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**LET
YOUR
FEELINGS
SOUND**



USER MANUAL

QWM-ISH
Single Handheld

Products features

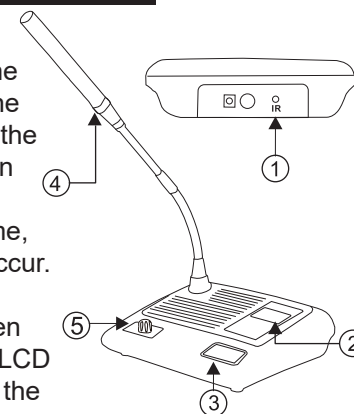
- 1.Unique intelligent ID recognition technology, can be distributed multiple microphone use. Digital analog mixed transmission, audio without digital transmission delay.
- 2.The Power of transmitter can be adjusted , suitable for various occasions, especially for KTV.
- 3.Infrared frequency technology makes the operation of transmitter simple and convenient.
- 4.UHF wireless microphone dedicated frequency band is adopted, which is free from interference of other industrial frequencies.
- 5.100 frequency points for selection, make full use if the existing radio frequency resources.
- 6.Super audio data pilot control can effectively prevent the interference of other frequency points and the impulse sound of transmitter switch.
- 7.The transmitter is powered by 2x1.5V batteries, which is convenient to purchase.
- 8.With balanced and unbalanced audio output, it is convenient to connect with various audio equipment.
- 9.When the transmitter with lower power, the red light starts flashing.
- 10.System dual transmitter configuration, convenient for use in various occasions.
- 11.Receiver display Transmitters parameter for easy monitoring .

Contents(indexes)

Products features	1
Notice of use /Situation of use/ Environmental factors	2
Functions of receiver	3-4
Handheld microphone(Transmitter)	5
Systemfeatures	6
Packing list	6
Tips	7
Common faults and solutions	8
Common faults and solutions	9
Conference microphone/Headset and Clip transmitter	10

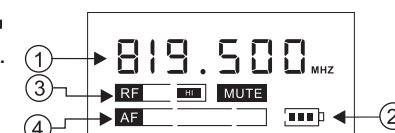
Conference microphone base (transmitter)

- 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 Light-press once again in the silent mode, the light of the light ring will be extinguished.
- ⑤ Volume adjustment



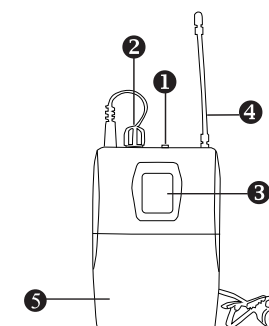
Conference microphone screen

- ① Frequency indication
- ② Battery capacity indication, when the battery is exhausted, it flashes, please replace the battery as soon as possible.
- ③ Radio frequency intensity indication.
- ④ Audio intensity indication.



Headset and Clip transmitter

- ① Power on/off
- ② Volume rotation
- ③ LCD display
- ④ Transmitting antenna
- ⑤ Battery cover



Common faults and solutions

3. Microphone distortion

Reason

- Receiver is normal, microphone is dropped or collision
- Transmitter sensitivity too high
- Receiver audio output too high

Solution

- Check the battery power is enough or not. Or instead of new cartridge
- Adjust the sensitivity to a reasonable range
- Decrease the audio output level

4. Howling

Reason

- Room switch and acoustic condition
- Microphone head face to speaker
Hand holding the bottom
- Hand holding the infrared emitter properly or the tuning is defective.

Solution

- Adjust the position of the system accordingly
- Avoid placing the microphone directly into the speaker
- 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

- Microphone device failure or microphone damage due to falling

Solution

- Change microphone

Notes

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.

Using occasions

It is specifically designed for use in KTV and other vocal consent.

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 transmission 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 of 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.

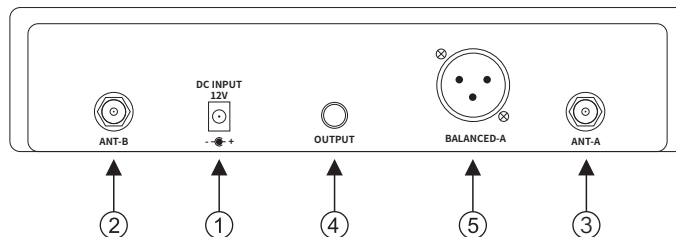
functions of receiver

The front panel



- ① AF/RF indicator
- ② LCD indicator
- ③ Infrared synchronization
- ④ Volume & set
- ⑤ Power

The back panel



- ① Power port
- ② Antenna for channel B
- ③ Antenna for channel A
- ④ Mixed audio(Ø6.35mm) unbalanced output
- ⑤ XLR balance output

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.

Common faults and solutions

When the microphone appears silent or other abnormal phenomenon, the first thing to determine is the infinite microphone system or the problem of amplification system.

1.No sound

Reason

- microphone Switch off
- Amplifier power switch off
- Receiver Switch off
- Volume button of amplifier on minimum position
- Speaker not connected well
- Holding the microphone bottom infrared emission.
- Microphone battery no power.

Solution

- Switch Turn on microphone
- Switch Turn on amplifier power
- Switch turn on receiver power
- To adjusted the volume of amplifier
- Check the connected line between speaker and amplifier/ receivers
- Do not hold the infrared emission
- Change the battery

2. Wireless microphone noise

Reason

- Speakers line is not connected properly
- Signal interference
- Too small distance between moth and microphone head
- Amplifier line is not connected properly

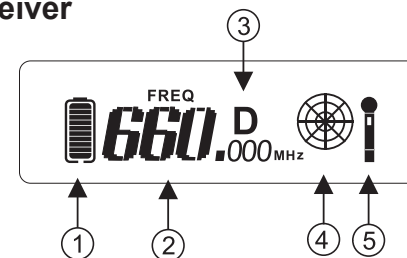
Solution

- Check the lines between speaker and amplifier/ receivers
- Change the microphone frequency to avoid any interference
- Keep your mouth and microphone head in 15-20CM at least.
- Do not put the microphone to face your speakers.

Tips

- The battery should be used the original brand 1800ma AA rechargeable battery or other common AA battery cause the battery jar is designed according to the size of the ordinary AA battery. If use the battery more than 1800ma, it is too hard to take out the battery from the battery jar and it is easy to damage the battery jar of the handset.
- Please replace the battery when it is low, (the LED screen will show 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.

Screen for receiver



- ① Battery status
- ② Frequency
- ③ Channel indication
- ④ Signal searching
- ⑤ Microphone symbol

Transmitter battery is going to run out
When the battery symbol flashing.

Operating instructions of receivers



1. The interface without flashing or operation, short press "SET" button to enter the manual frequency. This time with the handheld frequency to the same frequency.
2. The interface without flashing or operation, short press "SET" twice in a row to enter automatic search function.
3. The interface without flashing or operation, short press "SET" three times in a row to receiving the sensitivity, then press ▲ or ▼ key choose sensitivity.
4. The interface without flashing or operation, long press "SET" to lock operation or unlock operation.
5. The interface without flashing or operation, short press ▲ is the volume +.
6. The interface without flashing or operation, short press ▼ is the volume -.
7. "Sync" short press to enter infrared frequency.

Handheld microphone(Transmitter)

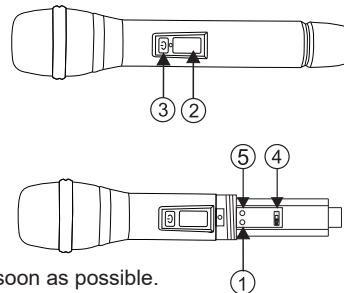
1. Infrared synchronization window can receive synchronous data sent from the receiver, the transmitter to work in the frequency of the receiver. When using synchronization, at the same time, can only synchronize onemicrophone, other microphones can't use as with the same frequency.

2. LCD display
Display frequency and battery usage, when power is turned on , LCD back light lit, five seconds back light turns off.When the back light blinks that indicate battery is dead, replace the batteries as soon as possible.

3. Power switch, mute button
Short press: power turn on, the power on Press mute / unmute. Press 3 seconds: turn off.

4. Transmit power adjustment
RF H high power, RF L low-power, short distance use, tuned to RF L low-power state, to reduce the transmit power, interference from other devices and reduce power consumption, keep battery for longer time.

5. Intelligent mute switch
Short press the intelligent mute switch to turn on or off the automatic mute function, intelligent mute is turned on indicated "P" no indicated when turn off.



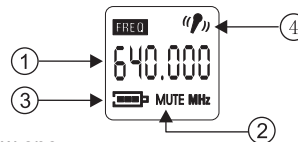
Intelligent microphone

In the intelliget microphone mode

1. microphone automatically enters the mute mode.when the microphone does not operate for more than 5 seconds,if microphone have the operation automatically resumes the working mode;
2. microphone does not operate for more than 5 minutes, the microphone automatically enters the sleep mode and stops transmitting signals to the receiver;f microphone have operation automatically enters working mode;
3. Microphone no operation for more than 15 minutes, the system will automatically turn off the microphone and need to be manually switched on to work normally.

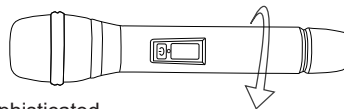
SCREEN FOR HANDHOLDER MICROPHONE

- ① The indication for frequency.
- ② "Mute" flashes that means it has been mute.
- ③ Indication for power of battery. It have to change to new one when  is flashing.
- ④ Intellignet microphone mute indication, turn on have this logo 



Battery replacement

Counter clock wise rotation of the tube body to themicrophone, threads are screwed out, back to slide body is exposed out of the battery slot in the correct battery, replace the battery.



System microphone consist of acoustic devices and sophisticated electronic device,use with caution.When custody,forbid dropping, beat the sever impact ,otherwise,microphone are easy to be broken.

System features

RECEIVER PARAMETER

Frequency range: 863~865MHz, 470~494MHz
Channels: 6 or 80
Frequency interval: 300K
Response: 50Hz~18KHz
RF production: High-performance integrated IC
RF bandwidth: 50MHz
Signal to noise ratio: >105dB(A weight peak)
Dynamic range: >100dB
Distortion: <1.0% @1KHz
Use temperature: -18~50 degrees
Working range: 150 M
Receive mode: High-performance integrated IC
Sensitivity: >-105dB/M(20dB)
Display: LCD
Output: 1 Mixed/1 balanced

TRANSMETTER PARAMETER

RF frequency accuracy: $\pm 5\text{ppm}$ <10KHz
Nominal frequency offset: 20KHz
Harmonics: <-45dB/c
Output power: >10dB/m
Display: LCD
Current consumption: < 150mA @3V(Low power consumption)
200mA(High power consumption)
Power supply: AA 1.5V x2

Packing list

- | | |
|-------------------------|-----------------------------|
| 1.Receiver:1pcs | 2.Hand-held microphone:1pcs |
| 3.Audiocable:1pcs | 4.Power Adapters:1pcs |
| 5.Antenna:2pcs | 6.1.5V AAbattery:2pcs |
| 7.Instruction Book:1pcs | |