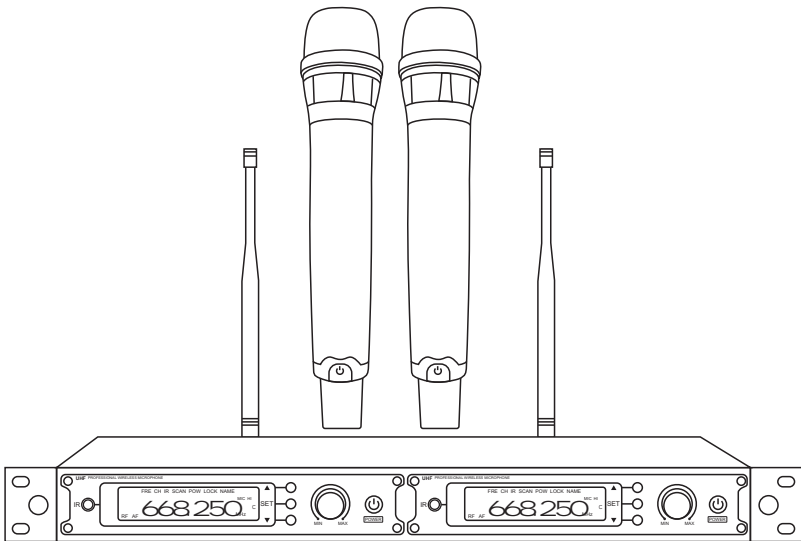


TRUE DIVERSITY WIRELESS MICROPHONE

USER'S MANUAL



NOTE: To ensure this component will work safely and to its fullest potential, please read this user ' s manual carefully before operation and keep for future reference

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Comprehensive Performance Introduction

PLL combined technology, UHF operating band, high-quality pure diversity reception technology, applicable to large-scale professional stage concert.

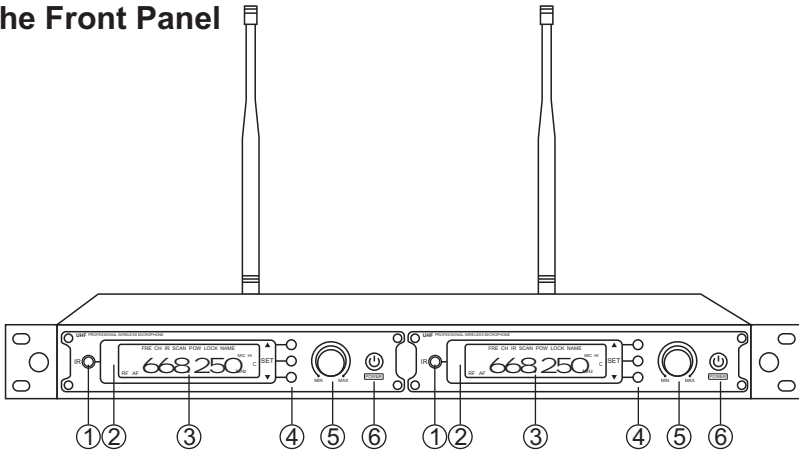
Enhanced the frequency of sub-systems, tone code squelch, automatic frequency scanning, the applicability of strong.

More extended audio frequency range, the greater the sensitivity range of audio.

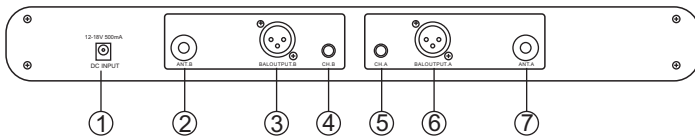
Receiver Control Functions

- 1. IR button:** Touch the infrared synchronization.
- 2. Infrared Data Transmission Window:** Infrared frequency window will send the frequency of the receiver and the information of the transmitter to make the transmitting and receiving information synchronization.
- 3. LCD Screen:** LCD screen shows the channel frequency and a variety of status information.
- 4. UP/SET/DOWN button:** three buttons can be used for system configuration and operating frequency selection.
- 5. Volume knob:** Rotate left and right to adjust the volume.
- 6. Power Switch:** Press the switch for three seconds to connect the circuit, and then press three seconds to turn off the power.

The Front Panel

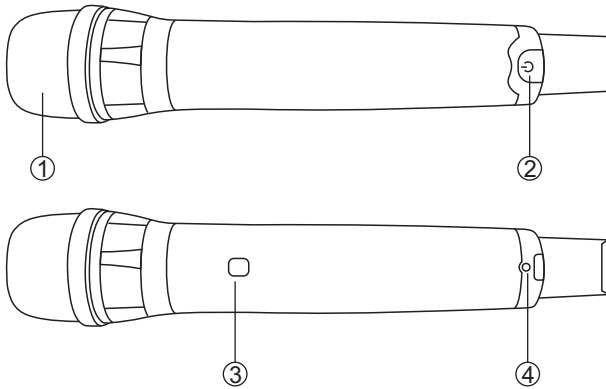


The Rear Panel



- 1. DC Power Input Socket:** 12-18V 500Ma
- 2. Antenna B Interface:** Connect the antenna
- 3. Balanced Output B:** the XLR-3 jack can be connected to the balanced shielded cable with a standard balanced shielded mic inputs of the mixer.
- 4. Un-balanced Output Socket B:** You can use the un-balanced audio cable to connect to the mixer
- 5. Un-balanced Output Socket A:** You can use the un-balanced audio cable to connect to the mixer
- 6. Balanced Output A:** the XLR-3 jack can be connected to the balanced shielded cable with a standard balanced shielded mic inputs of the mixer.
- 7. Antenna A Interface :** Connect the antenna

Transmitter Control and Function

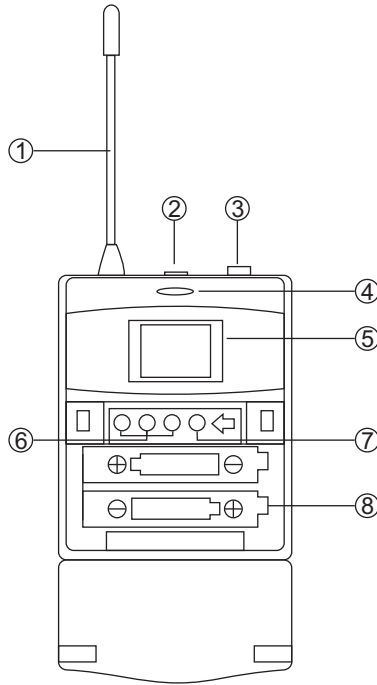


- ① Mic Head
- ② Power / Mute key
- ③ Infrared Frequency Window
- ④ USB Charging Cable Connector

1. **Mic Head:** Microphone core module is the sound into the audio signal of the main components.
2. **A: Power Switch:** Press the power for 2-3 seconds. The light is green this time. Long press 2-3 seconds to cut the power again.
B. Mute Switch: when the handheld microphone is turned on, touch the power switch, it's mute state. The light is yellow. Touch again to cancel mute, the light is green again.
3. **Charging Display:** Connect the USB charging cable at shutdown state. The red light is flashing. Full red color.
4. **Low Battery Indicator:** Red light is flashing when low power. Recharge or replace the battery as soon as possible.
3. **Infrared Data Receive Window:** Receive receiver data transmitted signal.
4. **USB Charging Cable Interface:** Connect the hole of the USB charging wire.

NOTE: Make sure the rechargeable battery in the battery compartment before connecting the USB charging cable.

Transmitter Control and Function

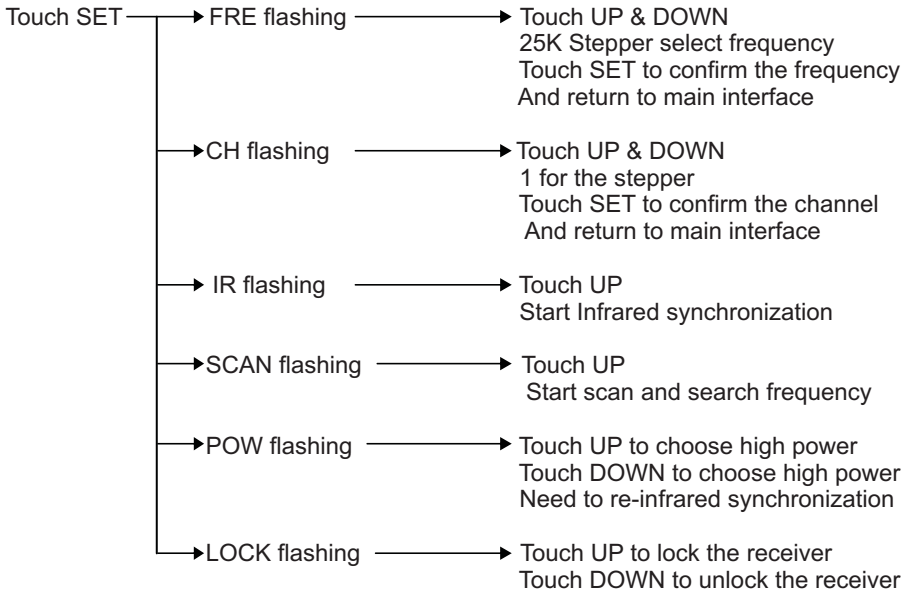


1. Antenna
2. Power Switch: Press the button for 2-3 seconds to turn on, the LED lights. Press again for 2-3 seconds to turn off.
3. Audio Input Interface.
4. LED Indicator: Light when turn on. Flashes when low power.
5. LCD Display: Display frequency information.
6. Adjustment Button Set: Set button is in the middle. Touch it to enter and adjust the volume menu. Touch the left and right buttons to adjust.
7. Infrared Data Receive Window: Receive receiver data transmitted signal.
8. Battery Store.

Receiver

1. The LCD displays properly after pressing the POWER button for 2-3 seconds. If the display RF display more than two frames and did not open the handheld microphone, it has external frequency interference. Please change the operating frequency.
2. Manually set up or automatically scan search method can be used to change the frequency.
 - A:** Manual settings: Touch SET to enter the FRE menu settings (FRE label flashing). Touch UP & DOWN to adjust the frequency. Touch SET again to confirm the frequency. The LCD returns to the initial display when it completes.
 - B:** Automatically Scan Search: Touch SET to enter the SCAN menu settings (SCAN label flashing). Touch UP, frequency start scanning. After the scanning, the frequency will be locked in a noninterference with a clean operating frequency. LCD returns to the initial display when it completes.
3. Manually set up to change the channel
 - Touch SET to enter the CH menu settings (CH label flashing). Touch UP & DOWN to adjust the channels. Touch SET again to confirm the channel selection. The LCD returns to the initial display when it completes. (This channel is a preset frequency, can be used with together .)
4. Manually set up to change the microphone transmit power.
 - Touch SET to enter the POW menu settings (POW label flashing). Touch UP & DOWN, the HIGH or LOW flashing. Touch UP & DOWN to adjust the transmit power. HIGH is high power and LOW is low power. Touch SET again to confirm the transmit power selection. The LCD returns to the initial display when it completes. Then IR synchronous operation will send the updated data of the receiver to the transmit microphone when it completes.
5. Lock the Receiver
 - Touch SET to enter the LOCK menu settings (LOCK label flashing). Touch UP & DOWN, the LOC OFF or LOCK ON flashing. Touch UP & DOWN to choose LOCK OFF or LOCK ON. Touch SET again to confirm it. The LCD returns to the initial display when it completes. Touch UP & DOWN or long press POWER to display the LOC ON when in lock key state. Please touch SET to enter the LOCK menu to unlock before you adjust the settings or turn off the receiver.
6. Use the menu or shortcut infrared synchronization.
 - A:** Menu: Touch SET to enter the IR menu settings (IR label flashing). Touch UP to start infrared synchronization. Aim the infrared data transmission window to the infrared receiver window to display IR OK for 1 second . The LCD returns to the initial display when synchronization completes.
 - B:** Shortcut: Touch IR button.

Operating Function Chart



Touch IR → Start Infrared synchronization

Touch UP & DOWN to adjust the frequency or channel at the main interface.

Handheld Microphone

1. Turn on the transmitter microphone :The LED light will be green when press the power switch for 3 seconds.
2. Frequency setting: Aim the infrared data transmission window to the infrared receiver window and use the menu or shortcut operating the receiver. The transmitter microphone will receive the data from the receiver.
3. Touch the power switch when the transmitter microphone is on. The yellow light stands for mute. The green light stands for non-mute.
4. Pls replace the battery or charge with the USB wire asap when the red light on the transmitter microphone is flashing.
5. The red light flashing stands for charging when the transmitter microphone connect with the USB at off state. It keeps on red stands for full with power.

Body-pack

1. Turn on the transmitter body-pack :The LED light will be on when press the power switch for 3 seconds.
2. Frequency setting: Open the battery cover of the body-pack. Aim the infrared data transmission window to the infrared receiver window and use the menu or shortcut operating the receiver. The transmitter microphone will receive the data from the receiver.
3. Touch the power switch when the transmitter body-pack is on. The yellow light stands for mute. The green light stands for non-mute.
4. Pls replace the battery when the red light on the transmitter body-pack is flashing.

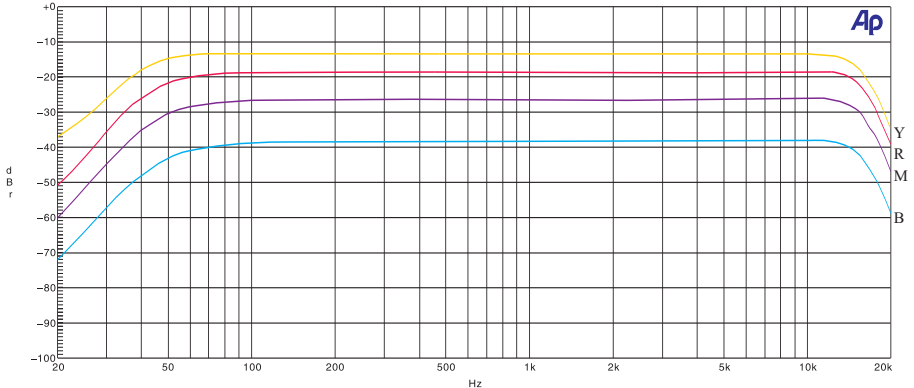
Parameter

Frequency Responses:

Audio Precision

FREQUENCY RESPONSE

08/12/10 13:41:19



Sweep	Trace	Color	Line Style	Trace	Data	Axis	Comment
1	1	Yellow	Yellow	1	Anlr.Ampl (2-Ch.)	Left	300mV输入电平
2	1	Red	Red	1	Anlr.Ampl (2-Ch.)	Left	50mV输入电平
3	1	Mageta	Magenta	1	Anlr.Ampl (2-Ch.)	Left	20mV输入电平
4	1	Blue	Blue	1	Anlr.Ampl (2-Ch.)	Left	5mV输入电平

Frequency Response from 20k to 20 Hz. F4 first to set 0 dB at 1KHz, The 2 Ch Ampl Function Reading meter Bw IS set to <10 Hz & >500kHz so the bandwidth is the same as the level meter.Optimize for detail.
 测试条件： 麦克风输入1K50mV 电平时调制度29K; 接收机输出电平100mV
 蓝色的频率响应线， 麦克风输入5mV电平
 紫色的频率响应线， 麦克风输入20mV电平
 红色的频率响应线， 麦克风输入50mV电平
 黄色的频率响应线， 麦克风输入300mV电平

A-A FREQ RESP.at1

RECEIVER

- ✘ Carrier Wave Frequency Range: UHF 600-870MHz
- ✘ Oscillation Mode: Phase-locked Loop Controlled
- ✘ Receive Mode: True Diversity Receive
- ✘ Switching Bandwidth: 24MHz
- ✘ Sensitivity: in the bias degree is equal to 20KHz, Input 4dB uV S/N > 60dB
- ✘ S/N Ratio: >105 dB
- ✘ T.H.D.: <0.5% @1 KHz
- ✘ Frequency Responses: 50Hz ~ 18KHz ± 1 dB

TRANSMITTER(HANDHELD MICROPHONE / BODY-PACK)

- ✘ Transmitter Power: 30mW
- ✘ Spurious Emission: <40dB (the Main Wave)
- ✘ Battery: AA X 2
- ✘ Current Drain: High power <120 mA

Installation and Connection of the Receiver

Installation:

1. In order to achieve the best receiver to run, the receiver should be placed in a flat bottom surface or install a 19" bracket. The receiver from the ground is higher than 1 meter away from walls and other surfaces more than 1 meters.
2. Keep the receiver antenna away from noise sources, such as computer equipment, digital equipment, television sets.
3. Two antennas were mounted on the rear panel to connect the seat and the antenna and the plane into a 45 degree angle position.
4. Between the receiver and the transmitter should minimize obstructions to the line of sight up the best.

Connection:

1. Connect the power supply to the power input jack of the receiver. The power adapter input voltage must be consistent with the local power specifications.
2. There are XLR balanced output and the 6.3MM unbalanced output sockets on the rear panel of the receiver. Connect them if needed.



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