

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 the using, make sure the National standard voltage match the receiver. For long time no using, 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. For long time no use, move out the power adapter from the outlet.
7. Throw the scrap batteries into the specifically place.

Brief introduction of the performance

These series products adopt VHF 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 closed, 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 then one set system in the same time, make sure the transmitter and the receiver of each system have the same frequency

channel.

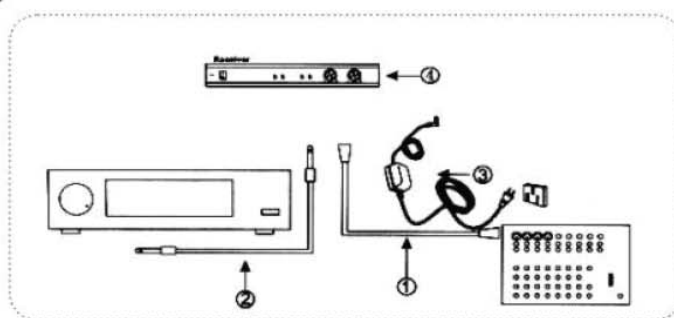
Using many transmitters or receivers in the same time, choosing the best frequency channel is recommended.

Main performances

1. VHF 183.570~209.150MHz , 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, ϕ 6.3 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)

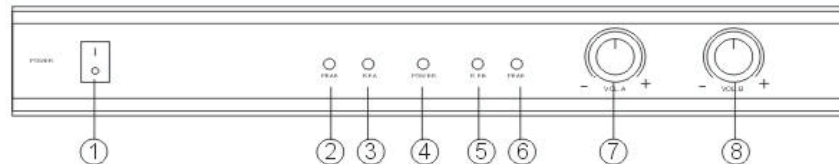
Receiver connection.....→



- ① connect 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 UNBALANCE AUDIO OUTPUT and the other end to a karaoke 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.

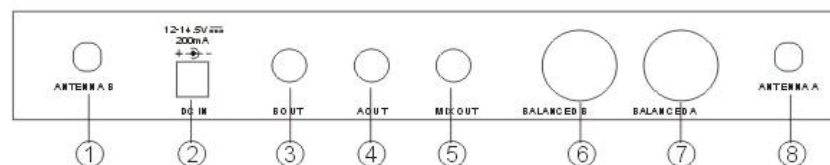
Receiver

Front panel of Receiver



- 1、 Power switch
- 2、 CH A audio level signal lamp
- 3、 CH A signal lamp
- 4、 Power lamp
- 5、 CH B signal lamp
- 6、 CH B audio level signal lamp
- 7、 CH A volume control
- 8、 CH B volume control

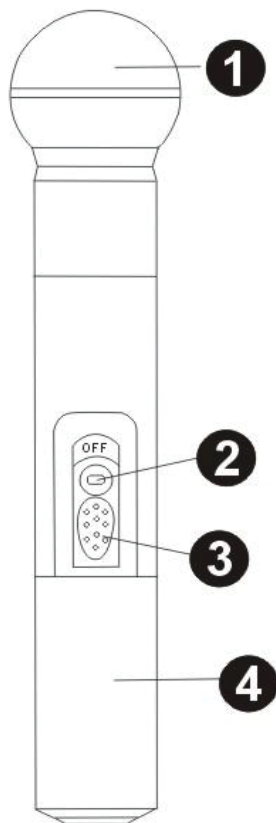
Back panel receiver



- 1、 CH B antenna
- 2、 DC adapter jack
- 3、 1/4 " unbalanced CH B output jack
- 4、 1/4 " unbalanced CH A output jack
- 5、 MIX Audio Output jack
- 6、 CH B XLR balanced microphone output jack
- 7、 CH B XLR balanced microphone output jack
- 8、 CH A antenna

Handheld microphone

Handheld Transmitter:

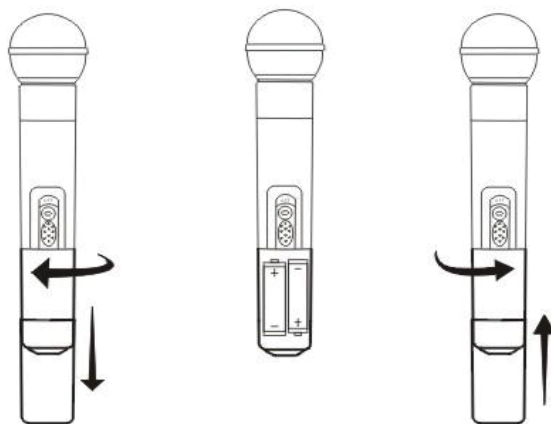
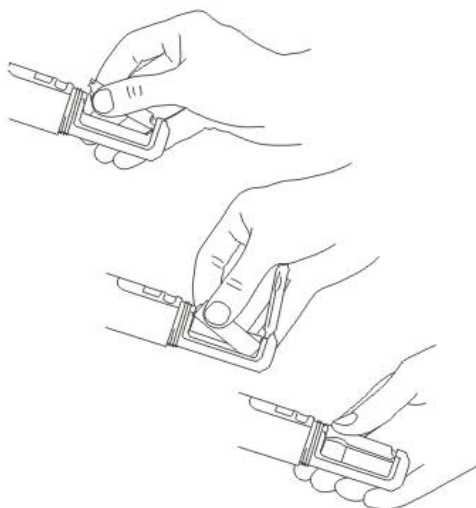


Functions:

- 1、Interchangeable microphone head
- 2、LED Power signal lamp
- 3、Power control switch
- 4、Battery compartment

Battery Replacement:

The life expectancy of two alkaline batteries is about 8 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.



Bodypack microphone

Bodypack Transmitter:

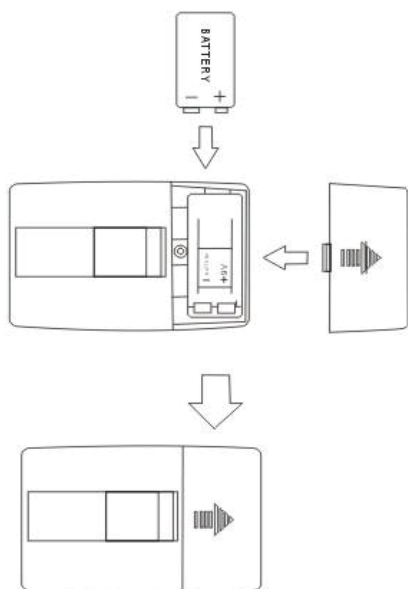
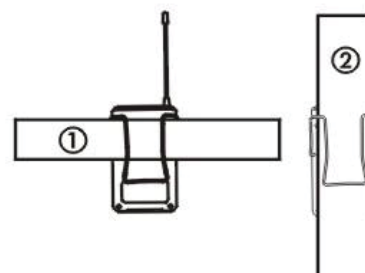


Functions:

- 1、Antenna
- 2、Power on / off switches
- 3、Power lamp
- 4、Microphone input socket
- 5、Battery compartment

How to wear the bodypack transmitter:

Buckle the transmitter clip to the belt 1 as show in the left diagram. If best effect must be achieved, the transmitter should be pushed down.



Battery replacement:

The life of expectancy of two alkaline batteries is about 8 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 on the left

Specifications

Integrative performance

- 1.frequency: 575.700~581.300MHz(UHF); 183.570~209.150MHz(VHF)
- 2.frequency stability: $\pm 0.005\%$ (-10℃~50℃)
- 3.modulation mode: FM
- 4.max modulation frequency: $\pm 40\text{KHz}$
- 5.frequency response: 40Hz~20KHz
- 6.S/N: =100dB
- 7.effective range: 60m
- 8.distortion: $\leq 0.5\%$
- 9.work temperature: -10℃~50℃

Microphone technology specification

- 1.RF output power: $\leq 10\text{mW}$
- 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: 0~400mV
Φ6.35 unbalance output: 0~350mV
- 5.power: DC 13.5-18.5V
- 6.rated power: 3W
- 7.rated power consumption: 2W

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 LED window of the receiver turn off	Fail to connect the electricity	Check the DC 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

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

LICENSING REQUIREMENTS

This equipment complies with Part 74 of the FCC Rules.

A license is required for operation subjective device will be issued only to the following:

- (1) A licensed of an AM, FM, TV or international broadcast station or low power TV station. Low power auxiliary stations will be licensed for used with a specific broadcast or low power TV station or combination of stations licensed to the same licensee within the same community.**
- (2) A broadcast network entity.**
- (3) A cable television system operator who operates a cable system that produces program material for origination or access cablecasting as defined in §76.5(r).**
- (4) Motion picture producers as defined in §74.801.**
- (5) Television program producers as defined in §74.801.**
- (6) Licensees an conditional licensees of stations in the Multipoint Distribution service and Multichannel Multipoint Distribution Service as defined in §21.2 of this chapter, or entities that hold an executed lease agreement with an MDS or MMDS licensee or conditional licensee or with an Instructional Television Fixed service licensee or permitted.**

CAUTION:

Any changes of modifications not expressly approved by the grantee of this device could void the users authority to operate the equipment.

The FCC requires that the following statement be included in this manual:

This device complies with FCC radiation exposure limits as set forth for an uncontrolled environment. This device should be installed and operated so that its antenna(s) are not co-located or operating in conjunction with any other antenna or transmitter.