

CVM-WM100

UHF Wireless Microphone



USER MANUAL

Specification

Hand-held Transmitter HTX

Channels	48
Wireless Frequency	520.000MHz ~ 534.100MHz
Transmitting Power	15dBm

Lavalier Transmitter TX

Channels	48
Wireless Frequency	520.000MHz~534.100MHz
Transmitting Power	15dBm

Receiver RX

Channels	48
Wireless Frequency	520.000MHz~534.100MHz

Foreword

Thanks for purchasing the COMICA WM100 UHF wireless microphone.
To ensure the security of the product, please carefully read the user manual ,correctly install and operate the item.

Main Features

- . 48 Channels for Several Devices Work Together
- . Working Range Up to 100m without Staccato
(100m in Open Area, 60m in Area with Obstacle)
- . Support Real-time Monitor
- . Volume Dynamic Monitor
- . RF Signal Strength Adjusted in Transmitter End
- . Muting Mode
- . 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;
- ⚠ 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 turn off the WIFI nearby;
- ⚠ 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, and pay attention to set the mobile phone mode to 'Flight Mode' to avoid incoming call interference (it may not be compatible with most of the android systems in Default Recording Mode, the third-party APP is recommended to be used in this case);
- ⚠ Do not expose the device in rain or humid environment, otherwise there will be a danger of short circuit;
- ⚠ Please keep this product in dry environment;

Packing List

Main Body



Hand-held Transmitter



Lavalier Transmitter



Receiver

Purchase Options :

WM100 = TX + RX



TX

+



RX

WM100H = HTX + RX



HTX

+



RX

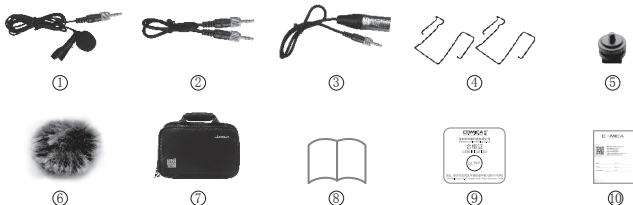
WM100-HTX:



HTX

Accessories

- ① 3.5mm Audio Mic
- ② 3.5mm-3.5mm Audio Output Cable
- ③ 3.5mm-XLR Audio Output Cable
- ④ Waist Belt Clip
- ⑤ Cold Shoe Mount
- ⑥ Wind Muff
- ⑦ Portable Case
- ⑧ User Manual
- ⑨ Certification
- ⑩ Warranty Card



The accessories of each combination include :

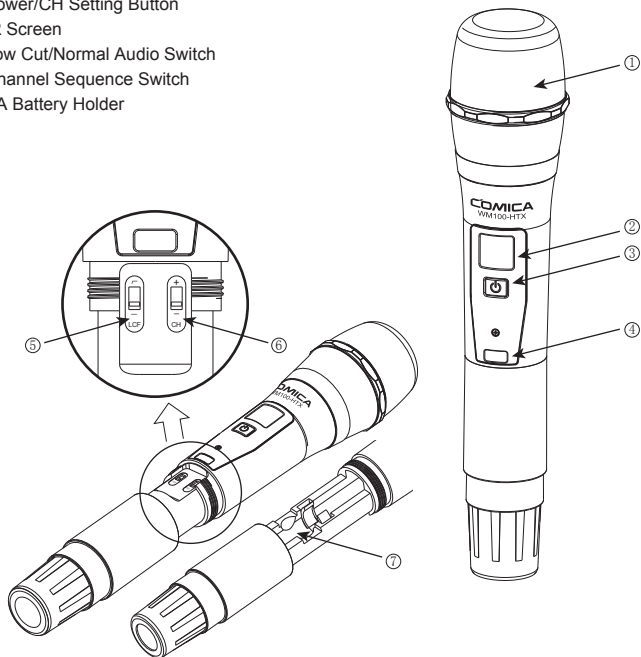
WM100 = ① + ② + ③ + ④ X2 + ⑤ + ⑥ + ⑦ + ⑧ + ⑨ + ⑩

WM100H = ② + ③ + ④ + ⑤ + ⑦ + ⑧ + ⑨ + ⑩

Components

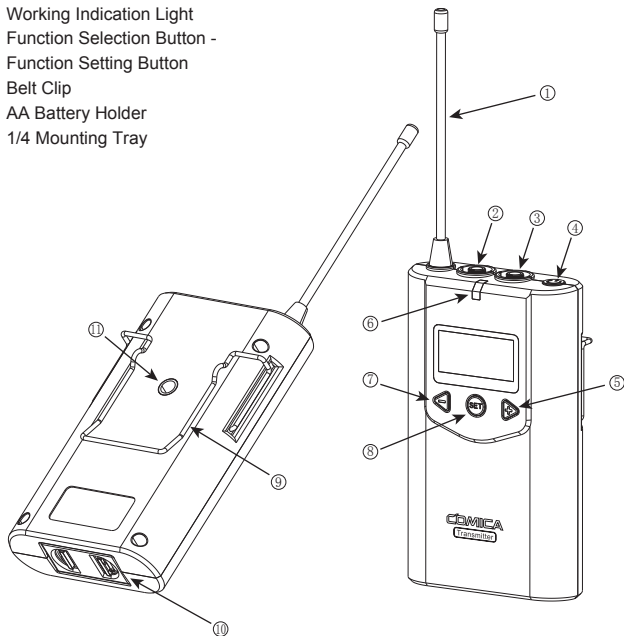
Hand-held Transmitter

- ① Microphone
- ② LCD Display
- ③ Power/CH Setting Button
- ④ IR Screen
- ⑤ Low Cut/Normal Audio Switch
- ⑥ Channel Sequence Switch
- ⑦ AA Battery Holder



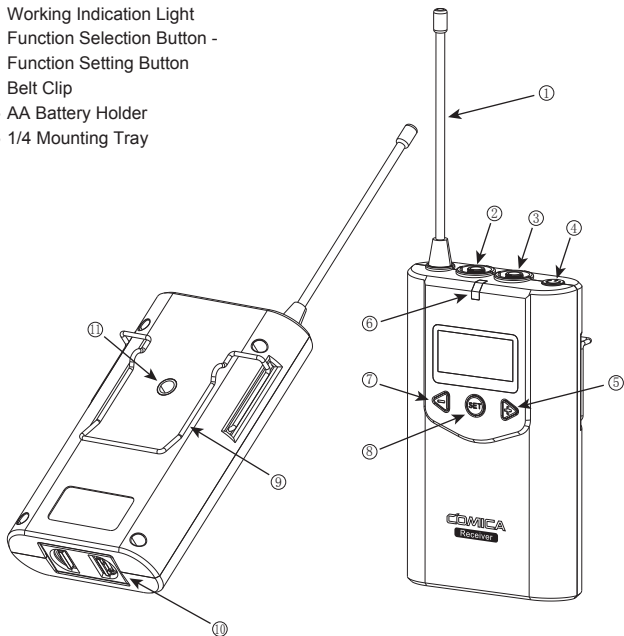
Lavalier Transmitter

- ① Antenna
- ② LINE IN Input
- ③ MIC Input
- ④ Power/Muting Button
- ⑤ Function Selection Button +
- ⑥ Working Indication Light
- ⑦ Function Selection Button -
- ⑧ Function Setting Button
- ⑨ Belt Clip
- ⑩ AA Battery Holder
- ⑪ 1/4 Mounting Tray



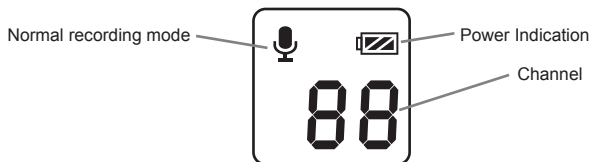
Receiver

- ① Antenna
- ② 3.5mm Audio Output
- ③ 3.5mm Audio Monitor Output
- ④ Power Button
- ⑤ Function Selection Button +
- ⑥ Working Indication Light
- ⑦ Function Selection Button -
- ⑧ Function Setting Button
- ⑨ Belt Clip
- ⑩ AA Battery Holder
- ⑪ 1/4 Mounting Tray



Screen Display Instruction

Hand-held Transmitter HTX:



Lavalier Transmitter TX :

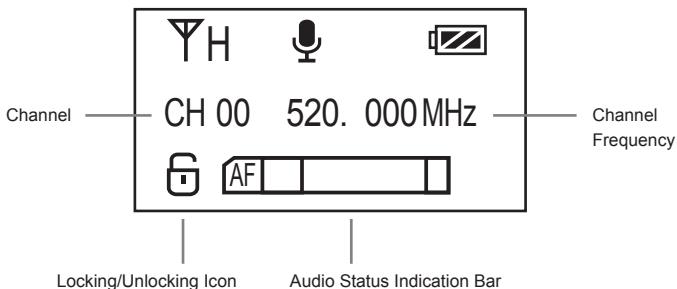
RF Transmitting Strength High Icon: 

RF Transmitting Strength Low Icon: 

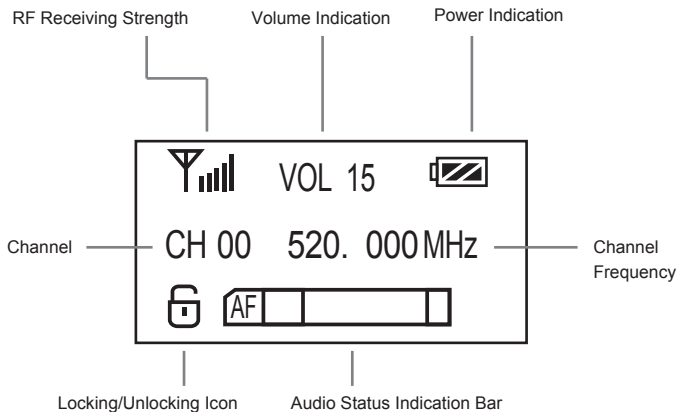
Normal Audio Mode Icon: 

Muting Mode Icon: 

Power Indication



Receiver RX:



Indication Light Instruction

Green Light Keeps On	Work Normally
Green Light Flicker (Only for Receiver)	Channels Not Match
Red Light Keeps On	Muting Mode
Red Light Flicker	Low-power

Function Button Instruction

Lavalier Transmitter and Receiver	Power/Muting Button	Long Press	Power On/Off
		Short Press	Muting (Unlocking Mode)
	Set Button	Long Press	Locking/Unlocking Function Setting (Unlocking Mode)
		Short Press	Function Selection (Unlocking Mode)
	+ Button	Short Press	Function Selection
	- Button	Short Press	Function Selection

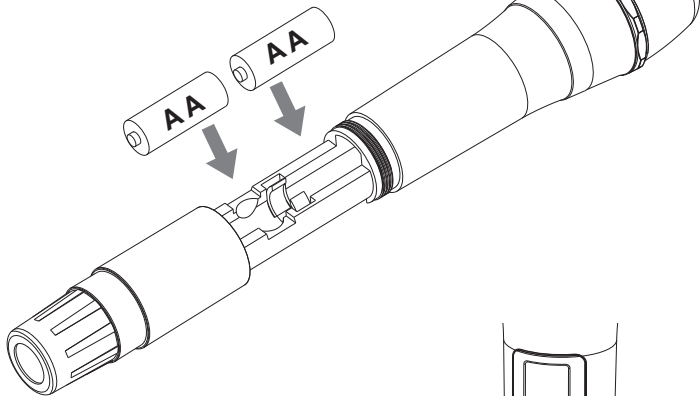
Hand-held Transmitter	Power/CH Setting Button 	Long Press	Power On / Off
		Short Press	Channel Sequence Switch
	“Low cut/ Normal” Sound Switch 	Push-up	Low cut
		Push-down	Normal
	Channel Sequence 	Push-up	Order-up
		Push-down	Order-down

Low-cut Function:

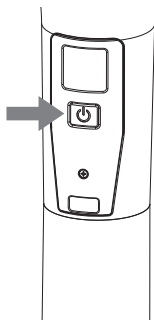
The low frequency part of the noise is reduced, and the sound is clearer and more efficient

Hand-held Transmitter

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



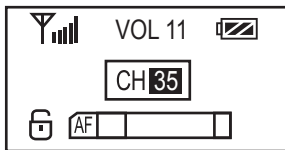
Step 2. Long press the button to turn on the hand-held transmitter



Step 3. Matching with the receiver

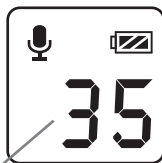


Hand-held transmitter' channel



Receiver' channel

3.1. Short press power button to switch the channel

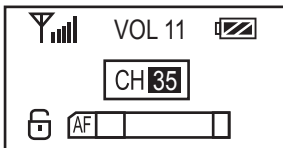


Channel switch

3.2. Set HTX and RX into same channel



Hand-held transmitter' channel



Receiver' channel

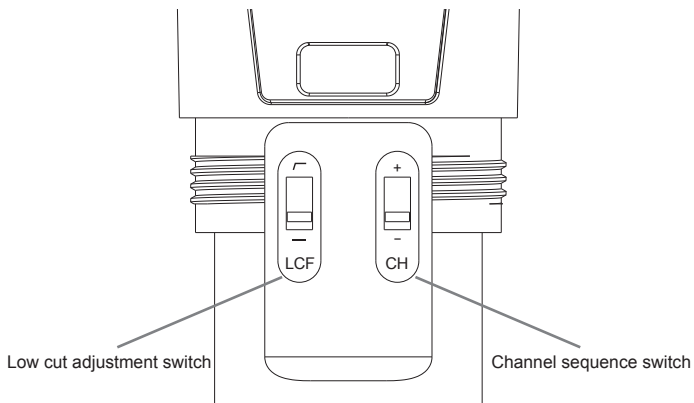
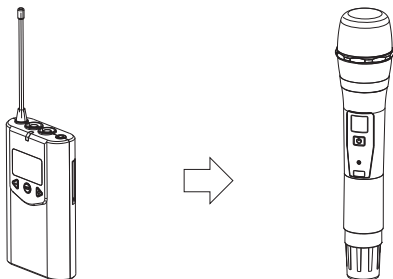


Hand-held transmitter



Receiver

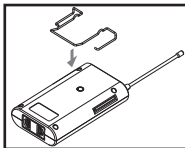
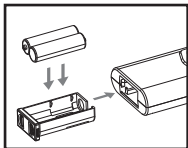
3.3. The light will turn to green after successful match



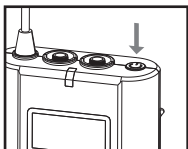
For convenient operation, please open the battery cover to adjust the channel sequence

Lavalier Transmitter

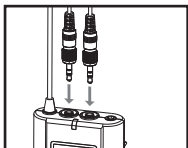
Step 1: Install Batteries into Battery Holder by following the '+' and '-' Icon, and clip the belt clip onto back of transmitter;



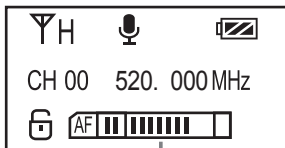
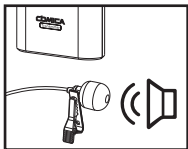
Step 2: Long-press the power button to open the transmitter;



Step 3: According to your own requirement, to choose to connect the Mic cable onto 'Line in' or 'Mic' Input;



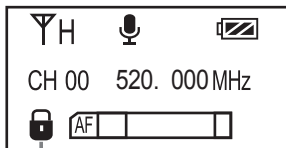
Step 4: Record with the Mic , and pay attention to the 'Audio Status Indication Bar' to check if the transmitter works;



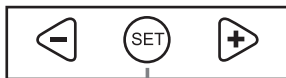
Volume dynamic display bar

Step 5: Refer to the Function Button Instruction to set the relative functions, for example: CH Adjustment, RF Strength Adjustment, LCF Adjustment;

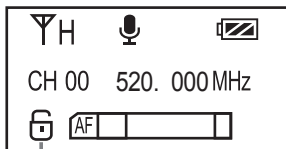
5.1. Unlock:



Lock

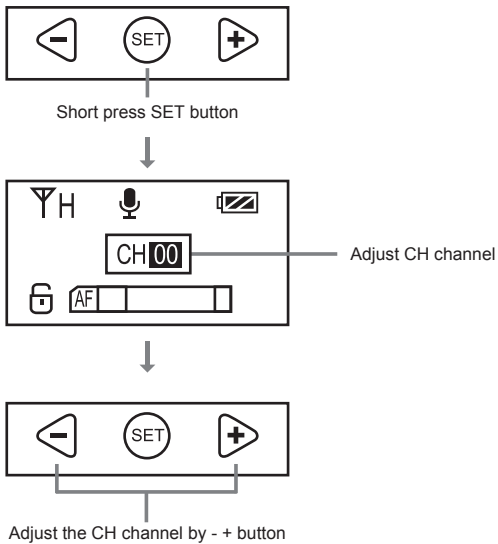


Long press SET button

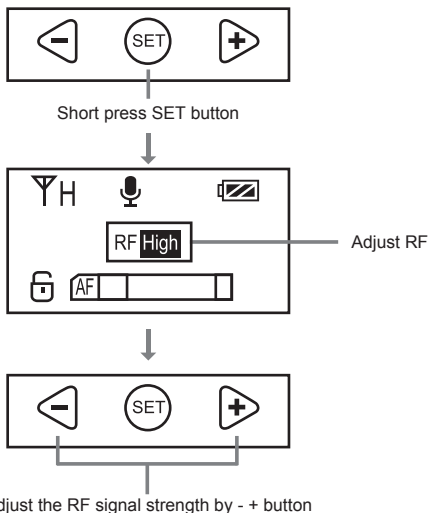


Unlock

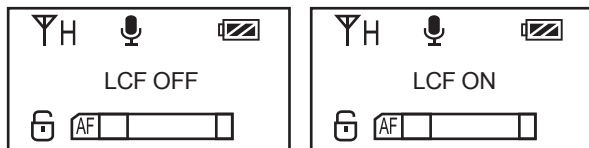
5.2. CH Adjustment:



5.3. RF Strength Adjustment:



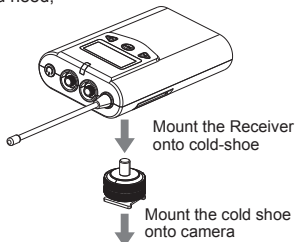
5.4. LCF (Low-cut Filter)



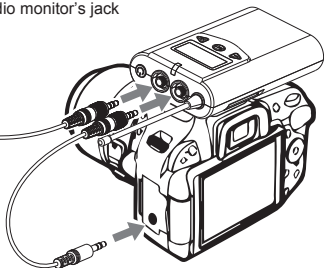
The voice become more crisp with LCF ON, the voice become more vigorous with LCF OFF.

Receiver

Step 1: Install the Receiver onto the device via cold-shoe, and connect one end of the audio cable into output jack, connect another end of the audio cable into device's audio input jack; And plug your earphone into the audio monitor's jack for audio monitor if you need;

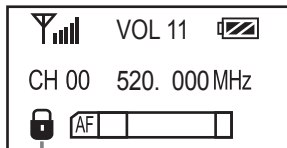


Connect one end of the audio cable into Output Jack,
Connect another end of the audio cable into device's audio input jack

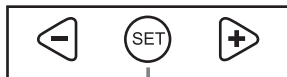


Step 2: Set CH to match the channels, and adjust VOL to set the volume until you're satisfied;

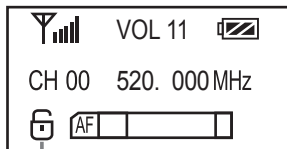
2.1 Unlock:



Lock

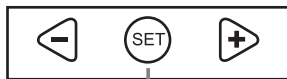


Long press SET button

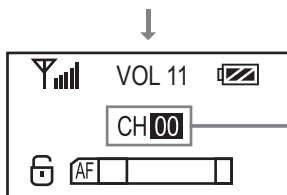


Unlock

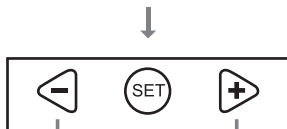
2.2 Set CH to match the channels:



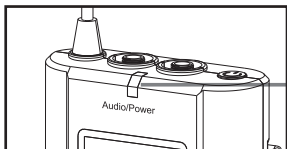
Short press SET button



Adjust CH channel



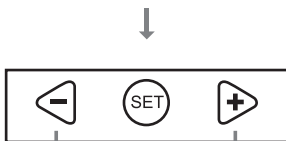
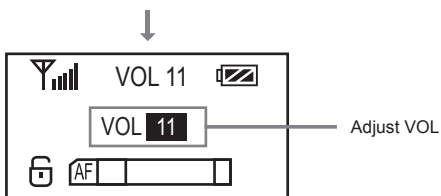
Adjust CH by - + to match the Transmitter



Green Light keeps on

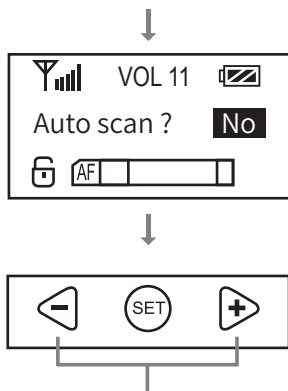
The Green Light will keep on after channel matched.

2.3 Set the volume until you're satisfied :



Adjust volume by - + button, Short press SET to confirm

2.4 Automatic Channel Scan;



Select whether auto-scanning by - + button, and short press SET button to confirm



You can use auto-scanning to find channels with less interference when the surrounding wireless interference is serious

Specification

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℃ ~ 50℃
Storage Temperature	-20℃ ~ 60℃

Lavalier Transmitter TX

Signal / Noise	> 65dB
Antenna	1/4 Wavelength Antenna
Stray Radiation	< -60dBc
Sound Delay	< 20ms
Audio Distortion	< 0.5%
Audio Input Socket	3.5mm Jack
Batteries	AA Batteries x 2pcs
Size	111.5 x 65 x 25.3mm
Working Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +60°C

Receiver RX

Signal / Noise	> 65dB
Antenna	1/4 Wavelength Antenna
Receiving Sensitivity	-95dBm
Sound Delay	< 20ms
Audio Distortion	< 0.5%
Frequency Range	20Hz ~ 18KHz
Audio Output	3.5mm Jack
Batteries	AA Batteries x 2pcs
Size	111.5 x 65 x 25.3mm
Working Temperature	0°C ~ +50°C
Storage Temperature	-20°C ~ +60°C

CVM-WM100

UHF无线麦克风



使用手册

前 言

感谢您购买COMICA/科唛 WM100 UHF 无线麦克风；

为保证产品的安全，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

- 48频道，可进行多场合多机位混用
- 拾音距离高达100m（空旷无干扰环境高达100米，有障碍环境可达60米）
- 可实时监听
- 音量动态监测
- RF发射信号强度可调
- 静音模式
- 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；
- ⚠ 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，并关闭附近的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默认录音模式，建议此时于第三方APP模式下使用）；
- ⚠ 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；
- ⚠ 请在干燥环境中对该产品进行储存；

包装清单

主体



手持发射器



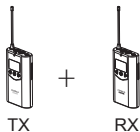
领夹发射器



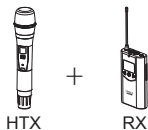
接收器

搭配选择:

WM100 = TX + RX



WM100H = HTX + RX



WM100-HTX:



HTX

配件:

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



①



②



③



④



⑤



⑥



⑦



⑧



⑨



⑩

每一个型号的配件包括:

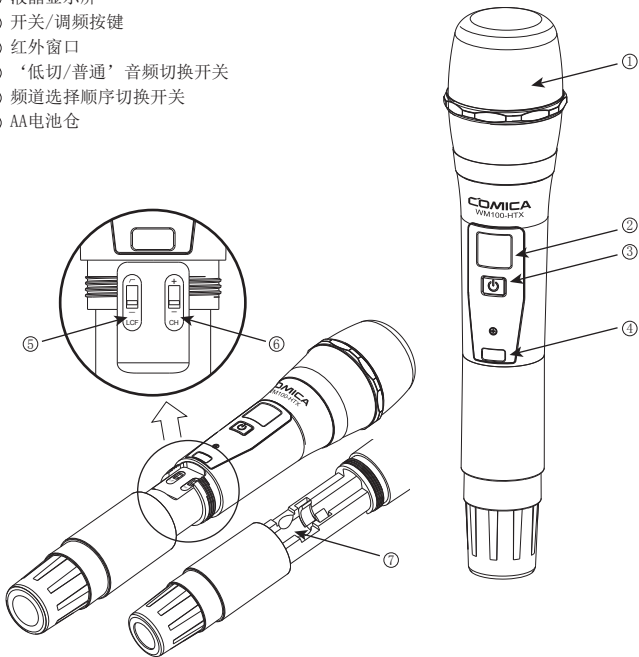
WM100 = ① + ② + ③ + ④ X2 + ⑤ + ⑥ + ⑦ + ⑧ + ⑨ + ⑩

WM100H = ② + ③ + ④ + ⑤ + ⑦ + ⑧ + ⑨ + ⑩

部件说明

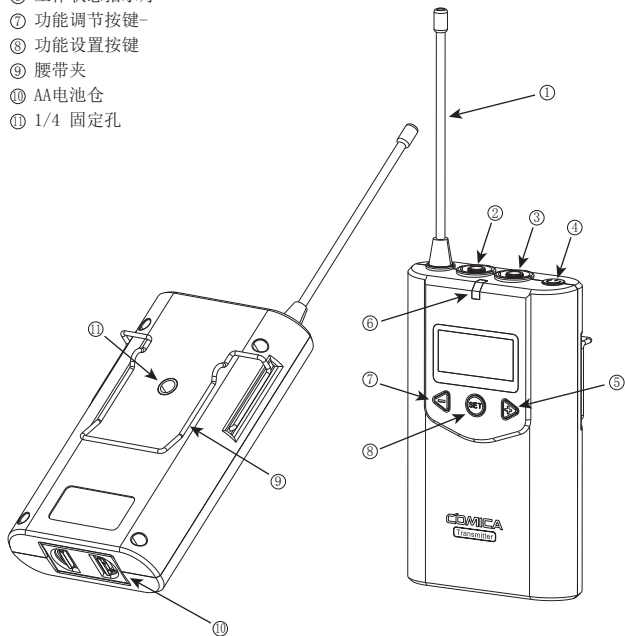
手持发射器

- ① 麦克风拾音筒
- ② 液晶显示屏
- ③ 开关/调频按键
- ④ 红外窗口
- ⑤ ‘低切/普通’音频切换开关
- ⑥ 频道选择顺序切换开关
- ⑦ AA电池仓



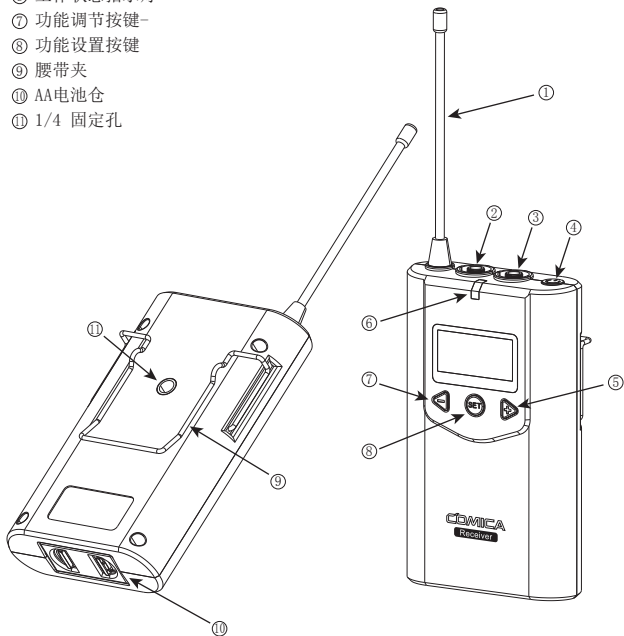
领夹发射器

- ① 天线
- ② LINE IN（外音）输入
- ③ MIC输入
- ④ 开关/静音按键
- ⑤ 功能调节按键+
- ⑥ 工作状态指示灯
- ⑦ 功能调节按键-
- ⑧ 功能设置按键
- ⑨ 腰带夹
- ⑩ AA电池仓
- ⑪ 1/4 固定孔



接收器

- ① 天线
- ② 3.5mm音频输出接口
- ③ 3.5mm监听接口
- ④ 开关按键
- ⑤ 功能调节按键+
- ⑥ 工作状态指示灯
- ⑦ 功能调节按键-
- ⑧ 功能设置按键
- ⑨ 腰带夹
- ⑩ AA电池仓
- ⑪ 1/4 固定孔

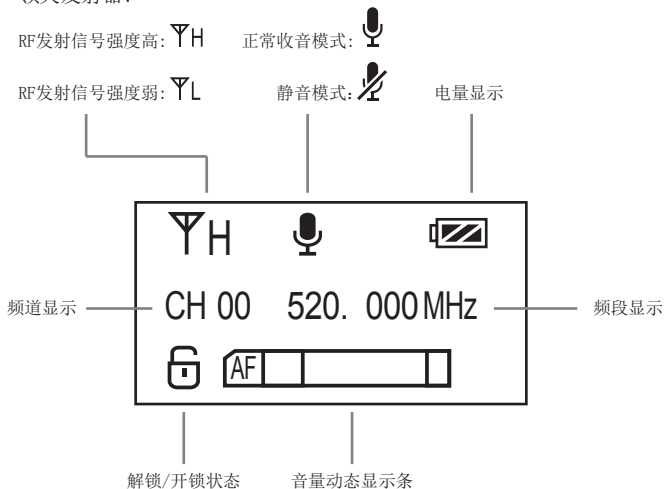


屏显说明

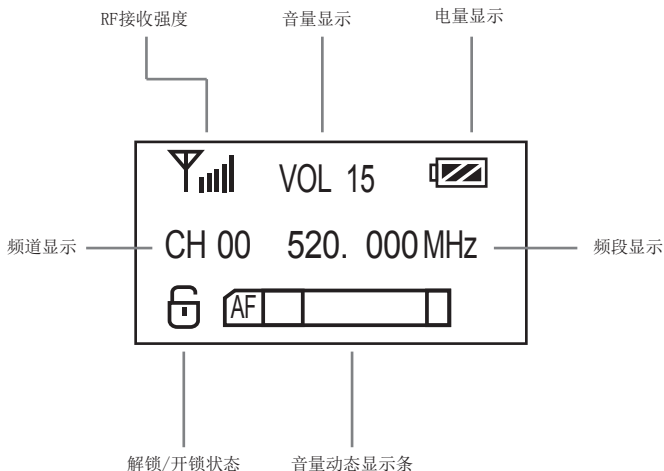
手持发射器:



领夹发射器:



接收器:



指示灯定义

绿灯长亮	正常工作
绿灯闪烁（仅限接收器）	频段配对不成功
红灯长亮	静音
红灯闪烁	低电量

按键说明

领夹发射器与接收器	开关/静音按键	长按	开机/关机
		短按	静音（开锁后生效）
	SET 按键	长按	解锁/开锁/功能调节选择（开锁后生效）
		短按	功能页面切换（开锁后生效）
	+ 按键	短按	功能调节
	- 按键	短按	功能调节

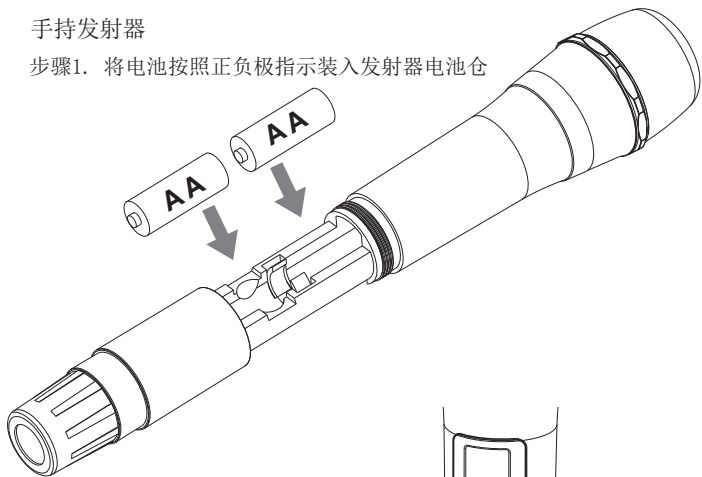
手持发射器	开关/频道调节按键 	长按	开机 / 关机
		短按	频道切换
	“低切/普通”声音切换开关 	上推	低切
		下推	普通
	频道顺序切换开关 	上推	上推增序
		下推	下推降序

低切功能作用：

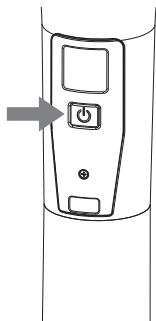
针对声音低频部分进行适当切除，降低低频部分环境噪音，使声音更加干净清晰

手持发射器

步骤1. 将电池按照正负极指示装入发射器电池仓



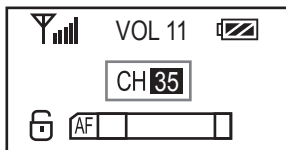
步骤2. 长按电源开关打开手持发射器



步骤3. 手持发射器与接收器进行频道匹配

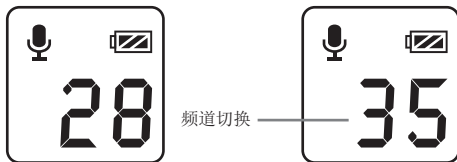


手持发射器频道



接收器频道

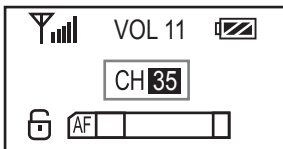
3. 1. 短按电源键 切换频道



3.2. 将手持发射器与接收器设置为同一频道



手持发射器频道



接收器频道



手持发射器

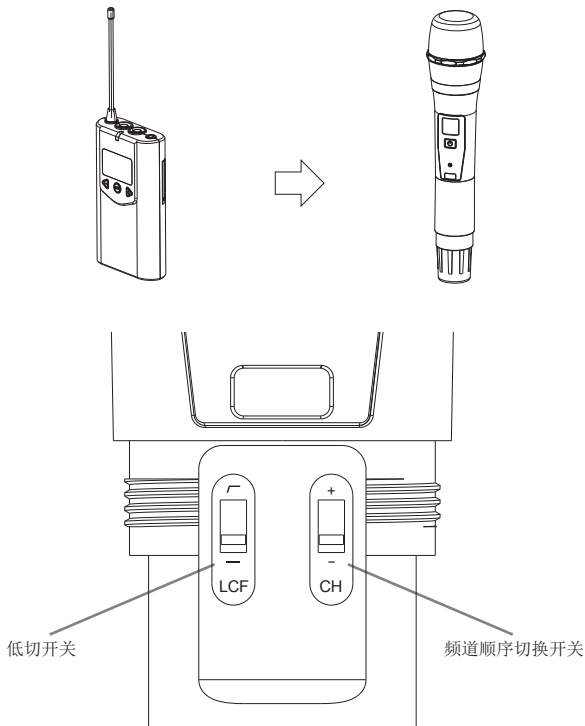


频道匹配



接收器

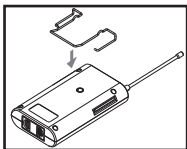
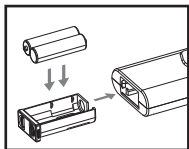
3.3. 成功对码后，接收器的绿灯将常亮



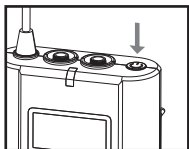
为了方便频道调节，请打开电池仓盖壳调节频道顺序

领夹发射器

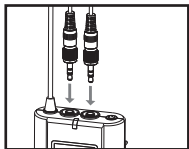
1. 将电池按照正负极指示装入发射器电池仓，并将腰带夹安装至发射器背部；



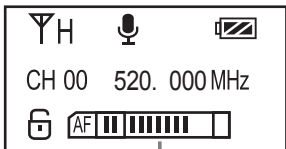
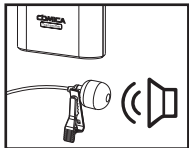
2. 长按电源开关打开发射器；



3. 根据使用要求，将MIC输入线接入‘LINE IN’ 或者 ‘MIC’ 接口；



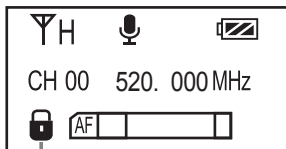
4. 将MIC对准音源，根据屏幕上的音量指示条检测发射器是否正常工作；



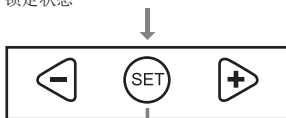
音量动态显示条

5. 参考按键说明，进行相应功能调节，如：解锁、CH频道调节、RF信号强度调节、LCF强度调节；

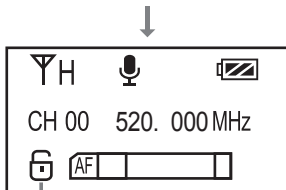
5.1. 解锁：



锁定状态

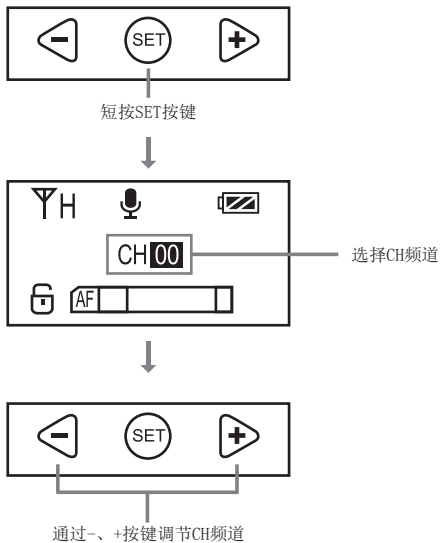


长按SET按键

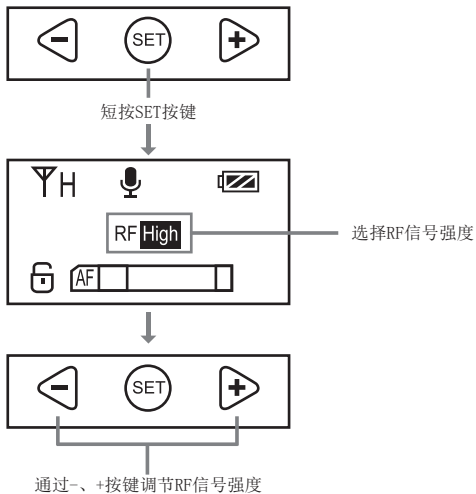


解锁状态

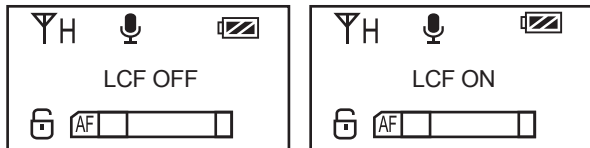
5. 2. CH频道调节:



5. 3. RF信号强度调节:



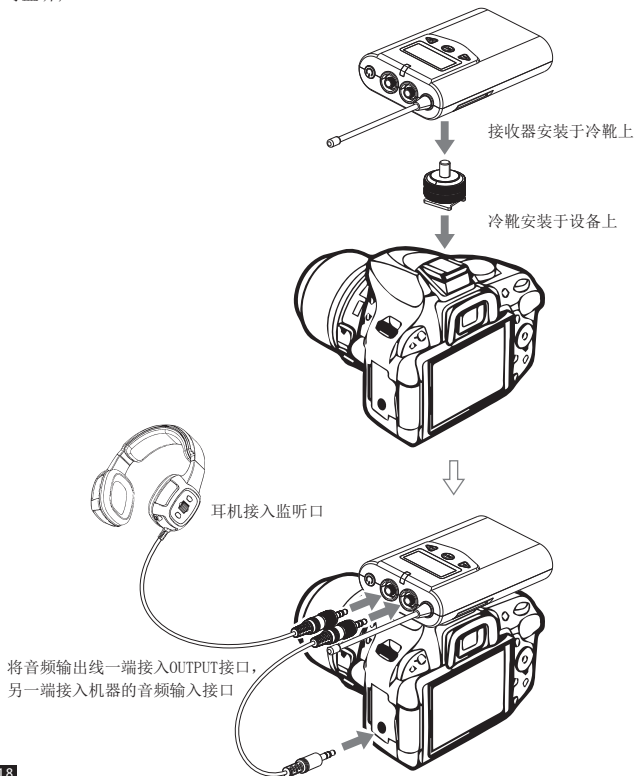
5. 4. LCF低切功能:



👉 当LCF低切功能打开时，声音较清脆；当LCF低切功能关闭时，声音比较浑厚。

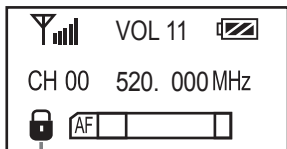
接收器

1. 将接收器通过冷靴安装于设备上，将音频输出线一端接入OUTPUT接口，另一端接入机器的音频输入接口；根据需要，可将耳机接入监听口进行录制过程中的实时监听；

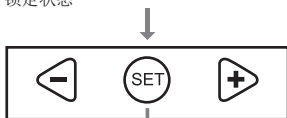


2. 调节CH进行频道匹配，并通过调节VOL将音量调至最佳状态；

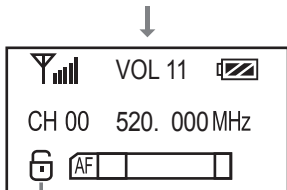
2.1 解锁：



锁定状态

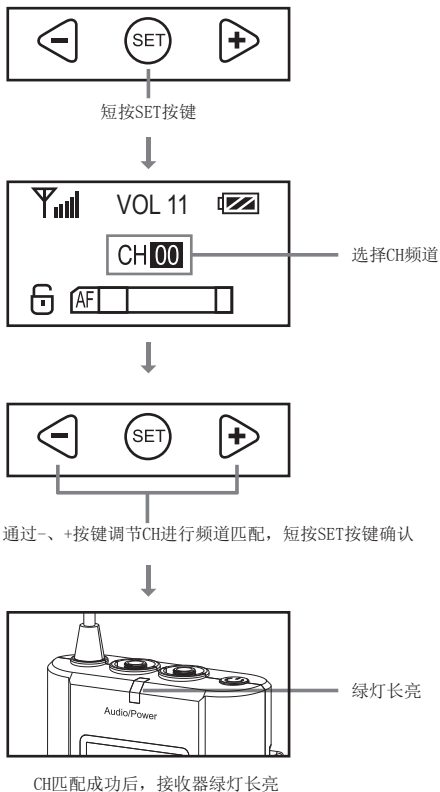


长按SET按键

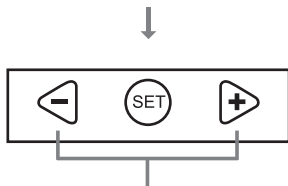
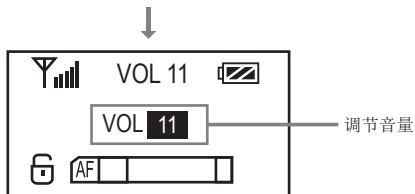


解锁状态

2.2 调节CH进行频道匹配CH，匹配成功后，接收器绿灯长亮；

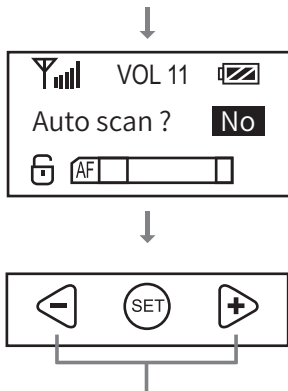


2.3 调节VOL将音量调至最佳状态；



通过-、+按键调节音量，短按SET按键确认

2.4 自动频道扫描:



通过-、+按键选择是否自动频道扫描, 短按SET按键确认

👉 当周围无线干扰较严重时, 可使用自动频道扫描, 即可找到相对受干扰较小的频道

手持发射器 HTX

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	Φ 53.5 (MAX) x 253mm
工作温度	0℃ ~ +50℃
存储温度	-20℃ ~ +60℃

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%
音频输入接口	3.5mm接口
电池	两节AA电池
尺寸	110 x 65 x 25mm
工作温度	0℃ ~ +50℃
存储温度	-20℃ ~ +60℃

接收器RX

信噪比	>65dB
天线	1/4波长导线天线
接收灵敏度	-95dBm
声音延迟	<20ms
音频失真	<0.5%
频率响应	20Hz ~ 18KHz
音频输入接口	3.5mm接口
电池	两节AA电池
尺寸	110 x 65 x 25mm
工作温度	0℃ ~ +50℃
存储温度	-20℃ ~ +60℃

产品技术参数

手持发射器 HTX

频道数	48
载波频率	520.000MHz ~ 534.100MHz
发射功率	15dBm

领夹发射器TX

频道数	48
载波频率	520.000MHz~534.100MHz
发射功率	15dBm

接收器RX

频道数	48
载波频率	520.000MHz~534.100MHz



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