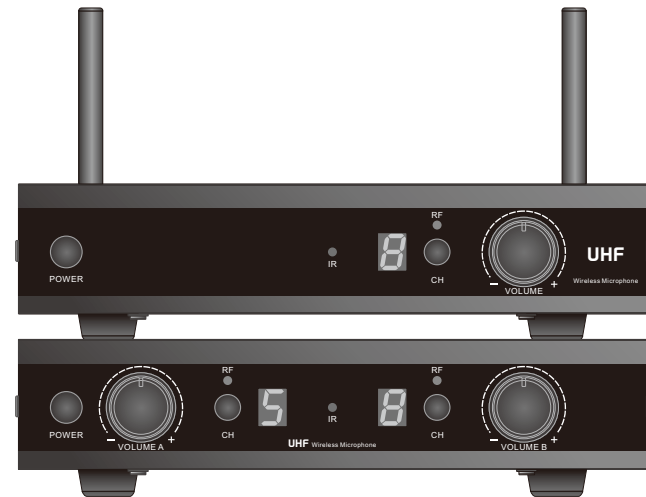


PROFESSIONAL

Professional Wireless Microphone System



User Manual

CATALOGUE

| | |
|--|---|
| Preface..... | 2 |
| Main function..... | 3 |
| Receiver diagram..... | 4 |
| Operation Instructions..... | 5 |
| Handheld/Beltpack transmitter diagram..... | 6 |
| Operation of the receiver | 7 |
| Operation of the microphone..... | 7 |
| Repair with simple fault..... | 8 |
| Technical Specification..... | 9 |

TECHNICAL SPECIFICATION

Receiver

Frequency Range.....500 - 980 MHz
Audio Output.....Unbalanced Max output +5 dBu
Power Supply.....12-18 V DC
Power Consumed.....150 mA @13.5V DC
Receive Sensitivity.....<-90 dBm

Handheld Transmitter

Frequency Range.....500 - 980 MHz
RF Power.....10 mW
Battery.....2 x AA size battery (1,5V)
Frequency Response.....50 - 20,000 Hz
Input Sensitivity.....2.1 mV/Pa
Power Consumed.....100mA @3V

System

T.H.D. (Overall).....< 0.1 %
Signal to Noise = 96 dB (A)
RF frequency range.....500 - 980 MHz
Modulation.....DQPSK
Bandwidth.....300kHz
Dynamic Range.....>90 dB (A)
Audio sampling.....24 bit/48 kHz
Transmission system.....PLL synthesizes
Audio Delay.....3 ms
Audio Encoder.....PT Live
Frequency Response.....20 - 20,000 Hz
Working Distance.....200 Feet

PREFACE

Thanks for purchasing this product. Please read this instruction carefully before using the system so that you can make sure in detail by the numbers how to install, operate and safeguard the system.

Our special wireless microphone system has characteristics as the following. For many reasons, such as low frequency, traditional wireless microphone system are easy to be interfered, especially because many machines, CD,VCD and LD, eradiate out too many harmonic. To solve this problem. We design this kind diversity professional wireless microphone. We adopt a series of measures to improve its functions, advance frequency, using multilevel high frequency and mid frequency narrowband filter, mulriplen noise detect and control. We also design it special functions(tone keylicked identity) to avoid interference from outside.

MAIN FUNCTION

- * Using UHF500-980 MHz band to avert interfering frequency.
- * Using multilevel high frequency and mid frequency narrowband filter, so as to dispel any possible interfering signals.
- * There is a volt indicating circuit in the microphone. It can tell you if it is necessary to change the battery.
- * With audio compressing-expanding technology, the machine can lower noises and increase the dynamic range. It can also lower reecho.
- * The receiver use multilevel high frequency enlarger, so it has high sensitivity.
- * It has channel separate outputting and mix outputting, and it can be connected with the sound-adjusting stage and karaoke enlarger.
- * Special tonic key locked identity functions to avoid interfering signal from outside open the mute system.
- * There are multilevel noise detect circuit, So it has strong antijam ability.
- * Choose excellent chipset and high quality component, so that its timbre will be very good.
- * Longest distance in open:60m.
- * Frequency response tailored for vocals, with brightened midrange and bass roll off.
- * Uniform cardioid pickup pattern isolates the main sound source and minimizes background noise.
- * Pneumatic shock-mount system cuts down handling noise.
- * Effective, built-in spherical wind and pop filter.
- * It is suitable for small and large stages, ballrooms, auditoria, classrooms and families.

REPAIR WITH SIMPLE FAULT

1. Turn on the receiver, but the indicator is not lighted?
 - ☆ Make sure if the power cable is well fixed. Is the socket in good condition.
2. When you speak, the AUDIO light twinkies, but no sound output?
 - ☆ Make sure if the volume keep in lowest place, or the audio cable is not fixed well.
3. The effective signal distance becomes close. And signal receiving is not will?
 - ☆ Perhaps you have not put out the antennas.
Perhaps you should change a new battery.
Perhaps the receiver is not put in right place.
Perhaps there is a strong magnetic field in your surroundings.
4. Timbre becomes bad?
 - ☆ Perhaps the voltage of the battery is not enough.
You need change.
Perhaps there are the same frequency signals in your surroundings.
Do not use two machines with the same frequency at the same time in a place.
(Separate them at least 100m.)

OPERATION OF THE RECEIVER

1. Power line Connection to DC 12V socket.

2. Connection of the audio output.

Mix output: One end of the audio cable into "MIX socket, and other end audio amplifier or mixer's MIC IN or AUX IN socket".

Separate output: One end of the audio cable into AF OUTA socket, and other End audio amplifier or mixer's MIC IN or AUX IN socket.

Operation of channel B is the same.

3. Push the power switch, the power-indicating light is lighted. when the microphone is working, the HA light of the receiver is lighted, The receiver output voice, volume can be controlled by adjusting the volume knob.

OPERATION OF THE MICROPHONE

1. Open the battery box, then put in the battery. Attention:

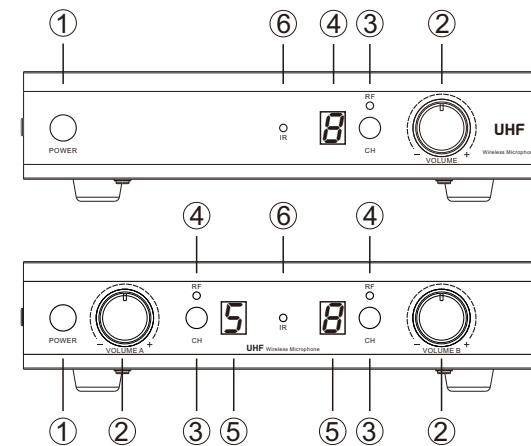
The polarity should be right.

2. Turn on the microphone. If the light does not twinkle or is always lighted, you should check if the battery's the voltage is enough or the battery is well arranged.

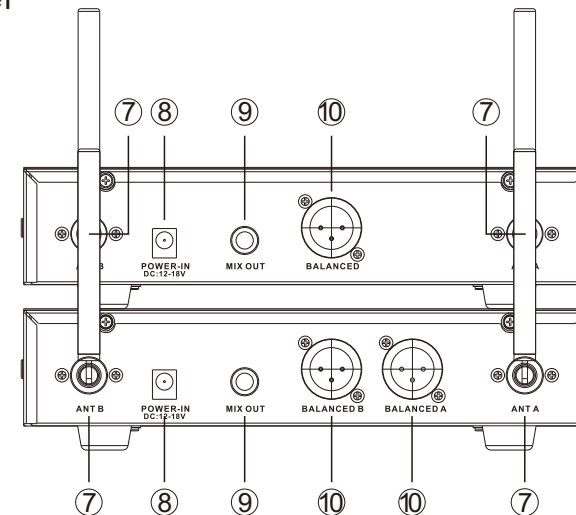
3. Turn the mic switch to middle, the receiver will cut out audio output.

RECEIVER DIAGRAM

Front Panel

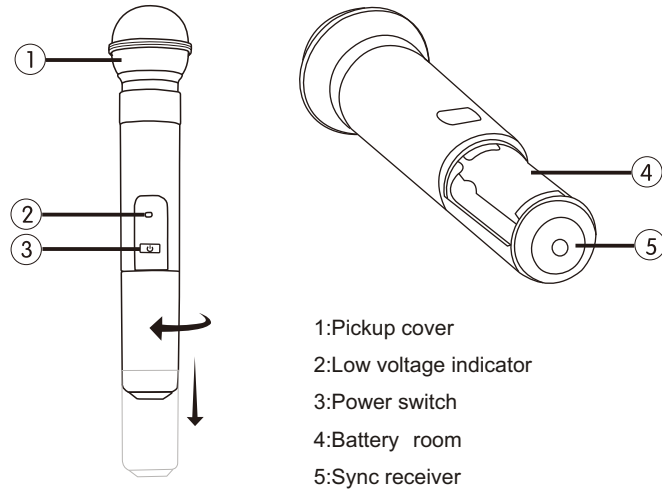


Back Panel



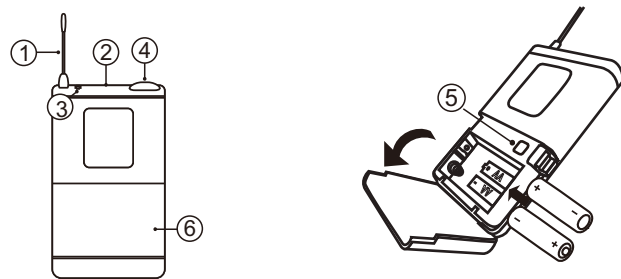
- | | |
|--|---------------------------|
| ① Power switch | ② CHA/CHB volume adjustor |
| ③ CHA/CHB paring and select frequency button | ④ CHA/CHB RF signal light |
| ⑤ CHA/CHB channel window | ⑥ IR light |
| ⑦ CHA/CHB receiver antenna | ⑧ Power jack |
| ⑨ Mixed output | ⑩ CHA/CHB XLR output |

HANDHELD TRANSMITTER DIAGRAM



- 1: Pickup cover
- 2: Low voltage indicator
- 3: Power switch
- 4: Battery room
- 5: Sync receiver

BELTPACK TRANSMITTER DIAGRAM



- 1. Antenna - Transmits audio to receiver
- 2. ON/OFF - Powers bodypack ON/OFF
- 3. Power LED - Indicates battery level
 - a) Solid Green LED - Battery level is healthy and good to use
 - b) Blinking Red LED - Batteries are low and require changing soon
- 4. Mini-XLR Jack - Connect headset and lavalier microphone cables here
- 5. Gain - Used to alter the overall volume output of the bodypack

Note: Gain alters volume output of bodypack only; it is in addition to the volume knob located on the receiver.
- 6. Battery Compartment - Insert two (2) AA batteries

Note: Rechargeable batteries are ok to use with this bodypack. Ensure rechargeable batteries are recharged in their appropriate charger to avoid damage to the bodypack.

OPERATION INSTRUCTIONS

