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UHF100R / UHF100T

Labelling requirements.

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.

Information to user.

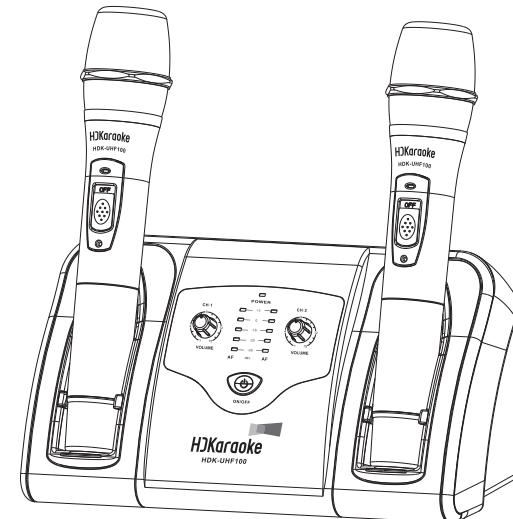
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Information to the user.

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.

UHF Wireless Microphone Systems User Guide



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Important safety instructions

- The transmitter and antenna should remain relatively position line accessibility.
- Don't put the receiver close to the metal surface or near any digital device(such as CD player, computer etc.).
- The receiver should leave 1m above the ground, try not to near to the wall, in order to fully ventilated, the minimum clearance off the device is less than 8 in.
- Ventilation holes should not cover with anything that hindering ventilation, such as newspapers, tablecloths and curtains etc. special items.
- Cellular phones and two-way radio emission can interfere with the audio transmission. Make the transmitter and receiver far from these devices and their potential sources of interference.
- The receiver should avoid direct sunlight or water, water splash and should not be placed near objects with water in it, such as vases filled with liquid on it.
- Do not disassemble.
- The receiver should not be placed near naked flame sources, such as lighted candle.
- Don't litter used battery, please put in the designated bins.
- In order to make the system work normally, the ambient temperature should within 20°F ~120°F
- Do not charge with the transmitter on.

Troubleshooting

Problem	Indicator (lamp) state	solution
No sound or faint sound	Transmitter power light off.	Turn on the main power; confirm the + / - mark on the battery and the transmitter terminal of the phase matching.
	Receiver power indicator off.	Confirmation of a head of the AC power adapter is plugged into a power jack, the other end is inserted into the receiver backboard straight direct input jack; confirm the AC power supply is normal, and confirm the power supply voltage is normal.
	Receiver RF indicator glows.	adjustable high receiver volume control; adjustable high transmitter gain switch setting; Check the receiver and amplifier or mixer cable connections.
	Receiver power indicator off. Receiver RF indicator glows.	The receiver side away from metal objects. Check in between the transmitter and the receiver are obstacles to closer receiver transmitter. Check whether the receiver and transmitter using the same frequency.
	Transmitter low-voltage indicator lights	The transmitter battery replacement.
Distortion or excess noise	Receiver for RF signal lights	Radio frequency interference source removal nearby (such as CD, computer, digital devices, earplugs monitoring system); the receiver and transmitter to different frequency; reduce the transmitter; transmitter battery replacement; if the use of multiple system, can increase the frequency interval between various systems.
Distortion level gradually increased	Low Battery indicator glows.	The transmitter battery replacement.
Sound level and electric guitar or microphone, or use a different guitar sound different level		According to the need to adjust the transmitter and receiver volume

Specifications

System

Frequency range and transmitter output level

Band	Range
UA	470. 2~607.8MHz

Work range on the typical understanding
50 meter

Notes: The actual scope and RF signal relate
to absorption, reflection and interference.

Audio frequency response (+/-3db)

60Hz~16KHz

<1%

THD (+/- 30khz excursion, 1khz audio) <1%

Dynamic range

>90db (A wh)

The work temperature range

20°F ~ 120°F

Notes: Battery characteristics may affect the
scope of the limits.

Handheld transmitter

Max audio input level
150mV

Size (include the head of microphone)

Weight

12 oz. (without battery)

Power request

Two 1.5V “AA” charging battery

Battery life
>8 hours (alkalescence)

Receiver

Audio output level (reference +/-30khz, 1khz)

XLR adaptor (switch in 600 Ohm): -12dbv

1/4 inch adaptor (switch in 3000 Ohm): -18dbv

Output impedance

XLR adaptor: 200vendu

1/4 inch adaptor : 1kvendu

XLR output

Balance impedance

Contact pin 1: GND

Contact pin 2: (+)

Contact pin 3: (-)

<-90dBm

Sensitivity (intermediate frequency demodulator
output SNR 30db)

<-90dbm

Image Rejection

>60dB

Size

10.4x5.6x5.7 in

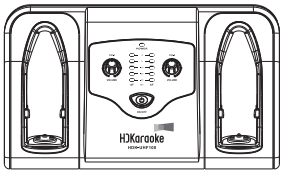
weight

29 oz.

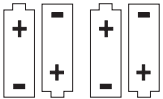
Power request

12 V DC, switching power supply 2000 milliam
peres from an external power

System components



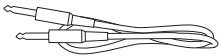
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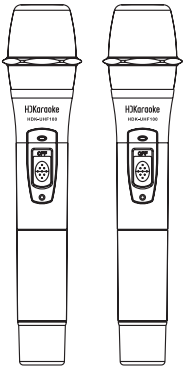
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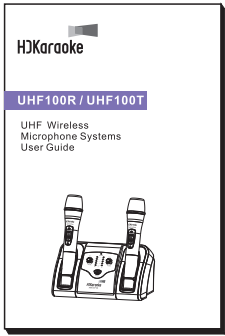
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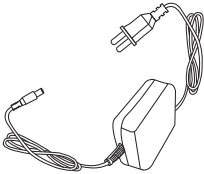
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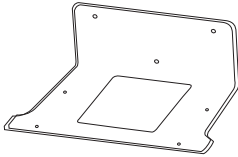
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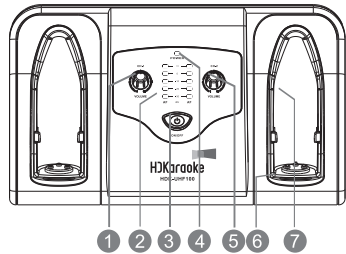
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All system include:

- 1 One UHF100R Receiver
- 2 Two Handheld Transmitter
- 3 Four 1.5V AA charging battery
- 4 One piece of '1/4' Audio tie line
- 5 One 12V 2000mA switch power
- 6 Two tail ring
- 7 Fixed mount (Accessories can be selected)
- 8 User guide

UHF100R receiver function:

Front panel



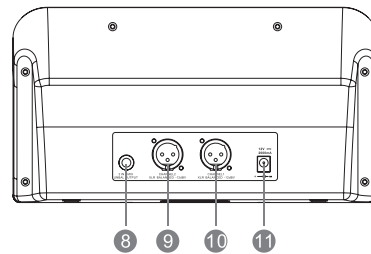
- ① CH-1 VOLUME left channel volume knob
- ② Audio indicator
- ③ Power button
- ④ Power indicator
- ⑤ CH-2 VOLUME right channel volume knob
- ⑥ Charge indicator light

Charge indication (green) : the green indication will be flashing 3 times when power up
When charging, the green indication will be always flashing; And when full , indication will be always green.

Receive indication (red): The indication is red for receiving transmitter signal correctly.

- ⑦ Charging slot of the Code Block
- ⑧ 1/4 inch mix output socket
- ⑨ Channel 2XLR mix output socket
- ⑩ Channel 1XLR mix output socket
- ⑪ Direct power adapter socket

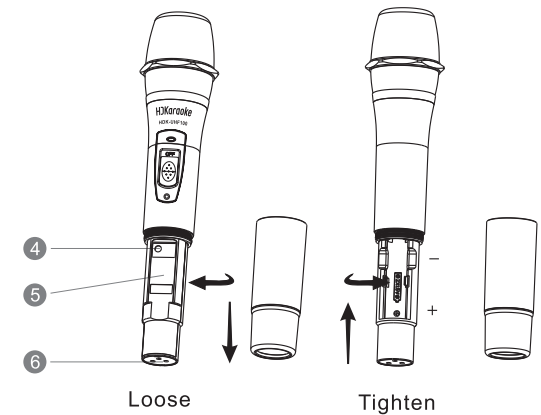
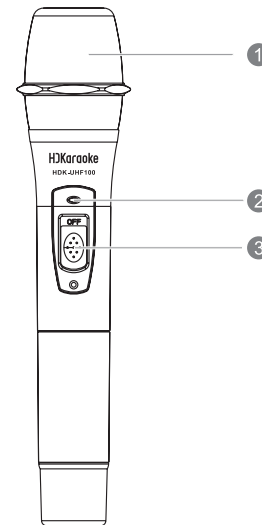
Back panel



UHF100T Handheld Transmitter

Functions:

- ① Microphone head
- ② Power/ASC/Battery low indicator light.
Green on: power on
Red flash: IR transmission in process.
Red flash: battery low
- ③ On-off/mute switch
- ④ Microphone control button
- ⑤ Batteries rack
- ⑥ Charge Socket



Changing Batteries:

Expected life for two alkaline batteries is about 8 hours.
As the battery indicator on the screen keeps glowing ,
the batteries should be changed immediately