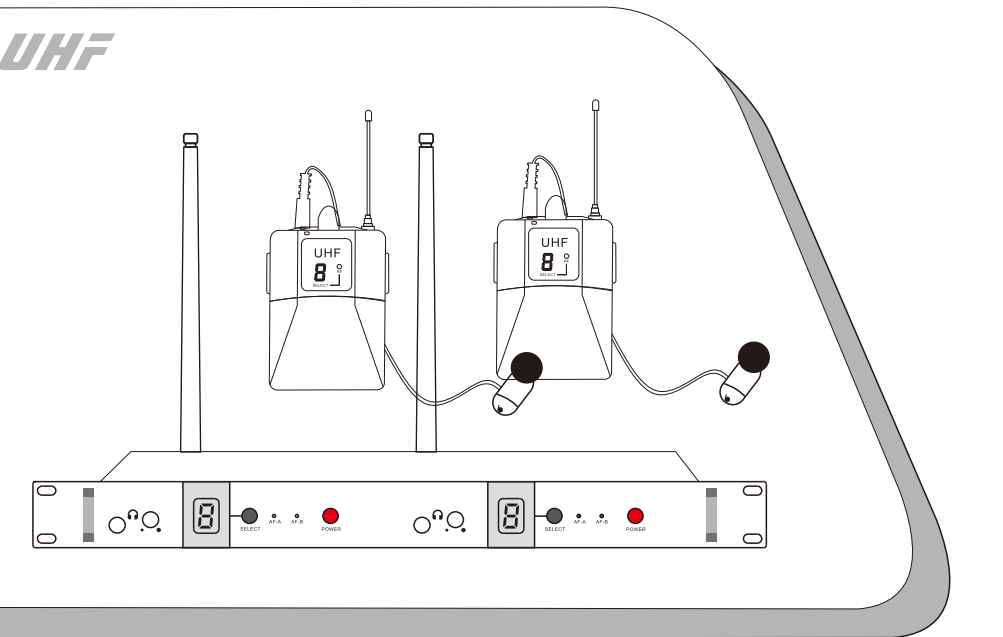


# USER MANUAL

## IN-EAR MONITOR SYSTEM



PLEASE STUDY THIS INSTRUCTION'S MANUAL  
CAREFULLY BEFORE INSTALLATION AND USE

## IN-EAR MONITOR SYSTEM

### MAIN FUNCTION

#### 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

#### Main features

##### UHF band

Among the band of 32MHZ, the preset 16 frequencies can be arbitrary watching

Dynamic expansion circuit, greatly improve signal-to-noise ratio

LED screen display

With power and RF receiving indicator lamp

With using two 1.5V 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

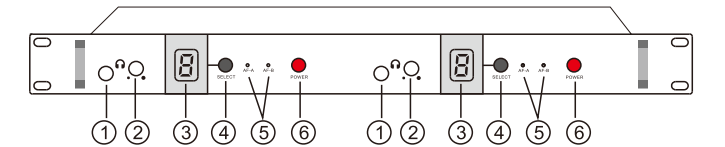
The system consists of a mini receiver and transmitter combination and its main function and characteristics are described below

Among the band of 32MHZ, you can preset 16 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

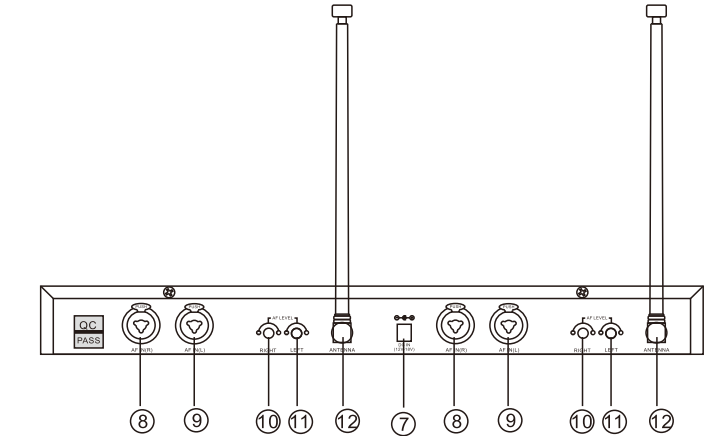
### DESCRIPTION

#### Double Channel Desktop Transmitter Front View



1. 6.35mm headphone output: connect to headphone
2. Headphone volume : adjust the headphone volume
3. Display screen: display the channel;
4. Selection button: select channel
5. AF signal indicator;
6. Power button: turn on or turn off

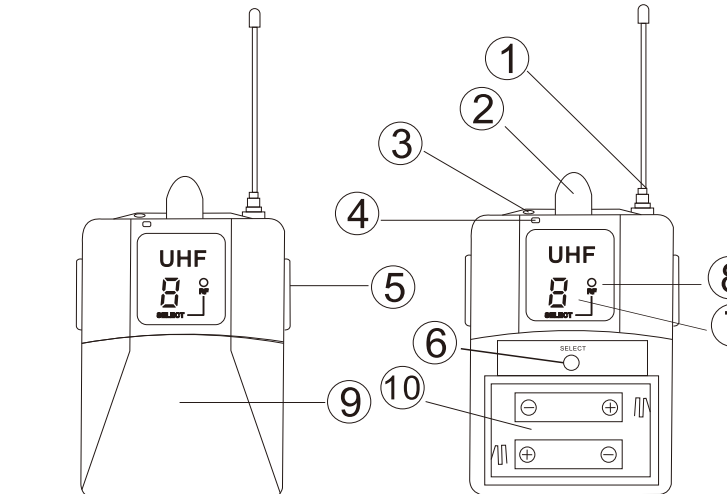
#### Double Channel Desktop Transmitter Back View



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 adjustment potentiometer
12. Antenna

### DESCRIPTION

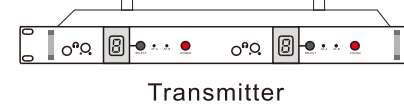
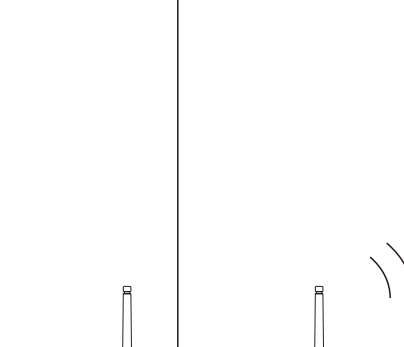
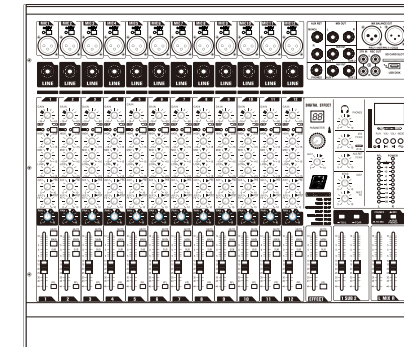
#### Bodypack Receiver



- ① Antenna.
- ② Power and Volume knob
- ③ Mic output jack.
- ④ Low power indicator.
- ⑤ The clip of the bodypack.
- ⑥ Select button: select channel of frequency
- ⑦ Display screen: display the channel of frequency
- ⑧ Receiving indicator :indicate the signal from the transmitter
- ⑨ Battery cover
- ⑩ Battery cage :2 AA 1.5V batteries

### OPERATION

#### Sound console/Amplifier



Receiver

Receiver

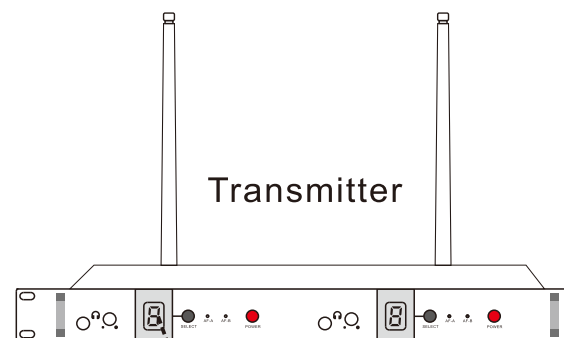
### SYSTEM SETUP

Note: transmitting devices such as cellular phones and two-way radios may interfere with wireless audio transmissions. Keep your transmitters and receivers away from these and other potential sources of interference.

#### Follow these steps when using a system

1. **Manually select a channel of the transmitter**  
turn on the transmitter  
press button to select a channel.  
**NOTE:** Channel A and Channel B can not with the same frequency
2. **Manually select the same channel as the transmitter for the receiver.**  
turn on a receiver  
press button to select the same channel as the transmitter.

follow these steps to set up the other transmitters and the other channel of receiver.



with same channel

### TECHNOLOGY SPECIFICATION

#### System Parameter:

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| work frequency:                  | 500-700MHz                                        |
| modulation mode:                 | broadband FM                                      |
| channels                         | 16                                                |
| channel frequency:               | 300KHz                                            |
| Frequency stability:             | ±0.005%                                           |
| dynamic bound:                   | 100dB                                             |
| max excursion:                   | ±45KHz                                            |
| frequency response:              | 60Hz-18KHz(3±dB)                                  |
| S/N                              | >105dB                                            |
| T.H.D                            | ≤0.5%                                             |
| operation distance:              | about 50m(under the situation of no interruption) |
| working environment temperature: | -10℃--+50℃                                        |

#### Receiving machine index:

|                                |                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| antenna:                       | hand microphone has on in built helix antenna transmitter 1/4 wave-lergh flagelliform antenna |
| sensitivitre:                  | 12dBuV (80dB S/N)                                                                             |
| sensitivitive adjustable rang: | 12-32dBuV                                                                                     |
| erratic control:               | ≥75dB                                                                                         |
| max output frequency           | +10 dBV                                                                                       |

#### Transmitter index:

|                  |              |
|------------------|--------------|
| antenna receive: | BNC/50 Ω     |
| erratic control: | -60dB        |
| power supply:    | DC12V/ 700mA |

**§ 15.19 Labelling requirements.**

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.

**§ 15.21 Information to user.**

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

**§ 15.105 Information to the user.**

**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.