FCC Caution.

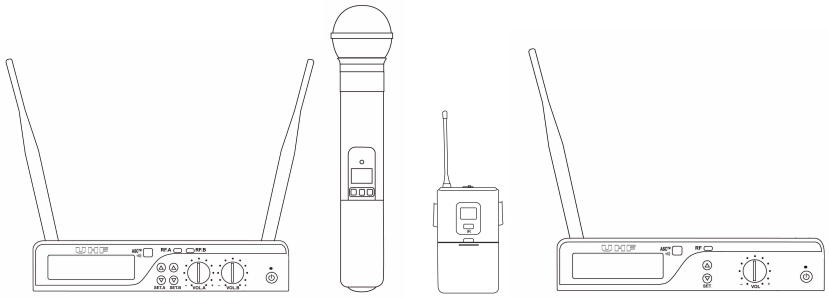
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Any 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.

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

User’s Manu
for
UHF wireless microphone



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When you want to set-up a new frequency, please do use the AUTO Searching function by pressing Set-Up key in 1 seconds of the receiver to search the best frequency around you, and then press the Set-Down key for 1 seconds and put the transmitter IR close to the Receiver IR window, to match the receiver and transmitter in same frequency.

Don’ t just press the Set-UP or DOWN key to change a new frequency simply.

▲2*100 Channels 1*100 channels

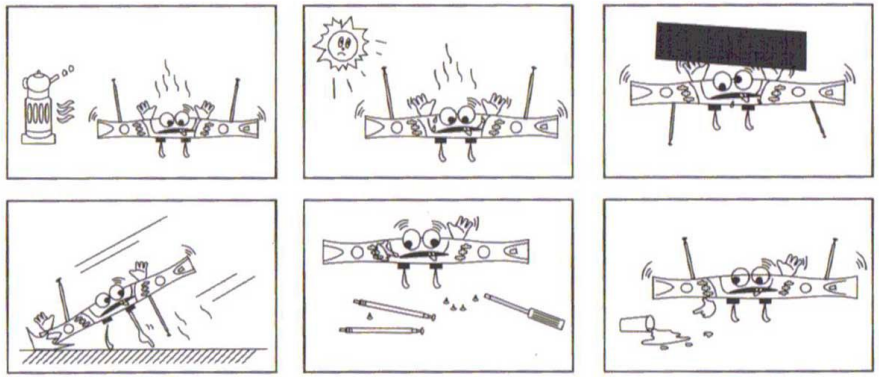
▲Auto channel searching，infrared channel matching

▲ microphone (transmitter) can be worked with anyone of this receiver

Preview

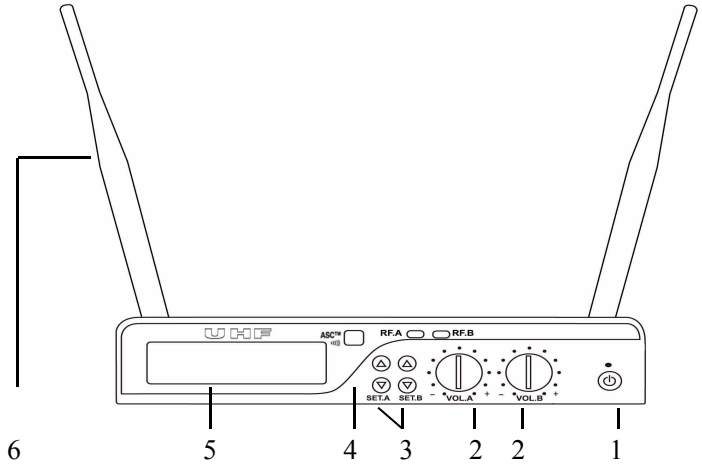
Welcome to choose this UHF wireless microphone system. This UHF wireless microphone system is professionally designed and manufactured with:

- Perfect sound quality
- The improved DPLL receiving mode with multi-channels
- UHF frequency, 2*100 channels to avoid interference.
- 100 frequencies in each Microphone makes more stable operating , more reliable transmitting.
- Auto-channel-searching and locking makes the operating easily.
- Infrared-channel-matching makes the operating of matching the receiver and transmitter in same frequency easily.



Don't operate the system under the following situation, for any repairing, only professional technicians are allowed to avoid danger.

Receiver Operating----------Receiver Front Panel



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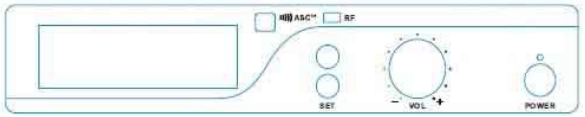

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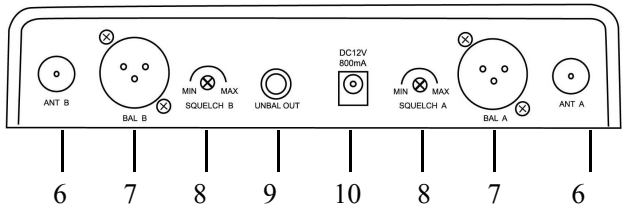
Receiver Rear Panel



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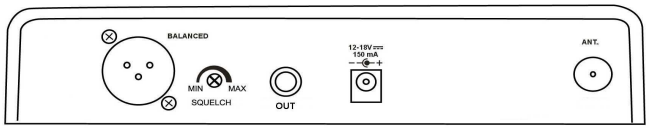

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1. Power On/Off
2. Volume
3. Set-A and Set-B

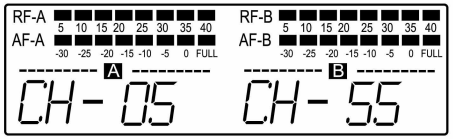
Searching Best Frequency: Press “SET--▲” key for 1 second to search the best operating channel (frequency)

Auto Matching: Press “SET--▼-” key for 1 second, put the transmitter ASC aim to the receiver ASC window, transmit the channel index to transmitter, it may automatically matching the channel between receiver and transmitter.

press “▲” or “▼” in 3 second to change the selected channel, press “SET-▼” key for 1 second again to match the transmitter (we don’t prefer to change the channel in this way)

4. ASC window
5. LCD display: Channel number, RF level, AF level, Mute, Frequency
6. Antenna
7. Audio balanced output
8. Squelch and noise mute adjusting button. Adjusting range is 0-40dB.
9. Audio Unbalanced output
10. Power Jack: connecting a 12v DC 50/60Hz adaptor for power.

LCD of receiver



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1. 8-level RF display: to display the RF level
2. 8-level AF display: to display the AF level
3. Frequency display: when FREQ lighting, the last 6 figure means the working frequency.
4. Channel Display: when CHAN lighting, it display the working channel.
5. Channel or Frequency display. It shows the working channel or frequency.
6. MUTE display: MUTE lighting means the system hasn’t receive the RF signal.

Receiver Operating

1. Turn Off the transmitter, Turn the Volume to “low”.
2. Turn on the receiver, check the RF and AF level, if interference too large, change the channel to avoid any interference .
3. Turn on the transmitter, the working RF-level display lighting, turn the volume to suitable level, then speak, the AF-level display working according to your voice.
4. Take off the power switch when finish using.

Auto searching Channel

1. Set-up the left Channel (Set.A)

Press “SET--▲” key for 1 second, the display shows the system is automatically searching the best workable frequency (channel). (Picture 1).

Infrared matching channel

Put the transmitter’s ASC sensor close to the receiver’s ASC sensor, press “SET--▼” key for 1 seconds, it will automatically transmit the channel index to the transmitter (microphone)----(Picture 2)

After the 1st and 2nd steps fnished, the handheld microphone (transmitter) LED light,means working.

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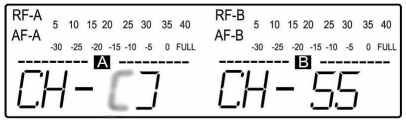
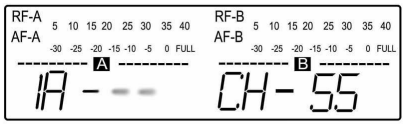
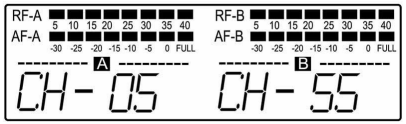
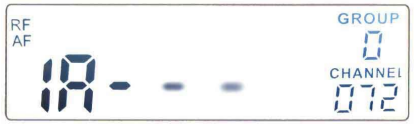






U-6198



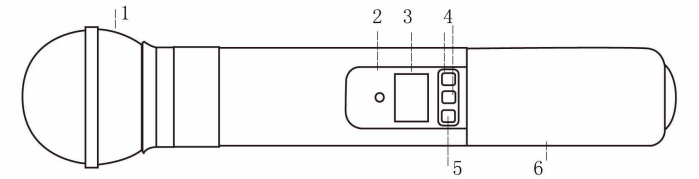
2. Set-up the right channel (Set.B)

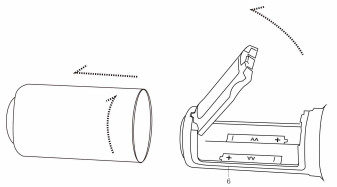
Set-up the right channel (Set.B) in same steps.

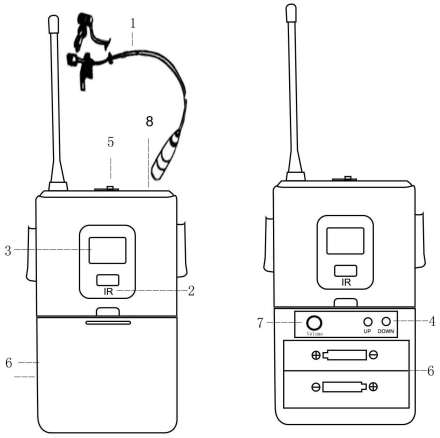
When the microphone and receiver shows same channels, the system is workable.(Pic. 3)

Remarks: press “▲” or “▼” in 3 seconds to change the working channel. (we don’t prefer to change the channel in this way)

Function of Handheld Transmitter(Microphone in Metal body)







1. Microphone head
2. ASC sensor
3. **LCD display**
4. **Up/Down key, for changing channel or frequency**
5. **Handheld mic---Power ON/OFF switch—press it for 5 seconds**
   Mute—Press it for 3 seconds
   Bodypack Transmitter: ON—MUTE--OFF
6. **Battery case: 2pcs of 1.5v AA batteries.**
7. **Gain**
8. **Microphone Input Jack**

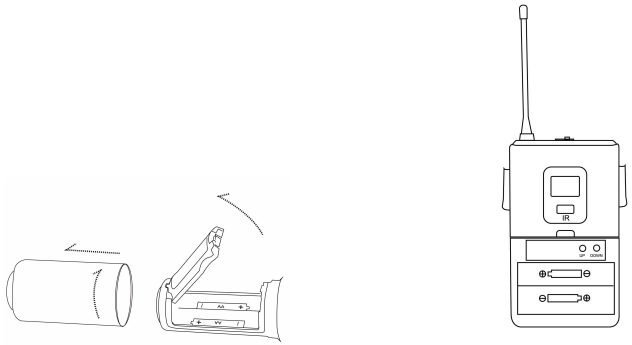
LCD display of transmitter (Microphone)

1. Frequency : indicate the working frequency
2. Channel: indicate the working channel
3. Low battery display: indicate the battery state.

Operating of the handheld transmitter (Microphone)

1. Turn on the transmitter, the LCD display will show the frequency, channel, battery state.
2. If the display show different frequency (channel) with receiver, take the microphone "ASC sensor" close to the receiver "ASC" window, press the receiver "SET--▼" key for 1 second, check again the receiver and microphone are in same frequency (channel), the RF light on the front panel of receiver lights, then the system is workable.

BATTERY



1. Screw out the battery case cover, push it out.
2. Put in 2 new 1.5v AA (NO.5) batteries, please make sure the batteries in right direction.
3. Push the cover in and make it tighten.

⚠ **Take off the batteries if not using for long time, the waist batteries must be take to Recycling Box**.

Technical Index

System

Carrier Frequency Range: 480-529.75MHz
Mode: FM (wide band)
Channels:100 channels * 2
Channel distance: 1MHz
Stability: +/- 0.005%
Dynamic Range: 100dB
Max deviation: +/-45KHz with level limiting
Frequency Response: 60Hz-18KHz (+/-3dB)
S/N ratio: >98dB
T.H.D.: <0.5%
Operating Range: 80m (under typical conditions)
Ambient Temperature: -10℃~+50℃

Receiver

Receiving Mode: DPLL
M Frequency: 110MHz, 10.7MHZ
Antenna input: BNC/50Ω
Sensitivity: 7dBuV (90dB S/N)
Sensitivity Adjusting Range: 12-32dBuV
Noise Rejection: >75dB
Max output Level: +400mVp

Handheld Transmitter

RF Output power: +8dBm (6.3mW typical)/50Ω
Harmonic/Spurious emission: -50dBc normal
Input Impedance: 10kΩ
Controls: Power OFF/ON, MUTE
LCD/LED Display: Channel/Frequency, BATT status, Mute LED
Antenna Type: Integral
Battery Type: 2 x AA alkaline or NiMH
Battery life: 8-10 hours typical, alkaline
Dimensions: 9.5" L x 1.5" D (24.1cm x 5.1cm)
Weight (w/o batteries): 10.4 oz (323.5g)
Housing Construction: ABS Plastic

Body-pack Transmitter

RF Output power: +8dBm (6.3mW typical) /50Ω
Harmonic/Spurious emission: -50dBc normal
Input Impedance: 5kΩ (Lavaliere); 500kΩ (Instrument)
Controls: Power OFF/ON, MUTE
Input Connector: locking 3.5mm mini-jack
LCD/LED Display: Channel/Frequency, BATT status, Mute LED
Antenna Type: External attached
Battery Type: 2 x AA alkaline or NiMH
Battery life: 8-10 Hours typical, alkaline
Dimensions: 2.5" W x 0.75" H x 4.2" D (6.35cm x 1.9cm x 10.7cm)
Weight (w/o batteries): 2.6 oz (80.87g)
Housing Construction: ABS Plastic

FREQUENCY CHART

CHA				CH B			
CH 000	480.00	CH 060	492.50	CH 000	505.00	CH 060	517.50
CH 001	480.25	CH 061	492.75	CH 001	505.25	CH 061	517.75
CH 002	480.50	CH 062	493.00	CH 002	505.50	CH 062	518.00
CH 003	480.75	CH 063	493.25	CH 003	505.75	CH 063	518.25
CH 004	481.00	CH 064	493.50	CH 004	506.00	CH 064	518.50
CH 005	481.25	CH 065	493.75	CH 005	506.25	CH 065	518.75
CH 006	481.50	CH 066	494.00	CH 006	506.50	CH 066	519.00
CH 007	481.75	CH 067	494.25	CH 007	506.75	CH 067	519.25
CH 008	482.00	CH 068	494.50	CH 008	507.00	CH 068	519.50
CH 009	482.25	CH 069	494.75	CH 009	507.25	CH 069	519.75
CH 010	482.50	CH 070	495.00	CH 010	507.50	CH 070	520.00
CH 011	482.75	CH 071	495.25	CH 011	507.75	CH 071	520.25
CH 012	483.00	CH 072	495.50	CH 012	508.00	CH 072	520.50
CH 013	483.25	CH 073	495.75	CH 013	508.25	CH 073	520.75
CH 014	483.50	CH 074	496.00	CH 014	508.50	CH 074	521.00
CH 015	483.75	CH 075	496.25	CH 015	508.75	CH 075	521.25
CH 016	484.00	CH 076	496.50	CH 016	509.00	CH 076	521.50
CH 017	484.25	CH 077	496.75	CH 017	509.25	CH 077	521.75
CH 018	484.50	CH 078	497.00	CH 018	509.50	CH 078	522.00
CH 019	484.75	CH 079	497.25	CH 019	509.75	CH 079	522.25
CH 020	485.00	CH 080	497.50	CH 020	510.00	CH 080	522.50
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CH 023	485.75	CH 083	498.25	CH 023	510.75	CH 083	523.25
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CH 045	491.25	CH 095	503.75	CH 045	516.25	CH 095	528.75
CH 046	491.50	CH 096	504.00	CH 046	516.50	CH 096	529.00
CH 047	491.75	CH 097	504.25	CH 047	516.75	CH 097	529.25
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CH 049	492.25	CH 099	504.75	CH 049	517.25	CH 099	529.75