COMICA
PROFESSIONAL AUDIO EQUIPMENT

CVM-WM100
UHF 48-Channels Wireless Microphone

For Camera

For Camcorder

For Smartphone

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 |

⚠ 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

① ② ③ ④ ⑤

⑥ ⑦ ⑧ ⑨

Components

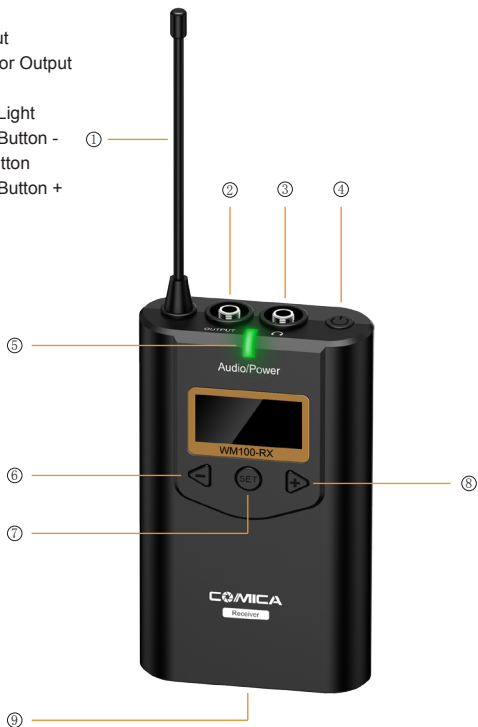### Transmitter

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

4

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 +
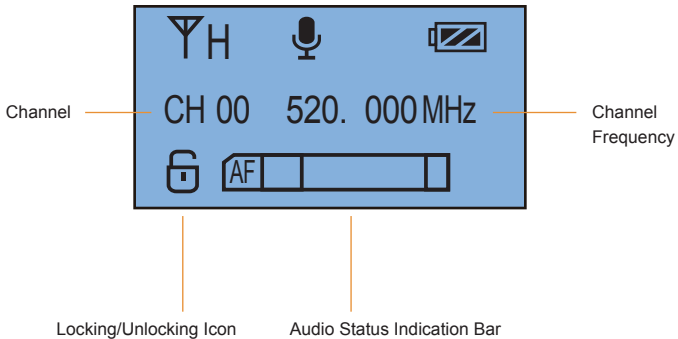⑨ AA Battery Holder

Screen Display Instruction

Transmitter

RF Transmitting Strength High Icon: ΨH

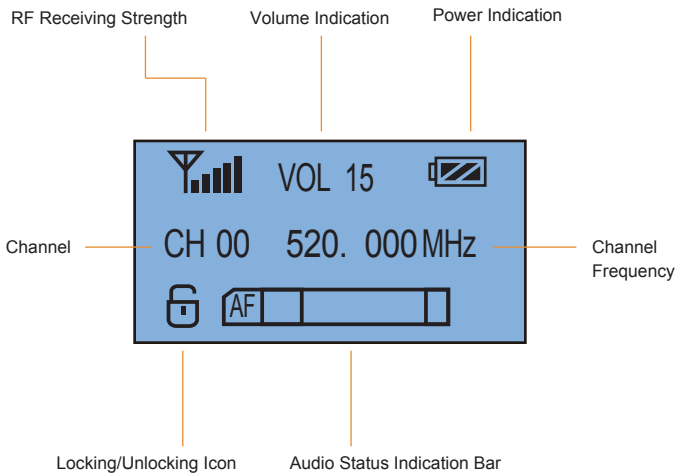

RF Transmitting Strength Low Icon: ΨL

Normal Audio Mode Icon: 🎙

Muting Mode Icon: 🔇

Power Indication
ΨH
CH 00
520. 000 MHz
AF
Channel
Channel Frequency
Locking/Unlocking Icon
Audio Status Indication Bar

Receiver

RF Receiving Strength

Volume Indication

Power Indication

Channel

CH 00   520. 000 MHz

VOL 15

Channel Frequency

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 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 （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 ;
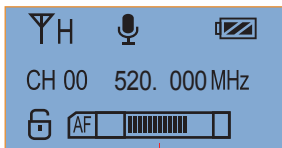

Step 2: Long-press the power button to open the transmitter;

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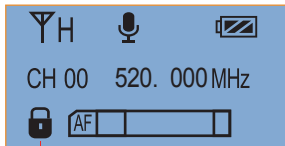

Step 4: Record with the Mic , and pay attention to the 'Audio Status Indication Bar' to check if the transmitter works ;

Volume dynamic display bar

9

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

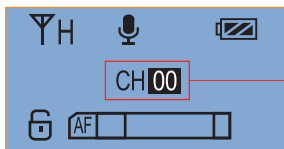A.Unlock：

Lock

Long press SET button

Unlock

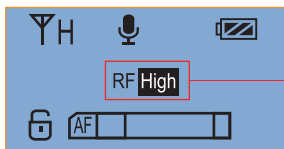B.CH Adjustment：

Short press SET button

Adjust CH channel

Adjust the CH channel by - + button

C.RF Strength Adjustment：

Short press SET button

RF High ————————— Adjust RF
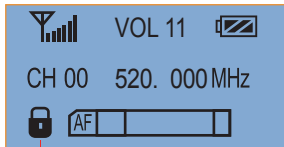

Adjust the RF signal strength by - + button

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;

Mount the cold shoe onto camera

Mount the Receiver onto cold-shoe

The receiver is mounted on the device

Plug your earphone into the audio monitor's socket

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

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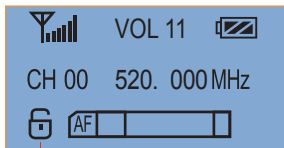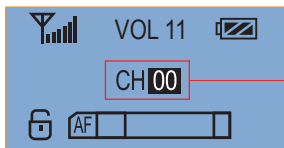
A.Unlock：

Lock

Long press SET button

Unlock

B.Set CH to match the channels：

Short press SET button

CH 00 ———— Adjust CH channel

Adjust CH by - + to match the Transmitter
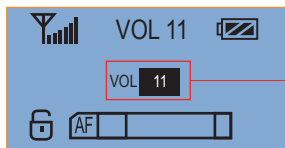

☞ The Green Light will keep on after channel matched.

C.Set the volume until you're satisfied：

Short press SET button

Adjust VOL

Adjust volume by - + button

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
Transmitting Power	10dBm / 15dBm
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℃

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