

**COMICA**

PROFESSIONAL AUDIO EQUIPMENT

# CVM-WM300

## UHF Wireless Microphone



**USER MANUAL**

## Specification

### Lavalier Transmitter TX

Channels	96
Group A Wireless Frequency	794MHz ~ 806MHz
Group B Wireless Frequency	794MHz ~ 806MHz
Transmitting Power	10dBm/15dBm

### Hand-held Transmitter HTX

Channels	96
Group A Wireless Frequency	794MHz ~ 806MHz
Group B Wireless Frequency	794MHz ~ 806MHz
Transmitting Power	10dBm/15dBm

### Receiver RX

Channels	96
Group A Wireless Frequency	794MHz ~ 806MHz
Group B Wireless Frequency	794MHz ~ 806MHz



## Foreword

Thanks for purchasing COMICA WM300 UHF wireless microphone.

WM300 is an all-metal wireless microphone with dual-transmitter triggered by one receiver, with built-in polymer lithium battery, it utilizes UHF wireless FM technology and LCD high-resolution lattice screen, 16-level adjustable volume, and integrated into LCF (Low cut filter), Auto-scanning, Auto IR Channel-match, stereo / mono switchable audio mode, RF signal strength adjustment, MIC/LINE IN input dual selection, power monitoring at receiver end, sound pickup dynamic display, backlight adjustment and other functions, at the same time with strong shielding anti-noise performance, it's a high-quality microphone to broadcasting level;

To ensure the smooth use and safety of the product, please carefully read this instruction before using and properly assemble and operate.

## Main Features

- . Dual Transmitters Triggered by One Receiver, A/B Double Group Options;
- . Used for Multiple Devices Working Together;
- . Working Distance is Up to 120m (120m in Open Area, 80m in Barrier Area);
- . LCF Low Cut Filtering Mode;
- . Auto-scanning for Quick Channel Selection;
- . Manual or Auto IR Sync;
- . Optional Language;
- . Adjustable RF Signal Strength;
- . Audio Dynamic Display Bar;
- . 16 Levels Volume Adjustment;
- . Transmitter Power Monitor;
- . Mono/Stereo Switchable Output Modes;
- . Built-in Rechargeable Lithium Battery, Slim Body;
- . Low-consumption, Super-long Standby Time;
- . Lattice LCD Display, High Resolution;
- . Full Metal Manufacturing, Excellent Shielding;



**120m Working Distance**



**Dual-Mic Trigger**



**Full Metal and Super Shielding**



**Audio Dynamic Display Bar**



**Low Cut Filter**



**Auto-scanning**



**Adjustable RF Signal Strength**



**Auto IR Sync**



**Transmitter Power Monitor**



**16 Levels Volume Adjustment**



**Mono/Stereo Audio Switch**



**Real-time Monitor**



**Lithium Power Driven**



**Low Power Consumption**



**Lattice LCD**



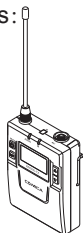
**Optional Language**

## Notice

- ⚠ Transmitter should be more than 20cm from Receiver, when the distance is less than 20cm, Receiver's wireless signal receiving part will take protect action to shut down the receiving of wireless signal, then audio may be intermittent, which is normal;
- ⚠ When using auto IR sync, please stay within one meter, otherwise the signal may be too weak and 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, and close the WIFI of the device itself;
- ⚠ When using this product in a short distance, it is recommended to set RF strength at 'LOW' to reduce the power consumption;
- ⚠ For smart phone shooting, customers must separately purchase a TRS-TRRS audio converting cable, and pay attention to set the mobile phone mode to 'Flight Mode' to avoid incoming call interference;  
(It does not support the original recording system of some android systems, the third-party APP is recommended to be used in this case);
- ⚠ Please keep this product in dry environment;
- ⚠ Do not expose the device in rain or humid environment, otherwise there will be a danger of short circuit;

## Package Contents

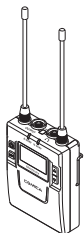
### Main Parts:



Lavalier Transmitter (TX)



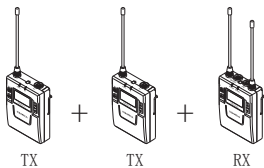
Hand-held Transmitter (HTX)



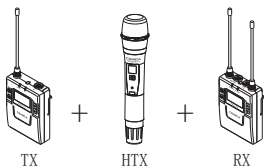
Receiver (RX)

## Multiple Selections:

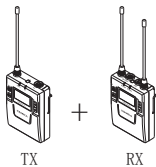
WM300 (A) = 2TX + RX



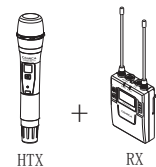
WM300 (B) = TX + HTX + RX



WM300 (C) = TX + RX



WM300 (D) = HTX + RX



## Accessories:

- ① 3.5mm Mic Audio Input Cable
- ② 3.5mm-3.5mm Audio Output Cable
- ③ 3.5mm-XLR Audio Output Cable
- ④ Micro USB Charging Cable
- ⑤ Belt Clip
- ⑥ Hot-shoe Mount
- ⑦ Wind Muff
- ⑧ Portable Box
- ⑨ User Manual
- ⑩ Warranty Card



①



②



③



④



⑤



⑥



⑦



⑧



⑨



⑩

👉 The accessories of each combination include:

WM300(A)= ①x2 + ② + ③ + ④x2 + ⑤x3 + ⑥ + ⑦x2 + ⑧ + ⑨ + ⑩

WM300(B)= ① + ② + ③ + ④ + ⑤x2 + ⑥ + ⑦ + ⑧ + ⑨ + ⑩

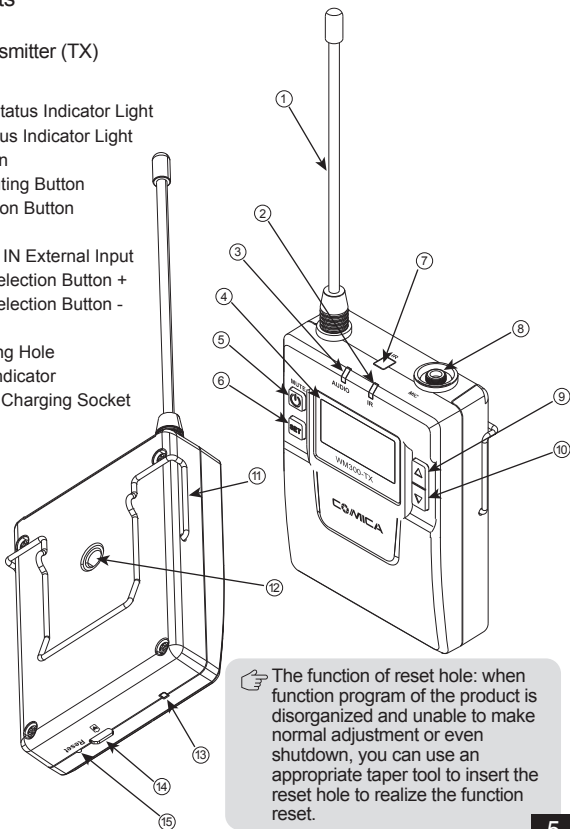
WM300(C)= ① + ② + ③ + ④ + ⑤x2 + ⑥ + ⑦ + ⑧ + ⑨ + ⑩

WM300(D)= ② + ③ + ④ + ⑤ + ⑥ + ⑧ + ⑨ + ⑩

## Components

### Lavalier Transmitter (TX)

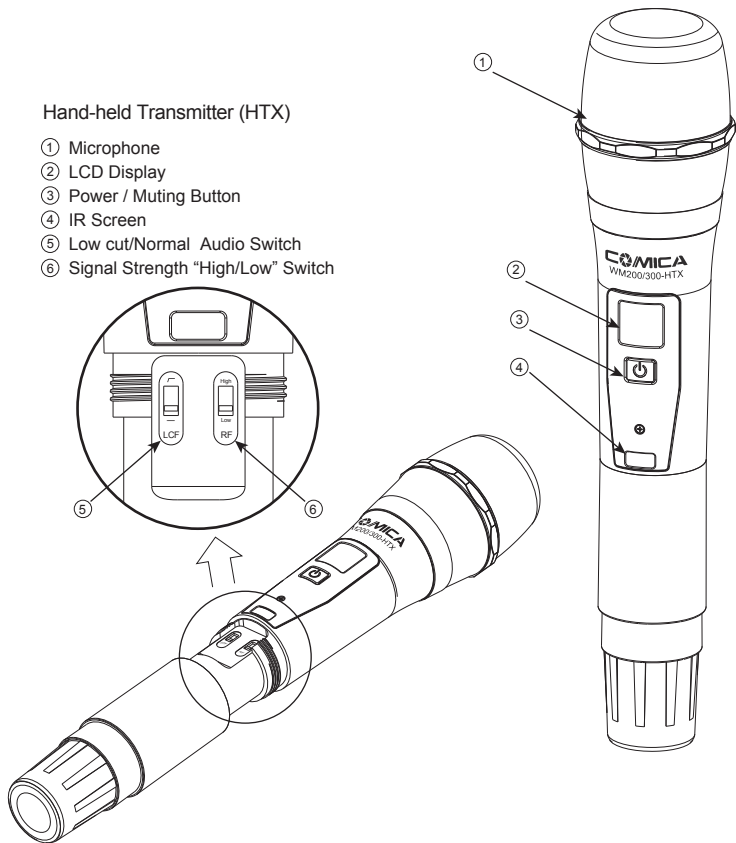
- ① Antenna
- ② Matching Status Indicator Light
- ③ Sound Status Indicator Light
- ④ LCD Screen
- ⑤ Power / Muting Button
- ⑥ SET Function Button
- ⑦ IR Sensor
- ⑧ MIC / LINE IN External Input
- ⑨ Function Selection Button +
- ⑩ Function Selection Button -
- ⑪ Belt Clip
- ⑫ 1/4 Mounting Hole
- ⑬ Charging Indicator
- ⑭ Micro USB Charging Socket
- ⑮ Reset Hole



☞ The function of reset hole: when function program of the product is disorganized and unable to make normal adjustment or even shutdown, you can use an appropriate taper tool to insert the reset hole to realize the function reset.

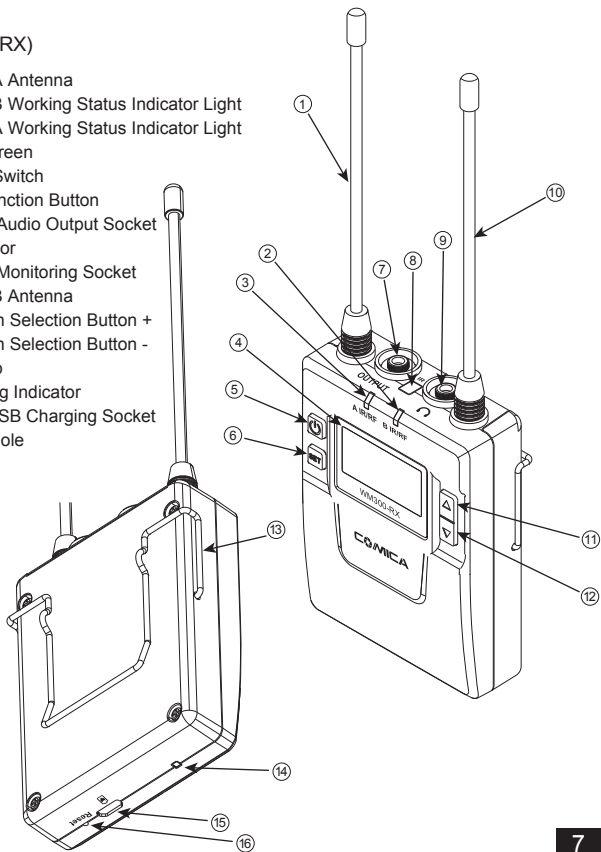
## Hand-held Transmitter (HTX)

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













## Receiver (RX)

- ① Group A Antenna
- ② Group B Working Status Indicator Light
- ③ Group A Working Status Indicator Light
- ④ LCD Screen
- ⑤ Power Switch
- ⑥ SET Function Button
- ⑦ 3.5mm Audio Output Socket
- ⑧ IR Sensor
- ⑨ 3.5mm Monitoring Socket
- ⑩ Group B Antenna
- ⑪ Function Selection Button +
- ⑫ Function Selection Button -
- ⑬ Belt Clip
- ⑭ Charging Indicator
- ⑮ Micro USB Charging Socket
- ⑯ Reset Hole



## Function Button Instruction

Lavalier Transmitter / Receiver    	Power / Muting Button 	Long Press	Power On / Off
		Short Press	Muting Mode (This function is only for transmitter, when the mute function is turned on and the screen is lighted up)
	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 (Only goes into effect when the screen lights up)
	"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	

### Signal strength high / low switching effect:

With high signal strength, the wireless working distance is up to 80-120M, high power consumption, battery life is short; With low signal strength, the wireless working distance is up to 30-60M, low power consumption, the battery can be used for a long time.




 **Low cut function:**

Appropriately remove the low frequency part of the sound, reduce the ambient noise of the low frequency part, to make sound more clean and clear.

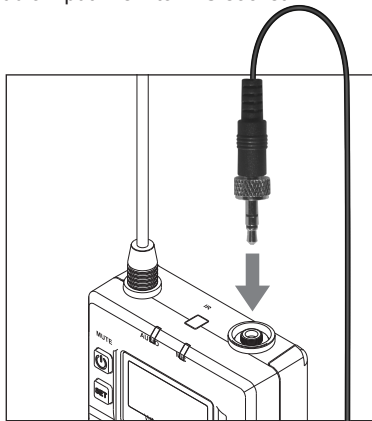
## Indicator Light Instruction

Transmitter	AUDIO	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
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		Channel closed	

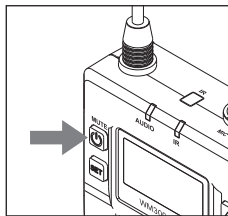
 A IR/RF: Group A Working Status Indicator  
B IR/RF: Group B Working Status Indicator

### Lavalier Transmitter

1. Insert the 3.5mm audio input line into MIC socket



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

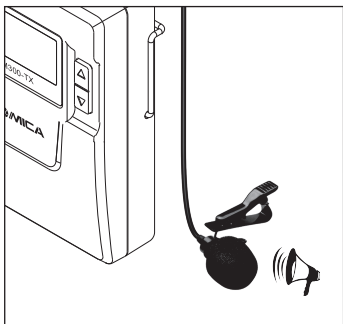


3. After the channel matching with the receiver, it can be used



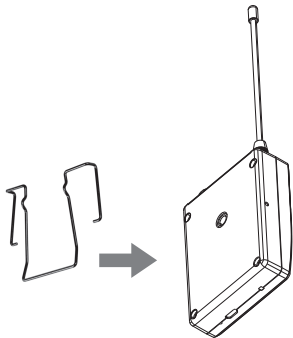
Please refer to screen operation instruction for channel matching.

3. Connect the MIC to the audio source and check the working status according to the volume indicator on the screen




Audio Dynamic Display Bar

4. Connect the belt clip to the connection hole

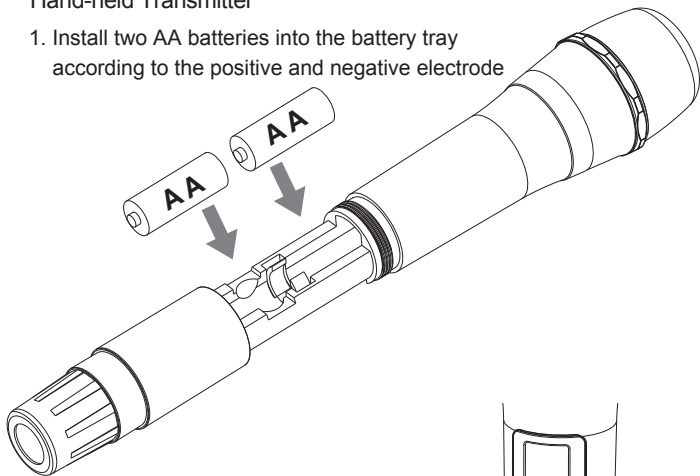


5. After the channel matching with the receiver, it can be used

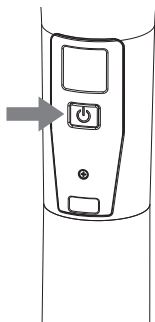
 Please refer to screen operation instruction for channel matching.

## Hand-held Transmitter


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



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

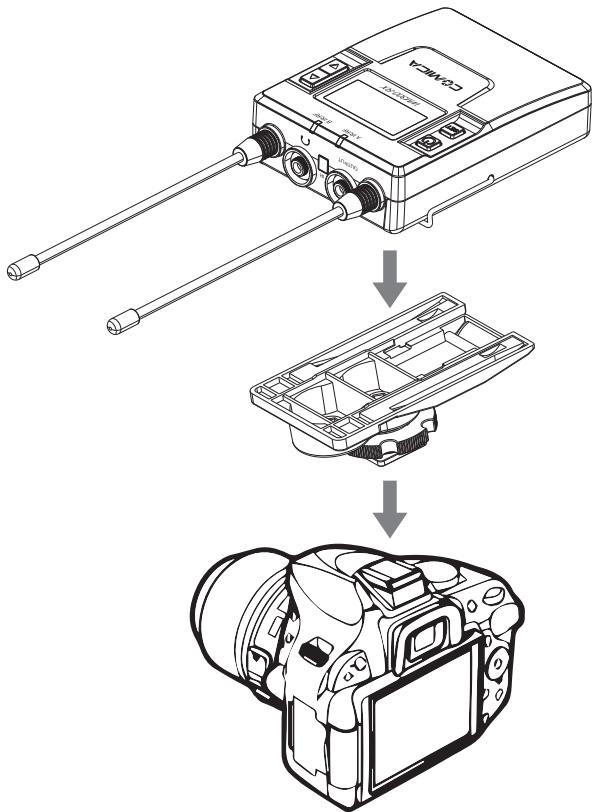


3. After the channel matching with the receiver, it can be used

 Please refer to screen operation instruction for channel matching.

## Receiver


1. Connect the receiver to the video device through the hot-shoe



2. Insert the 3.5mm-3.5mm audio OUTPUT line into the OUTPUT port, and insert the headphone into the 3.5mm monitoring socket for real-time monitoring, then long press the power button to turn on the receiver



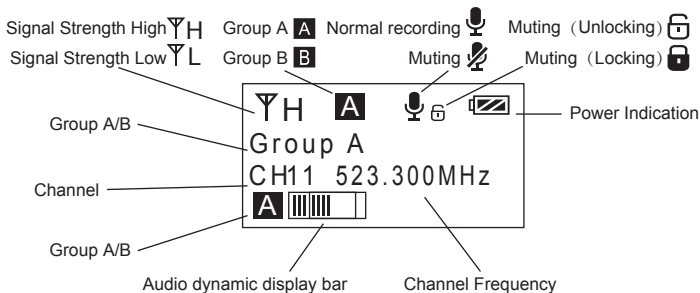
3. After the channel matching with the receiver, it can be used

 Please refer to screen operation instruction for channel matching.

## Screen Display and Operation Instruction


### Lavalier Transmitter

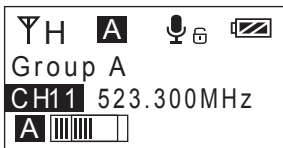
#### Screen Display Instruction




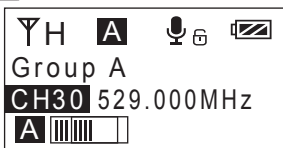
#### Operation Instruction

##### 1. Manually Adjust the Channel of Transmitter

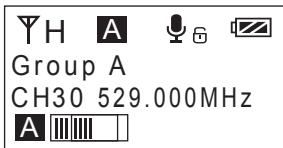
1.1 Long press  button to CH setting display page



1.2 Short press  button to select the channel




1.3 Short press  button to confirm

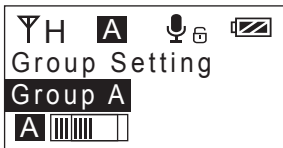



## 2. Group A/B Selection

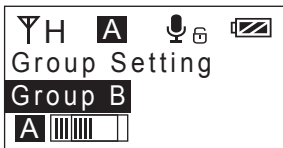
2.1 Press  button to ' Group Setting ' display page



2.2 Long press  button to ' Group Setting ' display page

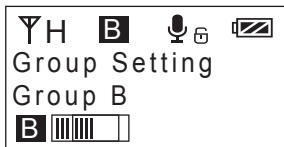


2.3 Press  button to select the group






2.4 Short press  button to confirm




### 3.MIC/LINE IN Input Mode Adjustment

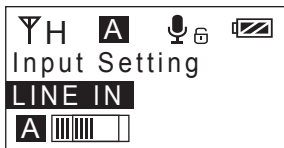
3.1 Press  button to ' Input Setting ' display page



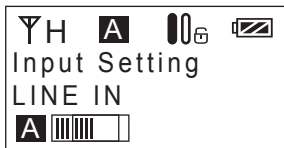
3.2 Long press  button to ' Input Setting ' display page




3.3 Press  button to select ' Mic/ Line in ' input mode




3.4 Short press  button to confirm




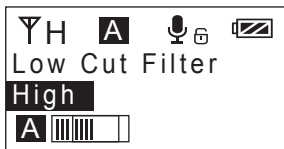
 Mic mode is for Microphone input;  
Line in mode is for external audio input, such as smart phone music player.  
Selecting the corresponding input mode will bring you a better audio effect.


#### 4. Low cut ' High/Low/OFF ' Adjustment

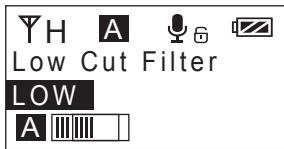
4.1 Press  button to ' Low Cut Filter ' display page



4.2 Long press  button to ' Low Cut Filter ' display page




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



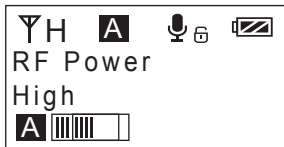
4.4 Short press  button to confirm




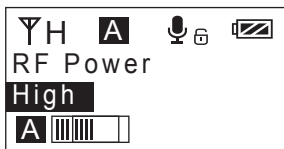
 low-cut function will filter out the low-frequency part of the audio source, such as the chirping and crowd noise, and the main audio source will be more crisp. Low cut divided into low cut in low range and low cut in high range, low range is to filter out part of the noise, while high range of low cut 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.


## 5. Transmitting Signal Strength ' High/Low ' Adjustment

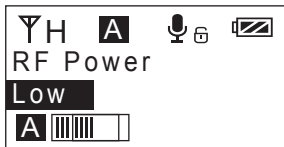
5.1 Press  button to ' RF Power ' display page



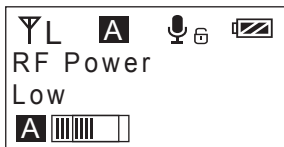
5.2 Long press  button to ' RF Power ' display page




5.3 Press  button to adjust the transmitting signal strength




5.4 Short press  button to confirm




## 6.Muting Mode Enable/ Disable

6.1 Press  button to ' Muting ' display page



6.2 Long press  button to ' Muting ' display page






6.3 Press  button to select Muting mode on/ off




#### 6.4 Short press button to confirm




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


When set to 'Enable', the muting 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.


## 7. Backlight ' Lighting Time/Turn Off ' Adjustment

7.1 Short Press  button to ' Backlight ' display page



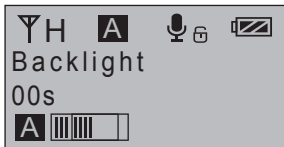
7.2 Long press  button to ' Backlight ' display page




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




7.4 Short press  button to confirm



## 8. System Language

8.1 Short press  button to 'Language' display page



8.2 Long press  button to enter 'Language' display page



8.3 Short press  button to select language



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' display page




9.3 Short press  button to select whether to restore factory Settings



9.4 Short press  button to confirm and restore factory setting



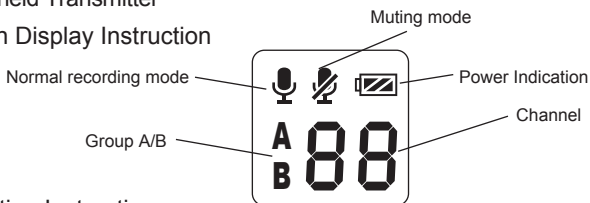
## 10. Version

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





## 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 it's turned on, short press the  button to select muting mode

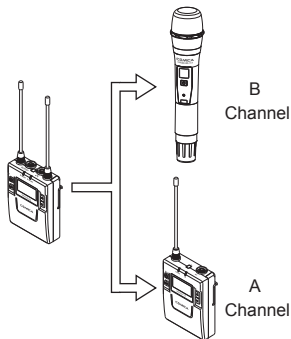


 The muting mode can be controlled only when the screen is on, press any button to light the screen and then press the  button to switch the muting mode.

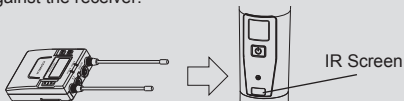
## 2. Set the Channel Through Infrared Sync

2.1 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 matching, it will be: Group A CHXX; If Group B of the receiver is used for the matching, after matching, it will be: Group B CHXX)

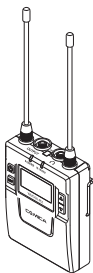
2.2 When the hand-held transmitter and the lavalier transmitter are used together, you should set them to different channels



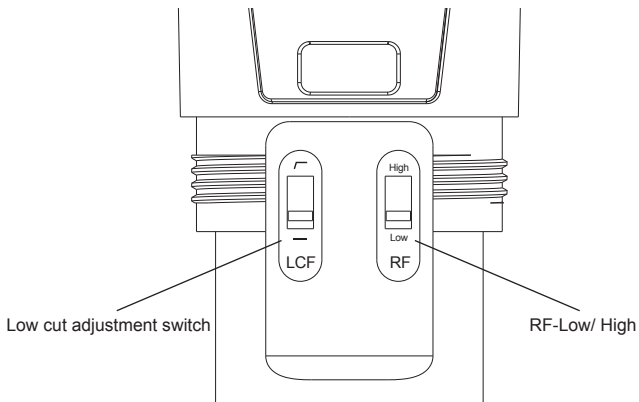
👉 During matching, don't shield the infrared receiving screen of the transmitter against the receiver.



## 2.3 Set the channel through infrared sync

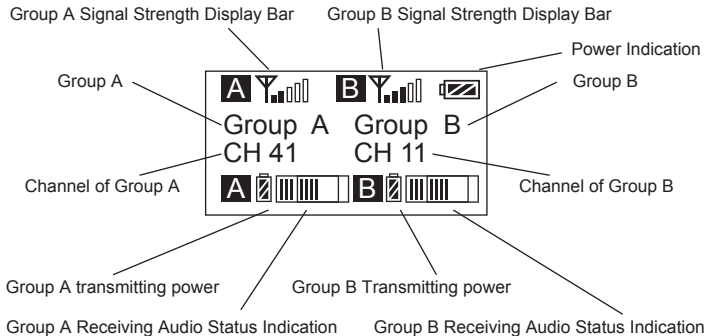


## 2.4 Function switch



# Receiver


## Screen Display Instruction

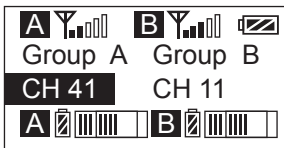


When Group A/B is on, the background color of the channel display icon is black;  
When Group A/B is off, the channel display icon is transparent and no background color.

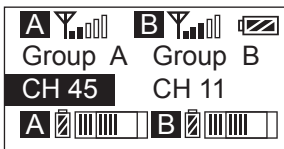
## Operation Instruction

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

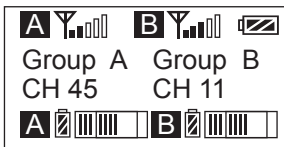
- 1.1 Long press  button to 'CH' display page, long press again for Group A/Group B switch



- 1.2 Short press  button to select the channel

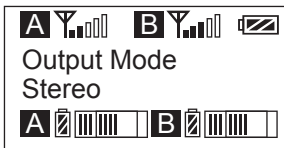



- 1.3 Short press  button to confirm

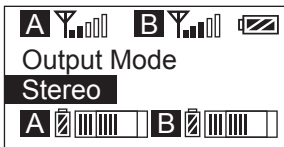


## 2. Audio Output Mode 'Stereo/Mono' Adjustment

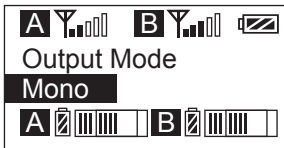
2.1 Press  button to ' Output Mode ' display page



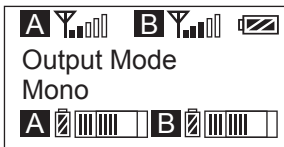
2.2 Long press  button to ' Output Mode ' display page



2.3 Press  button to select Mono/ Stereo Output Mode




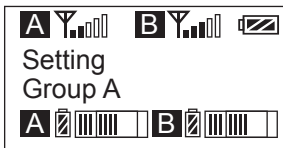
2.4 Short press  button to confirm




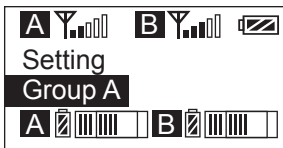



### 3.Group A/B Function Setting

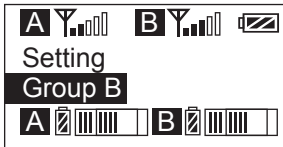
3.1 Press  button to ' Setting ' display page



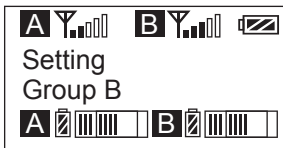
3.2 Long press  button to ' Setting ' display page



3.3 Press  button to select Group A/B to edit

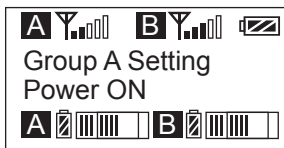



3.4 Short press  button to confirm

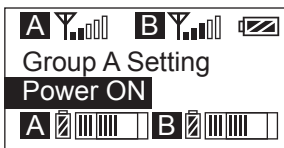



## 4.Group A/B ' On/ Off ' Adjustment

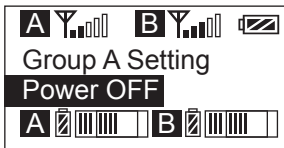
4.1 Short Press  button to ' Group A Setting , display page  
Power ON



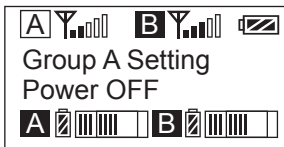
4.2 Long press  button to ' Setting ' display page




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

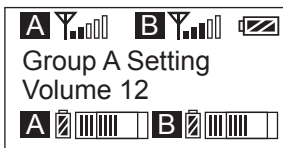



4.4 Short press  button to confirm

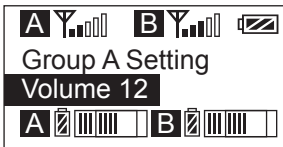


## 5.Group A/B Volume Adjustment

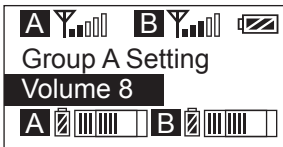
5.1 Short Press  button to ' Group A Setting ' display page  
Volume



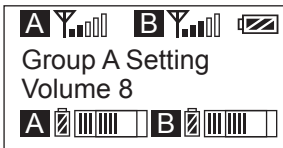
5.2 Long press  button to ' Setting ' display page



5.3 Short Press  button to adjust the volume

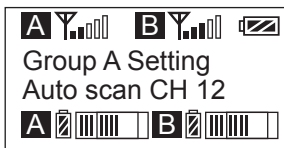


5.4 Short press  button to confirm

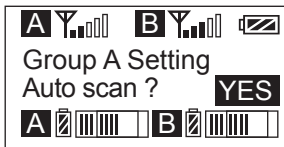



## 6.Group A/B Automatic Channel Scan

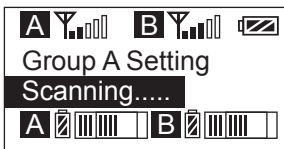
6.1 Short Press  button to 'Group A Setting', display page



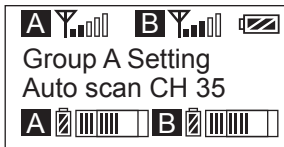
6.2 Long press  button for Auto scanning



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

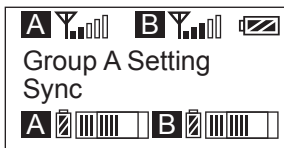



6.4 Scanning complete and choose the best suitable channel

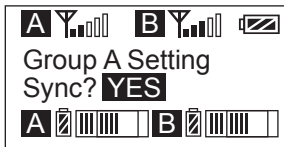




## 7. Group A/B IR Sync

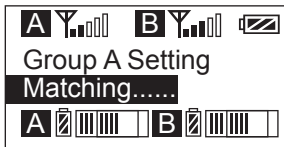
7.1 Short Press  button to ' Group A Setting ' display page  
Sync



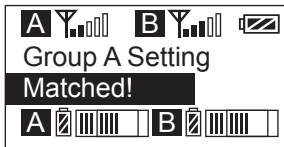
7.2 Long press  button for IR Matching




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

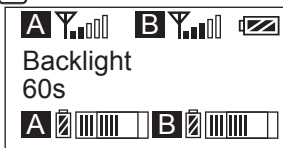



7.4 Matching OK

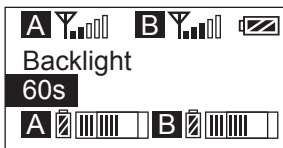



## 8. Backlight ' Lighting Time/Turn Off ' Adjustment

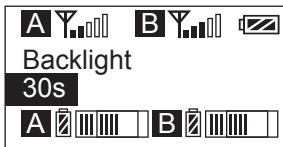
8.1 Short Press  button to ' Backlight ' display page



8.2 Long press  button to ' Backlight ' display 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

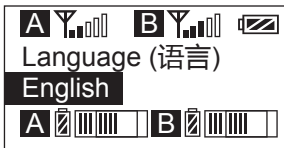


## 9. System Language

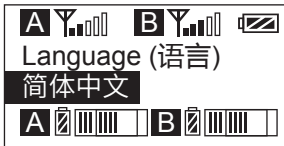
9.1 Short press  button to ' Language ' display page



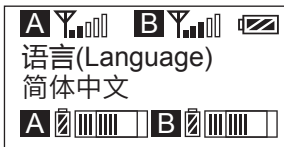
9.2 Long press  button to enter ' Language ' display page




9.3 Short press  button to select language

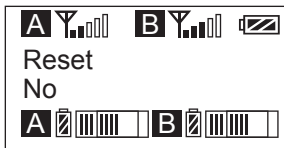



9.4 Short press  button to confirm

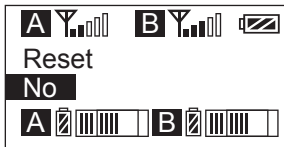



## 10. Reset to Defaults

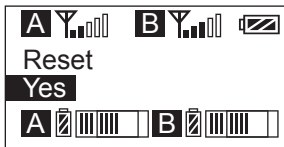
10.1 Press  button to 'Reset' display page



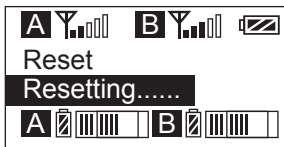
10.2 Long press  button to enter 'Reset' display page



10.3 Short press  button to select whether to restore factory Settings




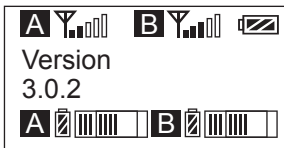
10.4 Short press  button to confirm and restore factory setting





## 11. Version

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



## Specification

### Lavalier Transmitter TX

Signal / Noise	>65dB
Antenna	1/4 Wavelength Wire Antenna
Stray Radiation	<-60dBc
Sound Delay	<20ms
Audio Distortion	<0.5%
Battery	Polymer Lithium Battery 3.7V 1800mAh
Dimension	84 x 63.5 x 23mm
Operating Temperature	0 C ~ 50 C
Storage Temperature	-20 C ~ 60 C

## Hand-held Transmitter HTX

Signal / Noise	>65dB
Antenna	PCB Antenna
Stray Radiation	<-60dBc
Sound Delay	<20ms
Audio Distortion	<0.5%
Battery	AA Batteries x 2pcs
Dimension	Φ53.5(MAX) x 253mm
Operating Temperature	0 C ~ 50 C
Storage Temperature	-20 C ~ 60 C

## Receiver RX

Signal / Noise	>65dB
Antenna	1/4 Wavelength Wire Antenna
Receiving Sensitivity	-95dBm
Stray Radiation	<-60dBc
Sound Delay	<20ms
Audio Distortion	<0.5%
Battery	Polymer Lithium Battery 3.7V 1800mAh
Dimension	84 x 63.5 x 23mm
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C

**COMICA**

PROFESSIONAL AUDIO EQUIPMENT

# CVM-WM300

## UHF Wireless Microphone



用户使用手册

## 技术规格

### 领夹发射器 TX

频道数	96
Group A 载波频率	794MHz ~ 806MHz
Group B 载波频率	794MHz ~ 806MHz
发射功率	10dBm/15dBm

### 手持发射器 HTX

频道数	96
Group A 载波频率	794MHz ~ 806MHz
Group B 载波频率	794MHz ~ 806MHz
发射功率	10dBm/15dBm

### 接收器 RX

频道数	96
Group A 载波频率	794MHz ~ 806MHz
Group B 载波频率	794MHz ~ 806MHz

## 前言

感谢您购买COMICA/科唛 WM300 UHF 无线麦克风；

WM300是一款一拖二全金属材质无线麦克风，此款麦克风内置聚合物锂电池，采用UHF 无线调频技术及LCD高清点阵屏，多频道、16级可调音量，并融入了低切功能、自动通道扫描、红外对码、立体声/单声道音频模式切换、RF信号强度可调、MIC/LINEIN输入双选、接收端无线电量检测、拾音动态显示、背景灯光可调等多种功能，同时具备强大的屏蔽抗噪性能，是一款广电级高品质麦克风；

为保证产品的顺畅使用及安全，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

- 一拖二，A/B 双路音频通道可选；
- 可进行多场合多机位混用；
- 拾音距离高达120m（空旷无干扰环境，有障碍环境高达80m）；
- 低切功能；
- 自动通道扫描，快速通道定位；
- 可手动/红外自动对码；
- 语言可选；
- 发射功率可调；
- 动态音量检测条；
- 16级音量可调；
- 发射端电量监控；
- 单声道/立体声 多输出选择；
- 内置可充电锂电池，超薄机身；
- 低功耗，超强待机时间；
- LCD点阵液晶屏，高清显示；
- 全金属制造，优越屏蔽性能；



工作距离  
高达120m



一拖二



全金属制造



音频检测条



低切功能



自动通道扫描



发射功率可调



自动红外对码



发射端  
电量监控



16级音量可调



单声道  
立体声可选



实时监听



锂电池



低功耗



LCD点阵屏



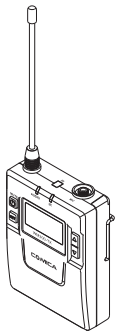
语言可选

## 注意事项

- ⚠ 正常使用时发射器应距离接收器20cm以上，当小于20cm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；
- ⚠ 进行红外对码时，请保持在1M 距离之内，否则可能会导致通信用弱、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，并关闭机身自身的WIFI；
- ⚠ 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，并注意将手机模式设置为‘飞行模式’以避免来电干扰；  
(不支持部分安卓系统的原生态录音系统，建议此时于第三方APP模式下使用)；
- ⚠ 请在干燥环境中对该产品进行储存；
- ⚠ 不要在雨中或潮湿环境中使用该设备，否则会有短路的危险；

## 包装清单

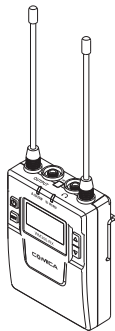
主体：



领夹发射器 (TX)



手持发射器 (HTX)

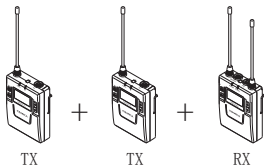


接收器 (RX)

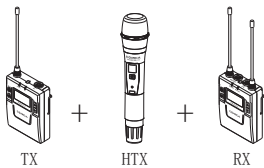


## 搭配选择:

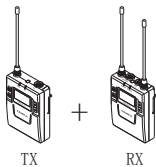
WM300 (A) = 2TX + RX



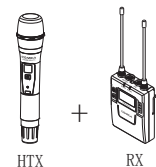
WM300 (B) = TX + HTX + RX



WM300 (C) = TX + RX



WM300 (D) = HTX + RX



## 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 Micro USB充电线
- ⑤ 腰带夹
- ⑥ 热靴快装板
- ⑦ 防风毛
- ⑧ 便携箱
- ⑨ 说明书
- ⑩ 保修卡



①



②



③



④



⑤



⑥



⑦



⑧



⑨



⑩

👉 每一个型号的配件包括：

WM300 (A) = ①x2 + ② + ③ + ④x2 + ⑤x3 + ⑥ + ⑦x2 + ⑧ + ⑨ + ⑩

WM300 (B) = ① + ② + ③ + ④ + ⑤x2 + ⑥ + ⑦ + ⑧ + ⑨ + ⑩

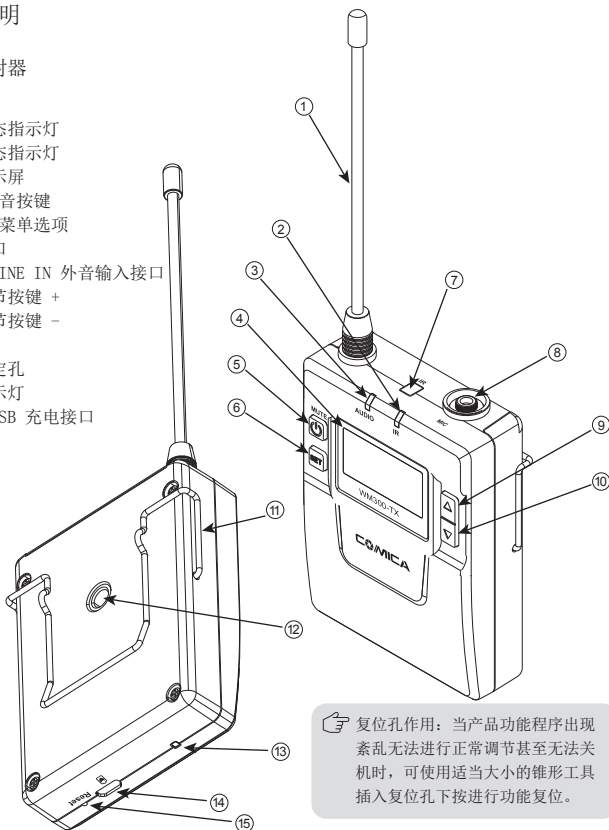
WM300 (C) = ① + ② + ③ + ④ + ⑤x2 + ⑥ + ⑦ + ⑧ + ⑨ + ⑩


WM300 (D) = ② + ③ + ④ + ⑤ + ⑥ + ⑧ + ⑨ + ⑩

## 部件说明

### 领夹发射器

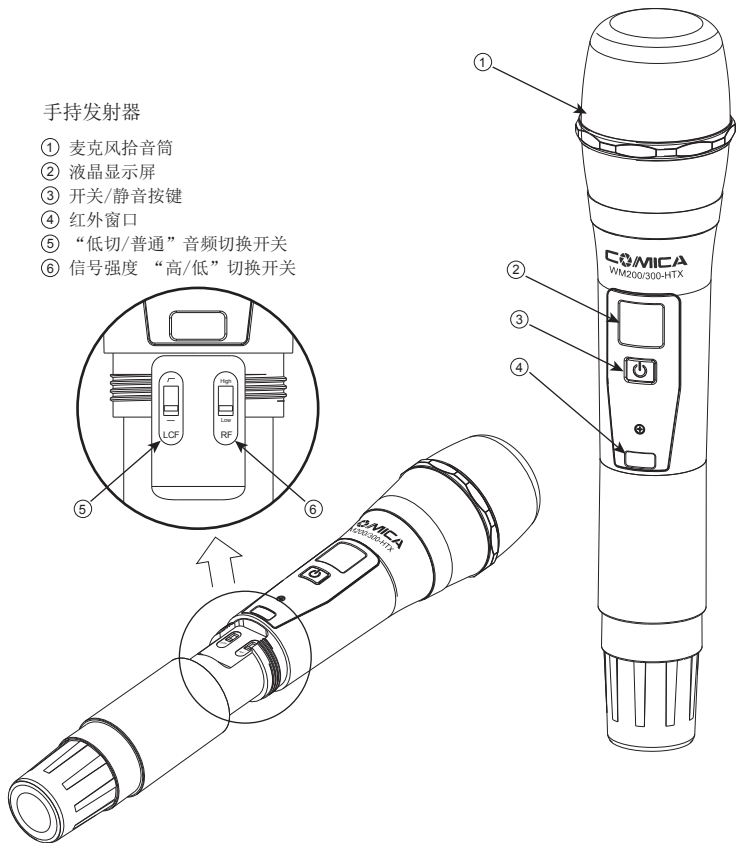
- ① 天线
- ② 对码状态指示灯
- ③ 声音状态指示灯
- ④ 液晶显示屏
- ⑤ 开关/静音按键
- ⑥ SET功能菜单选项
- ⑦ 红外窗口
- ⑧ MIC / LINE IN 外音输入接口
- ⑨ 功能调节按键 +
- ⑩ 功能调节按键 -
- ⑪ 腰带夹
- ⑫ 1/4 固定孔
- ⑬ 充电指示灯
- ⑭ Micro USB 充电接口
- ⑮ 复位孔



 复位孔作用：当产品功能程序出现紊乱无法进行正常调节甚至无法关机时，可使用适当大小的锥形工具插入复位孔下按进行功能复位。

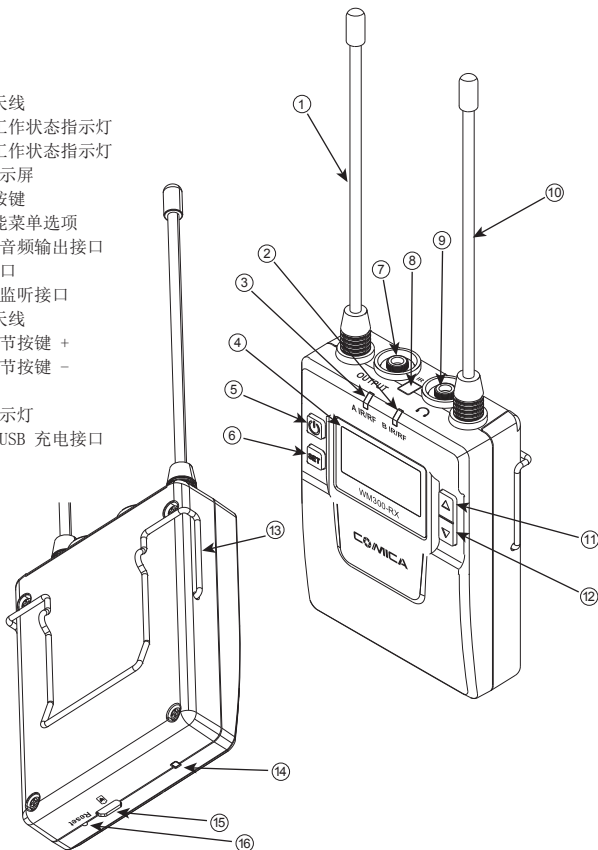
## 手持发射器

- ① 麦克风拾音筒
- ② 液晶显示屏
- ③ 开关/静音按键
- ④ 红外窗口
- ⑤ “低切/普通” 音频切换开关
- ⑥ 信号强度 “高/低” 切换开关

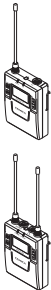










## 接收器

- ① A通道天线
- ② B通道工作状态指示灯
- ③ A通道工作状态指示灯
- ④ 液晶显示屏
- ⑤ 开/关按钮
- ⑥ SET功能菜单选项
- ⑦ 3.5mm 音频输出接口
- ⑧ 红外窗口
- ⑨ 3.5mm 监听接口
- ⑩ B通道天线
- ⑪ 功能调节按钮 +
- ⑫ 功能调节按钮 -
- ⑬ 腰带夹
- ⑭ 充电指示灯
- ⑮ Micro USB 充电接口
- ⑯ 复位孔



## 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 （此功能仅针对发射器， 静音功能开启并且屏幕 点亮后生效）
	SET 功能菜单选规项 	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 
“低切/普通” 声音切换开关 	上推 低切	
	下推 普通	
信号强度 “高/低” 切换开关 	上推 信号强度高	
	下推 信号强度低	

### 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80-120M，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

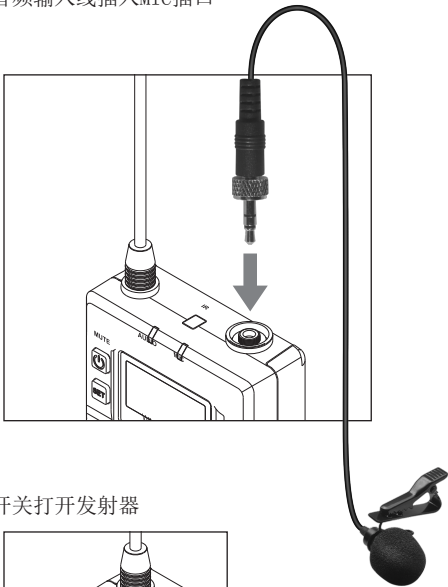
领夹 发射器	AUDIO	绿灯长亮	正常录音状态 (此状态仅针对发射器，频道匹配成功后，接收器方可拾音)
		红灯长亮	静音状态
		红灯闪烁	低电量提醒
	IR	绿灯长亮	频道配对后 (无论是否匹配成功)
红灯闪烁		频道配对中... (仅限红外对码时)	
接收器	A IR/RF	绿灯长亮	频道匹配成功后的正常工作状态
		绿灯闪烁	频道匹配不成功
	B IR/RF	红灯闪烁	频道配对中... (仅限红外对码时)
		红灯长亮	低电量提醒
		红灯长亮	通道关闭

 A IR/RF: A通道工作状态指示灯

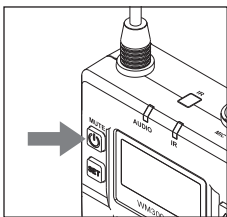
B IR/RF: B通道工作状态指示灯

## 领夹发射器

1. 把3.5mm 音频输入线插入MIC插口

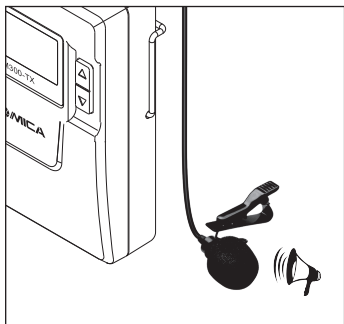


2. 长按电源开关打开发射器



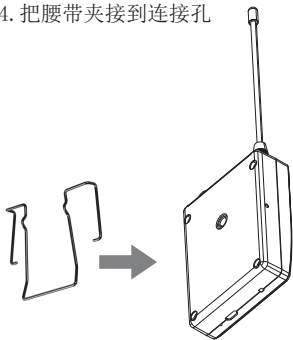


3. 将MIC 对准音源，根据屏幕上的音量指示条检测发射器是否正常工作



音频动态显示条

4. 把腰带夹接到连接孔



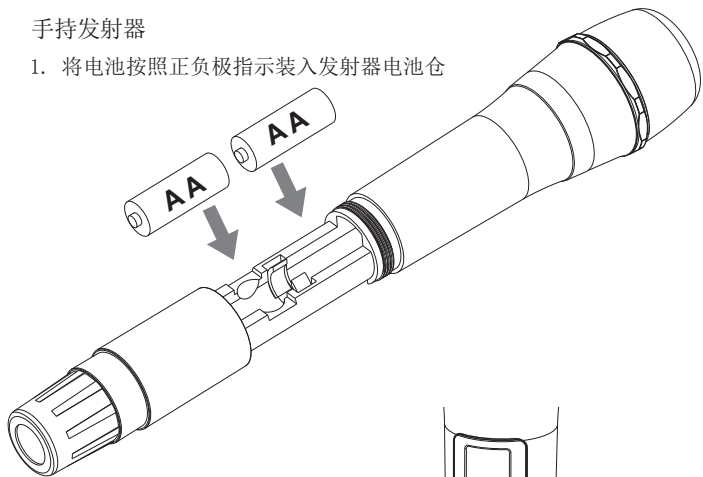
5. 与接收器进行频道匹配成功后，即可使用



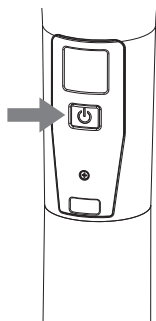
频道匹配请见屏幕操作部分

## 手持发射器

1. 将电池按照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

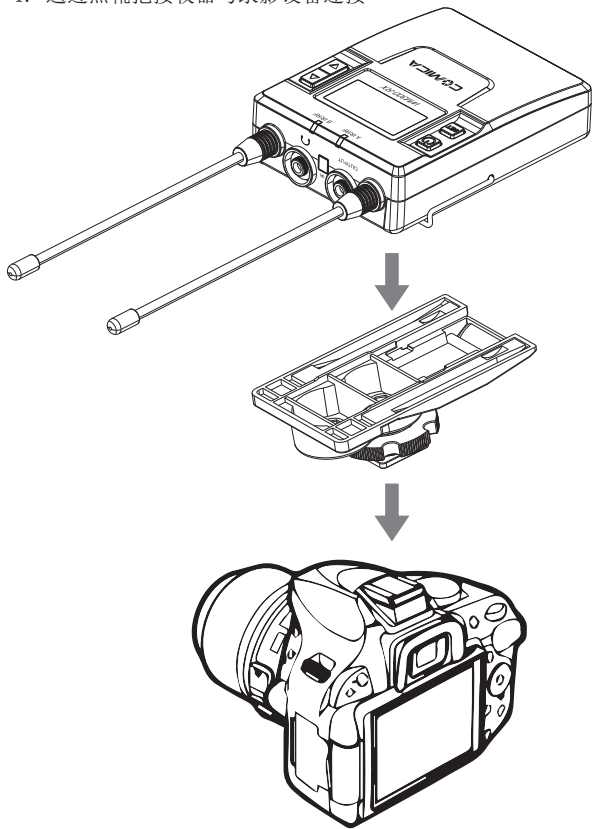


3. 与接收器进行频道匹配成功后，即可使用

 频道匹配请见屏幕操作部分

## 接收器

1. 通过热靴把接收器与录影设备连接



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

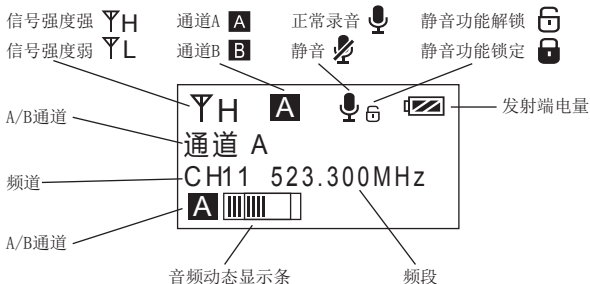


3. 与发射器进行频道匹配成功后，即可使用

 频道匹配请见屏幕操作部分

## 领夹发射器

### 屏显说明



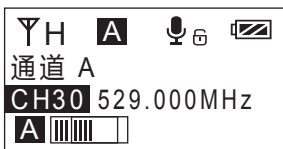
### 操作说明

#### 1. 手动调节发射器 CH 频道

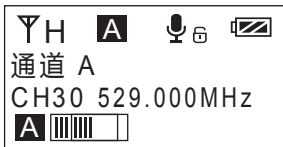
1.1 长按按键  进入“通道”设置界面



1.2 使用  按键选择本机频道

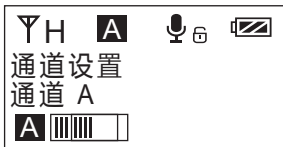


### 1.3 短按 按键确定

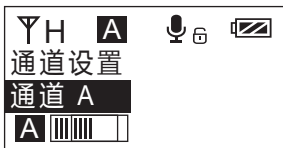


## 2. A/B 通道选择

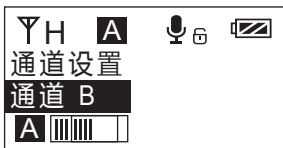
### 2.1 使用 按键调到“通道设置”界面



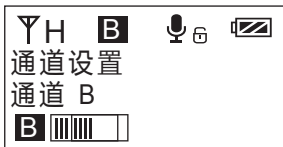
### 2.2 长按按键 进入“通道设置”界面



### 2.3 使用 按键选择本机通道



## 2.4 短按 按键确定



## 3. 麦克风输入/外部音源输入方式切换

### 3.1 使用 按键调到“输入设置”界面



### 3.2 长按按键 进入“输入设置”界面




### 3.3 使用 按键选择 MIC/LINE IN 输入方式



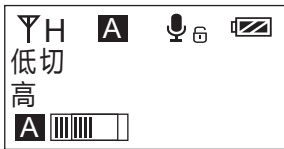
### 3.4 短按 按键确定



 MIC模式是针对麦克风音源输入；  
LINE IN模式是针对外部音源输入，比如手机音乐播放等。  
选择对应的输入模式会有更好的音频效果。

## 4. 低切“高/低/关闭”调节

### 4.1 使用 按键调到“低切”界面



### 4.2 长按按键 进入“低切”界面






#### 4.3 使用 按钮选择“高/低/关闭”音源低切功能




#### 4.4 短按 按钮确定



 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；低切分低范围低切与高范围低切，低范围则是过滤掉一部分噪音，而高范围低切则过滤掉全部噪音。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。


## 5. 发射信号强度调节

5.1 使用  按键调到“发射功率”界面



5.2 长按按键  进入“发射功率”界面




5.3 使用  按键调节发射信号强度



5.4 短按  按键确定




## 6. 静音模式开启/关闭

6.1 使用  按键调到“静音锁定”界面



6.2 长按按键  进入“静音锁定”界面





6.3 使用  按键选择开启/关闭静音功能




## 6.4 短按 按键确定




 设置为锁定后静音功能不能使用，图标显示：

设置为解锁后静音功能开启，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。


## 7. 背景灯光“点亮时间/关闭” 调节

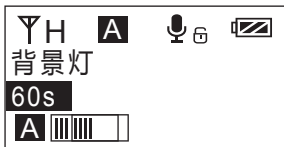
7.1 使用  按键调到“背景灯”界面



7.2 长按按键  进入“背景灯”界面



7.3 使用  按键调节背景点亮的延迟时间，也可以关闭以省电



7.4 短按  按键确定




## 8. 系统语言选择

8.1 使用  按钮调到Language (语言) 界面



8.2 长按按钮  进入Language (语言) 界面




8.3 使用  按钮选择需要的语言




8.4 短按  按钮确定




## 9. 恢复出厂设置

9.1 使用  按键调到“恢复出厂设置”界面



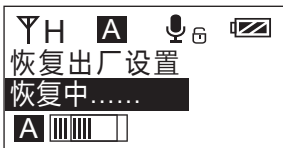
9.2 长按按键  进入“恢复出厂设置”界面




9.3 使用  按键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

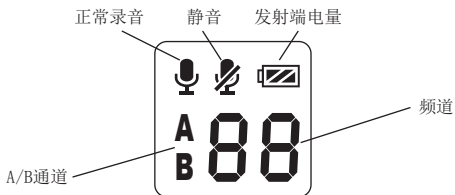
10.1 使用  按键调到“版本号”界面查看本机固件的版本





## 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

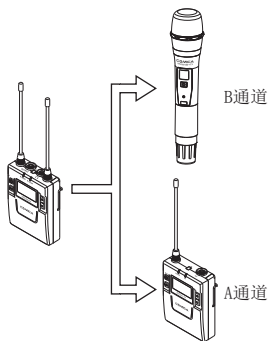
1.2 在开机状态，短按电源开关  进行静音切换



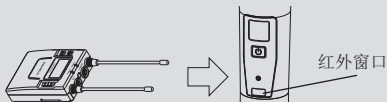
 静音必须在屏幕亮显的时候才能操控，按下任何按键使屏幕亮显，再短按  按键切换静音模式。

## 2. 红外对码

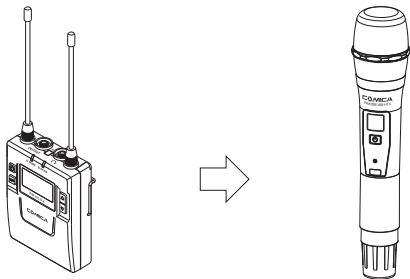
- 2.1 手持发射器默认开机通道是B通道，可根据接收器进行通道及频道设置（如使用接收器A通道进行对码，对码成功后，即为：A通道 CHXX；如使用接收器B通道进行对码，对码成功后，即为：B通道 CHXX）
- 2.2 手持发射器与领夹发射器混用时，两种发射器要设置到不同的通道下



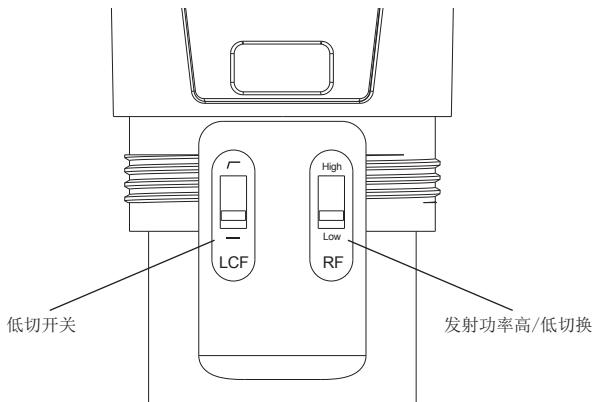
👉 对码的时候接收器要对着手持发射器的红外接受窗，不能被遮挡住。



## 2.3 频道设置通过红外同步完成

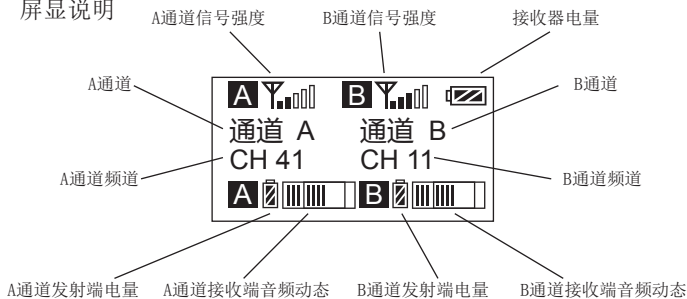


## 2.4 拨动开关定义



# 接收器

## 屏显说明

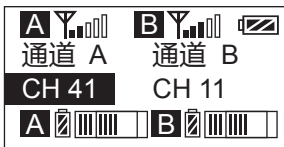



👉 当A/B通道打开时，图标背景颜色为黑色；当A/B通道关闭时，图标背景颜色是透明的或无背景色。

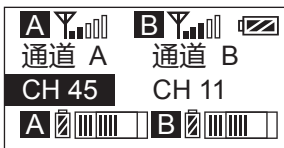
## 操作说明

### 1. 手动调节接收器A/B 通道 的频道

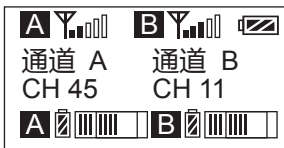
1.1 长按按键  进入CH设置界面，再次长按切换“通道A/通道B”




1.2 使用  按键选择本机频道

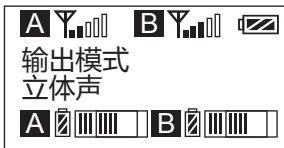


1.3 短按  按键确定

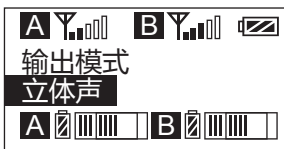



## 2. 输出音频模式 “输出模式” 调节

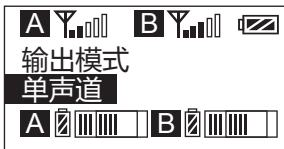
2.1 使用  按键调到“输出模式”界面



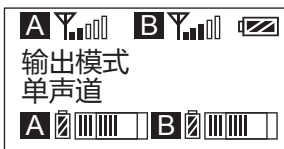
2.2 长按  按键进入“输出模式”界面




2.3 使用  按键选择立体声/单声道输出

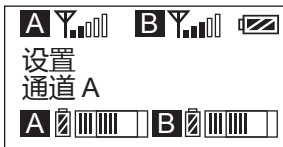


2.4 短按  按键确定

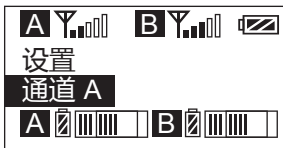



### 3. A/B通道功能设置

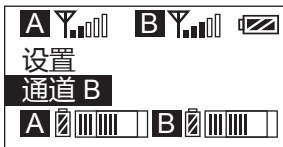
- 3.1 使用  按键调到“设置”界面



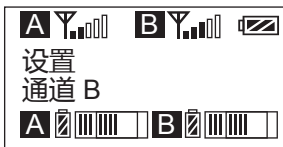
- 3.2 长按  按键进入“设置”界面




- 3.3 使用  按键选择要编辑的通道

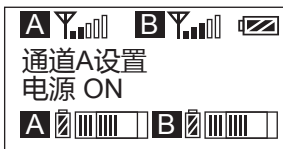


- 3.4 短按  按键确定

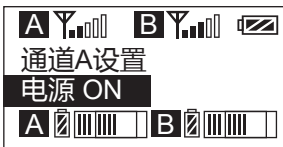



## 4. A/B通道 “开/关” 调节

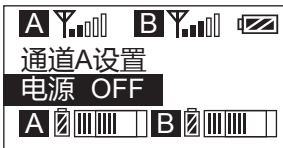
4.1 使用  按键调到“通道设置-电源”界面



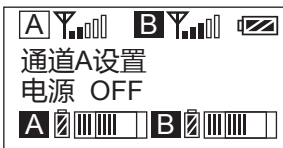
4.2 长按  按键进入“通道设置-电源”界面



4.3 使用  按键选择是否关闭通道




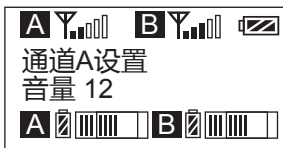
4.4 短按  按键确定



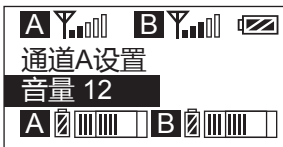


## 5. A/B通道音量调节

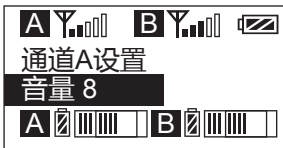
5.1 使用  按键调到“通道设置-音量”界面



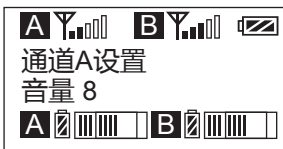
5.2 长按  按键进入“通道设置-音量”界面




5.3 使用  按键调整音量大小



5.4 短按  按键确定

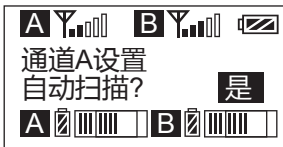


## 6. A/B通道自动通道扫描

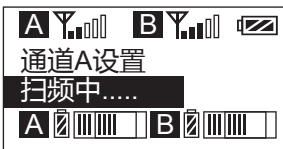
6.1 使用  按钮调到“通道设置-自动扫描”界面



6.2 长按  按钮进入自动通道扫描




6.3 短按  按钮进行自动通道扫描

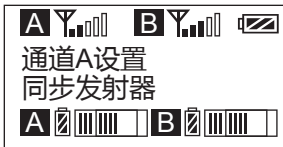


6.4 扫描完毕会使用扫描到的最佳通道

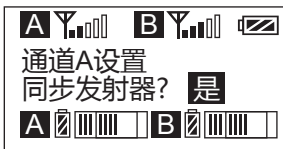




## 7. A/B通道红外对码

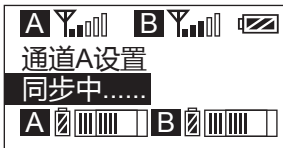
7.1 使用  按钮调到“通道设置-同步发射器”界面



7.2 长按  按钮进入通道红外对码界面




7.3 使用  按钮选择是否对码，短按  按钮确定

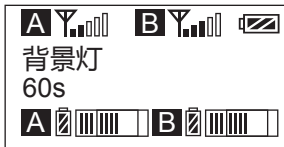


7.4 对码成功后提示

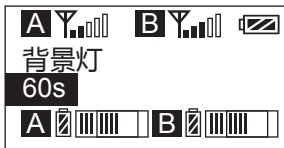



## 8. 背景灯光“点亮时间/关闭”调节

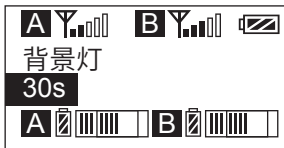
8.1 使用  按键调到“背景灯”界面



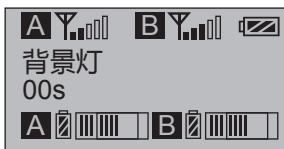
8.2 长按按键  进入“背景灯”界面



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

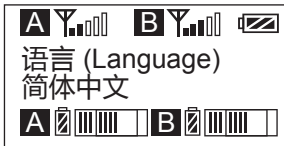


8.4 短按  按键确定

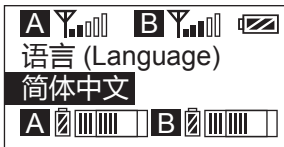



## 9. 系统语言选择

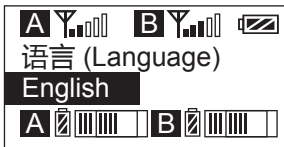
9.1 使用  按钮调到Language (语言) 界面



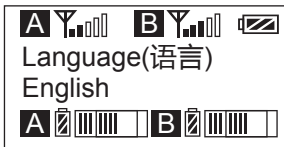
9.2 长按按钮  进入Language (语言) 界面




9.3 使用  按钮选择需要的语言

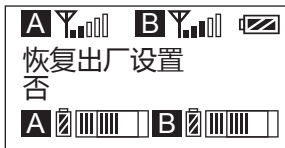


9.4 短按  按钮确定

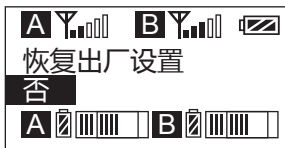



## 10. 恢复出厂设置

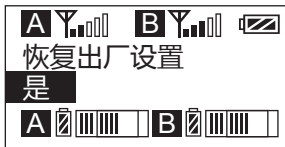
10.1 使用  按键调到“恢复出厂设置”界面



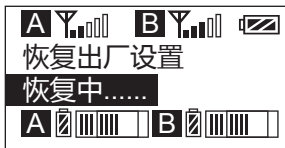
10.2 长按按键  进入Reset界面




10.3 使用  按键选择是否恢复出厂设置

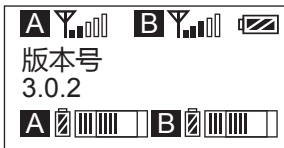


10.4 短按  按键确定, 即可恢复出厂设置



## 11. 固件版本号

11.1 使用  按键调到“版本号”界面查看本机固件的版本



## 技术规格

### 领夹发射器 TX

信噪比	>65dB
天线	1/4 波长导线天线
杂散辐射	<-60dBc
声音延迟	<20ms
音频失真	<0.5%
电池	聚合物锂电池 3.7V 1800mAh
尺寸	84 x 63.5 x 23mm
工作温度	0℃ ~ 50℃
存储温度	-20℃ ~ 60℃



## 手持发射器 TX

信噪比	>65dB
天线	PCB 天线
杂散辐射	<-60dBc
声音延迟	<20ms
音频失真	<0.5%
电池	两节 AA 电池
尺寸	$\Phi$ 53.5 (MAX) x 253mm
工作温度	0 °C ~ 50 °C
存储温度	-20 °C ~ 60 °C

## 接收器 RX

信噪比	>65dB
天线	1/4 波长导线天线
接收灵敏度	-95dBm
杂散辐射	<-60dBc
声音延迟	<20ms
音频失真	<0.5%
电池	聚合物锂电池 3.7V 1800mAh
尺寸	84 x 63.5 x 23mm
工作温度	0 °C ~ 50 °C
存储温度	-20 °C ~ 60 °C









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