Administer standard: Q/EOE01

Information in this manual is subject to change without notice .

This manual have contain all information about the product, anything which are not c clear or false or loss, please contract us and ask for a confirmation.. Without the confirmation, we cannot accept any liability whatsoever for any loss or damage caused by servic、maintenance or repair by unauthorized personnel.

Professional

Wireless Microphone System

UHF Wireless Microphone **User Guide**

Safety and environment protection

1. To avoid electric shock risk, do not open the box. No accessories can be change in the box.
2. Before using, make sure the National standard voltage match the receiver.If For long time no use whole, please move out the power plug from the power outlet.
3. In order to fully ventilation, the hold set system should keep minimum 30CM from other things. Bad ventilation environment will result the system getting hot and damage or even result in fire. Newspaper、dishcloth、curtain and other things should move out from the hold set system for fully ventilation.
   Do not put some blaze headstream on the system such as the candle.
   Keep away the whole set system from the dusty、wet or the direct sunlight place.
   Move out the liquid from the system to escape getting electric shock.
   Do not put it in a mechanical shock and vulnerable place to avoid damage, and do not knock and huff the microphone head
4. In order to obtain good results, as far as possible keep away from the high-voltage transmission valve, large metal objects, as well as computers, high-power interphone, radar and other equipment.
5. Please use the professional alkaline battery or rechargeable battery, fix up the batteries in the right direction, turn off the transmitter after the use to save the power, and for long time no use, remember to move out the batteries.
6. No use if for long time, move out the power adaptor from the outlet.
7. Throw the scrap batteries into the specifically place.

Brief introduction of the performance

These series products adopt UHF frequency and use the international standard common frequency which can be used in all over the world. Due to the low frequency and many reasons,traditional wireless microphone usually disturbed by many factors especially by the variety of harmonic which send off by the CD/VCD/LD and other digital equipments. Squelch circuit usually analysis the intensity of the RF frequency channel instead of the noise and the needed signal. Using the low traditional wireless microphone in the complex environment or when the signal of the microphone is weak or the microphone is closured,the squelch circuit may suddenly opened which result the receiver send out a strong burst of noise.

Do not change the frequency when using one set system.

Using more than one set system in the same time, make sure the transmitter and the receiver of each system have the same frequency channel.

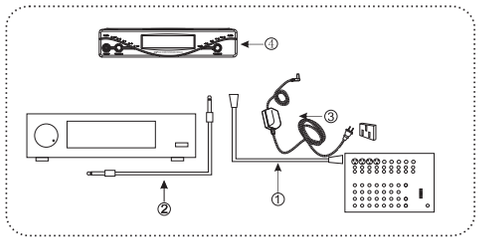
Using many transmitters or receivers in the same time, choosing the best frequency channel is recommended.

Main performances

1. UHF 614~698MHz, avoid the disturb frequency.
2. Adopts multilevel and narrowband high and mid frequency technology, the system can search the best channel and eliminate the disturbing signal.
3. Thick undertone, light mediant and clear alt.
4. ALC circuit, avoid sound distortion by large sound.
5. Low power consumption components, long battery life.
6. Shield antenna for the handheld microphone, practical and beautiful.
7. Low power indicator for the handheld microphone, indicate change the battery in time.
8. PLL lock loop technology, high frequency stability.
9. With audio compressing-expanding technology, the system can avoid noise and increase the dynamic range.
10. Weaken feedback function, it can lower the feedback effectively during the receiving.
11. Unique mute-sound function, refuse the outside interference to open the mute system.
12. Excellent wafer and high quality components make the sound quality better.
13. Professional audio output: XLR balance output, Φ6.3 unbalance output, suitable for all occasion to connect the system.
14. The maximum effective distance up to 100 M and the ideal distance is 60M.
15. Suitable for small stage、song and dance ball、conference room、teaching room and family amusement etc.

Receiver (installation)

Receiver connection .....



① connet one end of "XLR to a XLR" cable to the **Receiver balance audio** OUTPUT and the other end to the other KARAOKE EQUIPMENTS.

② Connect one end of a " 1/4 "cable to the receiver's UNBALANCE AUDIO OUTPUT and the other end to a kalaoke power amplifier" microphone input.

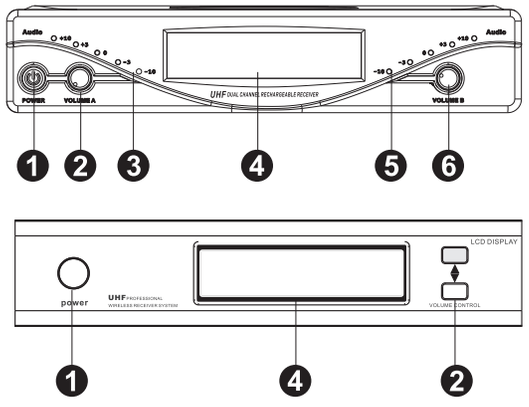
③ Connect the DC POWER ADAPTER to the receiver's DC INPUT 110V/220V then plug the other end of DC POWER ADAPTER into the WALL OUTLET.

④ **Install the antenna to each antenna socket on rear panel, then fasten the antenna towards the right side till the antenna is vertical with ground.**

Part name and functions description

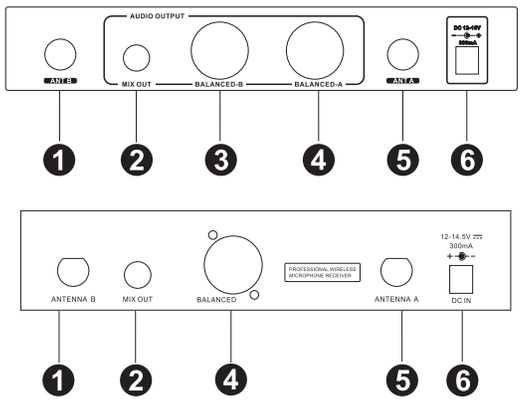
RECEIVER

Front panel



1、Power switch
2、CH A volume control
3、CH A audio level signal lamp
4、LCD panel
5、CH B audio level signal lamp
6、CH B volume control

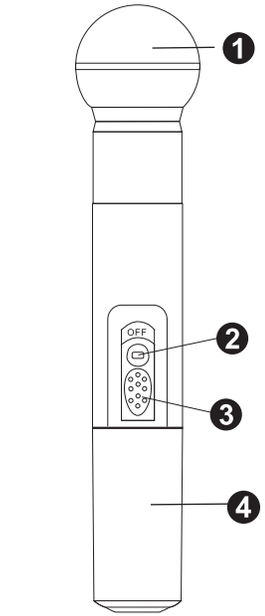
Back panel of receiver



1、CH B antenna
2、1/4 " unbalanced output jack
3、CH B XLR balanced microphone output jack
4、CH A XLR balanced microphone output jack
5、CH A antenna
6、AC adapter jack

Handheld Transmitter

Handheld Transmitter:

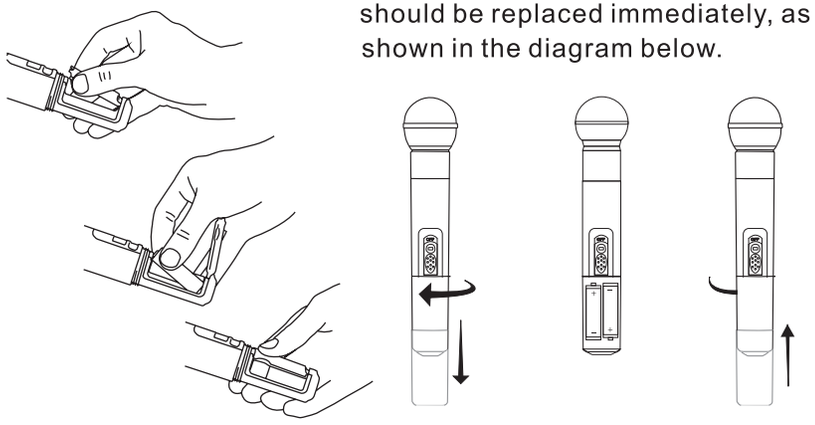


Function

1.Interchangeable microphone head
2.LED Power signal lamp
3.Power control switch
4.Battery compartment
5.MUTE

Battery Replacement

The life expectancy of two alkaline batteries is about six hours. When the power indication symbol on the display screen keeps flashing as shown is the left diagram, the batteries should be replaced immediately, as shown in the diagram below.



Specification

Integrative performance

1.frequency: 614~698MHz
2.frequency stability: ±0.005%(-10℃~50℃)
3.modulation mode: FM
4.max modulation frequency: ±40KHz
5.frequency response: 40Hz~20KHz
6.S/N: =100dB
7.effective range: 60m
8.distortion: ≤0.5%
9.work temperature: -10℃~50℃

Microphone technology specification
1.RF output power:≤1mW
2.Clutter Suppression
3.antenna: hidden external power
4.pickup head:
dynamic cardioid directivity (handheld MIC)
condenser directivity (waistband MIC)
5.batteries: AA1.5V×2 alkaline batteries
6.batteries life: up to 6 hours

Receiver technology specification
1.receiving mode:
Superheterodyne double-conversion
2.Frequency vibration: PLL lock loop
3.sensitivity: -93dBm
4.audio output :
XLR balance output: 0~500mV
Φ6.35 unbalance output: 0~500mV
5.power: 220V/50Hz or 110V/60Hz
6.rated power:5W
7.rated power consumption: 3W

Troubleshooting

Phenomenon	Reasons	Solution
Indicator not light	Setting the battery in reversed polarity directional	Reset the battery in the right polarity direction
	Lack of power	Change full power battery
	Connected clip of the battery is dirty or have been corroded	Clean or change the connect pin clip
Indicator twinkle during the use	Lack of power	Change full power battery
The LCD window of the receiver turn off	Fail to connect the electricity	Check the AC power adapter and the voltage
	The power of the receiver is not connected well	Check the DC power adapter whether is that one end inserted into the outlet, while other one inserted into the receiver
Receiver have no reception	Not turn of the microphone	Turn on the working microphone
	the frequency of the microphone is not match with the receiver	Use the same frequency system
	Microphone exceed the working distance	Return to the working distance
Receiver get reception but no sound	Volume be in the lowest level	Adjust the volume of the transmitter and the amplifier
	Bad or wrong connection with the audio line	Connect the audio line in right way
Receiver have reception before turn on the microphone, some noise in the sound-box	Some same frequency equipment appear in the working range	Chang the working place to avoid the interruption, keep certain distance with the computer、working mobile phone.
Sound box send out sound	feedback	Turn down the volume, do not point the microphone directly to the sound box.
The sound is not consecutive	Exceed the effective distance	Return to the working distance
Working distance too short	The environment is too complex	Avoid the complex environment, and possibly to avoid the big metal subject、wall、crowded

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.