

使用说明书

USER INSTRUCTION

UHF Wireless System

无线监听系统

Products are constantly improving so the different specification will not be further announced.

Please refer to the actual product.

由于产品在不断改良中，

参数可能更改恕不另行通知

图片可能与实物有差异，应以实物为准



Before usage, please read the instruction manual carefully and keep the instruction manual properly for future need.
在使用本产品之前，请仔细阅读说明书并请妥善保存，以备将来需要。

Preface

Thank you for choosing our wireless in ear monitor system.
In order to guarantee you use this products well, please read this instruction booklet carefully before using, understood correct operating procedures, to obtain the best effect.

Security and Environment

1. Keep the facility under cool condition, and do not put this machine in the site which is high temperature, moist, dusty or close to liquid stuff.
2. Do not open the machine in case Fire, electric shock risk.
3. Only can use the power adapter which the machine offers and confirm whether the working power voltage is fit for adapter access specification. It may be damage if using adapter that supply by other distributor.
4. Turn off the machine and pull out the adapter when you leave for long time.

Product presentation

1. This wireless in ear monitor system is used in stage performance and sound broadcast which can replace traditional complex sound monitoring equipment, achieve admirable listening effect.
2. With using the latest high frequency transmission and audio signal dynamic processing technology, also improve the signal to noise ratio of the dynamic range so that the system has the best anti-interference to show the perfect original sound again.

Main features

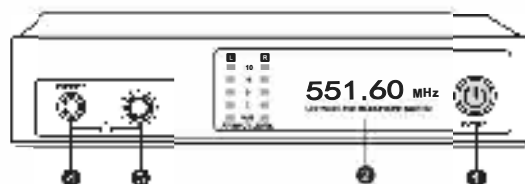
- UHF band Phase lock PLL
- Among the band of 40MHz, the preset 80 frequencies can be arbitrary switching
- Dynamic expansion circuit, greatly improve signal to noise ratio
- Elegant liquid crystal display panel
- With power and RF receiving indecator lamp
- With using two AA batteries and efficient power circuit, long service time
- Metal housing, sturdy and durable
- The transmitter adopts balanced and unbalanced sharing socket
- The transmitter is with output monitoring phone jack

Main function

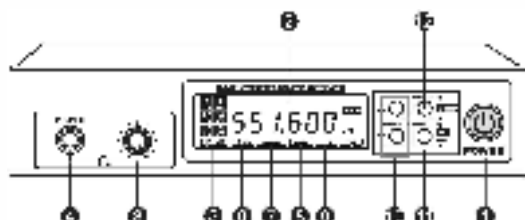
The system consists of a mini receiver and transimtter combination, and its main funtion and characteristics are described below:

- Among the band of 40MHz, you can preset 80 frequencies which can be arbitrary switching.
- With using advanced circuit design, clear the receiving blind angle to make the system's receiving signal steady. The system is strong resistance to fall because of the housing is made by tough metal material. It is the best choice of stage performance monitor product.

The front panel instruction of transmitter

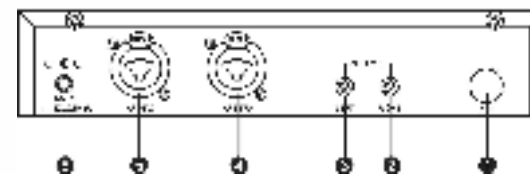


1. Power switch
2. LED display: show the operation of each item and setting
3. Earphone volume potentiometer: adjust the volume of earphone
4. 6.35mm earphone output socket: connecting the stereo earphone, monitoring the output signal

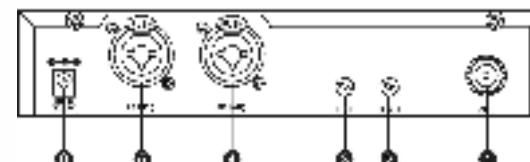


1. Power switch.
2. LCD display: show the operation of each item and setting.
3. Earphone volume potentiometer: adjust the volume of earphone.
4. 6.35mm earphone output socket: connecting the stereo earphone, monitoring the output signal.
5. AF input.
6. Group: frequency group.
7. Channel: frequency channel.
8. Limiter mode: when limiter mode is on, transmitter will limit volume input within certain range to avoid the input is too big.
9. Lock or unlock.
10. ▲▼:up and down selection keys.
11. Info: in the original default menu interface, press this key to switch between different display:
 - Display 1: current group and channel information;
 - Display 2: current frequency display.
 Set: confirm.
12. Menu selection key.

The back side panel instruction of transmitter

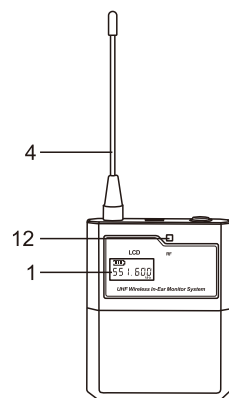
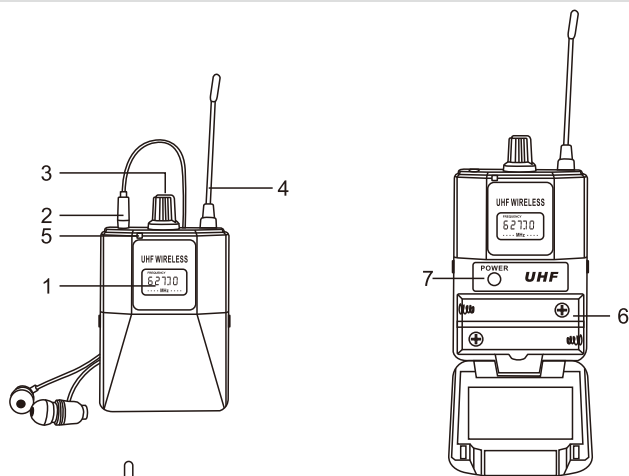


1. Antenna
2. Right channel potentiometer: adjust volume
3. Left channel potentiometer: adjust volume
4. Right channel input: XLR or 6.35mm input
5. Left channel input: XLR or 6.35mm input
6. DC power: connecting 9V DC power input socket , the voltage of the outlet center is positive voltage

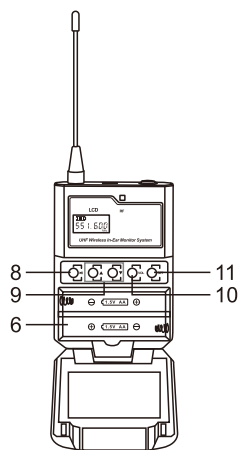


1. Antenna
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Bodypack Receiver

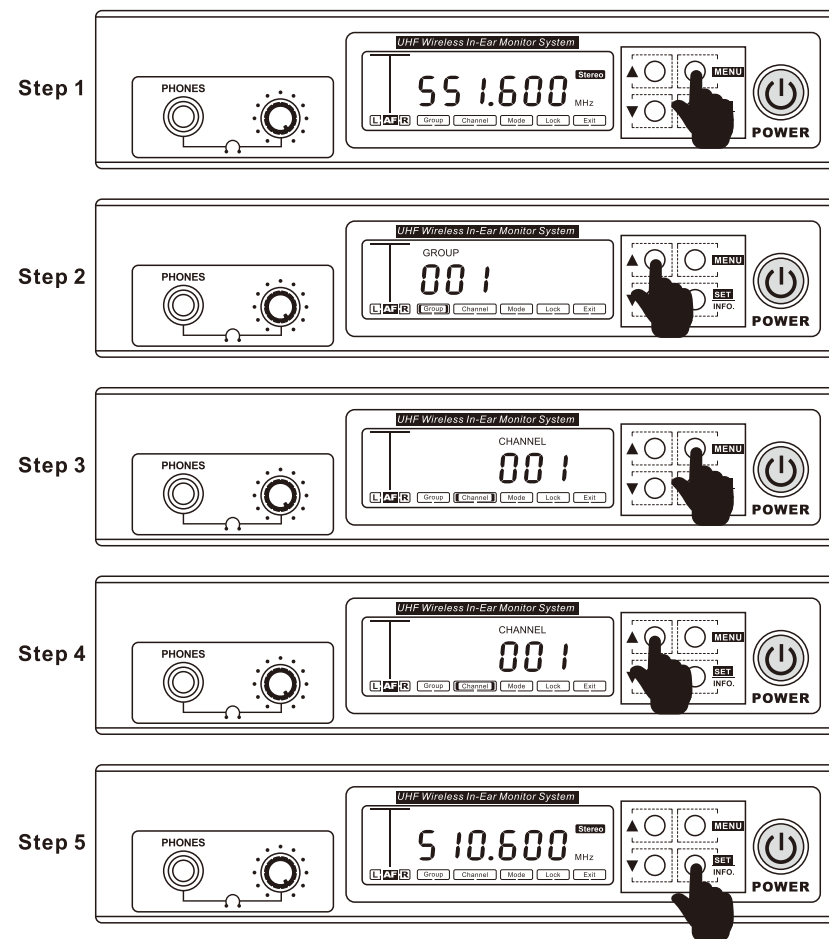


1. LCD/LED: Display working content
2. 3.5mm headphone output: connect headphone
3. Volume potentiometer: adjust volume
4. Antenna: assemble fixed antenna
5. Indicator light:
 - Green light: receiving signal indication;
 - Red light: low power indication
6. Battery warehouse: use 2 AA batteries
7. Power switch: turn on or turn off
8. Pause
9. ▲▼:Up and down selection keys
10. VOL
11. SET: Confirm
12. Indicator light: indicate receiving signal information



FM method

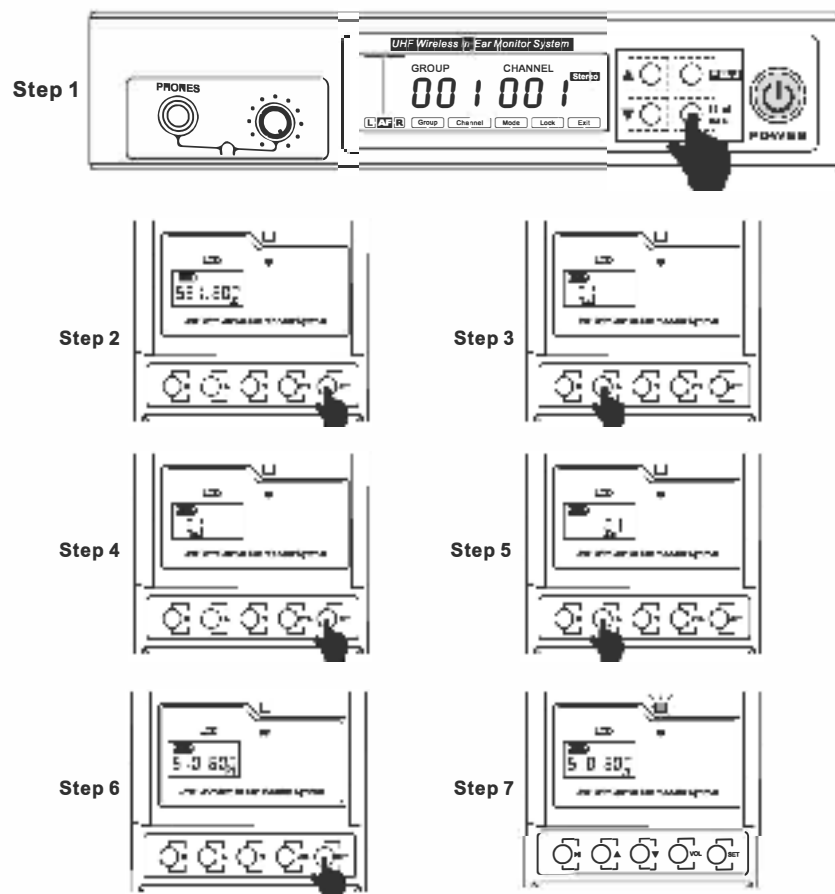
Transmitter operation:



1. Press the 'MENU' button to select 'GROUP'
2. '↑ ↓' key to select group number
3. After selecting the group number, press 'MENU' to switch to the 'CHANNEL' menu
4. '↑ ↓' key to select channel number
5. After selecting, press 'set' to confirm, the transmitter will set the new frequency

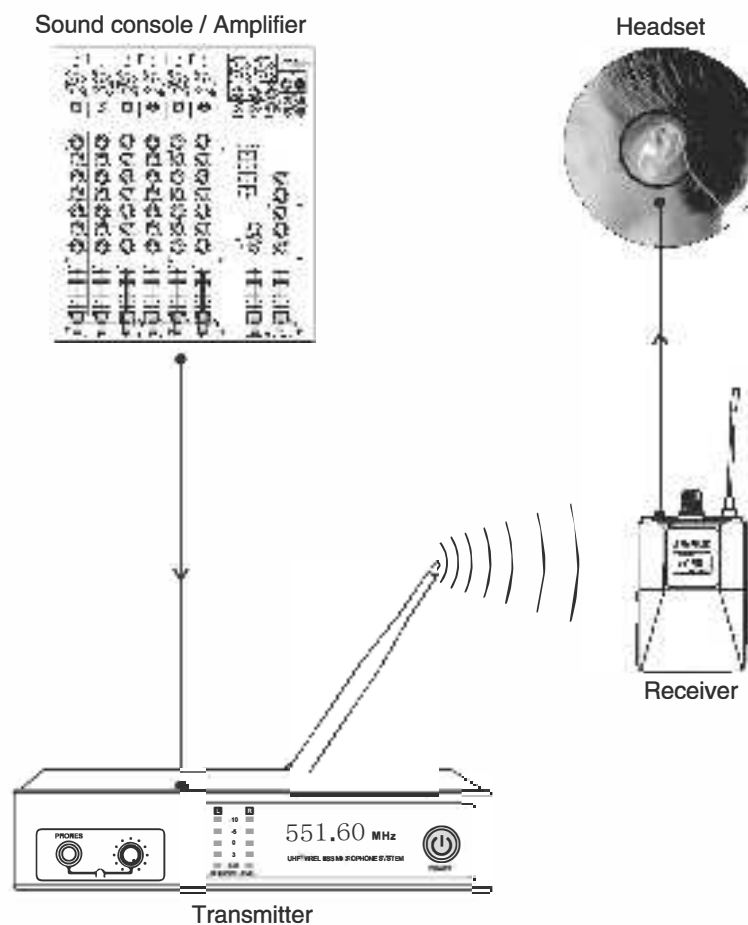
FM method

Transmitter operation:

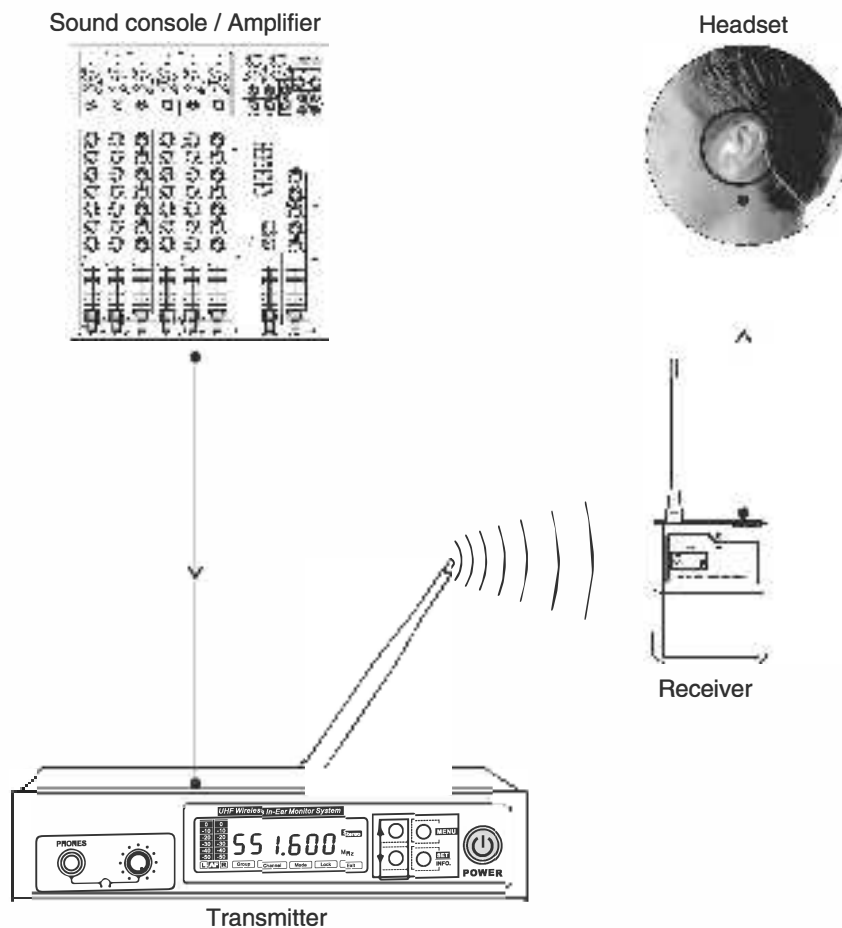


1. In the default interface, you can press the 'INFO' button on the transmitter to view the group and channel number set by the current transmitter.
2. Press 'SET' on the lavalier.
3. Press '↑ ↓' key to adjust the same group number as the transmitter.
4. After selecting the group, press 'SET' to switch to the channel selection.
5. Press '↑ ↓' key to adjust the same channel number as the transmitter.
6. Press the 'SET' key to confirm, the lavalier has set the new frequency.
7. The transmitter and the lavalier are successfully paired, and the RF light of the lavalier will always be green.

Usage illustration instruction



Usage illustration instruction



Technical Data

Case specification:	standard 1 U metal	Transmitter
Case material:	panel	
Oscillation mode:	PLL synthesized	
Frequency stability:	$\pm 0.005\%$ UHF510	
Frequency range:	510.6~589.6MHz	
Max Deviation:	$\pm 48\text{KHz}$	
Frequency response:	50Hz~15KHz $\pm 3\text{dB}$	
Transmit output power:	100mW(50 Ω)	
Harmonic radiation:	<4NW	
AF input:	XLR, $\phi 6.35\text{mm}$ jack	
Earphone output:	$\phi 6.35\text{mm}$ stereophonic socket	
Earphone load impedance:	$\geq 16 \Omega$	
Current consumption:	DC 9V 500mA	
Antenna socket:	BNC socket (50 Ω)	

Oscillation mode:	PLL synthesized	Receiver
Frequency stability:	$\pm 0.005\%$	
Frequency range:	UHF510.6~589.6MHz	
Receiving mode:	single tuning	
Sensitivity:	deviation 25 KHz, with connecting 7dBuV, S/N>78dB	
Max Deviation:	$\pm 48\text{KHz}$	
Comprehensive S/N ratio:	>94 db (1KHz-A)	
Comprehensive T.H.D:	<3% @ 1KHz	
Frequency response:	80Hz~15KHz $\pm 3\text{dB}$	
Output power (32 Ω):	2X35mw @ 1KHz	
Earphone load impedance:	$\geq 16 \Omega$	
Output socket:	$\phi 3.5\text{mm}$ stereo earphone socket	
Volume output adjusts:	adjust when using	
Power box:	batteries AAX2	
Current drain:	3V/120mA (Under the median degrees of the volume control)	
Antenna:	fixed 1 / 2 λ	

FCC Statement

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.

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

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.