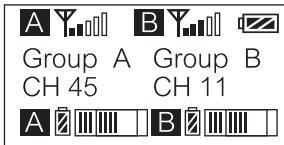
- 1.1 Long press  button to 'CH' display page of Group A, and short press again to switch to 'CH' display page of Group B.




- 1.2 Short press   button to select the channel

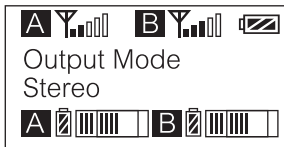



- 1.3 Short press  button to confirm

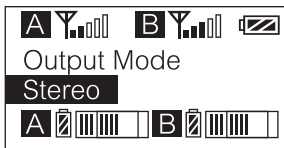





2.Audio Output Mode 'Stereo/Mono' Adjustment

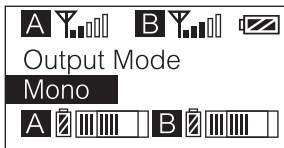
2.1 Press   button to 'Output Mode' display page




2.2 Long press  button to 'Output Mode' setting page




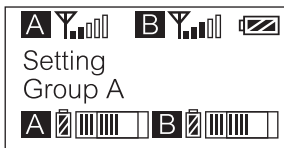
2.3 Press   button to select Mono/ Stereo Output Mode, Short press  button to confirm



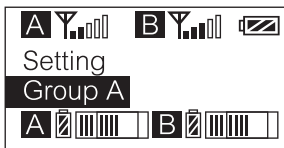
 When there is one group working (Group A or Group B), the output of receiver is only MONO mode.

3.Group A/B Function Setting

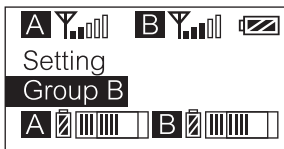
3.1 Press   button to 'Setting' display page



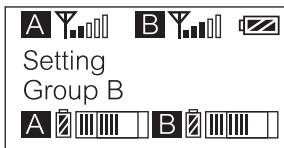
3.2 Long press  button to 'Group A/B Selection' Setting Page





3.3 Press   button to select Group A/B

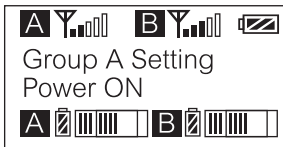


3.4 Short press  button to confirm

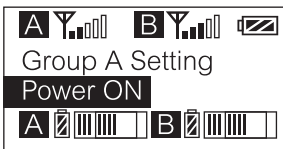


4.Group A/B 'On/Off' Adjustment

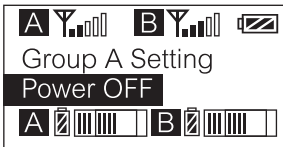
4.1 Short Press   button to 'Group A Setting', display page
Power ON



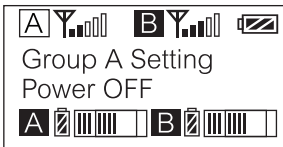
4.2 Long press  button to 'Setting' setting page



4.3 Short Press   button to select 'Power Off' or not

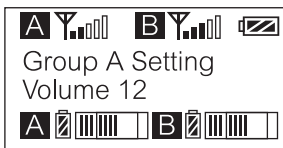


4.4 Short press  button to confirm

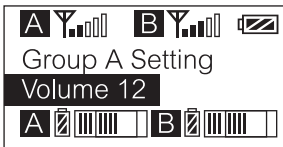


5.Group A/B Volume Adjustment

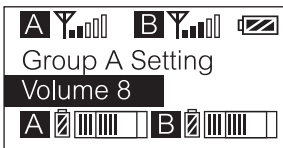
5.1 Short Press ◀▶ button to 'Group A Setting Volume' display page



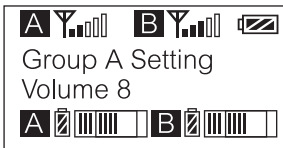
5.2 Long press **SET** button to 'Volume' setting page



5.3 Short Press ◀▶ button to adjust the volume

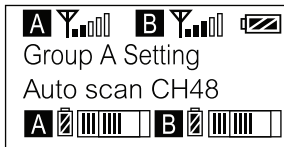





5.4 Short press **SET** button to confirm

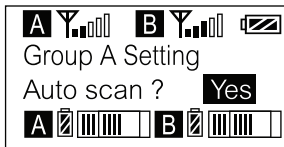



6. Group A/B Automatic Channel Scan

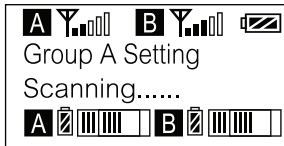
6.1 Short Press   button to 'Auto Scan' display page



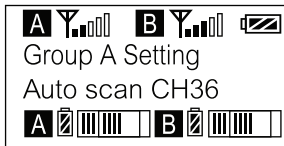
6.2 Long press  button to enter 'Auto Scan' display page, and short press   button to select whether to auto scan





6.3 Short press  button to 'Scanning.....'

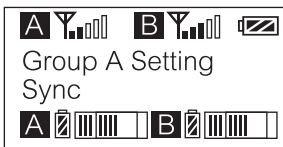


6.4 The best channel will be used after scanning

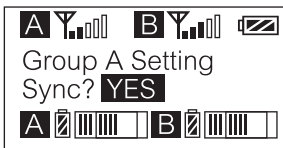


7.Group A/B IR Sync

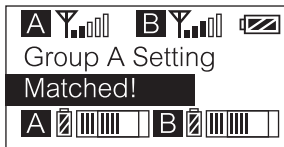
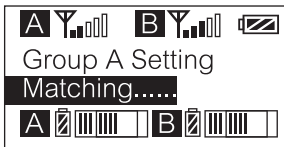
7.1 Short Press   button to 'Group A Setting Sync' display page




7.2 Long press  button for IR Matching with transmitter



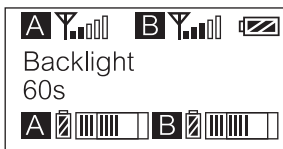
7.3 Use the   button to select whether to match, and short press  to confirm



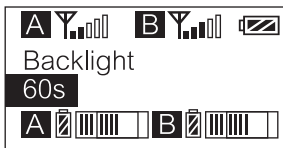
 While in IR matching, please make sure the IR sensor of transmitter and receiver point to point within 30cm, otherwise it may not succeed.



8. Backlight 'Lighting Time/Turn Off' Adjustment

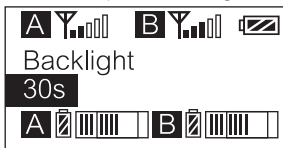
8.1 Short Press   button to 'Backlight' display page



8.2 Long press  button to 'Backlight' setting page




8.3 Short press   button to adjust the backlight lighting time or you can turn it off for power saving

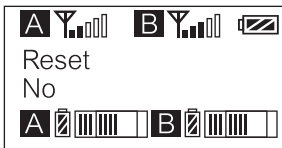


8.4 Short press  button to confirm

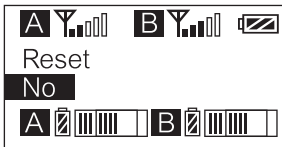




9. Reset to Defaults

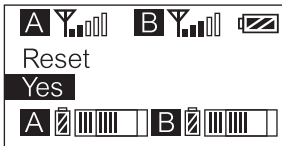
9.1 Press   button to 'Reset' display page



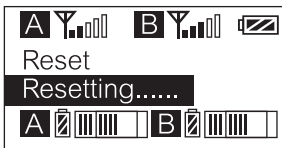
9.2 Long press  button to enter 'Reset' setting page




9.3 Short press   button to select whether to restore factory Settings

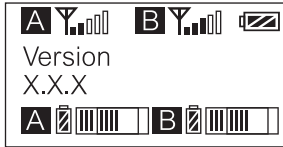


9.4 Short press  button to confirm and restore factory setting



10. Version

10.1 Press   button to 'Version' display page to check the version



Lavalier Transmitter TX

Antenna	1/4 Wavelength Wire Antenna
Polar Pattern	Omni-directional Pattern
Frequency Response	20Hz ~ 20kHz
S/N	70dB
Equivalent Noise	24dBA
Maximum SPL	100dB
Dynamic Range	76dB
Low Cut	80Hz / 160Hz
Latency	<20ms
Audio Distortion	<0.5%
Consumption	High Transmitting Power: 550mW Low Transmitting Power: 300mW
Battery	2×AA Battery
External Power Supply	5V/1A
Dimension	107 x 66 x 26mm
Net Weight	81g (Exclude Battery)
Working Temperature	0℃ ~ +50℃
Storage Temperature	-20℃ ~ +60℃

Hand-held Transmitter HTX

Antenna	PCB Antenna
Polar Pattern	Cardioid Pattern
Frequency Response	100Hz ~ 14kHz
S/N	70dB
Equivalent Noise	24dBA
Maximum SPL	140dB
Dynamic Range	116dB
Low Cut	160Hz
Latency	<20ms
Audio Distortion	<0.5%
Consumption	High Transmitting Power: 500mW Low Transmitting Power: 280mW
Battery	2×AA Battery
Dimension	Φ 53.5(MAX) x 253mm
Net Weight	340g
Working Temperature	0℃ ~ 50℃
Storage Temperature	-20℃ ~ 60℃

Receiver RX

Antenna	1/4 Wavelength Wire Antenna
S/N	70dB
Equivalent Noise	24dBA
Latency	<20ms
Audio Distortion	<0.5%
Consumption	Dual Channel: 460mW Single Channel: 260mW
Battery	2×AA Battery
External Power Supply	5V/1A
Dimension	107 x 66 x 26mm
Net Weight	87g (Exclude Battery)
Working 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

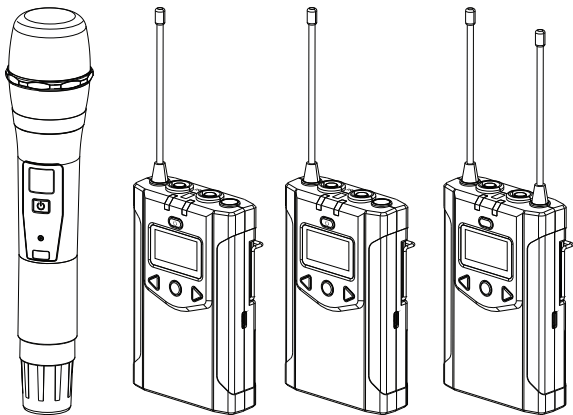
The COMICA LOGO is a trademark which is registered and owned by Commlite Technology Co.,Ltd

Email: support@comica-audio.com

COMICA 科
PROFESSIONAL AUDIO EQUIPMENT 唛

WM100 PLUS

UHF无线麦克风



用户使用手册

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前 言

感谢您购买COMICA/科唛 WM100 PLUS

产品主要功能

- 双通道无线麦克风，48频
- 拾音距离高达100m（空旷距离）
- 自动频道扫描、红外对码
- M/S切换、低切、16级音量可调、静音等多种功能
- 可实时监听
- AA电池供电，可接外部电源供电
- 音量动态监测
- RF发射信号强度可调
- LCD点阵屏、高清易视

注意事项

- ⚠ 正常使用时发射器应距离接收器10cm以上，当小于10cm时，接收器的无线信号接收部分将会进行保护动作，从而关闭无线信号接收，音频可能出现间断，此为正常现象
- ⚠ 当需要长时间使用时，可连接外部移动电源实现边充边用；不支持AC/DC电源供电，否则会产生噪音
- ⚠ 进行红外对码时，请保持在30cm 距离之内，否则可能会导致通讯过弱、对码不成功
- ⚠ 进行立体声/单声道切换时，请在使用前提前设置好，避免在使用过程中切换带来的短暂电流干扰
- ⚠ 天线会影响工作距离，请保护好天线并勿进行人为损坏
- ⚠ 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
- ⚠ 近距离使用该产品时，建议将此产品RF强度设置为“LOW”，可降低功耗增强续航
- ⚠ 用于手机拍摄时，客户须单独购买TRS-TRRS音频转换线
(不支持部分安卓系统默认模式下的录音系统，建议此时于第三方APP模式下使用)

包装清单

主体:



领夹发射器 (TX)



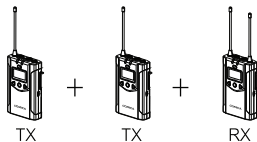
手持发射器 (HTX)



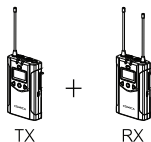
接收器 (RX)

搭配选择:

WM100 PLUS(A) = 2TX + RX



WM100 PLUS(C) = TX + RX



WM100 PLUS HTX:



配件:

- ① 3.5mm MIC音频输入线
- ② 3.5mm-3.5mm 音频输出线
- ③ 3.5mm-XLR 卡侬头音频输出线
- ④ 腰带夹
- ⑤ 相机固定座
- ⑥ 防风毛
- ⑦ USB C-USB A 充电线
- ⑧ 便携包
- ⑨ 说明书
- ⑩ 保修卡



每一个型号的配件包括:

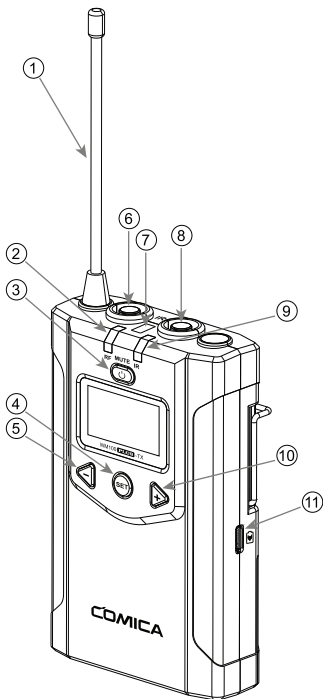
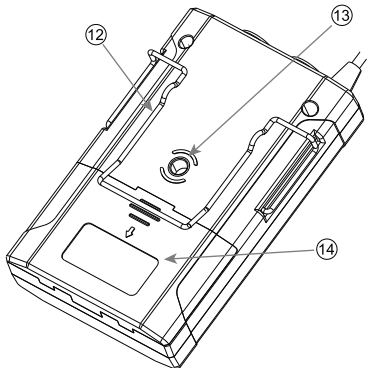
WM100 PLUS(A) = ① X2 + ② + ③ + ④ X3 + ⑤ + ⑥ X2 + ⑦ + ⑧ + ⑨ + ⑩

WM100 PLUS(C) = ① + ② + ③ + ④ X2 + ⑤ + ⑥ + ⑦ + ⑧ + ⑨ + ⑩

部件说明

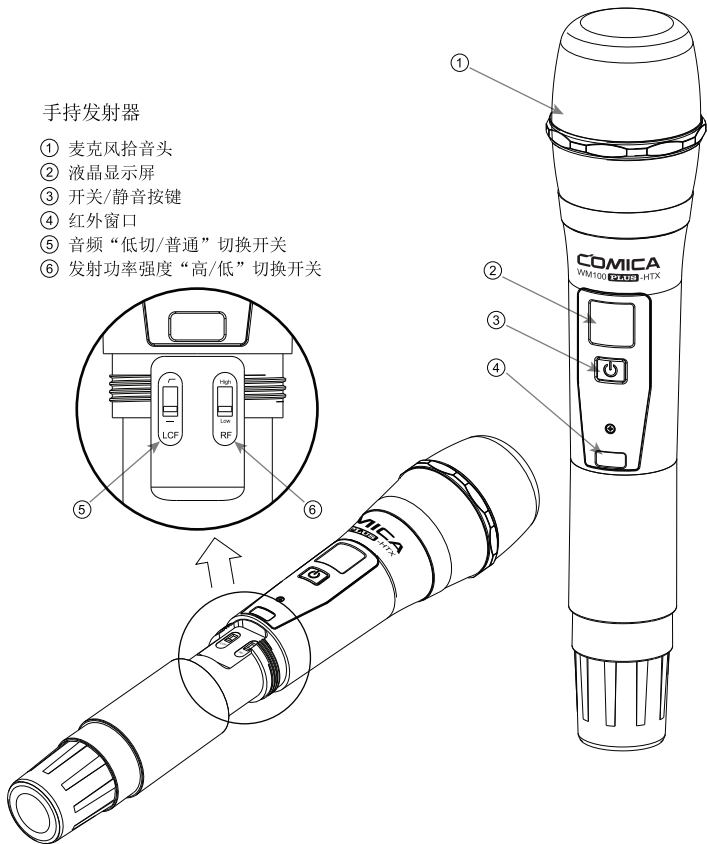
领夹发射器

- ① 天线
- ② 发射及工作状态指示灯
- ③ 开关/静音按键
- ④ SET功能菜单选项
- ⑤ 功能调节按键 -
- ⑥ LINE IN 输入接口
- ⑦ 红外对码窗
- ⑧ MIC输入接口
- ⑨ 对码状态指示灯
- ⑩ 功能调节按键 +
- ⑪ 外部供电USB-C接口
- ⑫ 腰带夹
- ⑬ 1/4螺孔
- ⑭ 电池仓



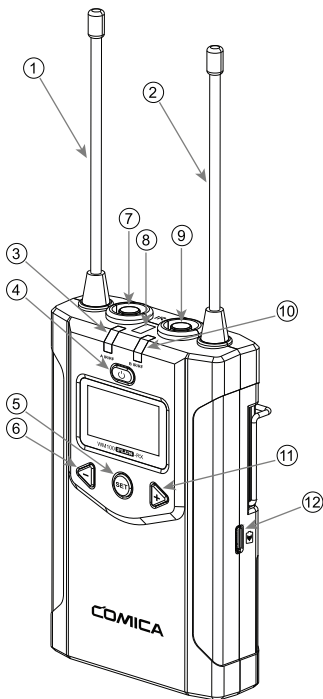
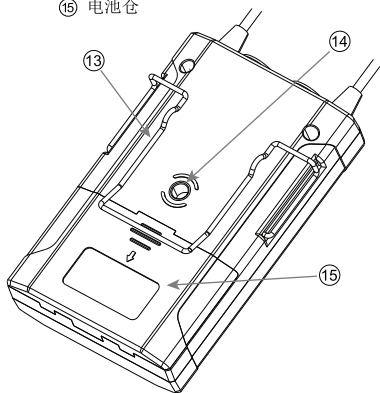
手持发射器

- ① 麦克风拾音头
- ② 液晶显示屏
- ③ 开关/静音按键
- ④ 红外窗口
- ⑤ 音频“低切/普通”切换开关
- ⑥ 发射功率强度“高/低”切换开关













接收器

- ① A通道天线
- ② B通道天线
- ③ A通道工作状态指示灯
- ④ 开/关按键
- ⑤ SET功能菜单选项
- ⑥ 功能调节按键 -
- ⑦ 3.5mm 音频输出接口
- ⑧ 红外对码窗
- ⑨ 3.5mm 监听接口
- ⑩ B通道工作状态指示灯
- ⑪ 功能调节按键 +
- ⑫ 外部供电USB-C接口
- ⑬ 腰带夹
- ⑭ 1/4螺孔
- ⑮ 电池仓



按键说明

领夹发射器 /接收器  	开关/静音 按键 	长按 开机 / 关机 短按 静音 （静音功能须在屏幕点亮后才能开启生效）
	SET 功能菜单选项 	长按 进入功能调节菜单 短按 1. 确定所选功能 2. 退出功能调节菜单
	功能调节按键+ 	短按 功能调节 (+)
	功能调节按键- 	短按 功能调节 (-)
	手持发射器 	开关/静音 按键 
音频“低切/普通”切换开关 	上推 低切 下推 普通	
发射功率强度“高/低”切换开关 	上推 功率强度高 下推 功率强度低	

👉 低切功能作用：

针对声音低频部分进行适当切除，降低低频部分环境噪音，使声音更加干净清晰；

👉 信号强度 高/低 切换作用：

信号强度高时，无线工作距离可达60-100m，功耗较高，电池使用时间短；
信号强度低时，无线工作距离可达30-60m，功耗较低，电池使用时间长；

指示灯定义

领夹 发射器	RF	绿灯长亮	正常录音状态 (此状态仅针对发射器，频道匹配成功后，接收器方可拾音)
		红灯长亮	静音状态
		红灯闪烁	低电量提醒
	IR	绿灯长亮	频道配对后 (无论是否匹配成功)
		红灯闪烁	频道配对中... (仅限红外对码时)
	接收器	A IR/RF	绿灯长亮
绿灯闪烁			频道匹配不成功
B IR/RF		红灯闪烁	频道配对中... (仅限红外对码时)
			低电量提醒
		红灯长亮	通道关闭

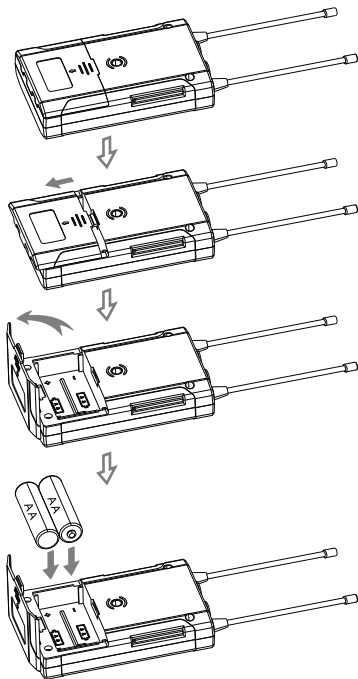
👉 A IR/RF： A通道工作状态指示灯

B IR/RF： B通道工作状态指示灯

使用前准备（发射器与接收器方式相同）

1. 两种供电方式的选择：

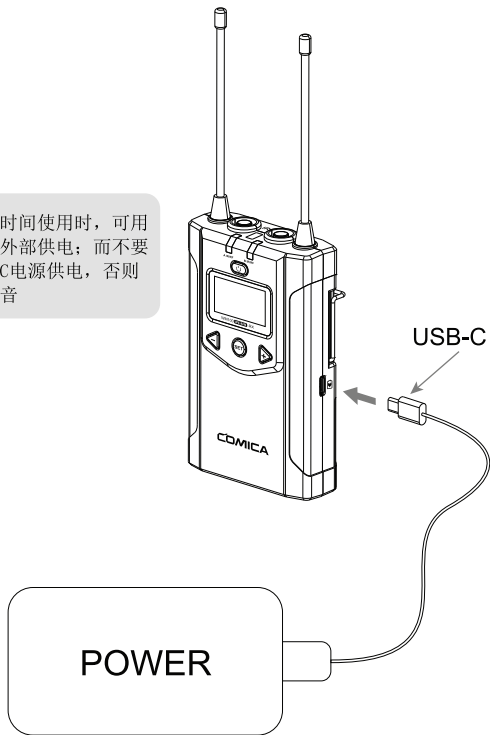
1.1 将AA电池按照正负极指示装入电池仓



1.2 使用外部电源供电

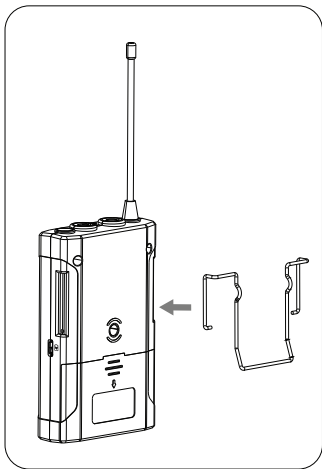
把外部电源通过USB线插入机器“外部供电USB-C接口”进行连接即可

☞ 当需要长时间使用时，可用移动电源外部供电；而不要使用AC-DC电源供电，否则会引入噪音



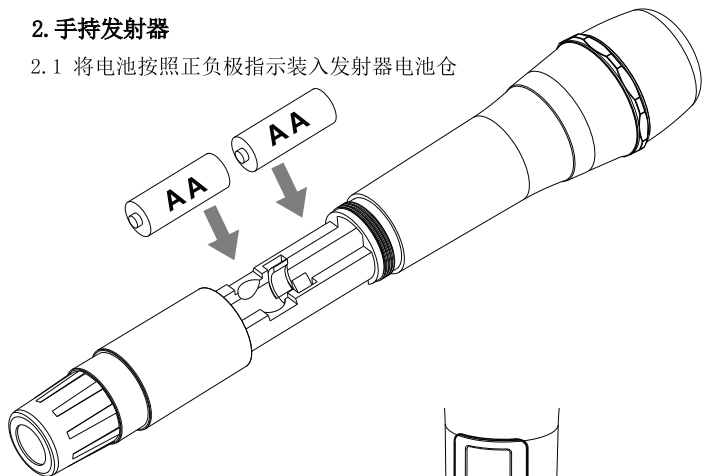
1.3 腰带夹安装

如需要腰带夹安装使用方式，请正确安装腰带夹即可

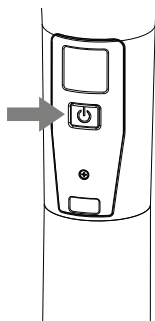


2. 手持发射器

2.1 将电池按照正负极指示装入发射器电池仓



2.2 长按电源开关打开手持发射器

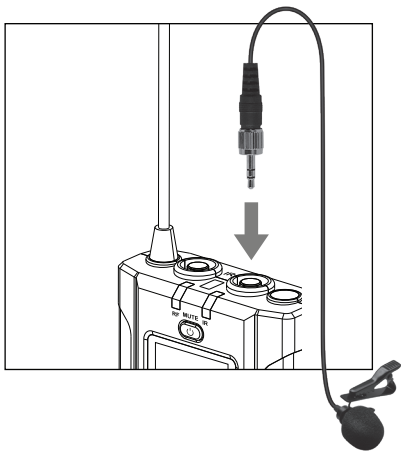


2.3 与接收器进行频道匹配成功后，即可使用

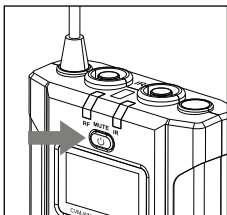
 频道匹配请见屏幕操作部分

3. 发射器安装

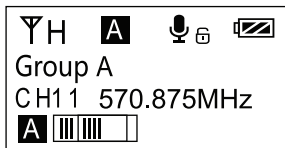
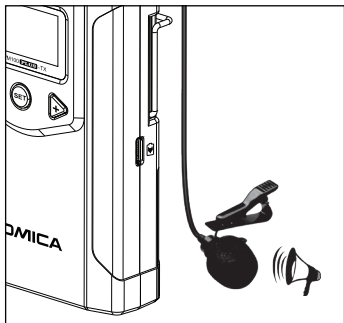
3.1 把3.5mm 音频输入线插入MIC插口



3.2 长按电源开关打开发射器




3.3 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



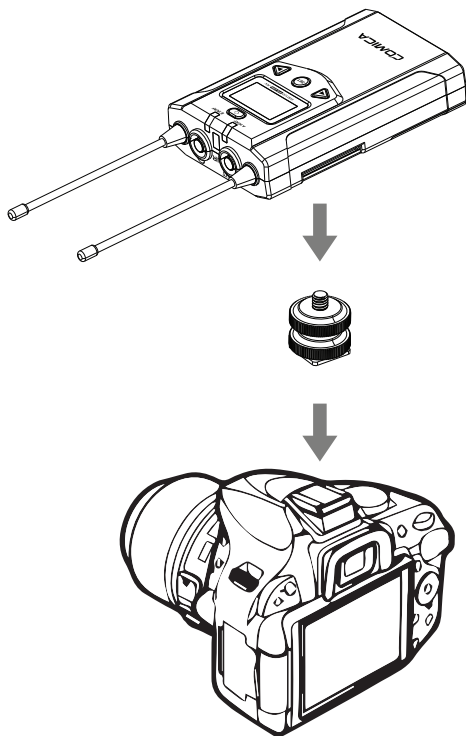
音频动态显示条

3.4 与接收器进行频道匹配成功后，即可使用

 频道匹配请见屏幕操作部分

4. 接收器安装

4.1 通过相机固定座把接收器与录影设备连接



4.2 通过3.5mm-3.5mm 音频输出线插入OUTPUT接口把接收器与录影设备连接，把耳机插入3.5mm 监听接口进行实时监听，长按电源开关打开接收器

☞ 大多数DSLR相机使用的是3.5mm接口，如果使用XLR类型接口的摄像机，需要使用3.5mm-XLR音频输出线。

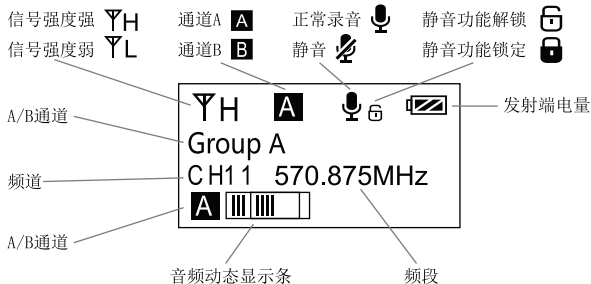


4.3 与发射器进行频道匹配成功后，即可使用

☞ 频道匹配请见屏幕操作部分

领夹发射器

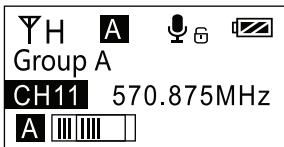
屏显说明





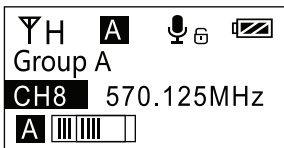
操作说明

1. 手动调节发射器 CH 频道

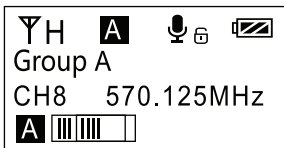
1.1 长按按键  进入CH 设置界面



1.2 使用   按键选择本机频道

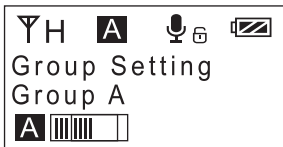


1.3 短按  按键确定

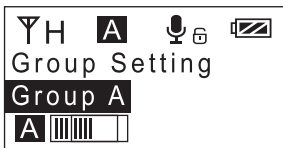




2. A/B 通道选择

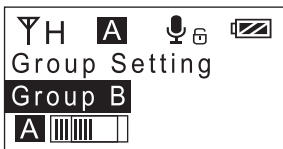
2.1 使用   按键调到“通道设置”界面



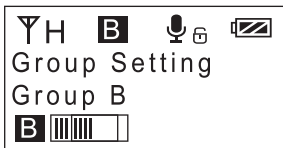
2.2 长按按键  进入“通道设置”界面





2.3 使用   按键选择本机通道

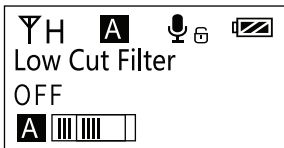


2.4 短按  按键确定

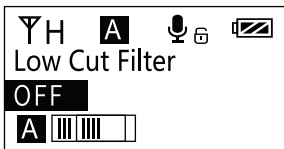




3. 低切“低/高/关闭”调节

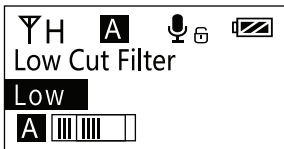
3.1 使用   按键调到“低切”界面




3.2 长按按键  进入“低切”设置界面





3.3 使用   按键选择“低”、“高”或“关闭”音源低切功能

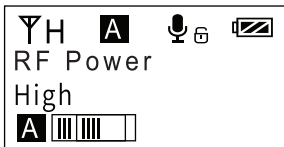



3.4 短按  按键确定

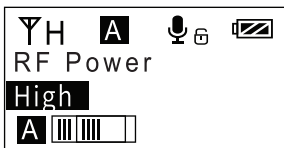
 低切功能开启会把音源低频部分过滤掉，比如野外昆虫的鸣叫声和人群的噪音，主音源也会更清脆；
关闭则真实还原环境的声音，主音源会更浑厚，可根据实际需要调整。



4. 发射功率调节

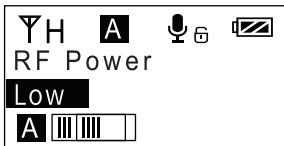
4.1 使用   按键调到“发射功率”界面



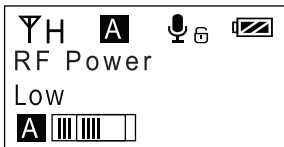
4.2 长按按键  进入“发射功率”设置界面





4.3 使用   按键调节发射信号强度



4.4 短按  按键确定

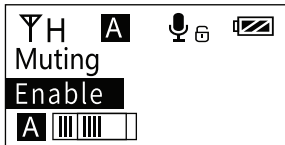




5. 静音模式开启/关闭

5.1 使用   按键调到“静音锁定”界面



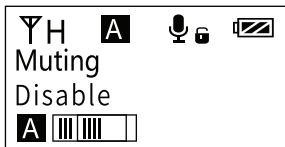
5.2 长按按键  进入“静音设置”界面






5.3 使用   按键选择开启/关闭静音功能




5.4 短按  按键确定





 设置为“锁定”后静音控制功能不能使用，图标显示：

设置为“解锁”后静音控制功能开启，图标显示：

静音必须在屏幕点亮的时候才能操控，按下任何按键使屏幕点亮，再短按  按键切换静音模式。



6. 背景灯光“点亮时间/关闭” 调节

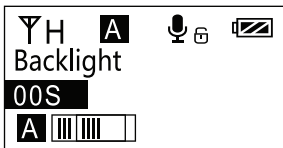
6.1 使用   按键调到“背景灯”界面



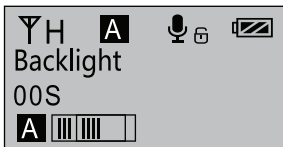
6.2 长按按键  进入“背景灯”设置界面



6.3 使用   按键调节背景点亮的延迟时间，也可以关闭以省电



6.4 短按  按键确定



7. 恢复出厂设置

7.1 使用<=>按钮调到“恢复出厂设置”界面



7.2 长按按钮 **SET** 进入“恢复出厂设置”界面



7.3 使用<=>按钮选择是否恢复出厂设置



7.4 短按 **SET** 按钮确定, 即可恢复出厂设置

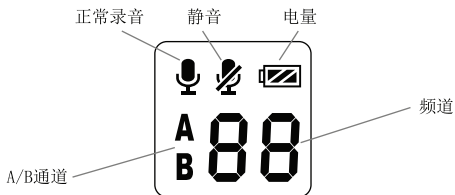


8. 固件版本号

8.1 使用   按键调到“版本号”界面查看本机固件的版本





手持发射器 屏显说明





操作说明

1. 开机与静音切换

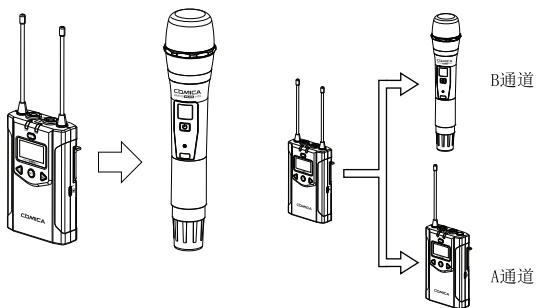
- 1.1 长按电源开关  2秒开机或关机
- 1.2 在开机状态，短按电源开关  进行静音切换



 静音必须在屏幕亮显的时候才能操控，按下任何按键使屏幕亮显，再短按  按键切换静音模式。

2. 红外对码

2.1 频道设置通过红外对码完成



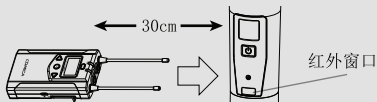
☞ 手持发射器默认开机通道是B通道，可根据接收器进行通道及频道切换。

如使用接收器A通道进行对码，对码成功后，即为：A通道 CH XX

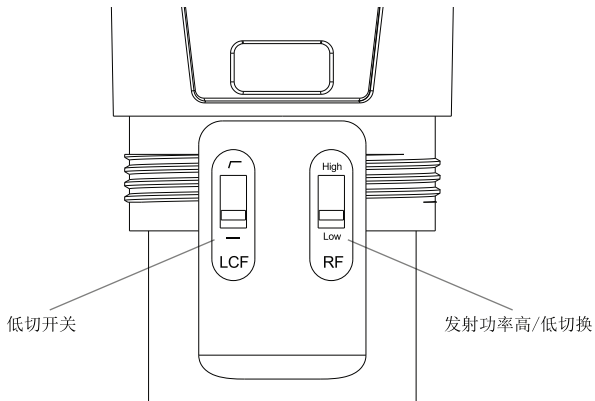
如使用接收器B通道进行对码，对码成功后，即为：B通道 CH XX

手持发射器与领夹发射器混用时，两种发射器要设置到不同的通道

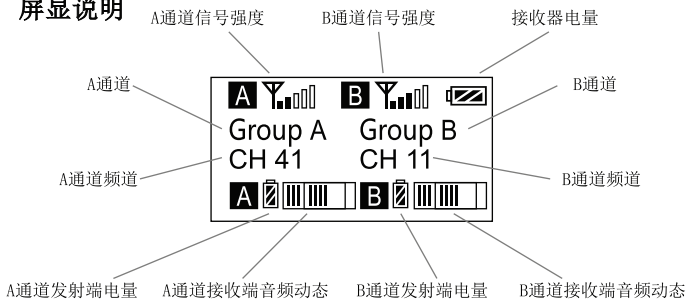
☞ 对码的时候接收器要对着手持发射器的红外接受窗，不能被遮挡住。



2.2 拨动开关定义



接收器 屏显说明

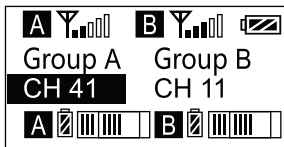


👉 当A/B通道打开时，图标背景颜色为黑色；当A/B通道关闭时，图标背景颜色是透明的或无背景色。

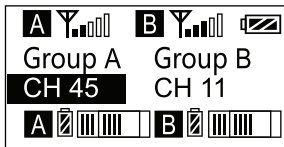
操作说明

1. 手动调节接收器A/B 通道的频道

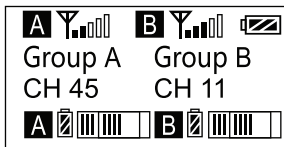
- 1.1 长按按键 **SET** 首先进入A通道 ‘CH’ 的设置界面，再次短按可切换至B通道 ‘CH’ 的设置界面





- 1.2 使用 **←** **→** 按键选择本机频道

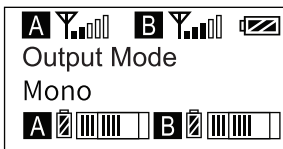



- 1.3 短按 **SET** 按键确定

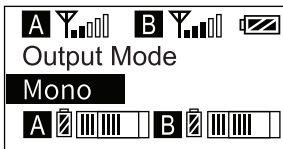





2. 输出音频模式 “立体声/单声道” 调节

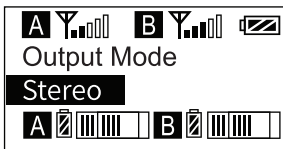
2.1 使用   按键调到“输出模式”界面




2.2 长按  按键进入“输出模式”设置界面



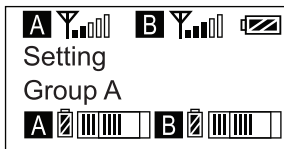
2.3 使用   按键选择“立体声/单声道”输出，
短按  按键确定



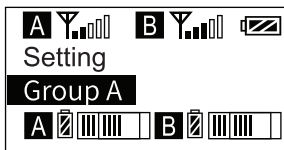
 当设置到单独的A或B通道时，输出只有MONO 模式。

3. A/B通道功能设置

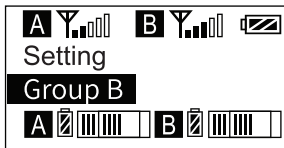
3.1 使用 ◀▶ 按键调到“A/B通道设置”界面



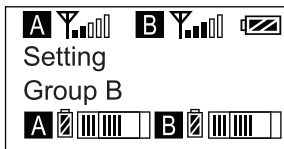
3.2 长按 **SET** 按键进入“A/B通道设置”界面




3.3 使用 ◀▶ 按键选择要编辑的通道

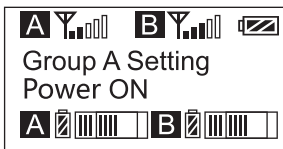


3.4 短按 **SET** 按键确定

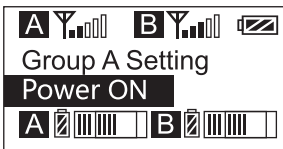




4. A/B通道 “开/关” 调节

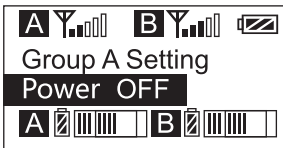
4.1 使用   按键调到“通道设置-电源”界面



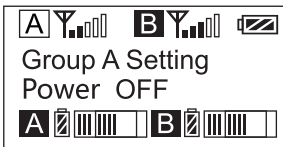
4.2 长按  按键进入“通道设置-电源”设置界面





4.3 使用   按键选择是否关闭通道

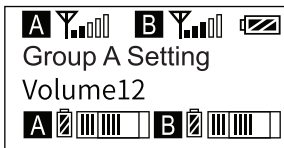



4.4 短按  按键确定

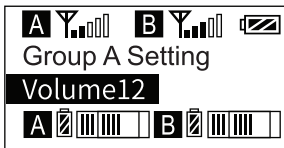




5. A/B通道音量调节

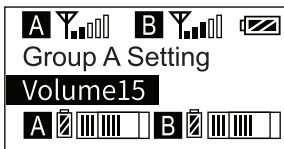
5.1 使用   按键调到“通道音量设置”界面



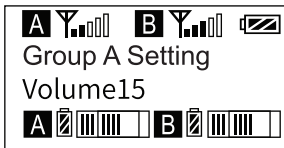
5.2 长按  按键进入“通道音量设置”界面





5.3 使用   按键调整音量大小

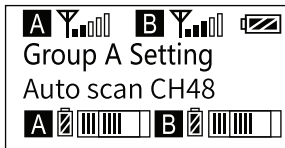





5.4 短按  按键确定

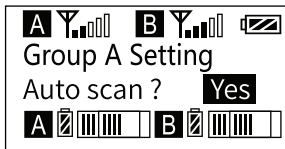



6. A/B通道自动频道扫描

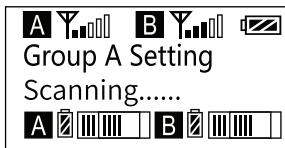
6.1 使用   按键调到“频道扫描”界面



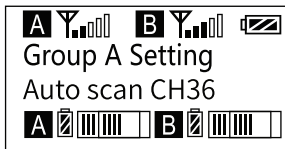
6.2 长按  按键进入频道扫描操作状态，使用   按键选择是否扫描





6.3 短按  按键进行自动频道扫描

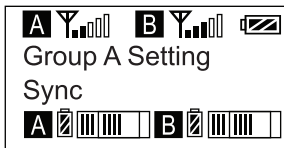



6.4 扫描完毕会使用扫描到的最佳频道

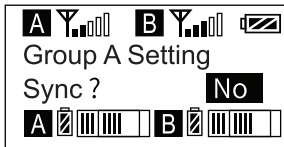





7. A/B通道红外对码

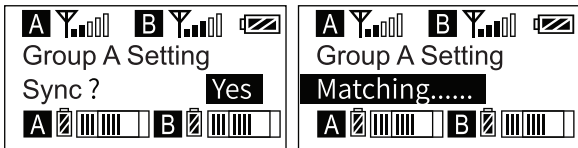
7.1 使用   按键调到“通道同步设置”界面




7.2 长按  按键进入“通道同步设置”界面





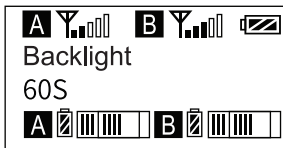
7.3 使用   按键选择是否同步, 短按  按键进行同步



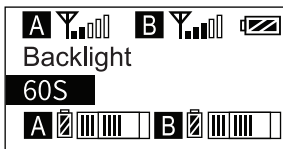
 当进行对码时, 请确保发射与接收的红外窗口于30cm距离之内进行点对点设置, 否则可能会导致对码不成功。

8. 背景灯光“点亮时间/关闭”调节

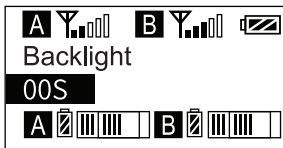
8.1 使用   按键调到“背景灯”界面



8.2 长按按键  进入“背景灯”设置界面





8.3 使用   按键调节背景点亮的延迟时间，也可以关闭以省电

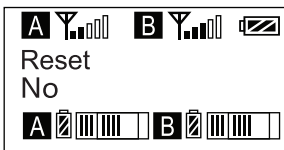



8.4 短按  按键确定

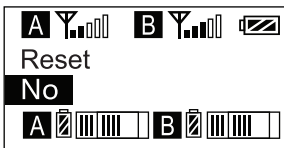




9. 恢复出厂设置

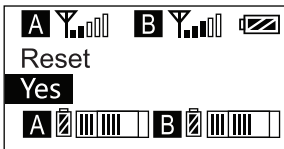
9.1 使用   按键调到“恢复出厂设置”界面




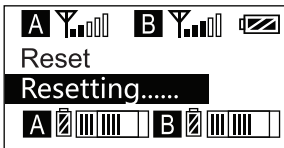
9.2 长按按键  进入“恢复出厂设置”界面





9.3 短按   选择是否恢复出厂设置

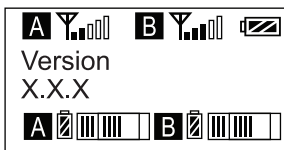


9.4 短按  按键确定，即可恢复出厂设置



10. 固件版本号

10.1 使用   按键调到“版本号”界面查看本机固件的版本



领夹发射器 TX

天线	1/4 波长导线天线
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
低切	80Hz / 160Hz
声音延迟	<20ms
音频失真	<0.5%
功耗	高发射功率: 550mW 低发射功率: 300mW
电池	两节AA电池
外部供电	5V/1A
尺寸	107 x 66 x 26mm
净重	81g (不包含电池)
工作温度	0°C ~ +50°C
存储温度	-20°C ~ +60°C

手持发射器 HTX

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	高发射功率: 500mW 低发射功率: 280mW
电池	两节AA电池
尺寸	Φ 53.5(MAX) x 253mm
净重	340g
工作温度	0℃ ~ 50℃
存储温度	-20℃ ~ 60℃

接收器 RX

天线	1/4 波长导线天线
系统信噪比	70dB
系统等效噪声	24dBA
声音延迟	<20ms
音频失真	<0.5%
功耗	双通道: 460mW 单通道: 260mW
电池	2节AA电池
外部供电	5V/1A
尺寸	107 x 66 x 26mm
净重	87g (不包含电池)
工作温度	0°C ~ +50°C
存储温度	-20°C ~ +60°C

技术参数

领夹发射器 TX

频道数	48 x 2
Group A 载波频率	568.125MHz~579.875MHz
Group B 载波频率	580.125MHz~591.875MHz
发射功率	10dBm /15dBm

手持发射器 HTX

频道数	48 x 2
Group A 载波频率	568.125MHz~579.875MHz
Group B 载波频率	580.125MHz~591.875MHz
发射功率	10dBm /15dBm

接收器 RX

频道数	48 x 2
Group A 载波频率	568.125MHz~579.875MHz
Group B 载波频率	580.125MHz~591.875MHz
接收灵敏度	<-95dBm



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