

Multi channel wireless microphone system

User Instructions

Please read this manual carefully before use
Please keep it for future use

UHF Wireless system

Please read this manual carefully before using it to understand the correct operation method and get the best effect.

Product introduction

UHF Wireless system features

Capacious UHF frequency transmission

The system adopts UHF (ultra-high frequency) band transmission. The frequency distribution is divided into three regions: 610-670mhz in area A. B area 711-771 MHz; C area 740-790mhz, which can be set according to the actual use of the country Calculate the distribution frequency to suit each country and the region to use.

Microcomputer CPU control

The hardware circuit of the whole system is controlled by microcomputer CPU, which can select and display frequency data Processing and automatic channel tracking and other functions, to achieve the traditional model is not easy to achieve a variety of functions.

Wide and clear LCD display

High performance, wide and clear dual LCD display is adopted, all operations can be displayed on the LCD screen, which is convenient for users to understand the working state of the system and set the system. The display contents include: RF signal, audio signal strength, channel and frequency, working status, etc.

Anti-jamming multi-channel design

The system uses a variety of anti-interference technology. When leaving the factory, the system has preset a number of non-interference frequency points. Reasonable design is convenient for users to use multiple systems at the same time.

Sensitivity adjustment / noise detection noise rejection function

The system is equipped with a sensitivity adjusting potentiometer and noise detection technology to resist noise, which can easily adjust the receiving sensitivity and effectively reduce the noise caused by environmental factors.

Battery status indication / low battery warning function

The battery power of hand-held transmitter and waist pack transmitter can be displayed on their respective LCD screen in real time, and a warning prompt will be issued when the battery power is low to remind users to replace the battery in time to ensure the normal operation of the system.

Audio output

The audio output has XLR balanced socket output and 6.3 unbalanced socket output, which is convenient for users to connect to different external devices.

Advanced technology and Science

The system adopts high quality SMT components and reliable SMT production, which makes the performance more stable and reliable. The use of 1U metal chassis, aluminum metal panel, strong and beautiful and isolation of harmonic radiation professional quality.

Receiver

Spurious suppression: $\geq 50\text{dB}$

Image suppression: $\geq 50\text{dB}$

Sensitivity: 5dBu

Audio output level: XLR output jack: $250\text{mV} / 600\Omega$
unbalanced output jack: $400\text{mV} / 3\text{K}\Omega$

Working voltage: DC 12V

Working current: $\leq 350\text{mA}$

Chassis size: $420\text{ (W)} \times 175\text{ (d)} \times 44\text{ (H)}\text{ mm}$

technical parameter

Comprehensive characteristics

Bandwidth: 60MHz

Maximum frequency offset: $\pm 45\text{KHz}$

Signal to noise ratio (S/N) : $> 50\text{dB}$

Distortion degree (1kHz): $< 5\%$

Operating temperature: $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Working distance: 100m (in ideal environment)

Power consumed: 8W

Static power: 3W

transmitter

Oscillation mode: PLL (digital frequency synthesizer)

Emission frequency stability: $< 30\text{ppm}$

Dynamic range: $\geq 50\text{dB (a)}$

Maximum input sound pressure: 130dB SPL

Radial pickup: moving coil type

Power supply: 2 AA alkaline batteries

Replace the battery

- The expected service life of two alkaline batteries is about 8 hours.
- When the transmitter indicator red pulse, should immediately replace the battery

One drag two system components

- Receiver (1)
- Rack mount components (2)
- Audio signal cable (1)
- 1.5V AA battery (4)
- Power module (1)
- Antenna (2)
- An instruction manual (1)

The handheld system includes:

- Handheld transmitter (2)

The Lavalier microphone system includes:

- Bodypack transmitter (2)

One drag four system components

- Receiver (1)
- Rack mount components (2)
- Audio signal cable (1)
- 1.5V AA battery (8)
- Power module (1)
- Antenna (4)
- An instruction manual (1)

The handheld system includes:

- Handheld transmitter (4)

The Lavalier microphone system includes:

- Bodypack transmitter (4)

One drag eight system components

- Receiver (1)
- Rack mount components (2)
- Audio signal cable (1)
- 1.5V AA battery (16)
- Power module (1)
- Antenna (8)
- An instruction manual (1)

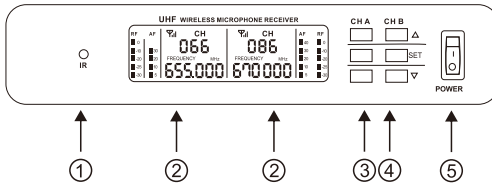
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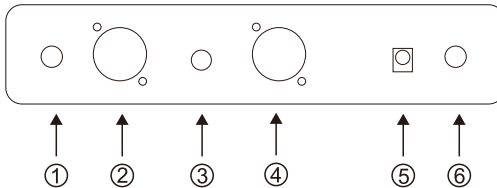
Receiver (one for two)



Front panel

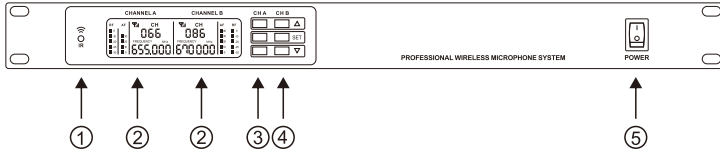
- ① Infrared (IR) port: with the synchronization button, play infrared signal to the transmitter, so that the receiver and transmitter frequency synchronization.
- ② LCD panel: display the current working state of the system.
- ③ Menu button (

Back panel



- 1 antenna jack B (ANTENNA-B)
- 2 balanced output socket (MIXA-B)
- 3 6.3mm unbalanced output socket
- 4 balanced output socket (MIXA-A)
- 5 AC power adapter socket (DC INPUT)
- 6 antenna jack a (ANTENNA-A)

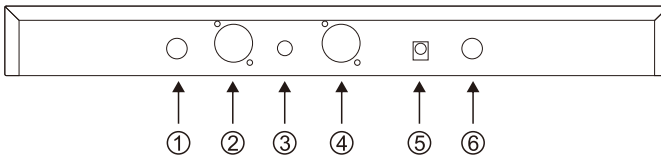
Receiver (one for two)



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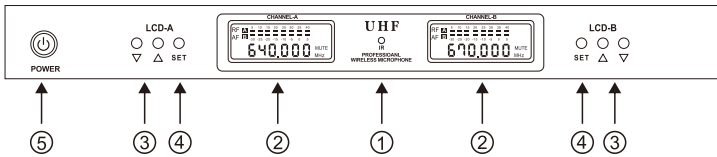
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- ② LCD panel: display the current working state of the system.
- ③ Menu button (▲): press to scroll to select menu options, and the selected menu options will flash.
- ④ Confirm button (set): press to confirm and adjust the currently selected menu option.
- ⑤ Power switch: press the power switch. When the power is on, the LCD will be on. Press the power switch again for 2 seconds, and the receiver will be off.

Back panel



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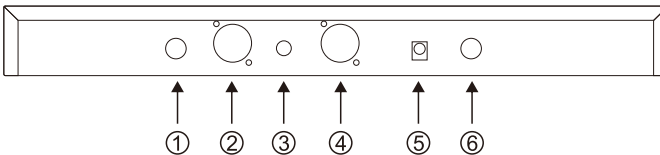
Receiver (one for two)



Front panel

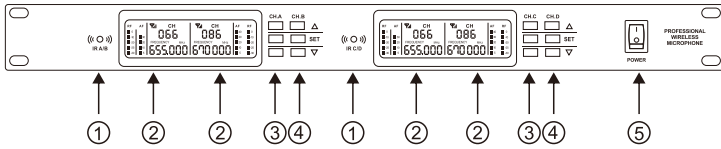
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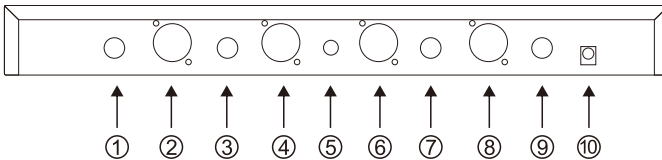
Receiver (one for four)



Front panel

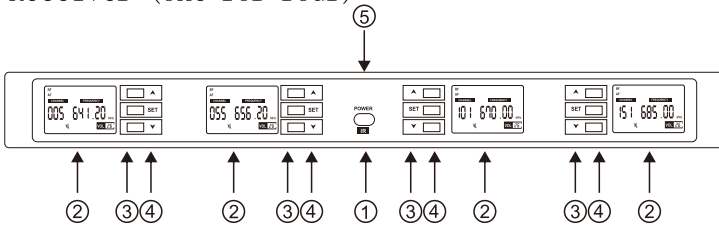
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Back panel



- | | |
|------------------------------------|--|
| 1. antenna jack D (ANTENNA-D) | 7. antenna jack B (ANTENNA-B) |
| 2. balanced output socket (MIXA-D) | 8. balanced output socket (MIXA-A) |
| 3. antenna jack C (ANTENNA-C) | 9. antenna jack A (ANTENNA-A) |
| 4. balanced output socket (MIXA-C) | 10. AC power adapter socket (DC INPUT) |
| 5. 6.3mm unbalanced output socket | |
| 6. balanced output socket (MIXA-B) | |

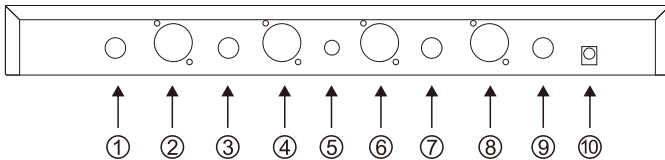
Receiver (one for four)



Front panel

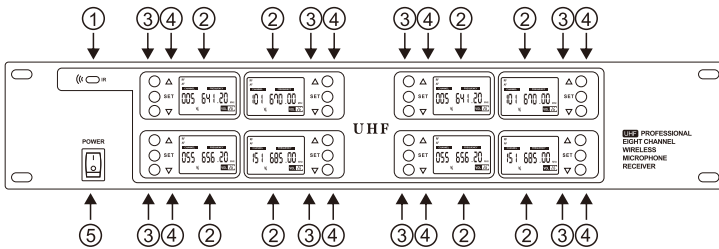
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4. balanced output socket (MIXA-C)
5. 6.3mm unbalanced output socket
6. balanced output socket (MIXA-B)
7. antenna jack B (ANTENNA-B)
8. balanced output socket (MIXA-A)
9. antenna jack A (ANTENNA-A)
10. AC power adapter socket (DC INPUT)

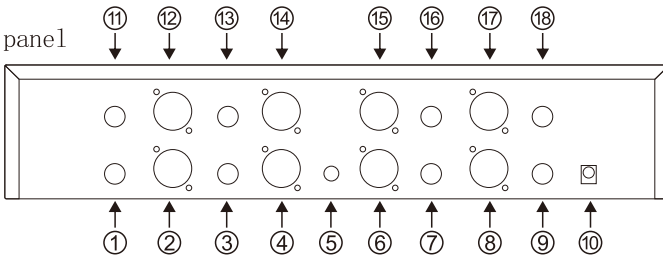
Receiver (one for eight)



Front panel

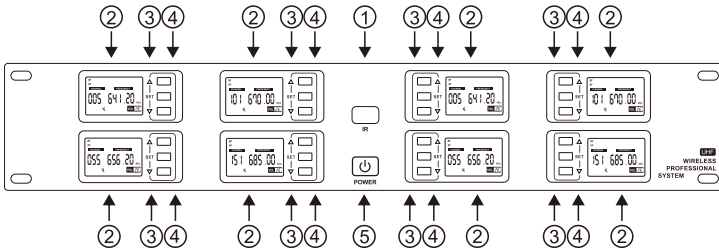
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Back panel



- | | |
|------------------------------------|--|
| 1. antenna jack 8 (ANTENNA-8) | 10. AC power adapter socket (DC INPUT) |
| 2. balanced output socket (MIXA-8) | 11. antenna jack 4 (ANTENNA-4) |
| 3. antenna jack 7 (ANTENNA-7) | 12. balanced output socket (MIXA-4) |
| 4. balanced output socket (MIXA-7) | 13. antenna jack 3 (ANTENNA-3) |
| 5. 6.3mm unbalanced output socket | 14. balanced output socket (MIXA-3) |
| 6. balanced output socket (MIXA-6) | 15. balanced output socket (MIXA-2) |
| 7. antenna jack 6 (ANTENNA-6) | 16. antenna jack 2 (ANTENNA-2) |
| 8. balanced output socket (MIXA-5) | 17. balanced output socket (MIXA-1) |
| 9. antenna jack 5 (ANTENNA-5) | 18. antenna jack 1 (ANTENNA-1) |

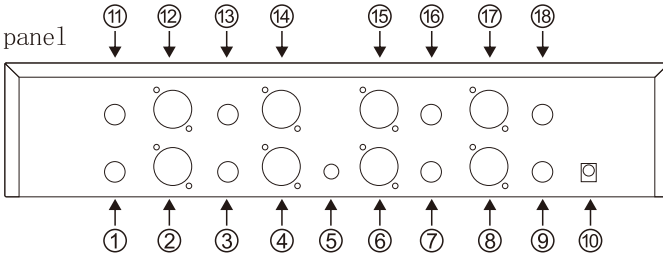
Receiver (one for eight)



Front panel

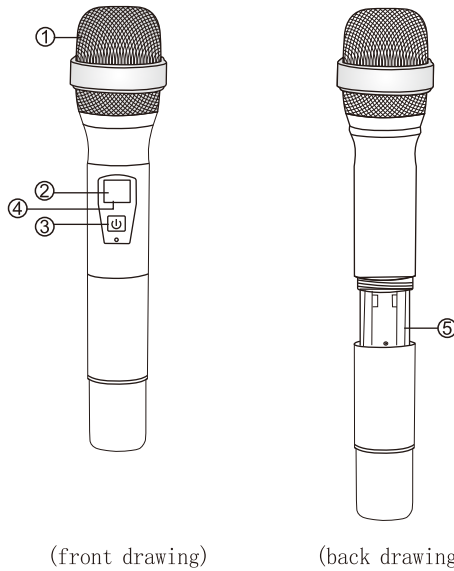
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Back panel



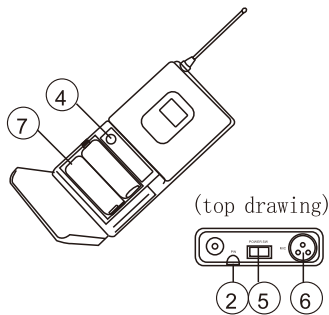
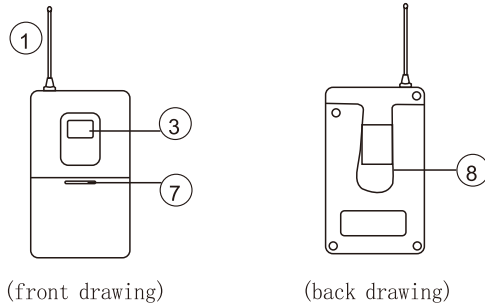
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Handheld transmitter



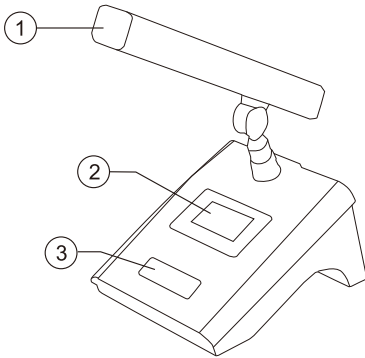
- ① Microphone head: including mesh head and sound head module.
- ② LCD: display the working channel, battery power, infrared frequency operation, etc.
- ③ Power switch: long press for 5 seconds to turn on / off.
- ④ Infrared receiving window, used to change the transmitter frequency.
- ⑤ Battery compartment: install 2 AA alkaline batteries.

Bodypack transmitter

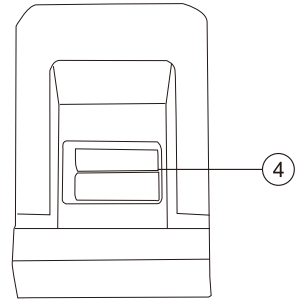


- ① Antenna
- ② Power / indicator
 - Continuous red envelope: power on
 - Red packet pulse: the battery is exhausted (the transmitter can work normally only after the battery is replaced)
- ③ LCD screen
- ④ Infrared port: receive infrared beam to synchronize frequency.
When using, only one hair should be exposed at a time Infrared port of Launcher
- ⑤ Power switch: on / power on; off / power off
- ⑥ 3-pin microphone input socket
- ⑦ Battery compartment

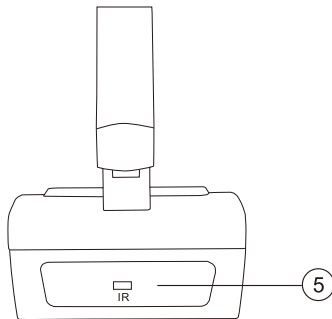
Conference transmitter



(front drawing)

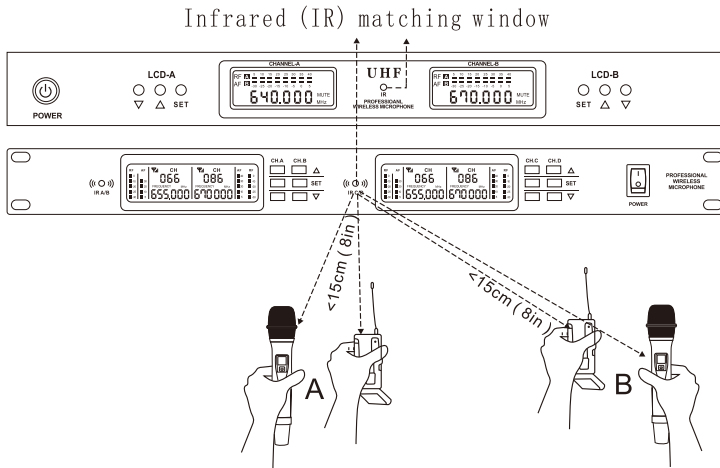


(bottom drawing)



(back drawing)

- ① High sensitive microphone
- ② LCD screen
- ③ Power switch: on / power on; off / power off
- ④ Battery compartment
- ⑤ Infrared frequency synchronization

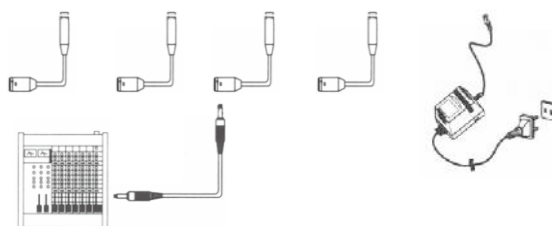
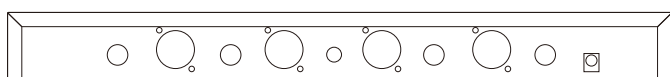
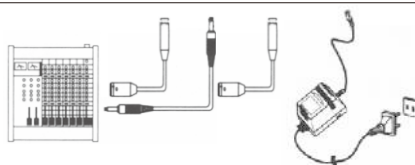
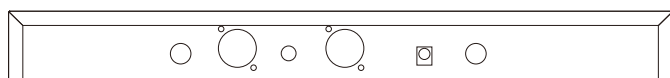


System settings

- Power on the transmitter and receiver.
- Align the transmitter switch with the infrared (IR) window of the receiver, and press the up key ▲ of channel a of the receiver. And scroll down key ▼ to select an idle channel, press the confirm key set, and lock within 5 seconds.
- Align the transmitter switch with the infrared (IR) window of the receiver, and press the up key ▲ of channel B of the receiver. And scroll down key ▼ to select an idle channel, press the confirm key set, and lock within 5 seconds.

Tips for improving system performance

- The transmitter and antenna shall be kept in a straight line relative position without obstacles.
- Do not place the receiver close to the metal surface or any digital equipment (such as CD player, computer, etc.).
- The receiver should be placed 1m above the ground and not close to the wall as far as possible.
- The transmitter and receiver should be kept away from these devices and other potential interference sources.



- If the matching is different, please connect and use it correctly according to the equipment in use

Thank you for your support and trust. You will feel free to use this wireless microphone. In order to maximize the efficiency of the machine, please read this manual carefully and keep it properly for reference when necessary.

1、 Special precautions for use

- ★ In case of other local frequency interference, another channel can be selected to avoid it.
- ★ To reset or change the working frequency of the receiver, the amplifier must be turned down to avoid damage to the amplifier equipment.

2、 Special precautions for use

1. The dead angle should be avoided when the host is used to keep the signal receiving in good condition.
2. Do not throw, drop, throw or throw the hand-held microphone to avoid serious damage.
3. The machine body is not waterproof, the equipment should not be subject to water drops or splashes, and a vase should not be placed A liquid filled object.
4. Keep away from electromagnetic field, high voltage power transmission network and large metal objects as far as possible.
5. Please don't dismantle it by yourself. It may hurt your body.
6. When replacing the microphone battery, first turn off the power and discard the battery Don't litter, please put it into the designated recycling box.
7. If the microphone is not used for a long time, please take out the battery to prevent the battery from leaking and damaging the parts.
8. If the receiver is not used for a long time, please unplug the power.
9. For adequate ventilation, the clearance around the equipment shall not be less than 50 cm.
10. Ventilation holes on the equipment should not be covered with articles such as newspapers, tablecloths, curtains, etc Ventilation.
11. Exposed flame sources, such as lighted candles, shall not be placed on the equipment.
12. If the machine falls down or foreign matters enter the machine, please do not continue to use it. Please contact the operator immediately Contact local distributor or recognized service center.
13. This machine does not contain parts that can be modified. Please do not disassemble and modify it by yourself, or you will lose your life Warranty rights.
14. This product can be used in tropical and temperate conditions.

Clean the machine

Before repairing or cleaning the machine, be sure to disconnect the power supply first. The machine can be cleaned with a soft cloth. If you want to wipe away stubborn stains, you can use a cloth stained with neutral detergent, and then dry it with a dry cloth. Do not use volatile gasoline, diluent or any chemicals on the fuselage, otherwise the surface processing layer will be damaged.



The pictures and parameters may be different from the real object, which shall be subject to the real object, and are subject to change without prior notice.

FCC Statement

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.

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

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.