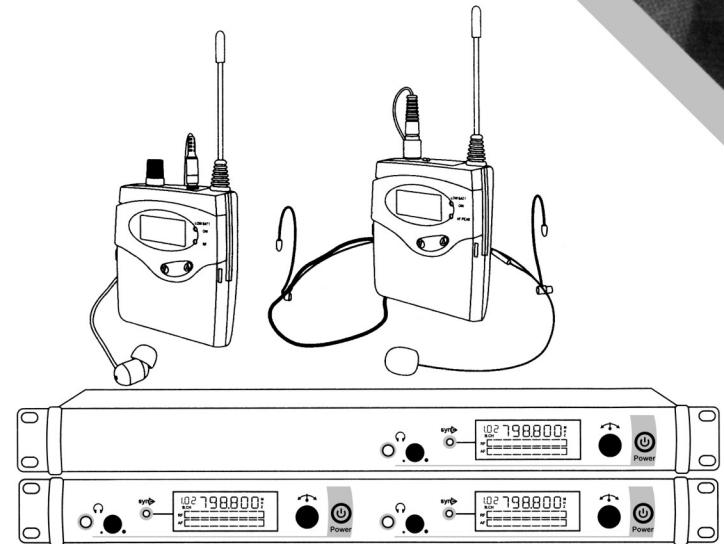


IN-EAR MONITOR SYSTEMS

The specification won't do and
further notice for the improvement
Actual product will not be as pictured

USER INSTRUCTION



In uses the unit before, please read the instruction manual carefully
and keep the instruction manual properly in order to need in future.

Preface

Thank you for choosing our multi-channel microphone products. 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 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

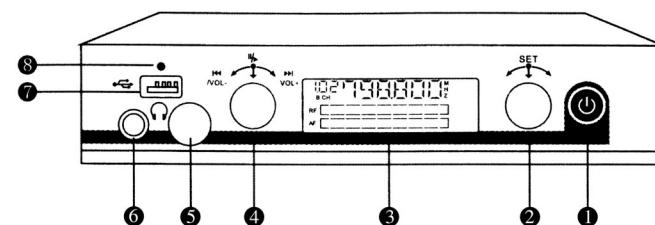
- UHF band Phase lock PLL
- Among the band of 32MHz, the preset 40 frequencies can be arbitrary switching
- Dynamic expansion circuit, greatly improve signal-to-noise ratio
- Elegant liquid crystal display panel
- With power and RF receiving indicator lamp
- With using two No. 5 batteries and efficient 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 transmitter combination, and its main function and characteristics are described below:

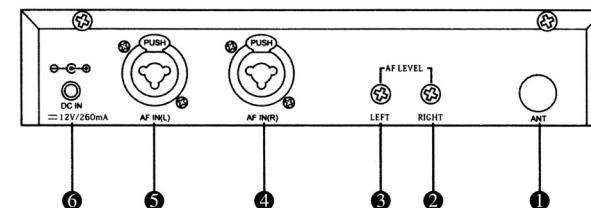
- Among the band of 32MHz, you can preset 40 frequencies which can be arbitrary switching.
- With using advanced circuit design, clear the receiving blind angle to make the system's receiving signal steady. The system is strong resistance to fall because of the housing is made by tough metal material. It is the best choice of stage performance monitor product.

The front panel instruction of single channel receiver



1. Power switch
2. Function setting key : choose the function of setting
3. LCD display : show the operation of each item and setting the content
4. USB function setting key : adjusted the function of USB play , volume control etc.
5. Earphone volume potentiometer : adjusted the volume of earphone
6. 6.3 earphone output socket : connecting the stereo earphone, monitoring the output signal
7. USB socket : connecting USB disk, MP3 audio frequency input
8. USB indicate light : to indicate the working condition of USB disk

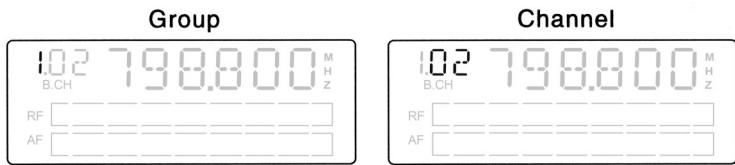
The back side panel instruction of single channel receiver



1. Antenna
2. Right channel potentiometer : adjusted volume
3. Left channel potentiometer : adjusted volume
4. Right channel output : can use balanced and unbalanced
5. Left channel output : can use balanced and unbalanced
6. DC power : connecting 12V DC power input socket , the voltage of the outlet center is positive voltage

The instruction way to use single channel transmitter

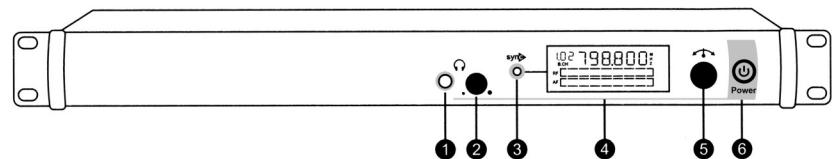
- 1.Turn on / off : long press the button "POWER"
- 2.Group choosing : ① pressed "  ", ② turned "  " to left or right to choose the frequency range you need.
- 3.Channel choosing : ① pressed 2X "  ", ② turned "  " to left or right to choose the frequency range you need.



4. USB using method :

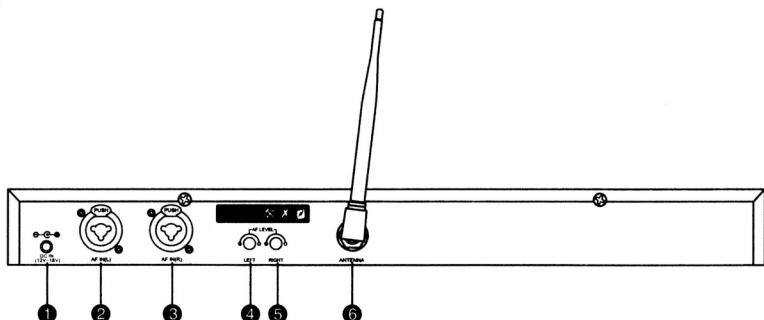
- ①Start/pause USB : insert USB or MP3 , pressed "  " lightly
- ②Choose music : turned "  " to left or right to choose last or next song
- ③Adjusted USB volume : turned "  " to left or right to decrease or increase volume.

Single Channel Desktop Transmitter Front View



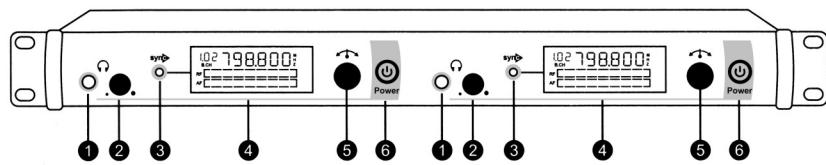
1. 6.35mm headphone output: connect stereo headphone, monitor output signal
2. Headphone volume potentiometer: adjust stereo headphone volume
3. SET selection: choose setting function
4. LED: display operation and content
5. DOWN selection: choose setting function
6. Power switch: turn on/turn off

Single Channel Desktop Transmitter Back View



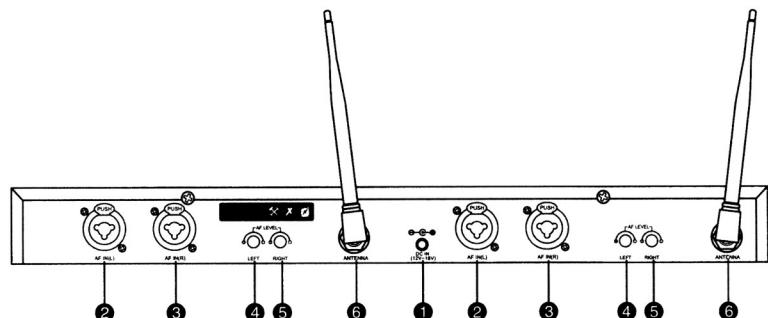
1. DC power socket: connect with 12V DC power input socket, the socket center connect positive voltage
2. The left channel: balanced and unbalanced sharing input
3. The right channel: balanced and unbalanced sharing input
4. Left volume adjustment potentiometer
5. Right volume control potentiometer
6. Antenna

Double Channel Desktop Transmitter Front View



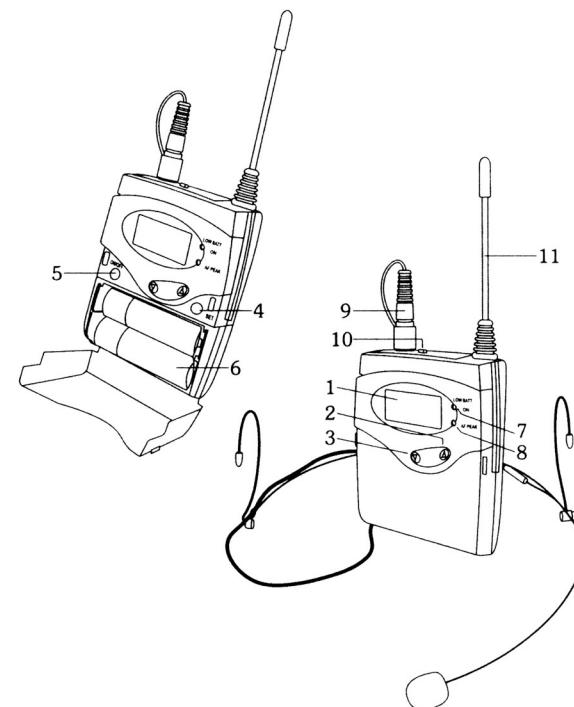
1. 6.35mm headphone output: connect stereo headphone, monitor output signal
2. Headphone volume potentiometer: adjust stereo headphone volume
3. SET selection: choose setting function
4. LED: display operation and content
5. DOWN selection: choose setting function
6. Power switch: turn on/turn off

Double Channel Desktop Transmitter Back View



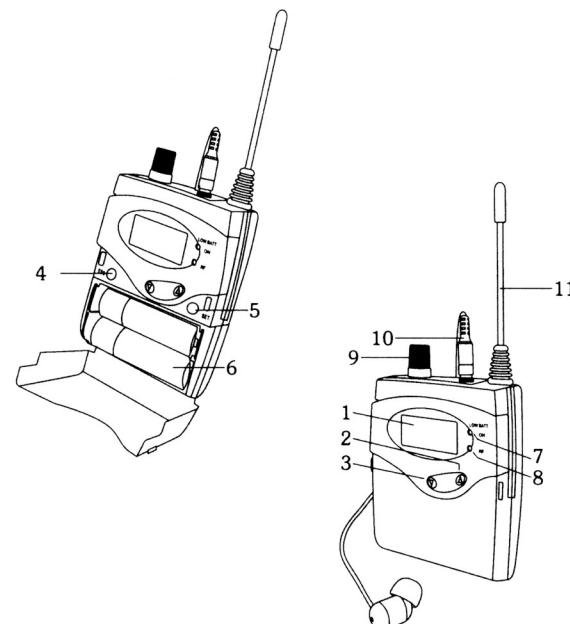
7. DC power socket: connect with 12V DC power input socket, the socket center connect positive voltage
8. The left channel: balanced and unbalanced sharing input
9. The right channel: balanced and unbalanced sharing input
10. Left volume adjustment potentiometer
11. Right volume control potentiometer
12. Antenna

Bodypack Transmitter



1. LED: Display working content
2. UP selection: choose setting function
3. DOWN selection: choose setting function
4. SET selection: choose setting function
5. Power switch: turn on/turn off
6. Battery warehouse: after inserting two number 5 batteries, cover it
7. low voltage indicator lamp: batteries work out
8. Volume peak indicator light
9. Mic input in
10. Mute switch
11. Antenna

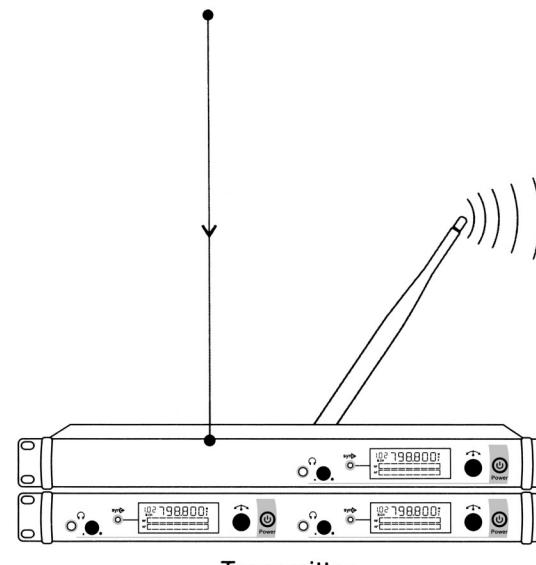
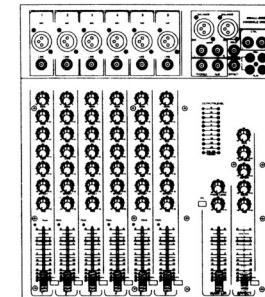
Bodypack Receiver



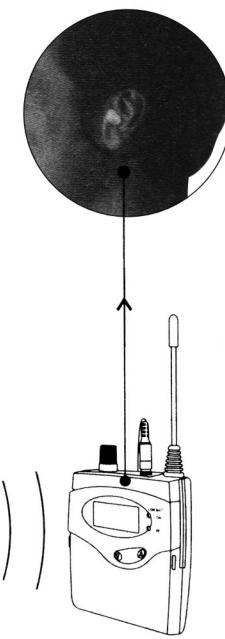
1. LED: Display working content
2. UP selection: choose setting function
3. DOWN selection: choose setting function
4. SET selection: choose setting function
5. Power switch: turn on/turn off
6. Battery warehouse: after inserting two number 5 batteries, cover it
7. low voltage indicator lamp:batteries work out
8. RF indicator light: indicate receiving signal information
9. Power switch + volume potentiometer: turn on or turn off and adjust volume
10. 3.5mm headphone output: connect headphone
11. Antenna: assemble fixed antenna

Usage illustration instruction

Sound console / Amplifier



Headset

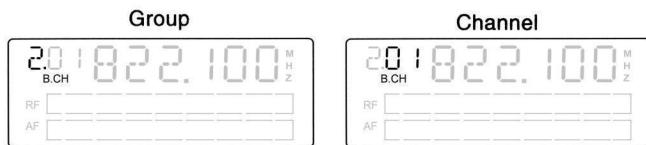


Transmitter

System settings

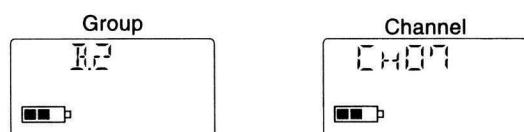
Desktop Transmitter Settings

1. Turn on/Turn off: long press POWER button
2. Group selection: ① SET or press ↗ ② Reverse ↗ to the left or right
3. Channel selection: ① 2xSET or press 2x ↗ ② Reverse ↗ to the left or right



Bodypack Transmitter Settings

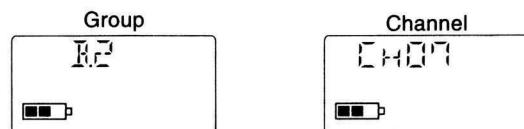
1. Turn on/Turn off: long press ON/OFF
2. Group selection: ① SET ② ↗/↖
3. Channel selection: ① 2xSET ② ↗/↖



Bodypack Receiver Settings

1. Turn on/Turn off:  ON  OFF
Rotate volume potentiometer  ON MAX VOLUME

2. Group selection: ① SET ② ↗/↖ ③ ESC
3. Channel selection: ① 2xSET ② ↗/↖ ③ ESC



Technical Date

Case specification:	standard 1U	Transmitter
Case material:	metal panel	
Oscillation mode:	PLL synthesized	
Frequency stability:	± 0.005%	
Frequency range:	UHF550-600MHz	

Operate mode:	manual adjust
Max Deviation:	± 48KHz
Frequency response:	50Hz~15KHz ± 3dB
Transmit output power:	100mW(50Ω)
Harmonic radiation:	<4NW
AF input:	XLR, φ 6.35mm jack
Earphone output:	φ 6.35mm stereophonic socket
Earphone load impedance:	≥16Ω
Current consumption:	DC 12V/250mA
Antenna socket:	TNC socket (50Ω)

Oscillation mode: PLL synthesized

Frequency stability: ± 0.005%

Frequency range: UHF550-600MHz

Receiver

Operate mode: manual adjust

Receiving mode: single tuning

Sensitivity: deviation 25 KHz, with connecting 7dBuV, S/N>78dB

Max Deviation: ± 48KHz

Comprehensive S/N ratio: >94 db (1KHZ-A)

Comprehensive T.H.D: <3% @ 1KHz

Frequency response: 80Hz~15KHz ± 3dB

Output power (32Ω): 2X35mw @ 1KHZ

Earphone load impedance: ≥16Ω

Output socket: φ 3.5mm 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

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

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.

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

Radiation Exposure Statement

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 and your body.

Ant.	Atnenna Brand	Antenna Model Name	Antenna Type	Connector	Gain (dBi)	EIRP(dBm)	NOTE
1	N/A	N/A	External Antenna	TNC	2.5	7	Antenna 1
2	N/A	N/A	External Antenna	TNC	2.5	7	Antenna 2