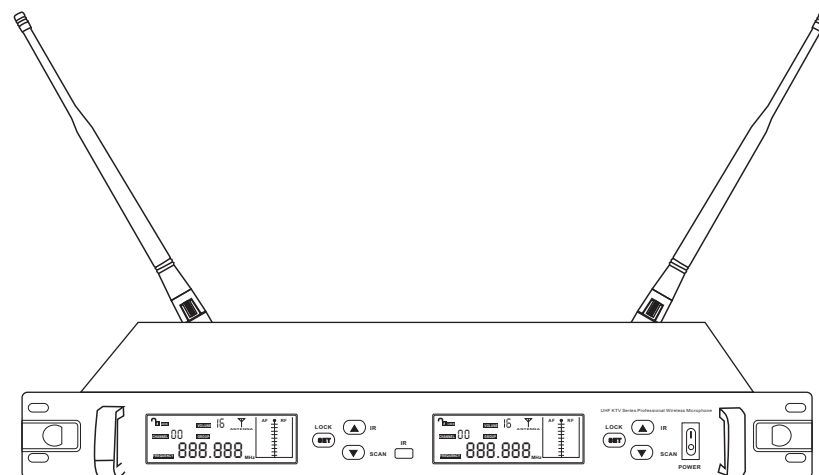




ACT Series Professional Wireless Microphone

USER GUIDE



KT-9330-3

Characteristic:

- >The best solution for Home KTV and professional performance.
- >Automatic frequency scanning ,Automatic transmitter setup.
- >Diversity operation for increased reliability.
- > RF power,internal channel selector,battery power status indicator.
- >Intellectualized and Multifunctional ,Humanized receiver.



FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

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

INSTRUCTION

Thank you for choosing this product. In order to obtain best efficiency from the system, you are recommended to take few minutes to read this instruction manual carefully . Please store this instruction in a safe place afer reading as a reference in the future.

This wireless system designed for musicians and performers need to be able to quickly and easily setup , to better improve performance effect . simplify your preparation.

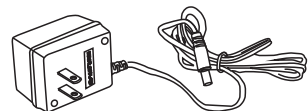
Innovations design such as automatic frequency scanning and automatic transmitter setup make wireless quicker and completely worry free.

NOTE please store this instruction in a safe place after reading as g reference in the future!

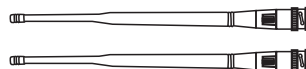
Table of contents

System Components	2
System Feature	3
Receiver System Setup	7
Transmitter System Setup	9
Insert And Replace Battery	14
Antenna Mounting	15
Product Performance Parameters	16
Note	17
Service	18
Matters Needing Attention	19

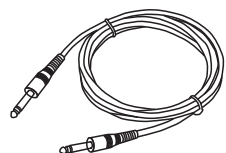
All systems include:



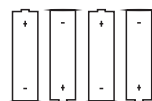
① Adaptor×1



④ Receiver Antenna×2



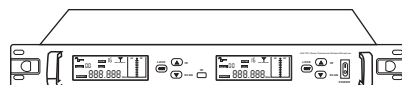
② Audio Cable×1



⑤ Alkaline AA Battery



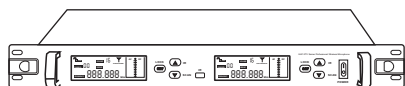
③ User Guide×1



⑥ Receiver×1

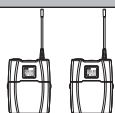
The receiver can be combined with the following optional components

RECEIVER



- ① Two bodypack transmitters
- ② Two handheld transmitters
- ③ One handheld transmitter and One bodypack transmitter

① Two bodypack transmitters



The bodypack transmitter can be combined with following components

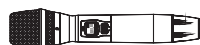


CLIP MIC



HEADSET MIC

② Handheld transmitter



③ One handheld+One bodypack transmitter



The bodypack transmitter can be combined with following components



CLIP MIC



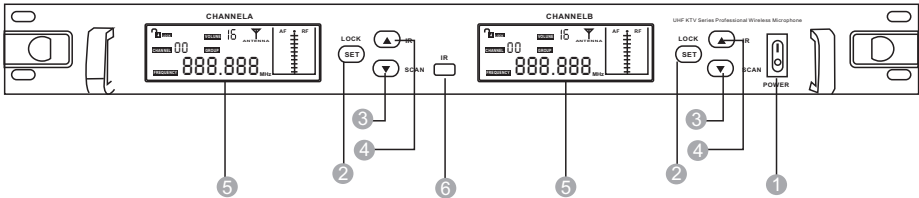
HEADSET MIC

Cautions

- 1.For the safe use of equipment and adequate ventilation, the minimum clearance around the equipment should be kept at a distance of 5cm.
- 2.Vents should not be covered by obstructions such as newspapers/cloth/curtains or other items that interfere with ventilation
- 3.Exposed flame sources should not be placed on the equipment, for example, lit candles.
- 4.Do not throw away the battery when it ran out. Pls put it in the designated recovery box. The battery contains heavy metals like mercury, cadmium, and lead. If the batteries are mixed into domestic waste, over time, heavy metals may contaminate groundwater and soil.
- 5.Equipment can be used normally in tropical/temperate climate conditions
- 6.Do not place liquid filled items such as vases on the equipment to prevent being exposed to water droplets or water splashes.
- 7.Symbol " ⚡ " on the equipment is a hazardous live warning.

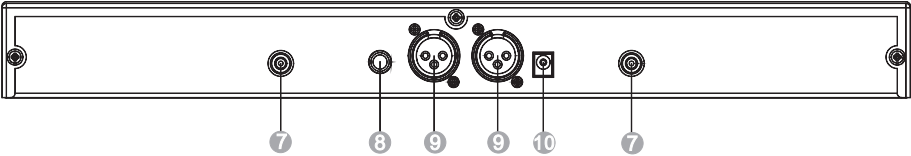
Problem	Indicator State	Settlement
No sound	Signal indicator is not lighted.	Push the power switch to the "ON" position, check the battery inserting properly; ensure the polarity right; ff way of inserting battery is right, now should replace a new battery.
No sound	Digital display is not lighted.	To check and ensure that AC cable plugs into the jack and input jack of receiver with its two end; check and ensure that the power jack works well and the power voltage is proper.
No sound	AF signal indicator is not lighted	And signal indicator flickers following the sound Sound peak indicator flickers when high frequency input; turn on the volume controller to higher,check and ensure that it is connected properly with the receiver output connector and outer equipment.
No sound	RF signal indicator is not lighted	To check and ensure that the transmitter & receiver match with frequency; away the two antennas,pull them be angle in 45°to level; antennas is away from any metal; take away the things between transmitter & receiver; the man who holding microphone can able to see the antennas.
One indicator is lighted other one isn't.	One MIC works well, other one doesn't work.	To check the trouble microphone, ensure that the channel choice is same as the good one.
Have noise and the radio noise.	Signal indicator is lighted.	To check that jamming (other RF signal source),and close them or take away them, or change into other different frequency.
TH.D. rise higher.	Signal indicator & low batter indicator are lighted.	Replace new batter.

FRONT PANEL



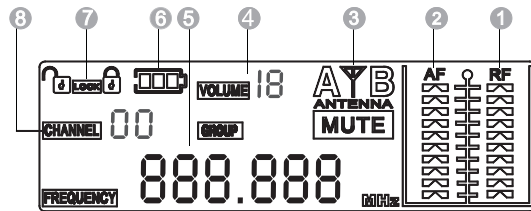
- 1. Power
- 2. Set/Lock
- 3.IR ▲ button
- 4.Scan ▼ button
- 5.LCD display
- 6.IR window

REAR PANEL



- 7. Antenna
- 8. 1/4 Mixed Audio Ouput
Channel A or Channel B 6.35mm Jack Connector Unbalanced Audio Output
- 9. Balanced Audio Output
Channel A or Channel B XLR connector Balanced Audio Output
- 10.Power Supply
Removable adapter with DC12-14V 1500mA

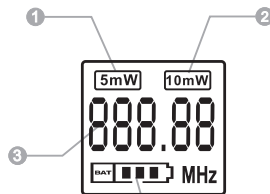
LCD DISPLAY



1. RF Status Display
2. AF Status Display
3. Signal selection state
4. Volume status display
5. Frequency display (with MHz unit shows)
6. Transmitter power status display
7. Interface lock
8. Channel

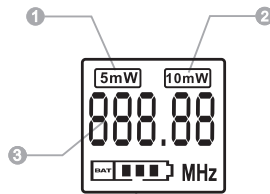
BODY-PACK LCD DISPLAY

1. Low Transmission Power Status (5mW)
2. High Transmission Power Status (10mW)
3. Frequency Display (MHz units)
4. Battery Status Display



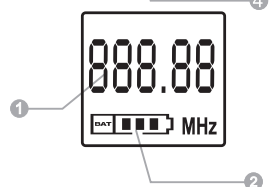
HANDHELD LCD DISPLAY (ACT8)

1. Low Transmission Power Status (5mW)
2. High Transmission Power Status (10mW)
3. Frequency Display (MHz units)
4. Battery Status Display



HANDHELD LCD DISPLAY (604)

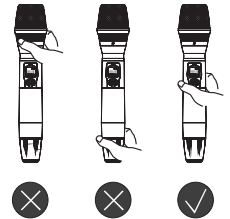
1. Frequency Display (MHz units)
2. Battery Status Display



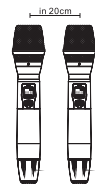
Please read the following notes carefully

- The two microphone in one receiver should be set the same channels.
- The LCD is in low power if the LCD indicator is flashing , pleas replace a new battery as soon as possible
- The receiver should work with antenna , otherwise ,that will influence microphone's working distance and life.
- Don't press the button when the microphone working to avoid to change the channel and not work normally.
- The receiver has DC power supply , but note : please use correct adaptor , otherwise that's will damage the receiver hard .(PIC 4)
- When use multi receivers , please set them in different channel to avoid disturbing by same channel.
- Please pull out the power plug if no use in long time . avoid the battery liquids damage the inside element.
- Use the microphone correctly , so that you are able to have a better sound quality pick up (PIC 1)
- Don't use each microphone too close , otherwise , it will probably disturb either microphone work well (PIC 2)
- Keep the receiver away from the wall and earth (PIC 3)

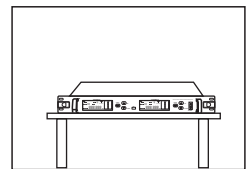
PIC 1 Use the microphone correctly



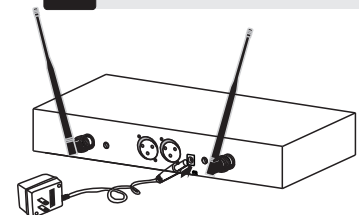
PIC 2 It is not allowed to use in 20cm



PIC 3 Keep away from the wall and earth



PIC 4 Use the correct adaptor



DC12~14V 1500mA

1.The whole system

Channel : 2x100 channels
 Frequency range : 470.2-607.8MHz
 Band width : 50 MHz
 Frequency response : 60Hz-15KHz
 Dynamic range : > 100dB
 T.H.D <0.5%
 S/N ratio : > 90dB
 Valid distance : >50m

2.Transmitter

Transmission power : 10mW / 5mW
 Oscillation mode : PLL
 Modulation method: GFSK
 Image reject: >50dB
 Maximum deviation degree: <75KHz
 Frequency stability: <2KHz
 Power : DC 2.4~4.8V

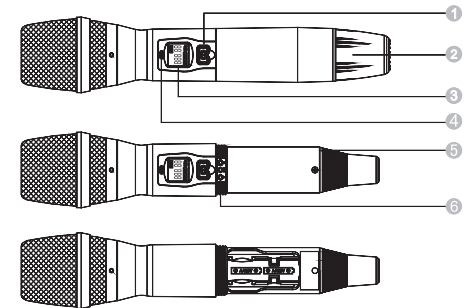
3.Receiver

Sensitivity: 2. 0uV
 Oscillation mode : PLL
 S / N ration : >90dB
 Output : 2x balance and 1x6.35 mm mixed
 Power AC 100~240V DC12~14V

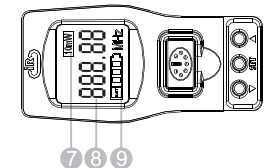
Transmitter (ACT8)

Name and function of each pare

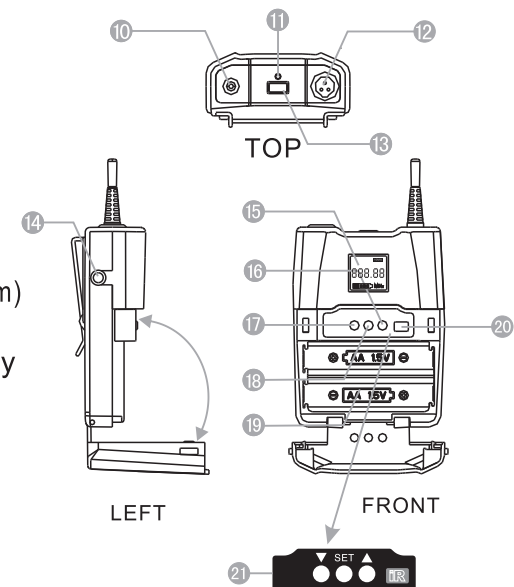
1. Power
press on or off
2. Antenna
3. LCD Display
Display Frequency
Battery Status
4. IR Port
5. Battery Tray
6. Adjust the height of power



7. Currently Using Power
8. Currently Using Frequency
9. Battery Status Display



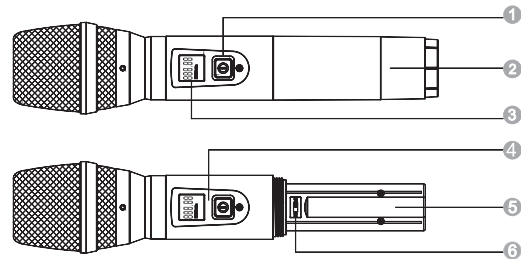
10. Antenna
11. LED Indicator
LED indicator display work
on or off ,low voltage
- 12.XLR Three Pin connector
13. Power
14. External Audio input jack (2.5mm)
15. LCD Display
Display frequency、 battery
status、 RF statu
16. Down selection button
17. Up selection button
18. Confirm key
19. Battery Tray
20. IR PORT
21. Transmission Power Level and Frequency Setting



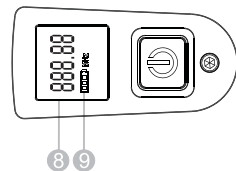
Transmitter (604)

Name and function of each part

1. Power press on or off
2. Antenna
3. LCD Display
Display Frequency
Battery Status
4. IR Port
5. Battery Tray
6. Adjust the height of power

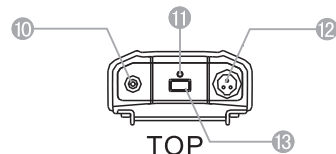


8. Currently Using Frequency
9. Battery Status Display

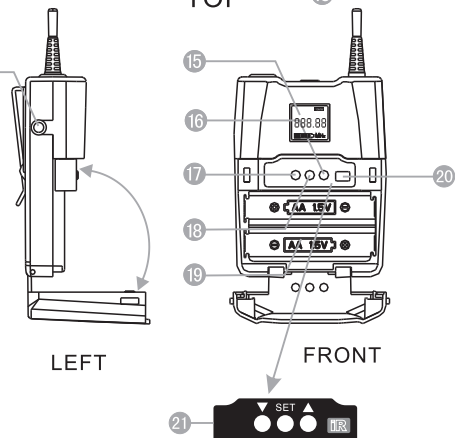


10. Antenna
11. LED Indicator

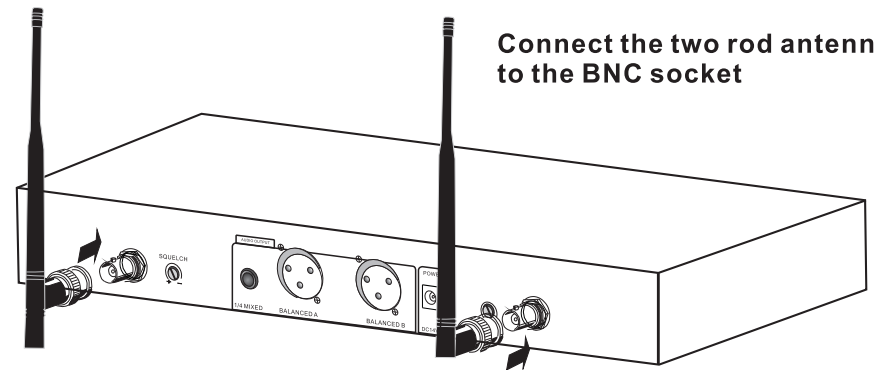
LED indicator display work on or off, low voltage



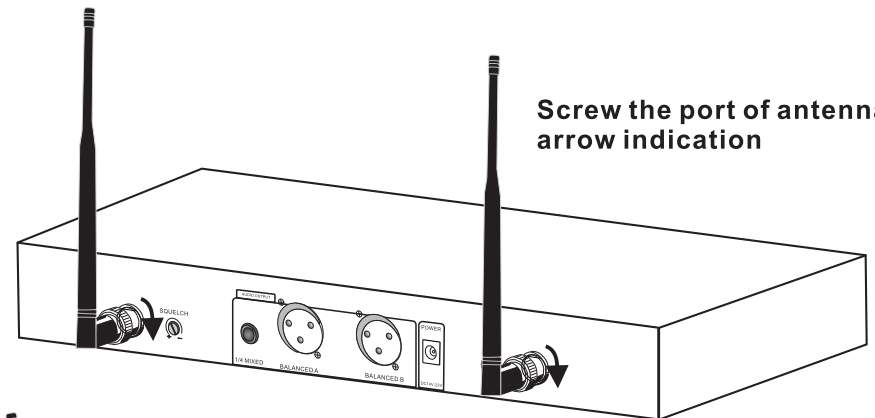
12. XLR Three Pin connector
13. Power
14. External Audio input jack (2.5mm)
15. LCD Display
Display frequency, battery status, RF status
16. Down selection button
17. Up selection button
18. Confirm key
19. Battery Tray
20. IR PORT
21. Transmission Power Level and Frequency Setting



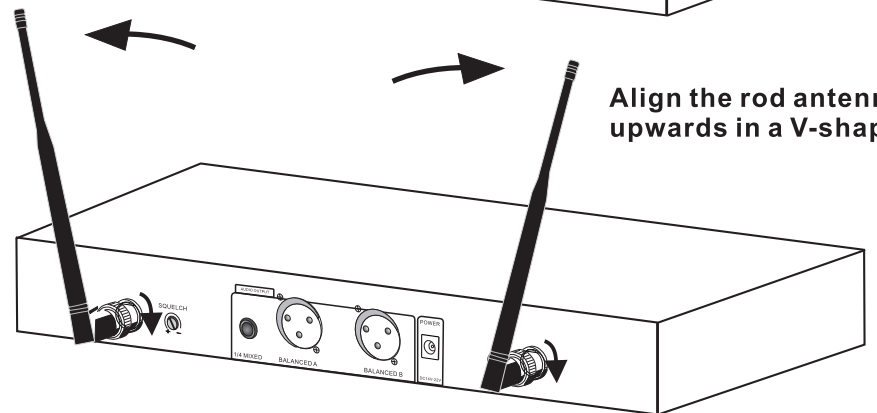
Connect the two rod antennas to the BNC socket



Screw the port of antenna as arrow indication

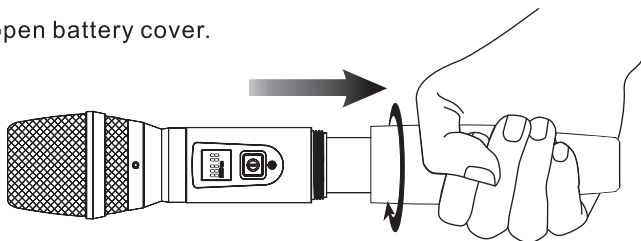


Align the rod antennas upwards in a V-shape

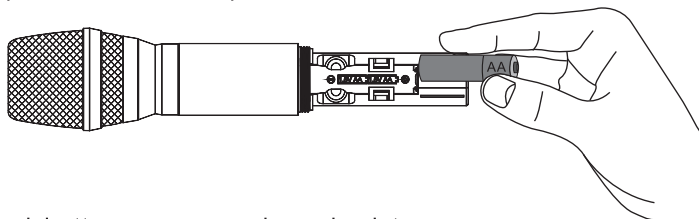


HANDHELD TRANSMITTER INSERT AND REPLACE

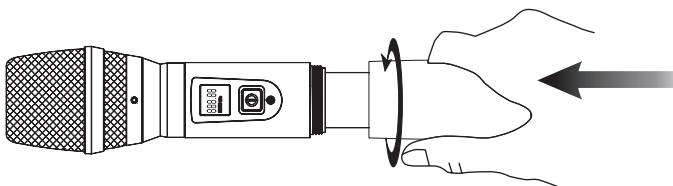
1. Twice open battery cover.



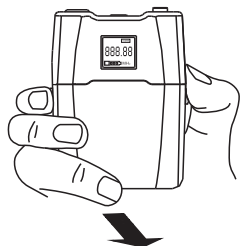
2. Make sure that you insert the battery at the right electric poles , as shown in picture.



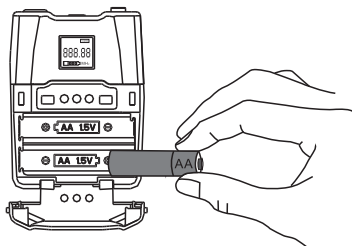
3. Twice back battery cover , as shown in picture.



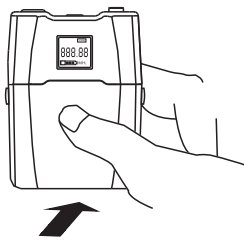
BODY-PACK TRANSMITTER INSERT AND REPLACE



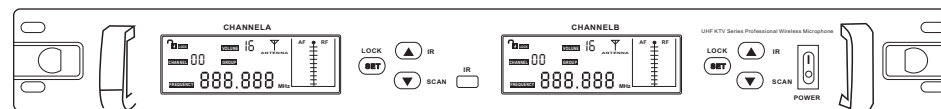
1. Open the battery tray



2. Make sure that you insert the battery at the right electric poles , as shown in picture.



3. Close the battery cover.

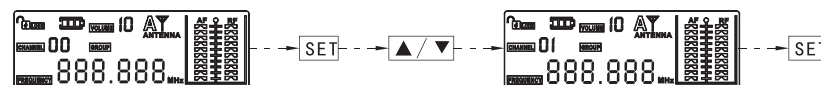


A CHANNEL

B CHANNEL

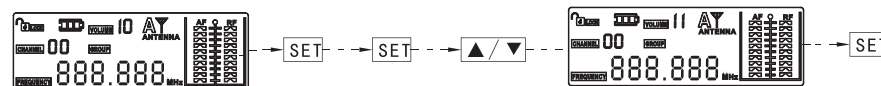
1. Frequency set

In the default interface, press "SET" key to enter the menu, the flicker frequency type and operation "bring" or " " key to adjust frequency, step by step for 250 KHZ, press "SET" key to confirm.



2. Volume set

In default, interface, press "SET" key to enter the menu, the fonts flicker frequency, press the "SET" key once again, the volume fonts flicker, operating "bring" or " " key to adjust the volume, step 1, press the "SET" key to confirm and exit.



3. Lock screen Settings

In the default interface, long press "SET" button:

A, originally in the unlocked state, enter the lock screen, and display " ";

B, the initial state is in the lock screen, enter the unlock, and show " ".



4. Automatic search frequency

In the default screen, press the "SCAN" button to enter search frequency, frequency search is completed, will automatically exit;



5. The infrared on frequency

In the default screen, press the "IR" button to enter the frequency, the infrared start flashing, and screen display "IR -", the frequency, the horizontal line from left Right to move, the frequency for 10 s, of frequency is completed, will automatically quit;

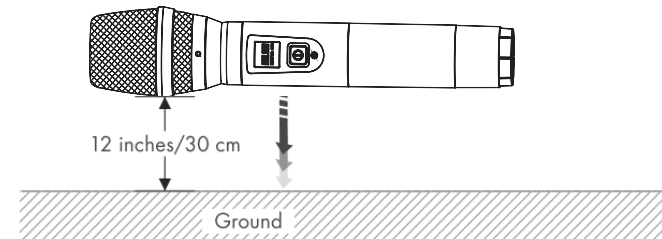


HIGH TECH AUTO-MUTE SYSTEM FEATURES

This function's primary focus is to eliminate unwanted noise while being energy efficient. To do so, the microphones are equipped with a six-axis gyroscope sensor.

FEATURES:

- Energy Saving**
 The six-axis gyroscope senses speed in three directions as well as any angular changes in velocity. This information is transmitted through the sensor and minimizes power consumption by entering a "sleep mode" when it senses no movement within a preset time, allowing for more usage time without changing batteries as often as conventional microphones.
- Instant "wake up" Response**
 The microphone can switch from "sleep mode" to operating mode in milliseconds with its intelligent sensory technology.
- Auto-Mute When Not Held**
 The microphone detects and auto-mutes when it is dropping. This function can avoid most unwanted noise and greatly decrease the chances of any damage to the audio equipment. It is important to note the auto mute function will engage once the sensor detects a falling motion (the minimum falling distance for the sensor to activate is 12 inches/30cm). The microphone will operate normally again once it's picked up.
- Auto-Mute 3 to 5 seconds**



HOW TO TURN AUTO-MUTE ON/OFF

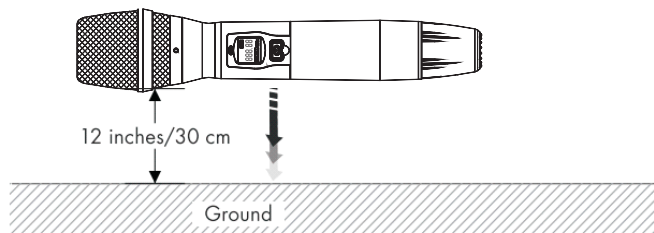
- When the display show the frequency .press the "POWER" key .then will closed the received .
- press the "POWER" key for a while .the window of the power off disappear . Then continue to press the "POWER" key for a while .Then the mute funtion automatic set up (G-ON or G-OFF)

HIGH TECH AUTO-MUTE SYSTEM FEATURES

This function's primary focus is to eliminate unwanted noise while being energy efficient. To do so, the microphones are equipped with a six-axis gyroscope sensor.

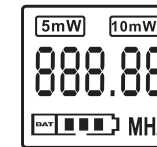
FEATURES:

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- 4. Auto-Mute 3 to 5 seconds**



HOW TO TURN AUTO-MUTE ON/OFF

STEP 1: Power on and remove the battery cover of your handheld microphone.
 STEP 2: Using the navigation buttons, use a plastic screwdriver to press "SET" repeatedly until "9-ON/9-OFF" appears. While blinking, press "UP" or "DOWN" buttons to set your preference to "9-ON/9-OFF". Once selected, wait for "9-ON/9-OFF" to stop blinking.



1.Power

Press "SET" key three times to enter transmission power selection menu, the screen show "5mW" or "10mW" which is flashing, press "UP" or "DW" to select transmission power.

2. Select Frequency

Press "SET" to enter frequency selecting menu, press "UP" or "DW" to select the frequency.

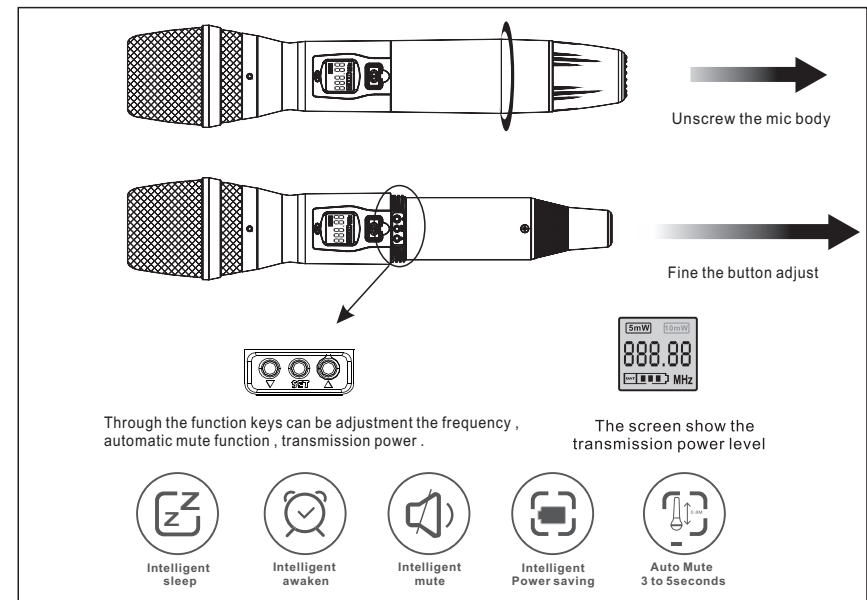
3. Automatic Mute Function

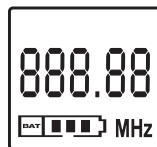
Press "SET" to enter Automatic mute function menu, press "UP" or "DW" to open & lock the mute function.

4. When power supply is low-voltage, it will be off automatically

When the battery status shows empty, icon of power display is flashing, and the transmitter will be off after 60 seconds.

HOW TO SELECT THE TRANSMISSION POWER





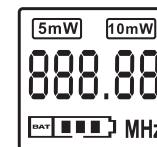
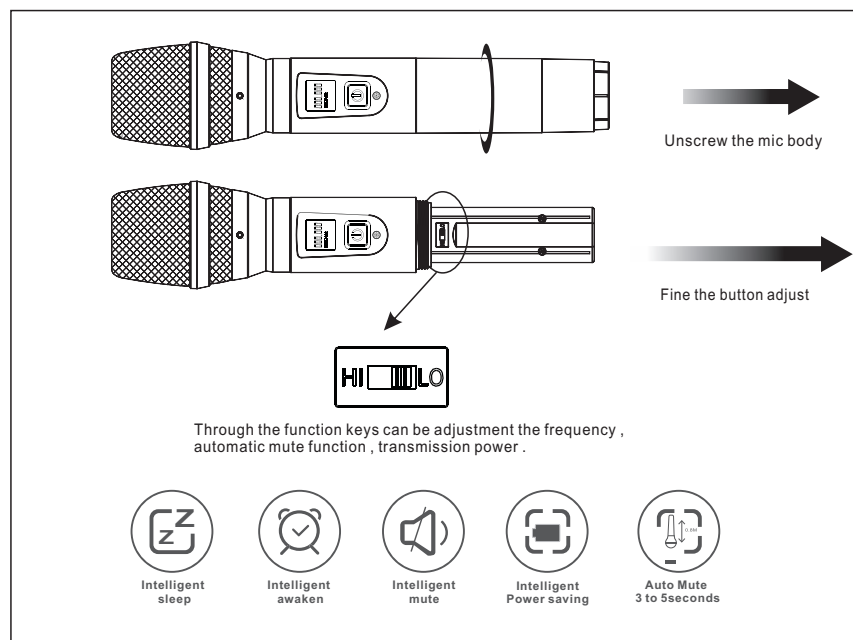
1.Power

Switch to turn on or off

2.When power supply is low-voltage,it will be off automatically

When the battery status show empty , icon of power display is flashing , and the transmitter will be off after 60 seconds.

HOW TO SELECT THE TRANSMISSION POWER



1.Power

Switch to turn on or off

2.When power supply is low-voltage,it will be off automatically

When the battery status show empty , icon of power display is flashing , and the transmitter will be off after 60 seconds.

3.Select frequency

Short press "SET" button, enter the frequency Settings, start flashing on the display frequency, press the "UP" or "DW"

For frequency modulation, frequency step to 250 KHZ, once again, press "SET" key to exit.

4.Transmission power selection

Press "SET"key two times to enter transmission power selection menu, the screen show "5mW" or "10mW" which is flashing , press "Up" or "DW" to select transmission power.

5.Infrared frequency

The IR port of transmitter match to the IR port of receiver .
(details please the receiver system setup)

