



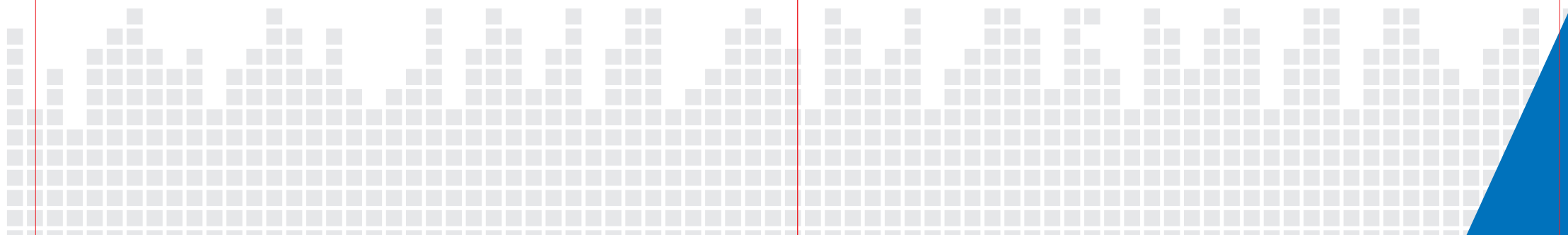
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PROFESSIONAL WIRELESS MICROPHONE

# INSTRUCTION MANUAL

# UHF

WIRELESS MICROPHONE



## Products features

- 1.Adopt unique intelligent ID recognition technology which can be used in multi-branch distribution.Apply digital and analog hybrid transmission so that audio has no digital transmission delay defects.
- 2.The transmitter power can be adjusted which is suitable for various occasions ,especially for KTV.
- 3.Adopt the infrared transmitter synchronization technology, make it easy and convenient to operate.
- 4.Adopt dedicated frequency range of UHF wireless microphone ,without interference from other industrial frequencies.
- 5.100 frequencies can be adjusted
- 6.Super audio data pilot control,to prevent the impact sound from transmitter switch machineand other radio frequency interference effectively.
- 7.18650/3.7V lithium battery for transmitter , convenient to purchase.
- 8.With balanced and unbalanced audio output ,is convenient to connect with various audio equipments
- 9.Low power transmitter indication lights flashing.
- 10.Dual-transmitter system configuration, easy to use in various occasions.
- 11.The receiver screen displays the transmitter parameters,easy to monitor.

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## Common faults and solutions

### 3.Microphone distortion

Reason	Solution
• Receiver is normal, microphone is dropped or collision	• Check the battery power is enough or not. Or instead of new cartridge
• Transmitter sensitivity too high	• Adjust the sensitivity to a reasonable range
• Receiver audio output too high	• Decrease the audio output level

### 4.Microphone howling

Reason	Solution
• Room switch and acoustic condition	• Reasonable use of sound absorbing materials
• The microphone is directly facing the speaker	• adjust the position of the system accordingly
• Hand holding the bottom infrared emitter	• Avoid placing the microphone directly into the speaker
• The amplifier is not working properly or the tuning is defective.	• Do not cover the infrared transmitting terminal of the microphone
	• Check the amplifier and re-tune it according to the actual situation

### 5.The receiver no output, and the transmitter and receiver display normally

Reason	Solution
• Microphone device failure or microphone damage due to falling	• Change microphone

## Common faults and solutions

### I.The power indicator light on the charging base is not on

#### Reasons

- The power switch was not pressed
- External power supply is damaged
- USB cable of external power supply is damaged
- Charging base is damaged

#### Solution

- Press the power switch
- Replace the power supply
- Replace the USB cable of the external power supply
- Replace the charging base

### 2.The charging base cannot be charged

#### Reasons

- Indicator light of charging station A or B does not flash
- The indicator light of charging station A or B is long and bright

#### Solution

- Put both handheld devices into the charging hole at the same time. Switch the handheld position between hole A and hole B. If the indicator light that does not move turns to flashing, replace the battery.If it still does not flash, please replace the charging seat.
- The battery is full (after a period of use, charge again.Poor contact between the handheld charging circuit board and the charging stand(take the handheld out of the charging base and put it back in the charging base)

## Notes of use

Thank you for buying our excellent wireless microphone series products. Before you use our products please read this user instructions. This product is a professional wireless microphone need to installed and maintained by qualified personnel.To learn more information in this guide is not listed,please call your local authorized dealer for more detailed information.

## Situation of use

This product is specially designed for large and medium-sized performances, meetings and other occasions!

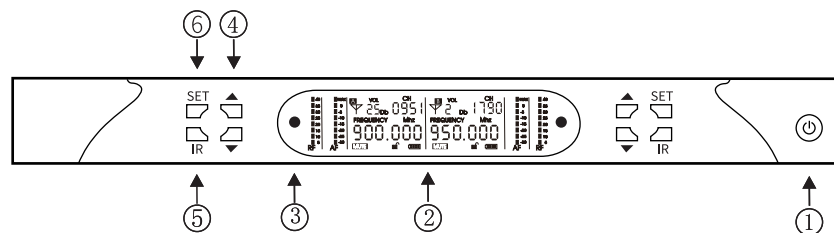
## Environmental Factors

This products transmit data by RF,easy to be interfered by external wireless signal.All products we manufactured are rigorously tested qualified products,such as the emergence of instant offer frequency etc. Phenomenon in the process of installing and using ,the vast majority of case is the system frequency products by wireless signal source interference effect of the external environment.If you encounter the above situation,please carefully investigate following the external environment and internal environment of install interference factors, system setting,and make corresponding adjustment:

- Whether the existence of places around the television transmissior tower, a large mobile phone transmitter base station or other strong sources of interference;
- Whether install a cell phone signal amplifier;
- Whether install high-frequency wireless intercom system or other brands od wireless microphone systems;
- Whether is possible have signal shielded or weakened metal objects surrounding system;
- Whether the receiver antenna is too close to the computer,VOD or other RF interference occurs machines;
- Whether there are significant obstacles between the receiver and the transmitter;
- Whether surrounding environment is too wet.

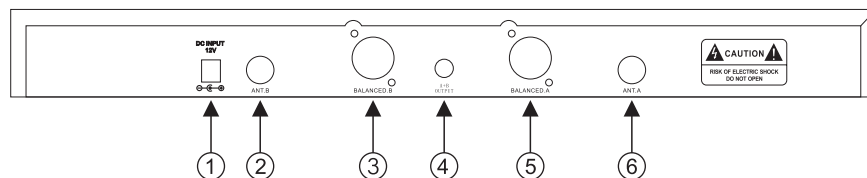
## Receiver function

### The front panel



- |                  |                  |
|------------------|------------------|
| ① Power switch   | ② LCD SCREEN     |
| ③ RF sync window | ④ Volume control |
| ⑤ RF sync button | ⑥ Menu button    |

### The back panel



- ① The socket for power adapter
- ② The socket for antenna of channel B
- ③ XLR balance output for channel B
- ④ Mixed audio (06.35mm) unbalance output
- ⑤ XLR balance output for channel A
- ⑥ The socket for antenna of channel A

The internal circuit of the receiver more sophisticated, so stay away from CD,DVD and other electromagnetic radiation strong equipment, and away from radiator, heater also.

## Tips

- The battery should to use the original 18650/3.7V rechargeable battery, as the battery jar was designed according to size of 18650. If take bigger size battery than 18650, the jar could be too tight to take battery out, result in jar broken.

When the battery power is low ,please replace it in time to avoid the distortion of audio signal,(the LED screen will shows the indication of low battery)

The antenna of the transmitter is placed at the end of the microphone.

- When using it, avoid holding the bottom of the microphone to avoid reducing its launching efficiency. Do not use both hands to hold the microphone to sing at the same time to avoid whistling.

The circuit of this product has been precisely tested and adjusted

- before delivery to achieve the best performance. Do not disassemble, repair or adjust it, replace internal parts, otherwise it will lead to quality failure and may cause corresponding danger.

During the use of the microphone, avoid the microphone directly facing

- the speaker. If the microphone directly faces the speaker, the sound reinforcement system forms a closed loop, which will generate positive feedback oscillation (commonly called howling), which must be avoided.

After the transmitter is used, turn off the power immediately. If it is not

- used for a long time, remove the battery. If the receiver is not used for a long time, please turn off the power.

Hand-held microphones should be waterproof when using them to

- avoid falling! The effect of the microphone in the water on the head and the line is fatal! The slamming microphone has a great influence on the head and internal components, and it is easy to cause some electronic components in the motherboard to be desoldered.

Do not disassemble the microphone head. This will cause the sound

- head to loosen, produce noise, and seriously damage the sound head. Regularly clean the net cover and check the fastening screws on the net cover.

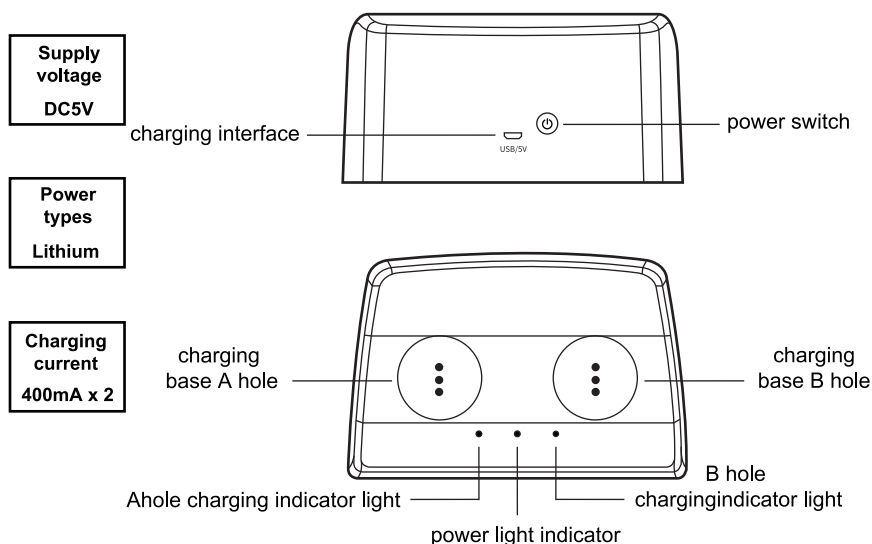
## Technical index

### Prompt

- This charger is only suitable for charging the wireless microphone specified by the company.
- When charging, you must ensure that the lithium battery is used in the microphone. Charging with a nickel-metal hydride rechargeable battery may cause an unpredictable danger such as an explosion.

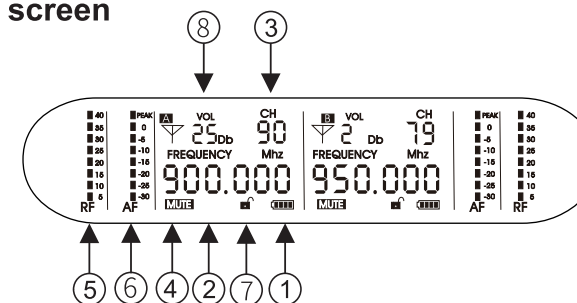
### Instructions for use

- ① Connect the included power adapter to the DC5V output of the AC220V (AC110V) adapter. Insert the power input of the charging stand into the USB charging port, press the power switch of the charging stand, and the power indicator (red light) lights up.
- ② The charger can charge two wireless microphones at the same time. Confirm that the microphone has been charged into the lithium battery and the microphone is off. Insert the microphone into the A and B holes of the charger. At this time, the A hole indicator and B hole indicator of the charger Fast flashing, indicating that the charger has started charging. When the two indicators stop flashing and light up, the charging is completed and the microphone can be taken out.
- ③ Confirm that the battery is fully used up each time you charge, and ensure that the battery is fully charged to maintain the battery capacity and extend its life.
- ④ During the charging process, if it is confirmed that the battery being charged has no power, and the charger stops charging quickly, it indicates that the battery is damaged and cannot be charged, and the battery must be replaced.



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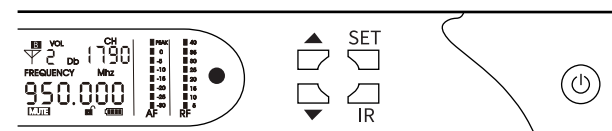
### Receiver screen



- |                                |                               |
|--------------------------------|-------------------------------|
| ① Power indication             | ② Frequency indication        |
| ③ Frequency indication         | ④ Mute symbol                 |
| ⑤ Microphone signal indication | ⑥ Microphone audio indication |
| ⑦ Frequency lock indication    | ⑧ Volume indication           |

**When the battery symbol flashes, it indicates that the transmitter battery is exhausted**

### The operation instruction of receiver



- ① Interface no flashing or operation, long press " " for 3 seconds ,starting up/power off
- ② Interface no flashing or operation, push "SET" one time , when display "SCAN",press "▲"/"▼" to search the clear frequency
- ③ Interface no flashing or operation,push "SET" twice,the number flashes,- press "▲"/"▼" to search the frequency manually
- ④ Interface no flashing or operation,long press "SET" to lock on the operation or lock off
- ⑤ Interface no flashing or operation, push "▲ +"one time for volume plus
- ⑥ Interface no flashing or operation, push "▼ -"one time for volume reduction
- ⑦ Interface no flashing or operation,press "SET" 3 times , choose output power P1(low power)/P2(medium power)/P3(high power) by "▲"/"▼".
- ⑧ Interface no flashing or operation , push "IR" for infrared frequency

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## Handheld microphone base (transmitter)

### ① Infrared sync window

The infrared sync window can receive the sync data sent by the receiver, so that the transmitter operates at the frequency of the receiver. When using the synchronization function, only one microphone can be used for synchronization at the same time, otherwise co-channel interference will occur.

### ② LCD display frequency

Display frequency and battery level, when the microphone power is turned on, the LCD backlight lights up, and after 5 seconds, the backlight goes out.

### ③ Power switch

Short press the boot, long press for 3 seconds to shut down

### ④ Intelligent mute switch

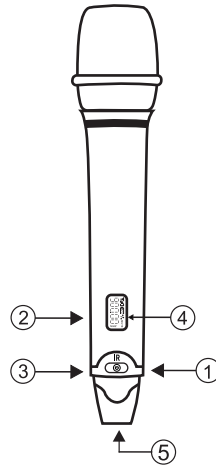
Press the power switch twice in succession to turn the auto mute function on or off. It can only be displayed when the “P” is turned off when the mute is turned on.

### ⑤ handheld microphone charging port

#### Intelligent microphone

▲ In the smart microphone mode, the microphone has no operation for more than 10 seconds, the microphone automatically enters the silent mode, and the operation automatically resumes the working mode; the microphone does not operate for more than 1 minute, the microphone automatically enters the sleep mode, and stops transmitting signals to the receiver, and the operation automatically enters Operating mode

In the case of no operation microphone for more than 5 minutes, the system automatically turns off the microphone and needs to be manually turned on for normal use.



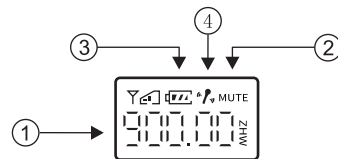
## Handheld microphone screen

### ① Frequency indication

### ② Mute indication, MUTE shows means already mute

### ③ Battery capacity indication, when flashes, siad the battery is exhausted. Please replace the battery as soon as possible.

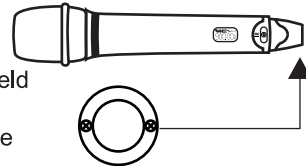
### ④ Smart microphone mute indicator, when this flag is enabled, the flag enables automatic mute



## Replacement battery

Unscrew the two screws on the bottom of the handheld microphone, pull the plastic part back to expose the battery compartment, and replace the battery with the correct battery polarity.

Microphone consists of a system of sophisticated acoustic devices and electronic components. Keep it safe when using it. Do not drop it or hit it with severe impact. Otherwise, it will easily damage the microphone.



## Specifications and parameters

### System

Frequency range: 900-950 MHz

Total number of channels: 200 channels

Audio frequency response: 50hz-18khz

RF generation mode: high-performance integrated IC

RF bandwidth: 30MHz

SNR: >105dB (A weight peak)

Dynamic range: >100dB

Distortion: <1.0% @1kHz

Using temperature :-18-50 (Celsius)

Effective using distance: > 100m

### Receiver

Receiving mode: high performance integrated IC

Sensitivity: >-105db /m (20dB SNR)

Display mode: LCD

Audio output mode: one mixed output/two balanced output

### The transmitter

RF frequency accuracy: 5ppm <10KHz

Nominal frequency deviation: 25KHZ

Harmonic: < -45db /c

Output power: >10 dB/m (RF port measurement)

Display mode: LCD (handheld microphone)

Consumption current: < 150ma@3v

power supply mode: 18650/3.7 battery (1 section)

Service time: >10 hours (related to battery)

## Packing list

- 1.Receiver:1pcs
- 2.Handheld microphone:2pcs
- 3.Audio cable:1pcs
- 4.Power adapter:2pcs(one for receiver,one for charging base)
- 5.Antenna:2pcs
- 6.18650/3.7Vbattery:2pcs(already installed in the handheld microphone)
- 7.Instruction book:1pcs
- 8.Charging base:1pcs

Please take good care of the packing materials for future transportation