

# COMICA

PROFESSIONAL AUDIO EQUIPMENT

## 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.

WM100 utilizes UHF wireless technology and LCD lattice screen, it comes with 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

- . Multiple Channels for Several 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;



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 consumption 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



Hand-held Transmitter



Lavalier Transmitter



Receiver



WM100=Lavalier Transmitter+Receiver

WM100H=Handheld Transmitter+Receiver

## Accessories

① 3.5mm Audio Mic

② 3.5mm-3.5mm Audio Output Cable

③ 3.5mm-3.5mm Audio Output Cable

④

⑤

⑥ Wind Muff

⑦ Portable Case

⑧ User Manual

⑨ Warranty Card



①



⑥

②



⑦

③



⑧



④

⑤



⑨

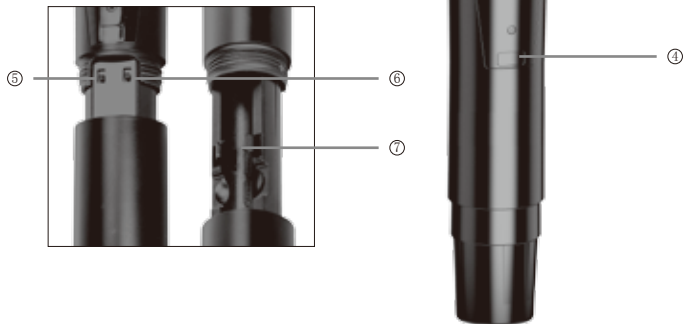


Item ① ⑥ is included only in WM100

### 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 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

### Hand-held Transmitter HTX:



### Lavalier Transmitter TX :

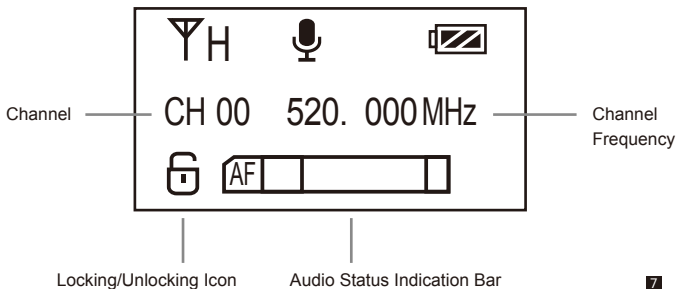
RF Transmitting Strength High Icon: 

RF Transmitting Strength Low Icon: 

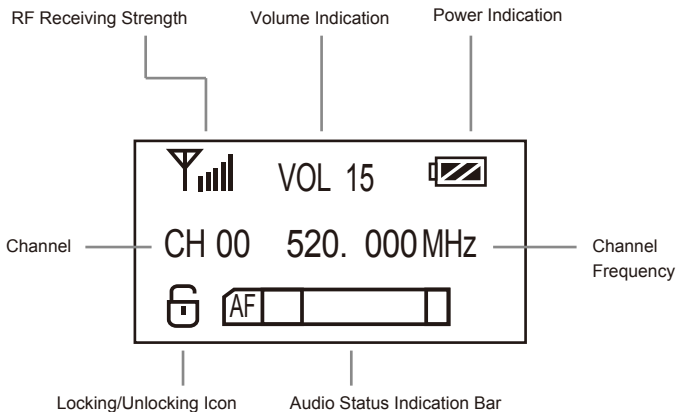
Normal Audio Mode Icon: 

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

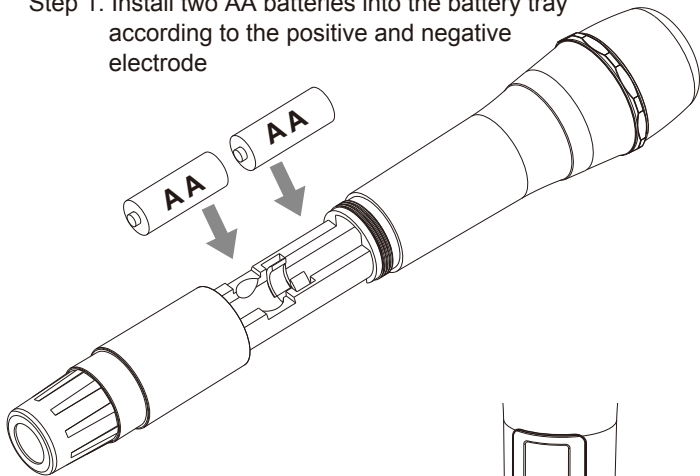


### Low-cut Function:

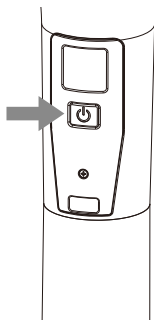
The low frequency part of the noise is reduced, and the sound is clearer and more efficient;

### Hand-held Transmitter

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



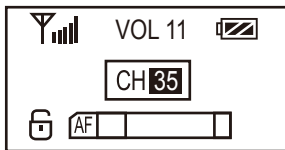
Step 2. Long press the button to turn on the hand-held transmitter



### Step 3. Matching with the receiver

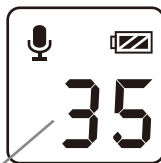


Hand-held transmitter' channel



Receiver' channel

A. Short press power button to switch the channel

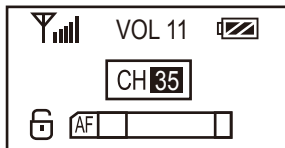


Channel switch

B. Set HTX and RX into same channel



Hand-held transmitter' channel



Receiver' channel

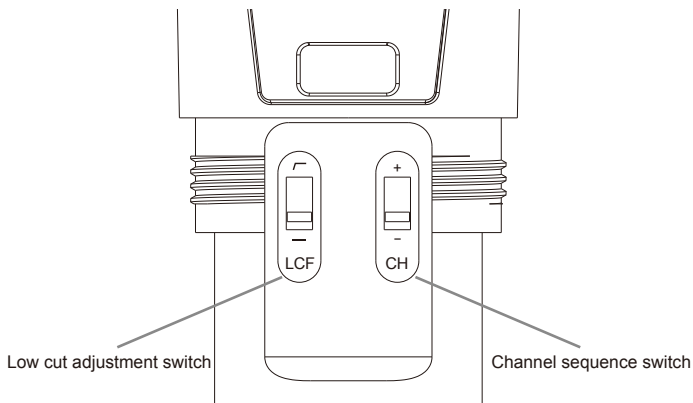
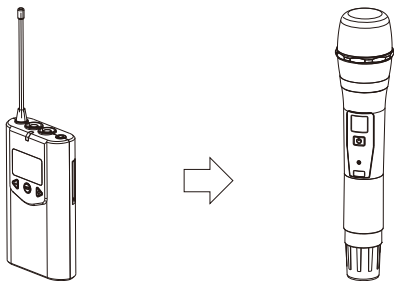


Hand-held transmitter



Receiver

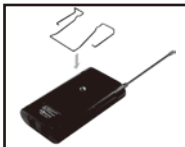
C. The green light of RX will turn on after successful match



For simple channel setting, 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 waist holder onto back of transmitter ;



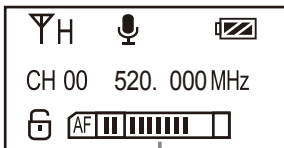
Step 2: Long-press the power button to open the transmitter;



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 ;

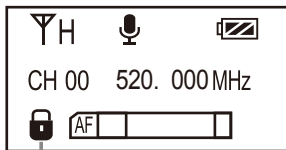


Volume dynamic display bar



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

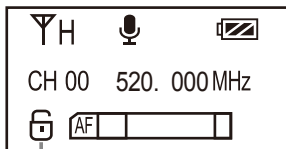
A. Unlock:



Lock



Long press SET button

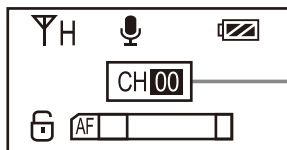


Unlock

B. CH Adjustment:



Short press SET button

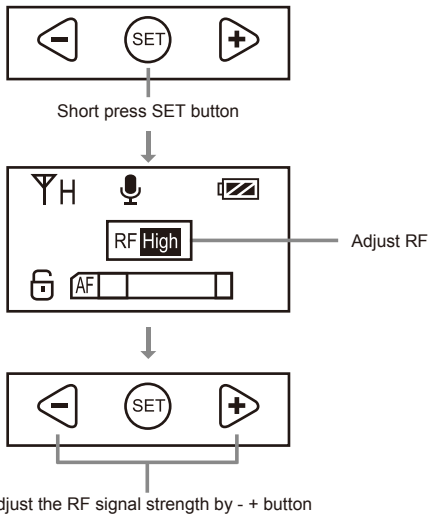


Adjust CH channel

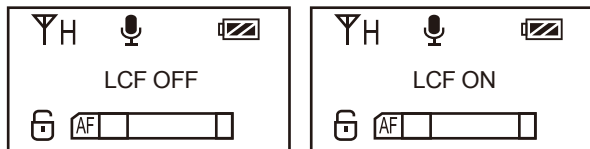


Adjust the CH channel by - + button

C. RF Strength Adjustment:



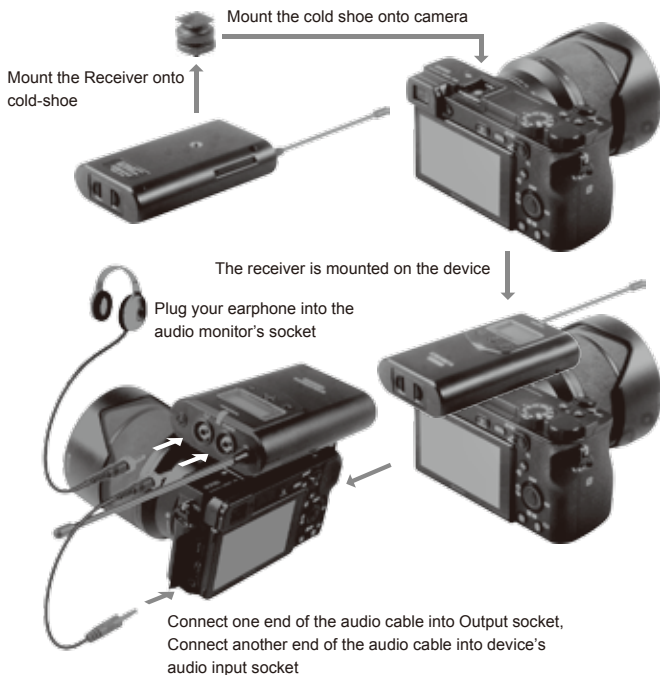
D. LCF (Low-cut Filter)



☞ Choose thin voice with LCF ON or thick voice with LCF OFF.

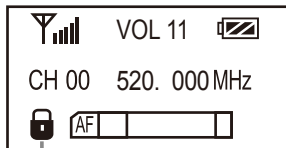
## Receiver

Step 1: Install the Receiver onto the device via cold-shoe, and connect one end of the audio cable into Output 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;

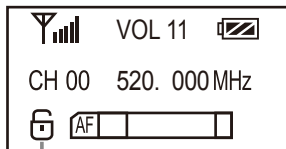
A.Unlock:



Lock



Long press SET button

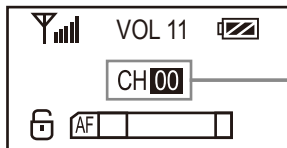


Unlock

B.Set CH to match the channels :



Short press SET button



Adjust CH channel

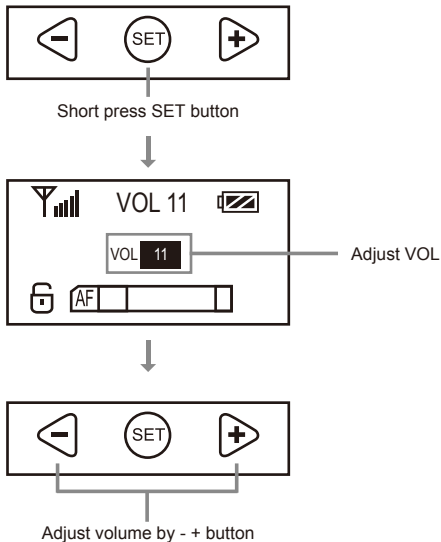


Adjust CH by - + to match the Transmitter



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

### 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 Socket
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 Port
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



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