

1. A channel volume knob: it can adjust the input volume of A channel;

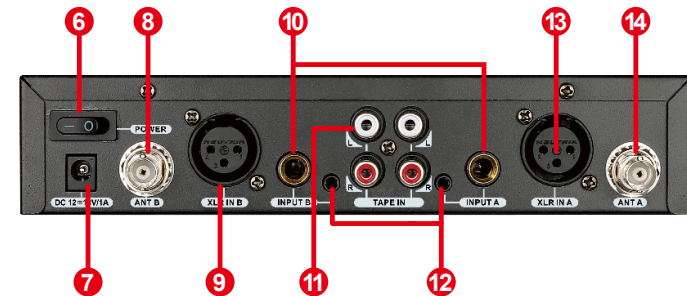
2. A/B channel adjustment button: long press the corresponding channel button to adjust the current transmission channel;

3. LCD display: display the current frequency, channel, volume, input mode, RF and AF dynamic level;

4. A/B channel frequency pairing button: short press to enter the current channel iRF frequency pairing, the corresponding button light is flashing during frequency pairing; long press to enter RF/OFF mode, at this time the key light is always on to indicate that RF/OFF is on, Long press to release the RF/OFF button and the light goes off;

5. B channel volume knob: can adjust the input volume of B channel;

6. Transmitter power switch: Toggle to control the device on and off;



7. DC power input socket. input DC12V~18V/1A adapter.

8. B antenna input. connect the BNC antenna of the corresponding frequency.

9. B-channel audio balanced input. connect to a balanced signal source, such as a large dynamic balanced signal level output by a mixer.

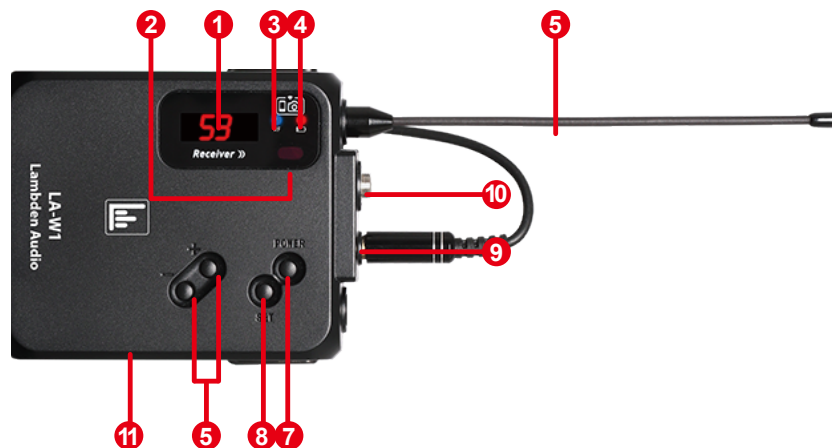
10. 6.3mm balanced input interface. connect unbalanced signal source.

11. RCA input interface. connect to RCA signal source.

12. 3.5mm input interface. connect to 3.5mm signal source, such as mobile phone, computer, etc.

13. A channel audio balance input. connect to a balanced signal source, such as a large dynamic balance signal level output by a mixer.

14. A antenna input. connect the BNC antenna of the corresponding frequency.



1. LED light. display the current channel or volume value.
2. Infrared frequency binding window. Synchronize with the transmitter iR channel your signal.
3. RF indicator light. When receiving RF signal, the light is always on.
4. Low battery power warning light. the receiving battery power is too low, and the light is always on.
5. Receiving antenna. Receive the radio wave signal emitted from the transmitter.
6. Volume adjustment button. long press +, - button to adjust the current volume.
7. Power switch. long press to turn on or off the device.
8. Channel adjustment button. long press to adjust the current channel.
9. Headphone interface. connect 3.5mm TRS 32 ohm headphones.
10. LINE output. Synchronously output the LINE audio signal of the earphone.

System Specifications:

RF carrier frequency range: 470MHz~960MHz.
 Frequency stability: 0.005%.
 Effective working distance (ideal environment): ≥ 120 meters.
 Audio compression and expansion: DSP digital audio compression and expansion; audio sampling rate: 48KHz.
 Audio frequency response: 50Hz~1800Hz ± 3 dB.
 Dynamic range: 92dB.
 Signal-to-noise ratio (A-weighted): 105 dB.
 THD: $\leq 0.8\%$ @ 1KHz.
 Working temperature range: $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$.

Receiver Specifications:

Receiving bandwidth: 470MHz~960MHz.
 Receiving mode: dual channel, superheterodyne.
 Image rejection: 45dBm.
 RF sensitivity: $S/N \geq 45$ dB when inputting 10dBu.
 Squelch adjustment: built-in setting parameters.
 Frequency synchronization method: manual button setting or infrared frequency pairing.
 Display mode: dual digit digital light plus LED combination display.
 Headphone output power: 80mW @ 16 Ω .
 Output level adjustment range: 5 levels adjustable, attenuation adjustment, every 3dB step.
 Power supply mode: AA 1.5V x 2 can also support external power supply.
 Normal working current: 3V 110mA.
 Battery life: ≥ 10 hours.
 Dimensions: length 63 mm x width x 77.5 mm x height 19.5 mm.
 Net weight (without battery): 66.8g.

Transmitter Specifications:

Carrier bandwidth: 470MHz~960MHz.
 Oscillation mode: PLL frequency synthesis.
 Transmission power: 20dBm/100mW.
 Carrier deviation: 0.005%.
 Harmonic radiation: -32dBm.
 Modulation method: FSK.
 Nominal/maximum frequency deviation: ± 65 KHz.
 Audio input interface: balanced XLR, $\Phi 6.35$ mm, $\Phi 3.5$ mm TRS, lotus seat.
 Input Impedance: 2.2K Ω .
 Net weight: 860g.
 Dimensions: length 210 mm x width 175 mm x height 43 mm.

The diagram illustrates the connection of various audio sources to a mixer and amplifier. At the top, a CD/Karaoke Player is shown with its output cables connected to the mixer's inputs. A Power Supply is connected to the mixer. A Phone is connected to the mixer's phone input. A Guitar is connected to the mixer's guitar input. The mixer's outputs are connected to the amplifier's inputs. The amplifier features various controls including gain, level, and effects.

The diagram illustrates the connection between a mixer and a portable recorder. A red cable is plugged into the 'LINE OUT 1' jack on the mixer. The other end of the red cable is plugged into the 'LINE IN' jack on the portable recorder. A black cable is plugged into the 'LINE IN' jack on the portable recorder. A pair of headphones is plugged into the 'HEADPHONE' jack on the portable recorder. The portable recorder is labeled 'LA-W1 Lomden Audio'.

A diagram showing the connection of a line audio cable to a vacuum tube socket. The cable has a 3.5mm TRS connector on the left and a 1/4" TS connector on the right. The 3.5mm connector's pins are numbered 1, 2, and 3. Pin 1 (orange) is connected to the cathode of the tube. Pin 2 (red) is connected to the anode of the tube. Pin 3 (black) is connected to the shield of the 1/4" TS connector. The 1/4" TS connector's tip is connected to the anode of the tube, and its sleeve is connected to the shield of the 3.5mm connector.