COMICA

PROFESSIONAL AUDIO EQUIPMENT

# CVM-WM100

## UHF 48-Channels Wireless Microphone


# USER MANUAL

# Foreword

Thanks for purchasing the COMICA WM100 UHF wireless microphone.

WM100 utilizes UHF wireless technology and LCD lattice screen, it comes with totally 48 channels and 16-levels adjustable volume, built-in with ‘Adjustable RF Strength’, ‘Local Audio Testing’, ‘Real-time Audio Monitor’ functions,etc., which takes you more professional and convenient recording;

To ensure the security of the product, please carefully read the user manual ,correctly install and operate the item.

# Main Features

. 48 Channels for Multiple Devices Work Together;
. Working Distance Up to 100m; (100m in Open Area, 60m in Barrier Area)
. Local Audio Test in Transmitter End;
. Real-time Audio Status Monitor in Receiver End;
. Real-time Audio Monitor;
. 16-levels Adjustable Volume;
. RF Signal Strength Adjusted in Transmitter End;
. Muting Mode;
. Lattice LCD Display, High Resolution;


48 Channels


100m Working Distance


Local Audio Testing


Wireless Audio Monitor


Real-time Monitor


16-levels Adjustable Audio Volume


Muting Mode

Lattice LCD

# Notice

⚠ The antenna will affect working distance, be sure to protect it and avoid any man-made damage;

⚠ Working distance will be affected by surround environment, make sure the background is open with no interference, and turn off the device's WIFI during usage;

⚠ RF strength is advised to set to 'Low' for short working-distance request, which can help decrease power dissipation and increase power duration;

⚠ While working with smartphone, one must purchase the TRS-TRRS audio cable adapter separately;

⚠ Take notice of the batteries' 'positive and negative poles' to avoid reverse, otherwise the product maybe damaged;

⚠ Keep the product in dry environment;

⚠ Don't expose the product or work with it in Rain to avoid short-circuit;

# In Packing List

Main Body

Transmitter

Receiver

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 x 2pcs
⑤ Camera Mount x 2pcs
⑥ Wind Muff
⑦ Portable Case
⑧ User Manual
⑨ Warranty Card

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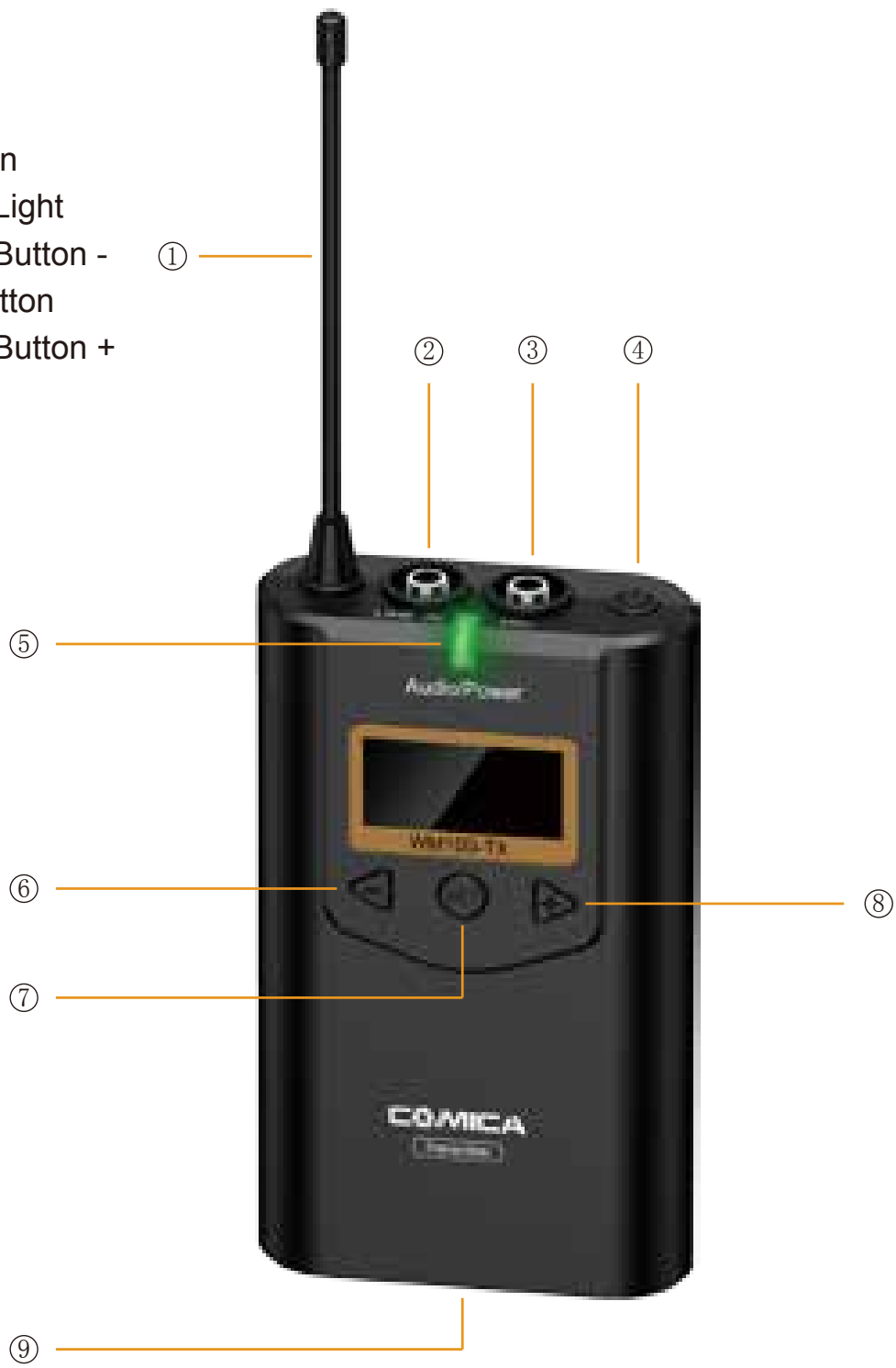
# Components

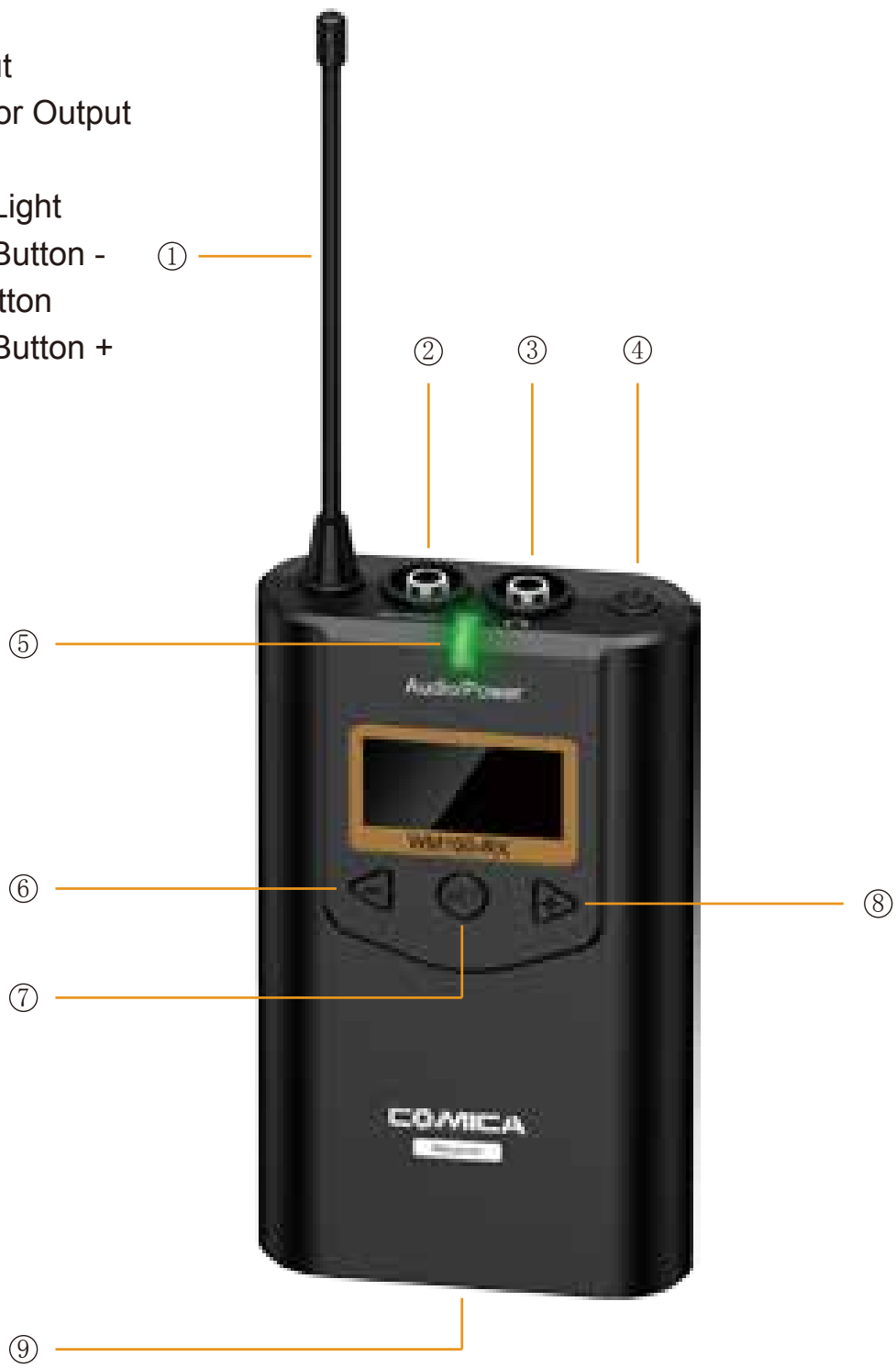
## Transmitter

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



## Receiver

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



# Screen Display Instruction

## Transmitter

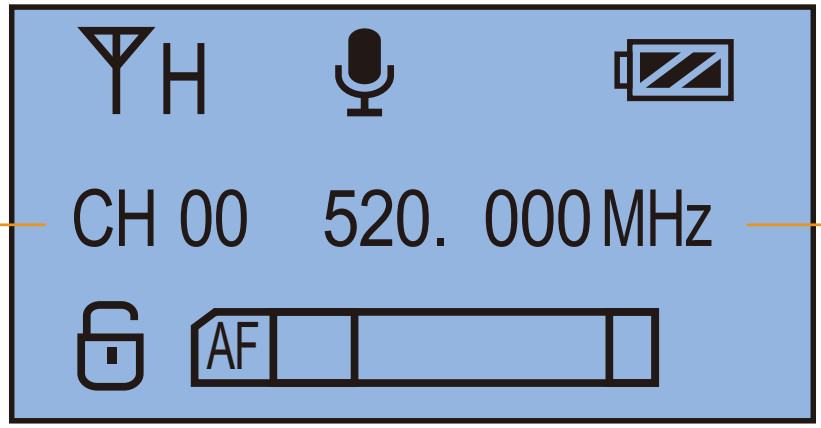
RF Transmitting Strength High Icon: H

RF Transmitting Strength Low Icon: L

Normal Audio Mode Icon:

Muting Mode Icon:

Power Indication



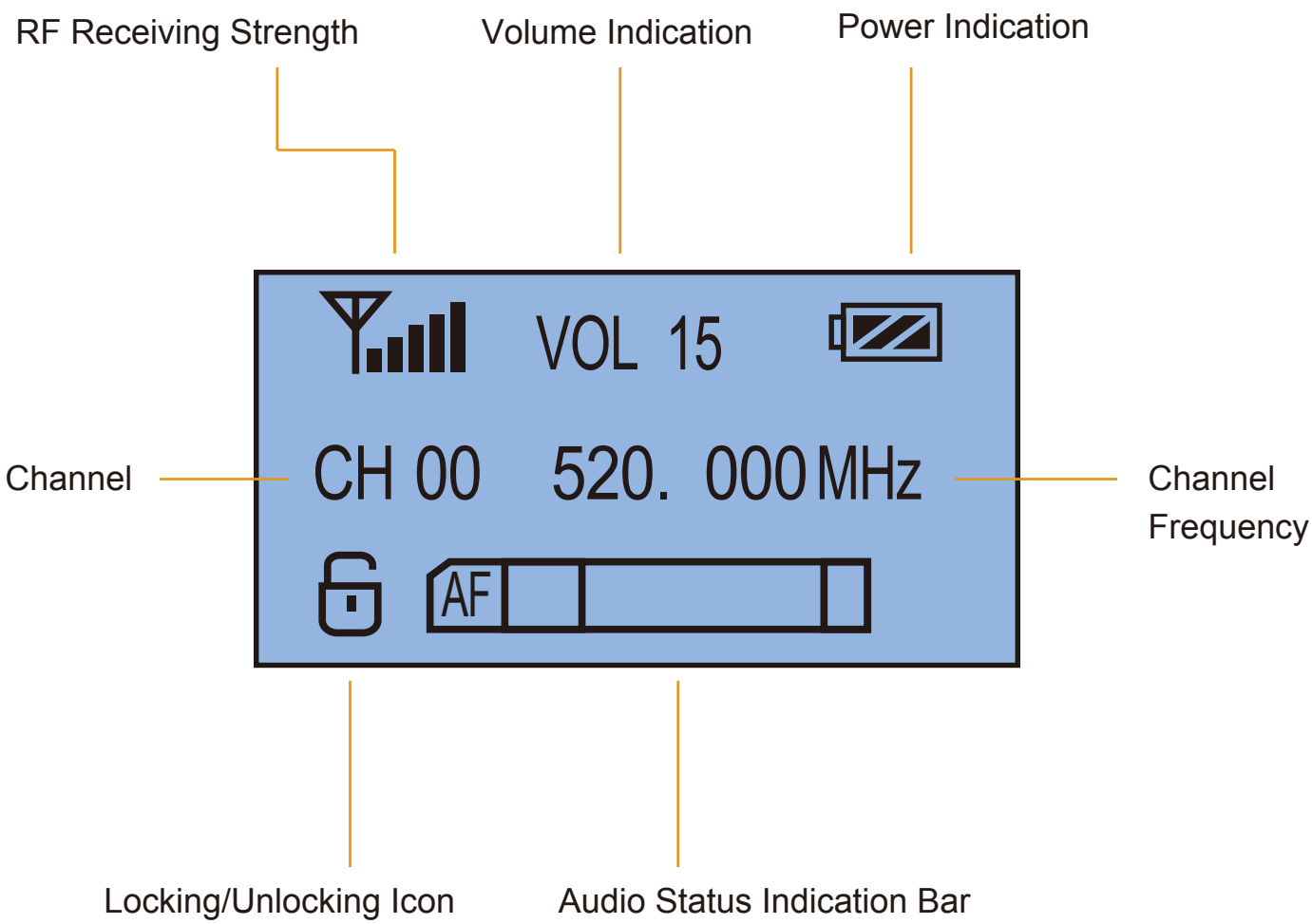

Channel

Channel Frequency

Locking/Unlocking Icon

Audio Status Indication Bar

## Receiver


RF Receiving Strength
Volume Indication
Power Indication
VOL 15
Channel
CH 00
520. 000 MHz
Channel Frequency
AF
Locking/Unlocking Icon
Audio Status Indication Bar

## Function Button Instruction

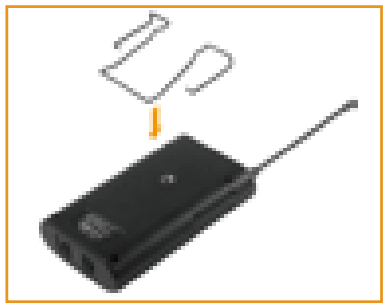
| | | |
|---|---|---|
| Power/Muting Button | Long Press | Power On/Off |
| | Short Press | Muting（Unlocking Mode） |
| Set Button | Long Press | Locking/Unlocking<br>Function Setting （Unlocking Mode） |
| | Short Press | Function Selection（Unlocking Mode） |
| + Button | Short Press | Function Selection |
| - Button | Short Press | Function Selection |

## Indication Light Instruction

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

## Transmitter

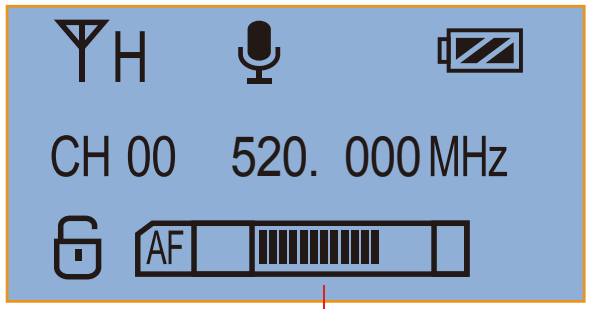
Step 1: Install Batteries into Battery Holder by following the '+' and '-' Icon, and clip the waist holder onto back of transmitter ;



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 ;

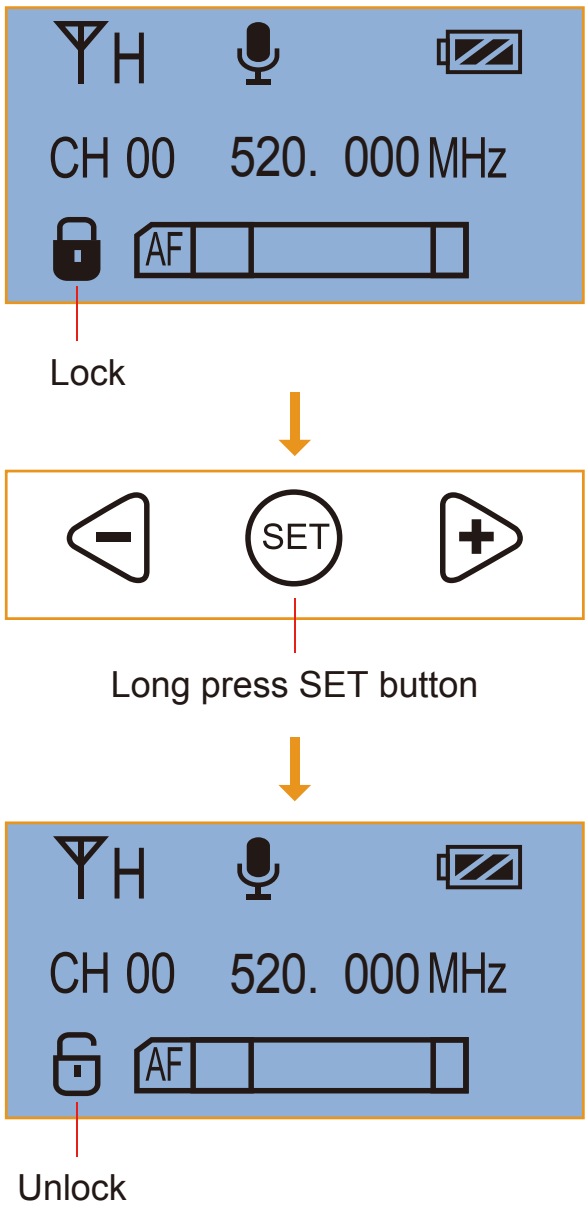
Step 4: Record with the Mic , and pay attention to the 'Audio Status Indication Bar' to check if the transmitter works ;



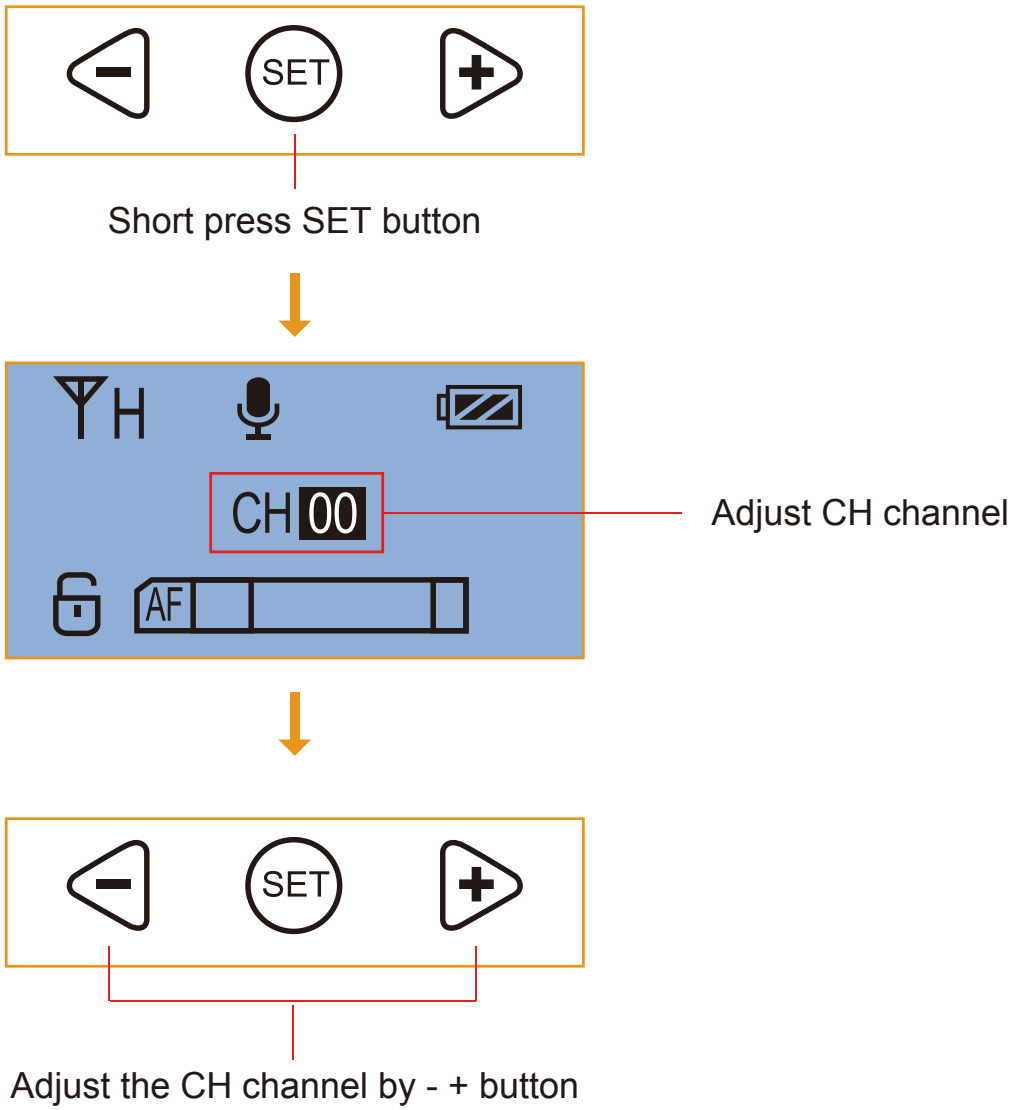

Volume dynamic display bar

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

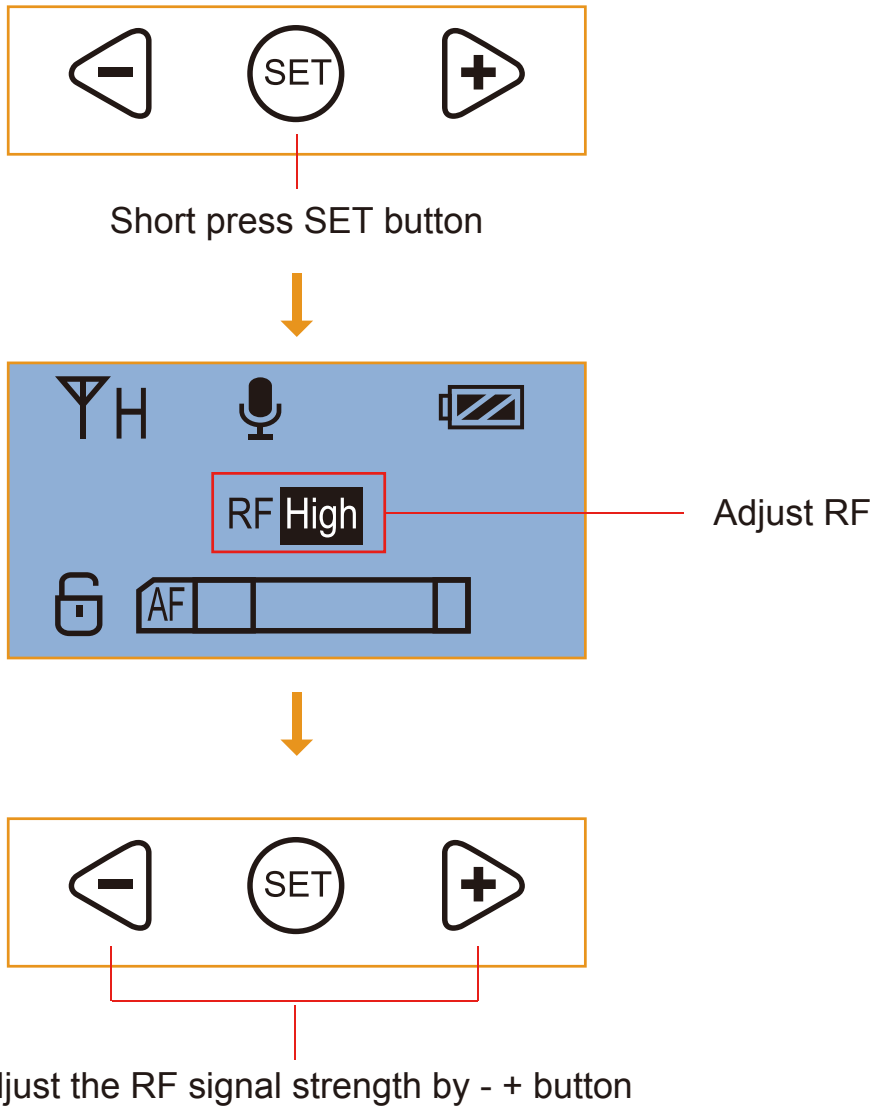
A.Unlock：



B.CH Adjustment：



C.RF Strength Adjustment：

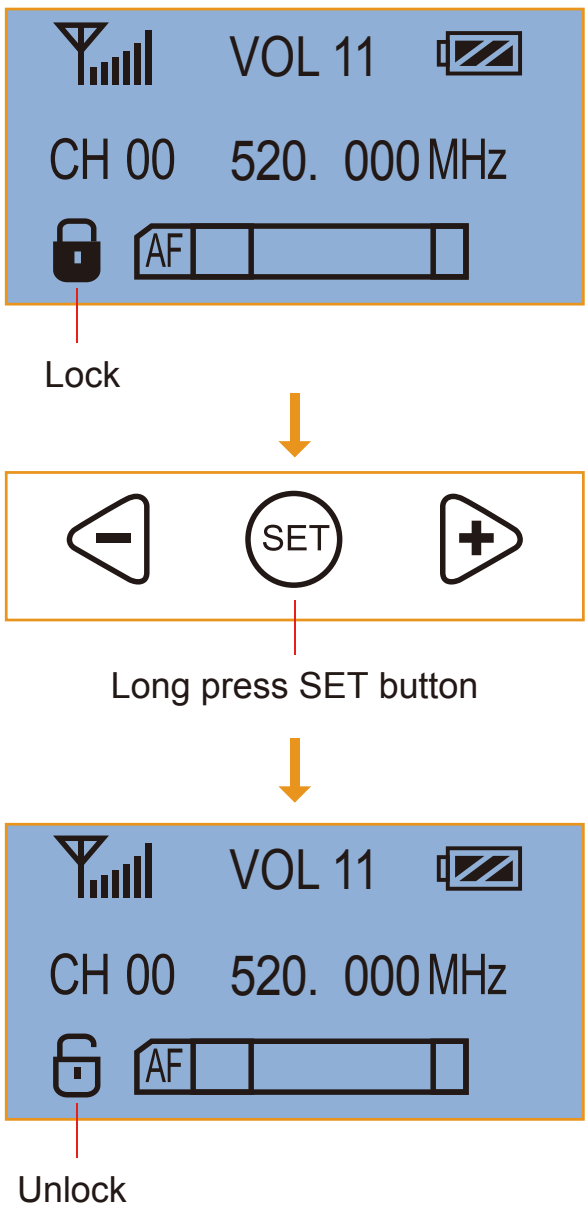


## Receiver

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

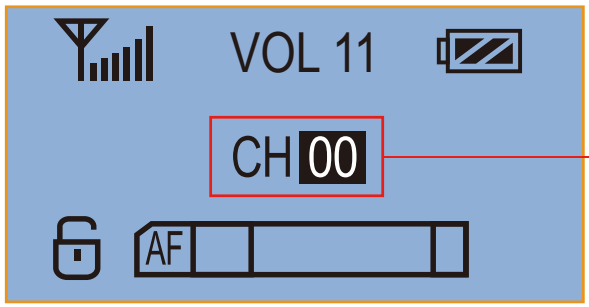
Step 2: Set CH to match the channels, and adjust VOL to set the volume until you're satisfied;

A.Unlock：



B.Set CH to match the channels:


Short press SET button

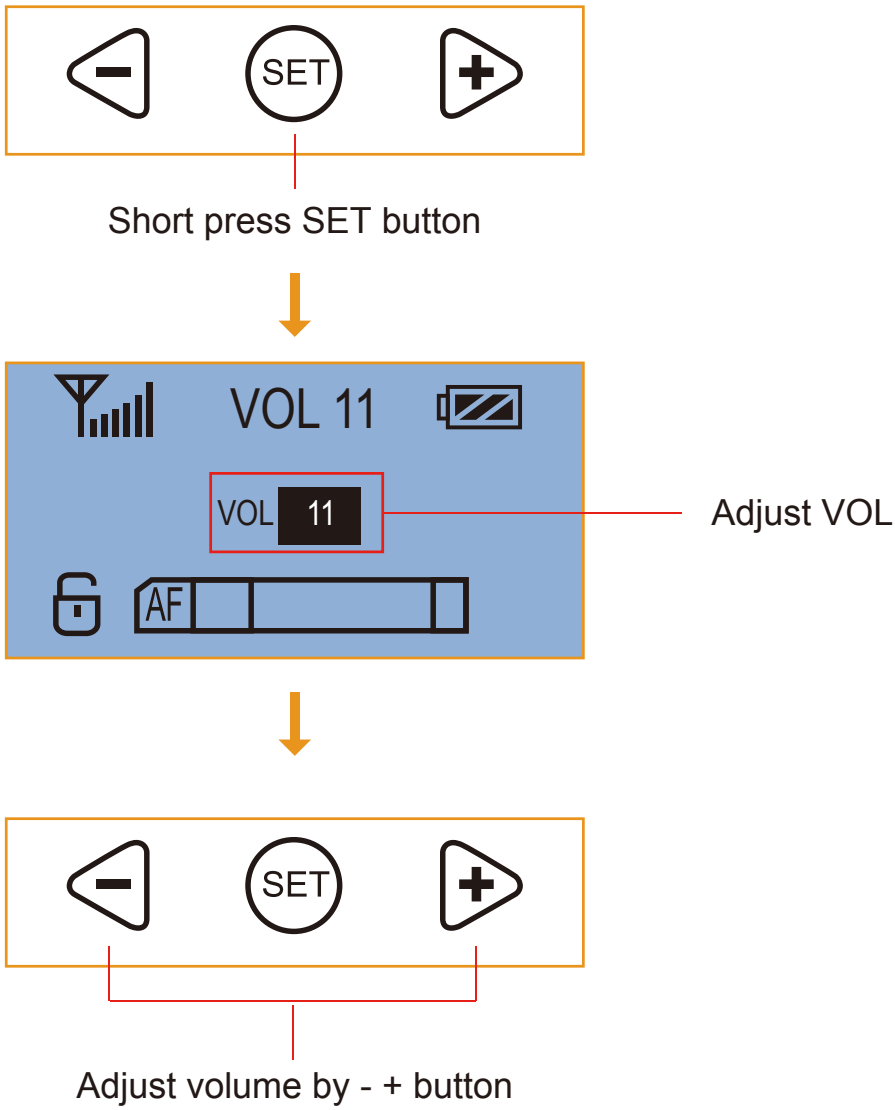



Adjust CH channel


Adjust CH by - + to match the Transmitter

☞ The Green Light will keep on after channel matched.

C.Set the volume until you're satisfied:




Step 3: Go for the normal audio recording.

# Specification

## Transmitter TX

| | |
|---|---|
| Channels | 48 |
| Wireless Frequency | 520.000MHz~534.100MHz |
| Signal / Noise | ＞65dB |
| Antenna | 1/4 Wavelength Antenna |
| Stray Radiation | ＜-60dBc |
| Sound Delay | ＜20ms |
| Audio Distortion | ＜0.5% |
| Audio Input Socket | 3.5mm Socket |
| Batteries | AA Batteries x 2pcs |
| Size | 111.5 x 65 x 25.3mm |
| Working Temperature | 0℃ ~ +50℃ |
| Storage Temperature | -20℃ ~ +60℃ |

# Receiver RX

| | |
|---|---|
| Channels | 48 |
| Wireless Frequency | 520.000MHz~534.100MHz |
| 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 Port |
| Batteries | AA Batteries x 2pcs |
| Size | 111.5 x 65 x 25.3mm |
| Working Temperature | 0℃ ~ +50℃ |
| Storage Temperature | -20℃ ~ +60℃ |

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
The device has been evaluated to meet general RF exposure requirement.The device can be used in portable exposure condition without restriction.