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.

Operation manual

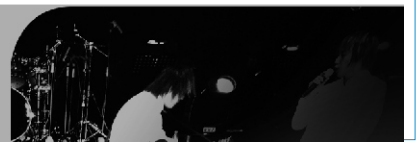
technical pro
tpro.com

MODEL: WM1201 WM1352 WM1302 WM1322

PROFESSIONAL WIRELESS MICROPHONE

UHF

Wireless Microphone System 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 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 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 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. The maximum effective distance up to 100 M a nd the ideal distance is 60M.
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. Suitable for small stage、song and dance ball、conference room、teaching room and family amusement etc.
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.

Part name and functions description

RECEIVER

After unpack it from the package, connect two antennas with the receiver , and point them upward and slightly outward to a form V.

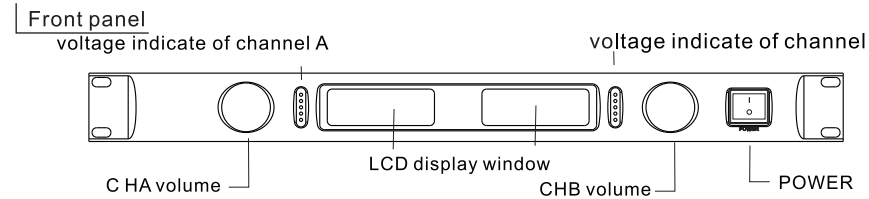
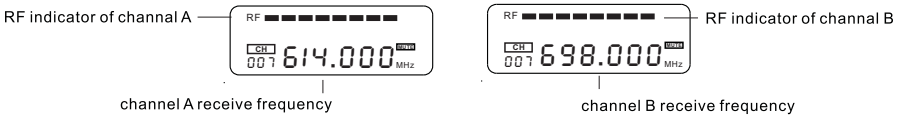


Figure 1

It means that the receiver runs well and have begin to receive the signal.

2. Adjust the volume of the receiver and amplifier to the lowest level, then turn on the receiver, the display window will light on and display as follow:



3. After turn on the microphone, the RF indicator in the display window of the receiver will light on indicating the system under the operation state. Speak to the microphone, the voltage indicator of the receiver will twinkle by the change of volume level, indicate the volume level.
4. According to the need, adjust the volume of the receiver and the amplifier equipment to get the best volume.
5. Notice: to avoid feedback, do not adjust the volume in too high level, strong feedback will damage the amplifier equipment.
6. back panel of receiver

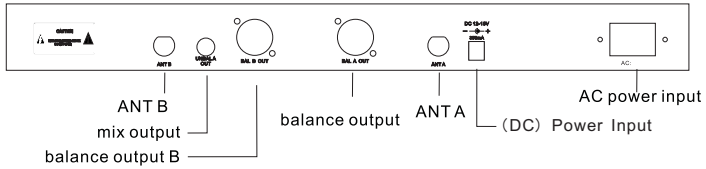


Figure 2

Operation guide and connection mothed of the receiver

1. Before open or turn off all the equipment, adjust the volume to the lowest level to avoid damage the sound box, and when turn on the system, the power expander firstly and the power secondly.
2. Connect the output plug of the power adapter to the power outlet, make sure the voltage is correct.
3. Audio output connection:

Mix output: one end of the audio line which enclosed insert into the MXOUT outlet, and the other insert into the MXCIN or AUXIN of mixer or amplifier.

Balance output: one end of the balance audio line (need to purchase)insert into the BALANCE OUT while the other into MICIN or AUXIN of mixer or amplifier.

HANDHELD TRANSMITTER

Handheld microphone

Handheld Transmitter:

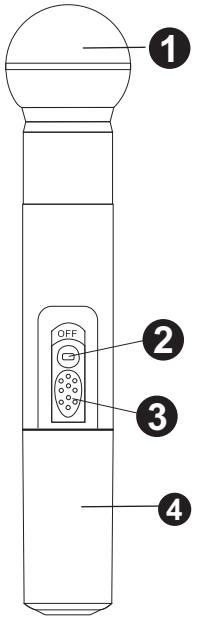


Figure 3

Functions:

1.Interchangeable microphone head

2.LED Power signal lamp

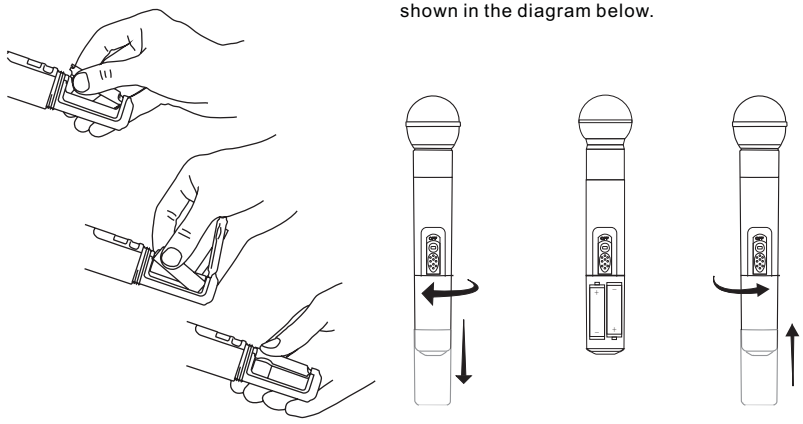
3.Power control switch

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.

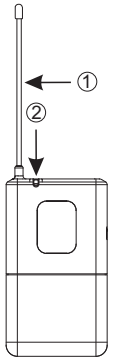


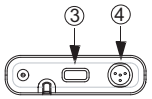
Bodypack microphone

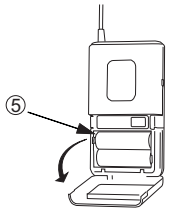
Bodypack Transmitter:

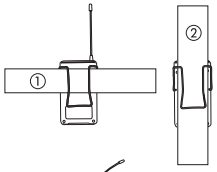
Functions:

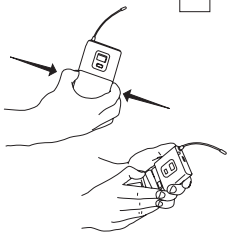
1.Antenna
2.Power lamp
3.Power on / off switchs
4.Microphone input socket
5.Battery compartment











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

1.work temperature: -10℃~50℃
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: 100M(300inch)
8.distortion: ≤0.5%

Microphone technology specification
1.RF output power: 10mW
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.rated power consumption: 3W
3.sensitivity: -93dBm
4.audio output :
XLR balance output: 0~400mV
Φ6.35 unbalance output: 0~350mV
5.power: 110V/60Hz
6.rated power: 6W

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 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