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Foreword

Thank you for choosing our professional wireless in-ear monitor system. You have joined thousands of other satisfied customers. Our years of professional experience of design and manufacturing to ensure our products' quality, performance and reliability.

2. Stereo Transmitter

Chassis Size: 1/2 EIA standard 1U

Channel: Single Channel

Frequency Stability: $\pm 0.005\%$ ($-10\sim 50^{\circ}\text{C}$)

Carrier Frequency Band: 500--980MHz

Modulation System: FM

Output Power: 10mW-100mW

Oscillation Mode: PLL Synthesized

Frequency Bandwidth: 12~24MHz

Harmonic Radiation: $<-60\text{dB}$

Maximum Deviation: $\pm 45\text{KHz}$

S/N Ratio: $>97\text{dB}$

T. H. D. : $\leq 1\%$ @1KHz

Frequency Response: 50Hz-15KHz $\pm 3\text{dB}$

Audio Input: Line level x 2, XLR $\phi 6.3\text{mm}$

Audio Output: $\phi 6.3\text{mm}$ unbalanced socketx2

Measure(mm): 205(W)x44(H)x203(D)

Weight(kg): about1.3

1. Caution

Please read this safe operation rules carefully before install and use this equipment. Please also keep this well for future reference.

Please do not open this device casing, otherwise may cause electric shock. If you need maintenance or repair, please contact the local agent.

Please do not contact power plug by wet hand, otherwise it may cause fire or get an electric shock.


If the power cord damaged (such as broken cable or naked conductor), please get the replacement cable from the agent. Continue to use the device with damaged power cord that may lead to fire or get an electric shock.

If you want to move the location of the apparatus, please turn off the power and pull out the power plug and all the connecting cable, otherwise it may damage the cable, which can lead to fire or get an electric shock.

Before cleaning equipment, please pull out the power plug and all the connecting cable. Then use dry soft cloth to wipe it.

If not use the equipment for long time, please turn off the power supply, the best is to pull out the power plug.

Don't throw waste batteries, please put in the designated recycling bins.

Devices labeled dangerous warning signs "", means it is dangerous by electric. The external wire for terminal connection is required the professional to install and or to use the ready-made lead/cord.

All of our products will have one-year free warranty, but except for artificial damage, such as:

--man-made damage.

--damage caused by the wrong operation.

--Component damaged or lost by disassembly

2. System Profile

2.1 System Introduction

This system is used to stage performance, sound broadcasting wireless monitoring system, and large conference wireless language distribution system. High-fidelity sound. With advanced electronic processing technology to replace the heavy and complex monitoring devices, avoid the echo noise from monitoring devices, make the performance to be perfect.

2.2 System Feature

- ※ EIA-standard 1/2 U metal case
- ※ Exquisite & concise panel with multi-function LCD display
- ※ UHF receiver with CPU control diversity circuit, reduce frequency blind spots
- ※ 16MHz bandwidth, 32 channels for selection
- ※ Stereo & Mono function for selection
- ※ Stable PLL oscillation circuit, with “noise detection” mute control function, could effectively obstruct RF interference from the environment
- ※ with output ear-monitor headphone socket
- ※ With long distance transmission, suitable for various occasions

6. Technical Parameters

1. Stereo Receiver

Channel Group: single channel
Frequency Stability: $\pm 0.005\%$ ($-10\sim 50^{\circ}\text{C}$)
Carrier Frequency: UHF500~980MHz
Modulation Method: FM
Working Distance: about 60m (open place)
Oscillation mode: PLL Synthesized
Sensitivity: drift rate is 25KHz, input 6dB μV , S/N>60dB
Frequency Bandwidth: 12~24MHz
Max Drift Rate: $\pm 45\text{KHz}$
S/N ratio: >97dB
T. H. D. : $\leq 1\%$ @1KHz
Frequency Response: 50Hz-15KHz $\pm 3\text{dB}$
Stereo Isolation: $\geq 45\text{dB}$ @1KHz
Output Socket: $\phi 3.5\text{mm}$ stereo earphone socket
Output Power: 2x75mW@1KHz(T. H. D. :3%)
Battery: AAx2
Current Consumption: 150mA
Battery Life: about 8 hours
Dimension(mm): 108(H)x63(W)x25(D)
Weight(g): about 200

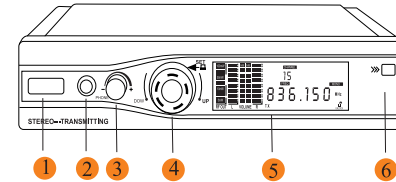
5.2 Wireless Receiver

Fault Phenomenon	Analysis	Solution
cannot boot	the battery without electricity	replace battery
	the positive and negative of batteries are reversed	place the batteries correctly
earphone without sound	whether work in suitable range	using in suitable range
	not turn on the volume	turn on the volume
	do not in the same frequency with transmitte	set the frequency same with transmitter
without stereo audio	audio output selectced single	audio output selectced dual
	the transmitter without stereo modulation	check the transmitter

3. System Function Profile

3.1 Wireless Transmitter Function Profile

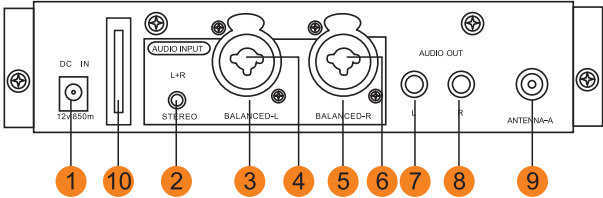
Transmitter Front Panel



1. power switch
2. earphone monitoring socket
3. earphone volume adjusting knob
4. setting button (SET button for menu/confirm)
5. LCD
6. IR window (for setting frequency)

3.1 Wireless Transmitter Function Profile

Transmitter Back Panel

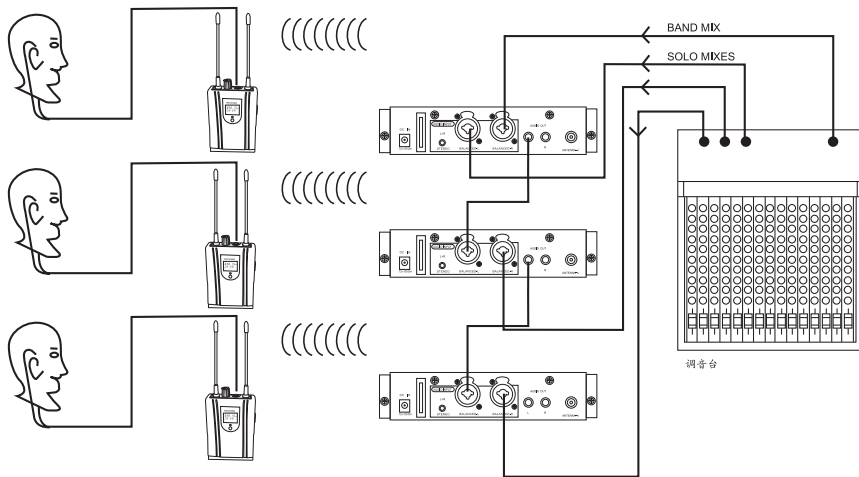


- 1. power socket
- 2. stereo socket(Φ3.5mm)
- 3. left sound track balance input
- 4. left sound track unbalance input
- 5. right sound track balance input
- 6. right sound track unbalance input
- 7. left sound track output
- 8. right sound track output
- 9. antenna connector
- 10. fixed plastic frame

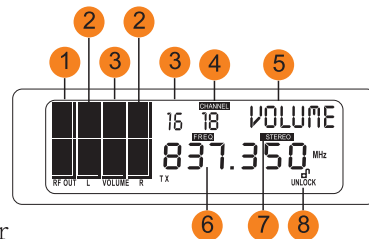
5. System Fault Diagnosis

5.1 Wireless Transmitter

Fault Phenomenon	Analysis	Solution
cannot boot	not connect the power	connect the power with the supplied cable
	blowout	contact the local agent to replace the fuse
short distance for signal receiving	receiver is not installed antennas, or not installed correctly	install antennas correctly
	obstacles obstruct signal transmission	remove or avoid the obstacle
no stereo audio modulation	set in mono modulation in menu	set in stereo modulation in menu
	no stereo audio signal output	use the audio signal output with stereo



Transmitter LCD Instruction

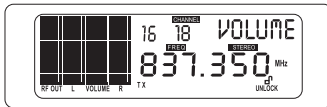


- ①. RF signal indicator
- ②. L: left sound track indicator
R: right sound track indicator
- ③. volume indicator
- ④. channel display
- ⑤. function selection (mode)
- ⑥. frequency display
- ⑦. mono/stereo display
- ⑧. locking /unlocking display

3.2 Transmitter Operation Instruction

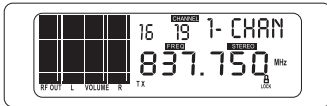
1. L/R Volume Setting

rotate the knob into setting directly, then shows "VOLUME" and 16 groups of number and 7 sets of level. As below;



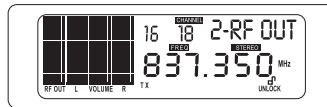
2. Frequency Setting

press "SET" button into menu: 1-CHAN, rotate the knob, system will Plus or minus the channel and frequency based on the presetting. As below:



3. RF Output Setting

press "SET" button into menu, the LCD displays "2-RF OUT", rotate the knob to adjust the RF output, there are 4 levels: 5mW, 10mW, 50mW, 100mW. As below:



transmitter unbalanced jack. These two type of jacks could be use at the same time.

3. Earphone Connection

The 6.5mm stereo jack is for earphone monitor. And it also could be connected with normal earphone or other audio equipment. (Attention: this 6.5mm phone jack is STEREO output, it must be connected with stereo plug. If it is used with mono connector, it may causes short circuit.)

4. Multifunction System

Using this system, the performers could hear their own instruments and mix instruments.

4. System Installation & Connection

4.1 System Installation

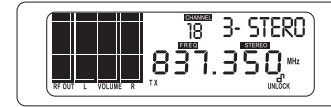
1. For better operation the transmitter should be at least 1m above the ground and at least 1m away from a wall or metal surface to minimize reflections.
2. Keep antennas away from noise sources such as computer, digital equipment, automobiles and TV, as well as away from large metal objects.
3. Attached a UHF antenna to the antenna input jacks, the antenna are normally positioned in the shape of a "V"(in 45° from vertical) for best transmission
4. Keep open space between the receiver and transmitter for better reception.
5. The transmitter should be at least 2m from the receiver.

4.2 System Connection



1. Put the DC==12V 850mA power adaptor to connect the transmitter, to prevent the DC plug from accidentally disconnecting, pull the wire through the fixed plastic rack and pull it tight. (Attention: Please know the voltage of power adaptor must be suitable for the local voltage.)
2. The rear panel of transmitter has $\Phi 6.3\text{mm}$ balanced jacks and $\Phi 6.3\text{mm}$ unbalanced jacks. If the output of mixer is XLR balanced output, then connect the transmitter balanced jack. If the output jack of mixer is $\Phi 6.3\text{mm}$ jack, then connect the

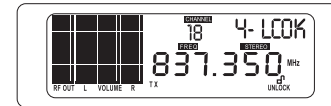
4. Aduio Modulation

press "SET" button into menu, the LCD displays "3-STEREO". rotate the knob anticlockwise (left) is for "STEREO", rotate clockwise (right) is for "MONO".



5. Locking Function Setting

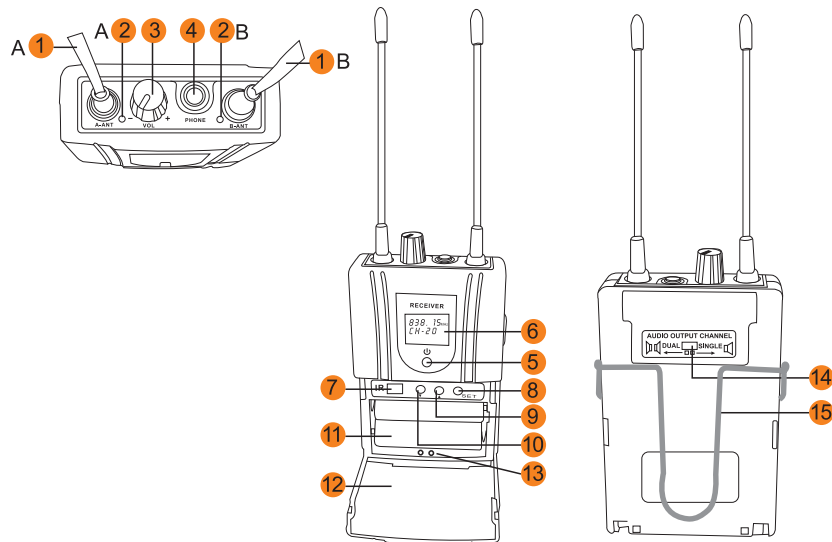
press "SET" button into menu, the LCD display "4-LOCK", rotate the knob anticlockwise (left) is for "LOCK ", rotate clockwise (right) is for "UNLOCK ". Other settings could not be workable in LOCK state.



6. Earphone Volume Setting

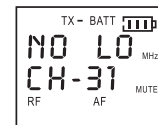
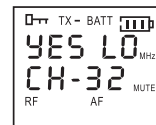
rotate the ⑤ volume knob to adjust the volume

3.3 Receiver Function Profile



3. Locking Function Setting

press “SET” button into locking or unlocking function. press ▲ button into locking, shows “YES LO”; press ▼ button into unlocking, shows “NO LO”.



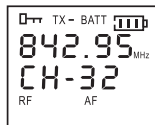
4. IR Function

put the receiver IR window face to the transmitter IR window, then press the “SET” button 3 seconds, IR window will flash and set the frequency automatically.

3.5 Receiver Operation Instruction

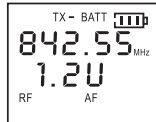
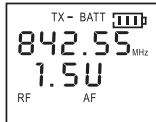
1. Frequency Setting

press "SET" button into frequency/channel setting, then press ▲/▼ button to select the frequency/channel you want. Then frequency/channel will flash and 3 seconds will be saved.



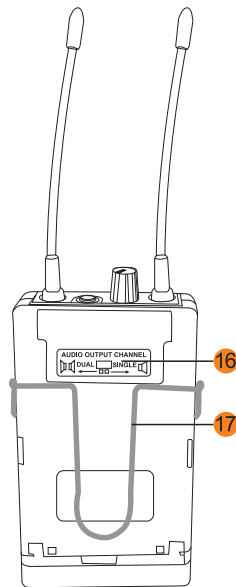
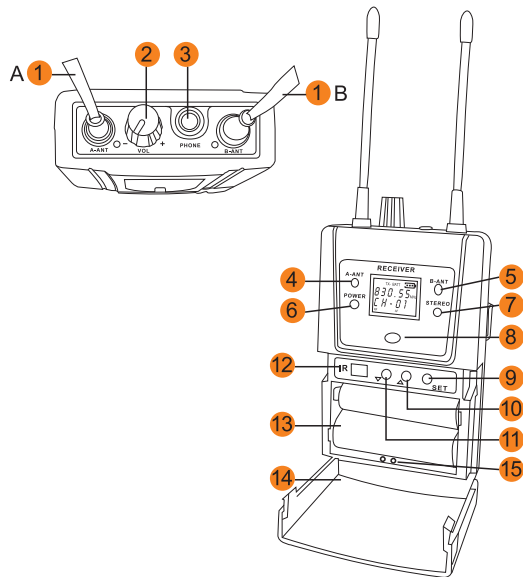
2. Battery Voltage Selection

press "SET" button into the battery voltage selection. Then press ▲ button into "1.5V" alkaline battery and ▼ button into 1.2V Ni-MH rechargeable battery. The correct battery voltage selection will make sure the battery level display correctly.



- ① antenna A/B
- ② antenna indicator A/B
- ③ volume adjustable knob
- ④ earphone jack ($\Phi 3.5\text{mm}$)
- ⑤ power switch
- ⑥ LCD
- ⑦ IR transmission window
- ⑧ setting button
- ⑨ UP selecting button
- ⑩ DOWN selecting button
- ⑪ battery room, AA*2
- ⑫ battery case
- ⑬ connector for BC-2 recharge dock
- ⑭ audio output mode selector:
 - DUAL: stereo output
 - SINGIE: mono output
- ⑮ metal clip

3.4 Wireless Receiver Function Profile



- ① antenna A/B
 - ② volume adjustable knob
 - ③ earphone jack ($\Phi 3.5\text{mm}$)
 - ④ A antenna indicator
 - ⑤ B antenna indicator
 - ⑥ power indicator
 - ⑦ stereo indicator
 - ⑧ power switch
 - ⑨ setting button
 - ⑩ UP selecting button
 - ⑪ DOWM selection button
 - ⑫ IR transmission window
 - ⑬ battery room, AA*2
 - ⑭ battery case
 - ⑮ connector for BC-2 recharge dock
 - ⑯ audio output mode selector
 - ⑰ metal clip
- DUAL: stereo output SINGLE: mono output

Solemn Statement: A number of products in this information have applied for a patent,all rights reserved! ! !

Professional wireless stereo monitor/ Interview System

Operating Manual



(Desktop Stereo Transmitter)



(Body-pack Stereo Diversity Receiver)

Due to the products improving continuously, parameters may change without prior notice, pictures may differ with the object, should be subject to the object.