

## Overview

### Product Features

- UHF Super high frequency band is adopted, which has less interference and more reliable transmission than the traditional VHF band;
- DPLL digital phase-locked loop multi-channel frequency synthesis technology provides up to 200 channel options within a 50 MHz frequency bandwidth with 250 kHz channel intervals, making it convenient for multiple machines to use simultaneously and easily avoiding various interferences;
- Advanced automatic frequency alignment technology, even if the frequency of the transmitter and receiver is scrambled, you only need to lightly press, and the transmitter will automatically track and adjust the receiver frequency to be consistent, making it easy to use;
- Specially designed high and low power switching function, allowing you to use smoothly not only in gatherings and other activity venues (high power transmission), but also in school classrooms and KTV private rooms (low power transmission), saving battery power;
- Unique transmitter and receiver setting locking function to prevent misoperation during use;
- Special reception sensitivity adjustment function, which can adjust sensitivity as needed to improve anti-interference ability or increase reception distance;
- High grade LCD display screen, making the working status of the receiver and transmitter clear at a glance;

### System parameter

#### System indicators:

Frequency range: 510-690MHz  
 Modulation method: broadband FM  
 Adjustable range: 50MHz  
 Number of channels: 250KHz  
 Frequency stability: within  $\pm 0.005\%$   
 Dynamic range: 100dB  
 Maximum frequency deviation:  $\pm 45\text{KHz}$   
 Audio response: 80Hz-18KHz  
 Comprehensive signal-to-noise ratio:  $>105\text{dB}$   
 Comprehensive distortion:  $\leq 0.5\%$   
 Working temperature:  $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$

#### Receiver specifications:

Receiver mode: dual tuning automatic signal selection (true diversity receiver)  
 Receiver method: secondary conversion superheterodyne (non diversity receiver)  
 Intermediate frequency: First intermediate frequency: 110MHz,  
 Second intermediate frequency: 10.7MHz

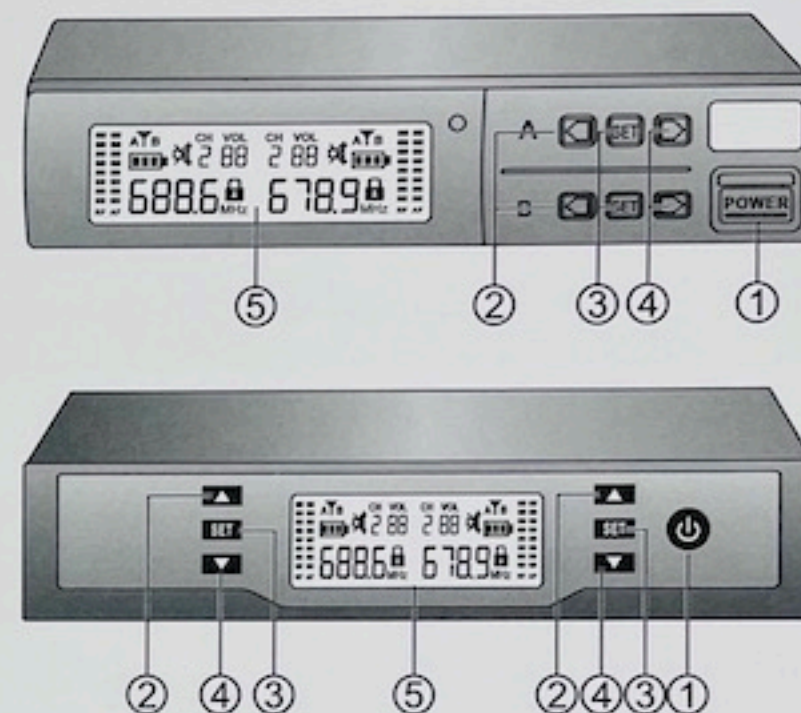
Wireless interface: BNC/50 $\Omega$   
 Sensitivity: 12dBV (80dBS/N)  
 Sensitivity adjustment range: 12-32dBV  
 Spurious suppression:  $\geq 75\text{dB}$   
 Maximum output level:  $\pm 10\text{dBV}$

#### Emitter indicators:

Antenna program: The bodypack transmitter adopts a 1/4 wavelength whip antenna, and the handheld microphone is equipped with a spiral antenna  
 Output power: High power 30mW; Low power 3mW  
 Spurious suppression: -60dB  
 Power supply: two AA battery  
 Usage time: more than 10 hours at 30mW and more than 15 hours at 3mW

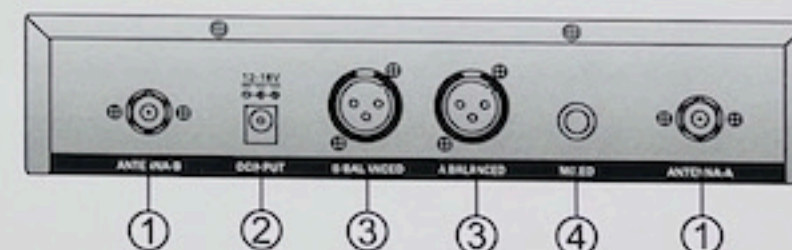
## Overview

### Receiver front panel



1. Power switch
2. Frequency volume increase button
3. Frequency setting key
4. Frequency volume down button
5. LCD display screen

### Receiver rear panel

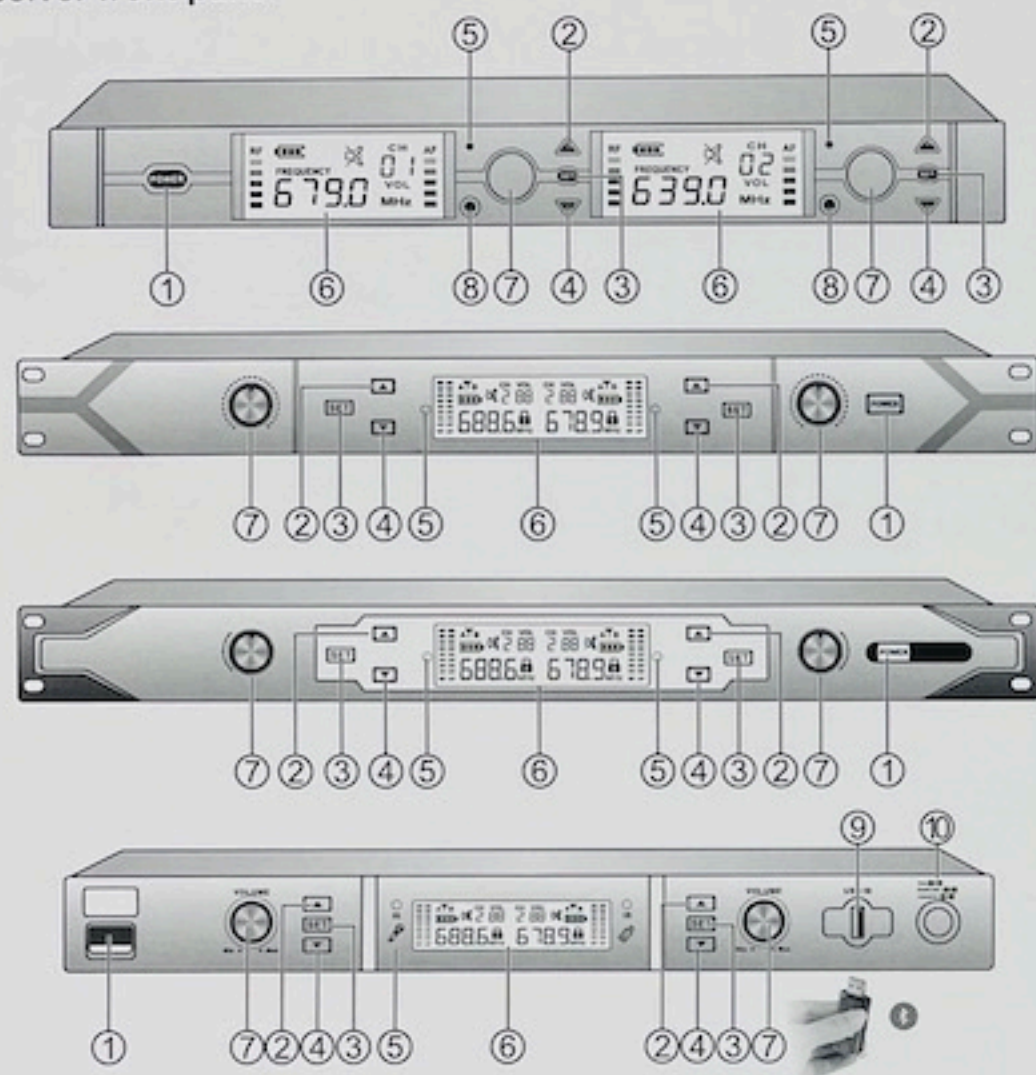


1. Antenna socket
2. Power socket
3. Balanced output jack
4. Audio output jack



## Overview

### Receiver front panel

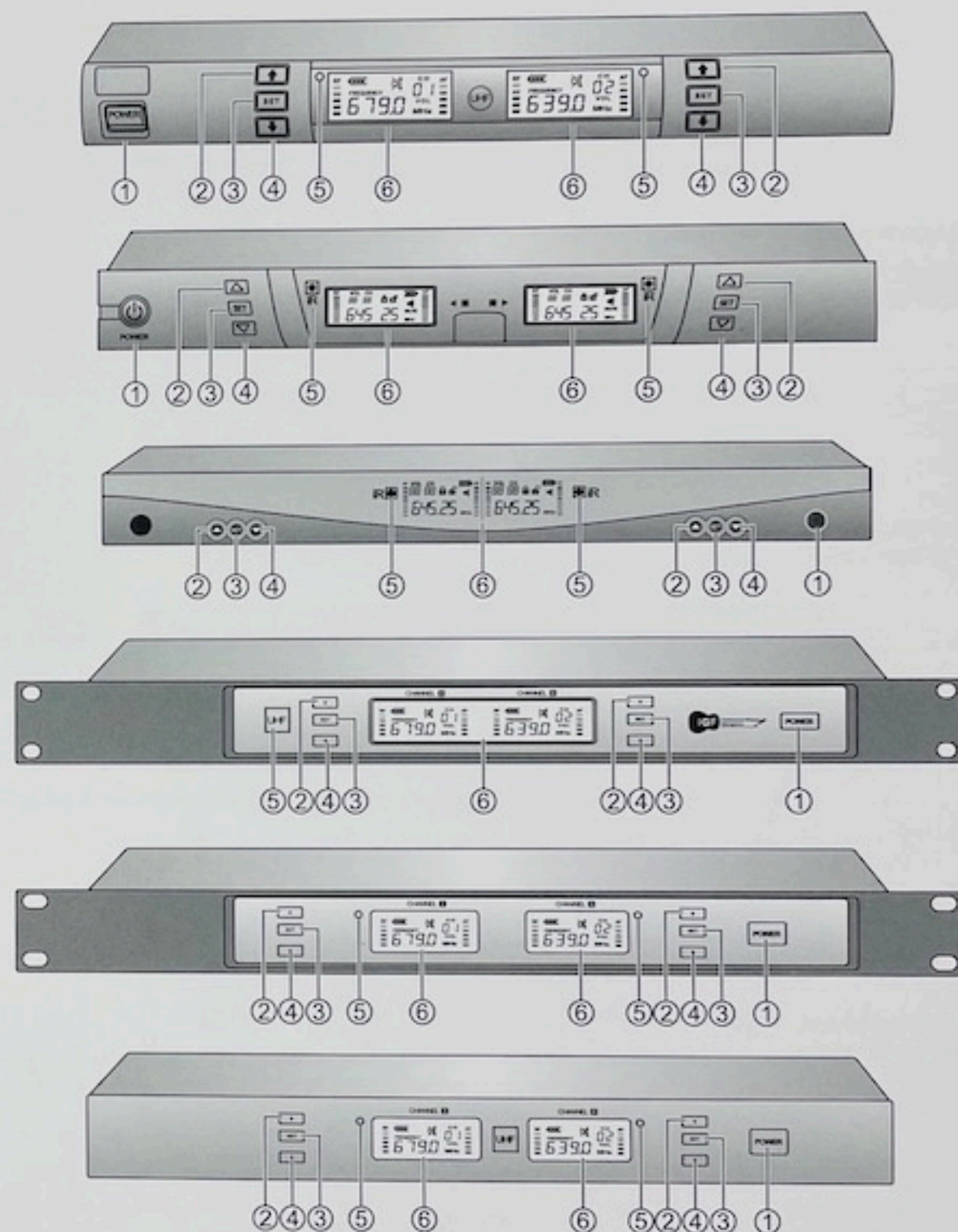


### Introduction to the functions of the receiver front panel

- |                                     |   |
|-------------------------------------|---|
| 1. Power switch                     | 6. LCD display screen                             |
| 2. Frequency and volume up button   | 7. Volume knob                                    |
| 3. Frequency setting key            | 8. One click frequency search/long press lock key |
| 4. Frequency and volume down button | 9. USB interface                                  |
| 5. Frequency light                  | 10. MP3 multifunctional buttons                   |

## Overview

### Receiver front panel



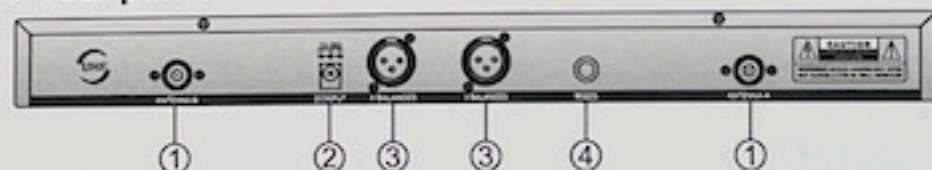
- 1. Power switch
- 2. Frequency and volume up button
- 3. Frequency setting key

- 4. Frequency and volume down button
- 5. Frequency light
- 6. LCD display screen



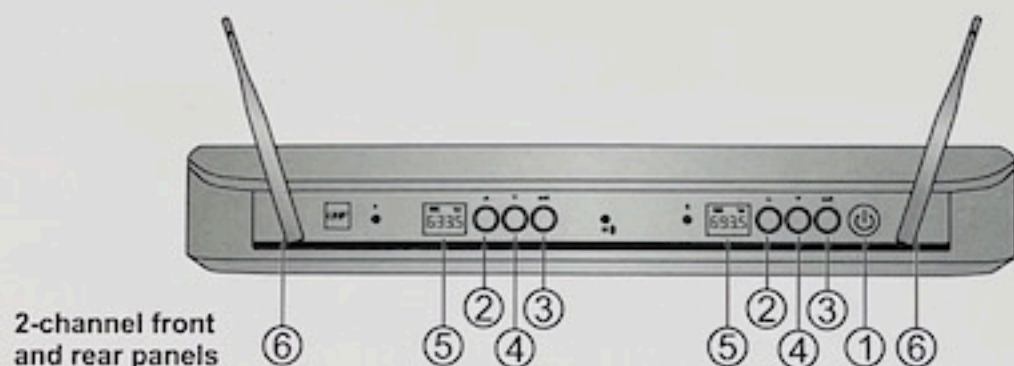
## Overview

### Receiver rear panel

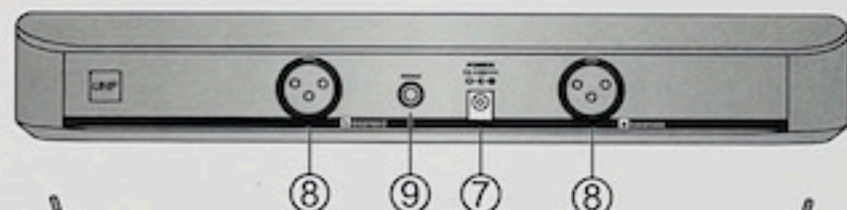


1. Antenna socket
2. Power socket
3. Balanced output jack
4. Audio output jack

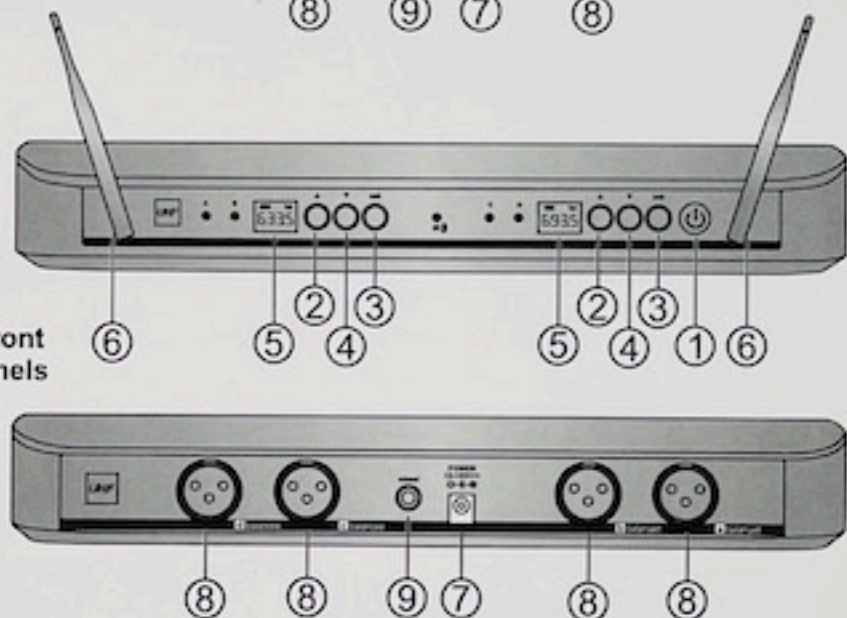
### Receiver front and rear panels



2-channel front and rear panels



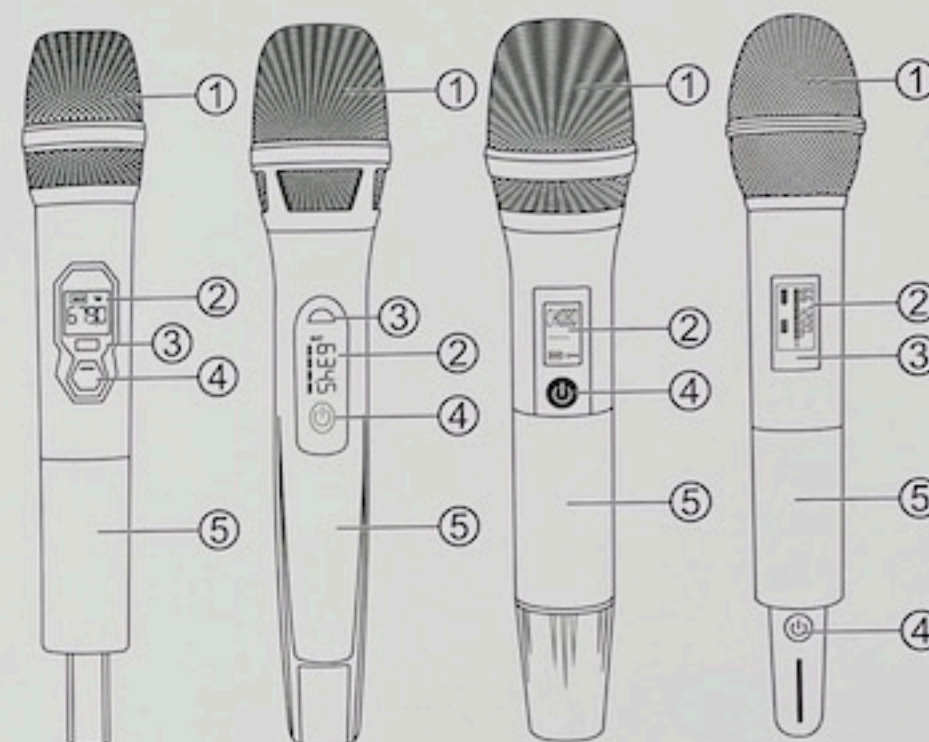
4-channel front and rear panels



1. Power switch
2. Frequency and volume up button
3. Frequency setting key
4. Frequency and volume down button
5. LCD display screen
6. Antenna socket
7. Power socket
8. Balanced output jack
9. Audio output jack

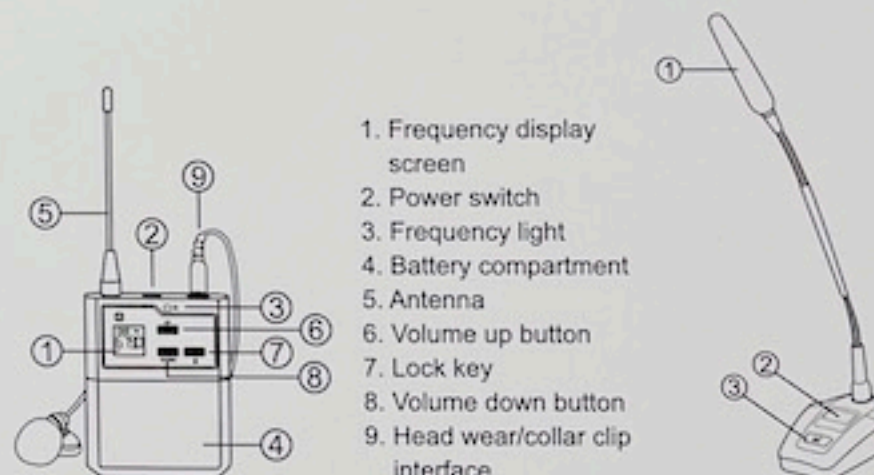
## Overview

### Handheld transmitter



1. Microphone pickup
2. Frequency display screen
3. Frequency window
4. Power switch
5. Battery compartment

### Waist mount/conference transmitter



1. Frequency display screen
2. Power switch
3. Frequency light
4. Battery compartment
5. Antenna
6. Volume up button
7. Lock key
8. Volume down button
9. Head wear/collar clip interface

1. Microphone pickup
2. Frequency display screen
3. Power switch