



USER'S MANUAL

WIRELESS MICROPHONE EW001

SOUNDKING AUDIO

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This device complies with Part 74 of the FCC Rules.
Operation is subject to the following two conditions :
(1)This device may not cause harmful interference, and
(2)this device must accept any interference received,
including interference that may cause undesired operation.

J. Notice:

1. When DC power is supplied, the inside polarity of plug is positive, the current should be more than 500mA, a voltage of 12V~18V to avoid damage.
2. Use the specified antenna, keep the antenna away from anything else to assure the sensitivity of receiver.
3. Position the receiver more than 1 meter above the ground when operating it, keep a distance between the antennas of transmitter and receiver more than 1 meter, and keep them far away from sound source of noise and heat source.
4. The receiving distance is a variate of application.
5. Handle with care and don't throw it here and there.
6. Avoid the sunshine and moisture condition, and user should take out the battery and keep it after using it.
7. Don't change the parameter of the equipment inside, in order to avoid unnecessary breakdown.
8. Send it to service dept once you meet any problem.

K. Accessories:

1. Audio cable $\Phi 6.3$ * 1
2. User's manual * 1
3. AC/DC power regulator * 1

Audio input and connections:

1. Dynamic capsule, condenser capsule and electric guitar available;
2. Capsule selections and cable:



Headset condenser

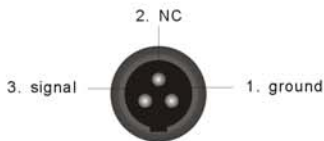


Clip condenser



Guitar cable

3. Connection pin:



I. Electric Specifications of Transmitter:

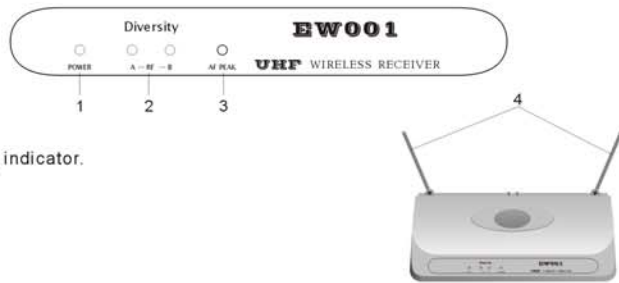
Type	Handhold microphone	Bodypack microphone
Carrier frequency	638.35MHz to 643.475MHz	638.35MHz to 643.475MHz
Frequency stability	$\pm 0.005\%$	$\pm 0.005\%$
Transmitter power	3mW	8mW
Frequency warp	$\pm 48\text{KHz}$	$\pm 48\text{KHz}$
Dynamic range	$> -45\text{dBc}$	$> -45\text{dBc}$
Power supply	9V	9V

Thank you for choosing our wireless microphone receiver system. Before using it, please read this user manual very carefully so that you can understand how to operate the product of this style, and make sure that you can get the best sound when you use it. This machine has been proved through CE and FCC by authority institute, suitable many zones, portability and anti-jamming. Welcome your patronizing again!

A. Features of receiver :

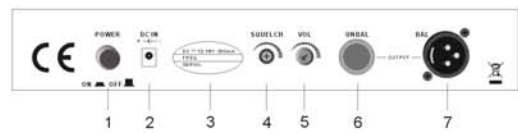
1. UHF frequency band, automatism diversity, quartz controlled fixed frequency, not bring frequency excursion.
2. Adopt the TONE-KEY control squelch circuit so that you can avoid disturbance by others frequency.
3. Receiver have high fidelity, low noise, huge dynamic rang and frequency response.
4. Receiver has special design of PCB circuit to get rid of the noise from switch when you open or switch off the equipment.
5. Hand-hold or body pack style are available also.
6. +15V DC power supply.

B. Main function in front-plate of receiver:



1. Power indicator
2. Receiver automatism diversity indicator.
3. Audio peak indicator
4. Antenna of receiver

C. Main function in back-plate of receiver:



1. Power switch
2. DC power input
3. Power/frequency/serial label
4. Squelch control
5. Unbalance output volume control
6. Unbalance output
7. Balance output

H. BodyPack Transmitter:

Name and description of parts:

1. Signal input plug
2. Power and mute switch (mute centered)
3. Power and low voltage indicator: red light flashes once when the power is turned on. When the red light is lit, it shows the low voltage.
4. Gain adjustor
5. Clamp
6. Audio input selector

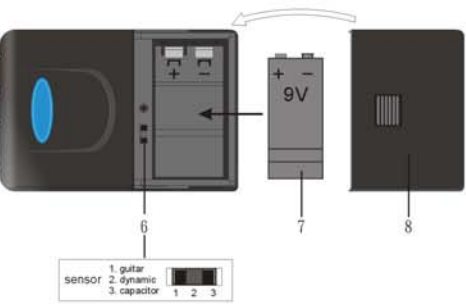


7. 9V battery
8. Cover of battery compartment

load battery:

1. Open the cover of battery compartment (8) :
2. Load the 9V battery (7) , note the polarity of the battery;
3. Cover the battery compartment.

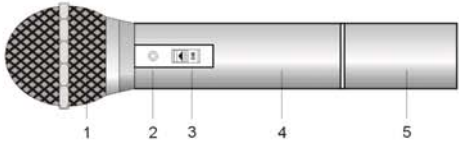
Turn off the power and take out the battery when the unit is out of use.



G. handheld wireless microphone:

Feature and Specifications:

1. Grille holder :Durable steel grille resists impact damage when dropped
2. Power led: Low-battery warning
3. Switch: power and AF ON-OFF
4. Handholder tube;
5. Tail tube
6. 9V battery



Battery:

1. Screw down the tube counter-clockwise (7)
2. Install the two 9V battery into the compartment correctly (8)
3. Screw on the tube clockwise.

Take out the battery when the microphone is out of use.



D. Guide of operation :

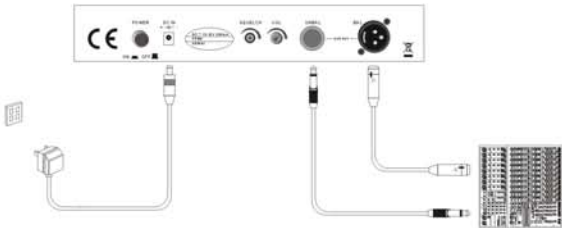
1. Power control:
Control the power by switch . Push the switch to ON position, the indicator shines and it means power is turn on. Push this switch OFF position, this unit is being in silent state.
2. DC power input:
DC power supply with adaptor supply or battery of 12-18V 300mA(best using DC15V)Affirm DC supply the electric terminal is right with DC plug connection " DC-IN " socket. DC plug center is positive polarity.
3. Antenna:
Used for receipt of signal from microphone, and you can achieve the best effect by adjustment of angle of antenna.
4. Squelch control:
Note: please adjust connection with receiver to turn on, microphone not turn on, receiver LED indicator (A/B) light, or have noise, show it have been received jamming by outside signal. Here, please adjust SQ. Control until receiver LED indicator extinguish. Or noise disappears.
5. Volume control in unbalance condition volume control knob:
Once the microphone on, the indicator shines and enters into state of receiving signal. The volume output of mic could be adjusted by volume control knob.
6. Unbalance output:
The output which control signal transmitted out could be connected by mixer and amplifier input or input connector of pre-amp for 1/4 inch phone plug.
7. Balance output:
The output socket is not to be controlled by volume control knob, using XL RCANNON socket connecting with mixer or amplifier mike input socket.
8. Indicator of receiver:
 - (1) Indicator of power:
When the switch is push ON position, the indicator will shine and show power supply.
 - (2) Indicator of automatism diversity:
Show the receipt of signal. The shine of LED Indicator A or B means receipt of signal from microphone.
 - (3) Indicator of audio signal:
Show the situation of output signal.

E. Electronic parameter specification:

Receiving Method	Diversity receiver
Carrier Frequency range	638.35MHz to 643.475MHz
Receiving mode	Crystal control fixed frequency
Frequency Steadying	±0.005% / (-10~50℃)
Dynamic range	>100dB at15KHz
Tone Key	32.768KHz
Frequency response	50Hz~15KHz ±3dB
Sensitivity	3uV FOR 20dB SINAD
THD	<0.6% AT -70dB
S/N	>80dB
Output	1. Unbalanced: 0~750mV/5KΩ 2. Balanced (XLR) : 120mV/600Ω
Power supply	DC 12V~18V/500mA
Dimensions	210mm×114mm×37mm
Weight	600g

F. Operations of the Receiver:

1. Turn off the transmitter before power on the receiver. Turn down the volume of receiver to the minimum, then switch on the power supply of receiver, the power LED of PWR is lit to show the supply of power.
2. Turn on the microphone of specified frequency, the RF light of corresponding frequency is lit, this shows the signal sent from the transmitter has been received by the receiver, vocal signal can be received now; when AF light is lit, the volume of receiver can be adjusted to a proper position, if the actual situation is not same as above descriptions, the unit is abnormal and need inspection and maintenance.
3. Turn down SQ when the microphone is turned off. (Shorting the receiving distance)
4. When turning on the microphone, the ON LED is lit fully, when the voltage is less than 6.2V, the LED dims out, this shows the replacement of battery is needed.



balanced connector:



- 1. GND
- 2. HOT
- 3. COLD