The latest automatic induction patent technology.
Microphone will auto mute after left transmitter ,
enter into idle mode, automatic power off.

AUTOMATIC INDUCTION
WIRELESS MICROPHONE SYSTEM

Intelligent induction microphone system
User manual

The latest automatic induction patent technology.
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AUTOMATIC INDUCTION WIRELESS MICROPHONE **OWNER'S MANUAL**

CATALOG

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Problem & Solution

trouble shooting

Some common problems and their solutions are identified in the table below.If you are unable to solve the problem, Please contact your dealer for solutions.

Situation	Solution
No voice;(situation: the RF display of receiver off)	Check the transmitter and receiver to see whether it is on the play of "NO" Check if the "negativre" and the "positive" pole of the battery confused. Check the antenna connecting situation Make sure that there is no block between the antenna and the transmitter.
No voice(situation:RF display is nomal; AFdisplay is nomal)	Check if the voice of receiver is on the lowest place. Check whether the connecting between the loudspeakers and receiver are nomal.
No voice(situation:RF display is nomal; AF display is un-nomal)	Check whether the power of the transmitter is on. Exchange transmitter when it is necessary
Put through the transmitter, there is some noise or some interruption noise in the receiving signal	Check whether the battery is tight enough. Eliminate the disturb RF source is nearby. Check the connecting situation, if using githar or other musical instrument. If both of the transmitters are using the same frequency, check it and close one of them. maybe the signal is too infirmness, adjust the place of the antenna more nearly to the transmitter as possible. Replace other channel.
There is some noise, after closing the transmitter.	Adjust the sensitivity button of the transmitter, the "SQ" button. Eliminate source of RF noise Adjust the place of the receiver or the place Of the antenna again.
While the showplace is moving, the voice from the transmitter may get lost sometimes.	Adjust the sensitivity button of the transmitter; the "SQ" button. Locate the receiving machine over again and hare the "on-show" experiment. Obserre the RF display. If you find some voice lost, tag the point and avoid this point when performing.
Can not open the transmitter.	Change the battery of the transmitter..

Digital pilot induction microphone system characteristics

The latest automatic induction patent technology, microphone will auto mute after left transmitter within 3 seconds (at any direction or any angle can be), Enter into idle mode after 5 minutes, automatic shutdown after 15 minutes and then completely cut off the power,it is a new concept of intelligent, automatic wireless microphone system.

ECO MODE
Microphone automatic mute within 3 seconds
Automatically mute then turn off after 5 minutes
Enter into idle mode
Automatic mute then power off after 30 minutes

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3) Build in feedback circuit board, more easier to operate.
4) Automatic search effective channels , installation is more convenient
5) Maximum volume can be set.
6) UHF frequency band, phase-locked loop (PLL) frequency synthesis
7)100 * 2 channels, spacing 250 KHZ
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9) Special mute circuit design, completely eliminate the noise of microphone turns on or off.
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11) Adopts unique design of booster battery , will not affect the stability when battery use out.
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14) According to need Flexible setup effective radius of operation between 80 meters.
15) With IR automatic frequency function, can make the transmitter work more faster.
16) Special models for KTV projects, two microphone with one receiver.Easily install more than 100 KTV rooms, the product structure design is unique,Quick and easy maintenance.

Applicable occasions: suitable for high-grade KTV room, small and medium-sized performances, classroom, meeting room, etc., is the key products, are extremely interested Customers .
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technical parameters

Frequency range	645-694.75MHz
Adjustable channel	100 x 2
Oscillation mode	Phase-locked loop (PLL) frequency synthesis
Frequency stability	Plus or minus 10 PPM
Reception mode	Secondary superheterodyne frequency conversion
Pilot way	Digital pilot
Receiving sensitivity	- 95 - - 95 DBM
Frequently response	40-18000 Hz
THD	0.5% or less
Signal to noise ratio	110 db or higher
Audio output	Equilibrium output and mixed output
Transmission power	12mw
Modulation mode	Frequency modulation (FM)
battery specification	2 no.5 batteries
Power supply specifications	100-240 - v 50-60 Hz 12VDC power adapter (switch)

12VDC or 220 vac / 50- 60 Hz (linear power supply)

The power consumption	10 w or less

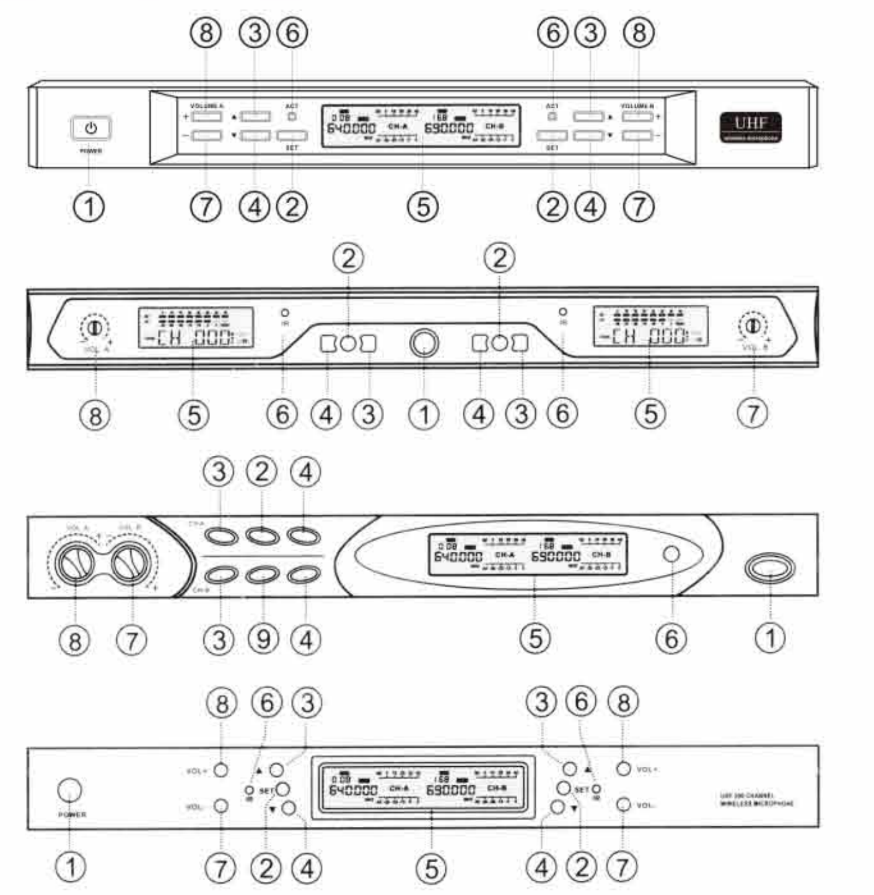
FCC Statement

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

Basic configuration

This series product is composed of handheld mic and receiver, including audio output cables, batteries, frame and auxiliary installation
Form a complete set screw, such as product specification attachment.

Intellisense receiver function

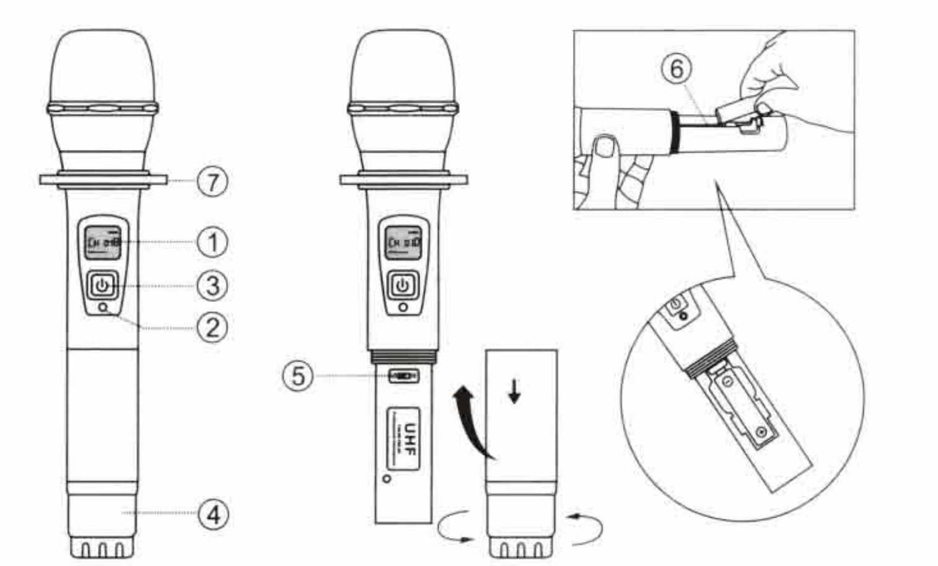


1. Power : press the power switch, LCD is bright, turn on power, and then press power knob for 3 seconds,LCD closed， power shut down.
2. Four function keys: can choose left or right side with No.9 "SEL" button, choose No. 3 "▲" No. 4" ▼" button to select current menu, then press No. 2 "SET" to confirm.
3. Liquid crystal display (LCD) : can display channel, mute, receiving signal level, audio power level.
4. Frequency of infrared window: cooperate with "SET" key, keep the transmitter close to No.6 to get channel parameters.
5. Volume knob

Operation of transmitter

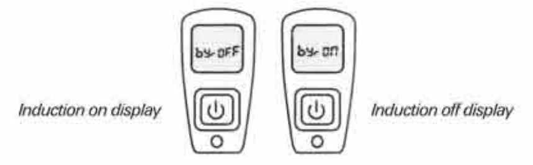
1, MICROPHONE, THE SHAPE OF THE STRUCTURE

(1) LCD screen
(2) IF receiving window
(3) Power switch
(4) Tail cone
(5) High \ low power switch
(6) Battery compartments
(7) Roll ring



1, THE INDUCTION FUNCTION ON AND OFF.

Open transmitter, after the backlight off, hold down the power button not holding (note: holds it down after 2 seconds, transmitter shutdown, keep holding the power down, after waiting for ten seconds transmitter will be automatically switched on, and show the b yr on (induction function open) or b yr off (table Induction function closed), then release the power release button, transmitter enter into normal work mode. Open and close the induction function is the same operation, simply Repeat again. Please remember that holds the power down at the whole procedure.

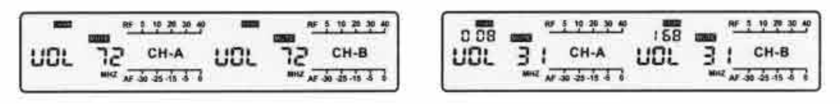


Digital pilot receiver operation

1, IN ORDER TO ADAPT DIFFERENT GAIN SYSTEM, THE NEW DEVICE WITH MAXIMUM VOLUME FUNCTION.

Operating mode as follows:

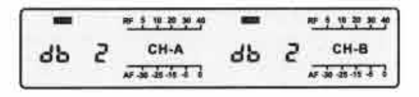
Power off, press left and right "+" together, then turn on the receiver, LCD dispaly "VOL", press "+" "-" to set MAX volume. Pess "SET" twice to save and exit. Factory MAX volume is "72" ,the bigger of number, the louder of the volume.



2, FEEDBACK FUNCTION

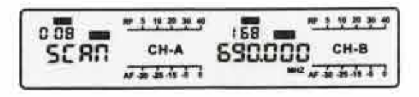
The way enter into menu is same to item I. Press left and right "+", turn on the receiver, first menu is MAX volume, press "SET", enter into feedback menu. LCD display "db2", customer can set from "0" to "5".

Note: this function only for two transmitters use at the same time.



3, AUTOMATIC SEARCH FREE CHANNEL FUNCTION.

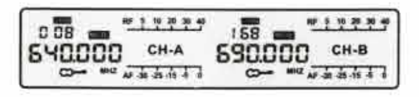
Under complex environment, it is better to use auto search available channel function; Press "SET" for two seconds, enter into auto search menu, when receiver get usable channel, the data is lighting, put transmitter close to "IR" window, press "SET", this operation finished.



Digital pilot receiver operation

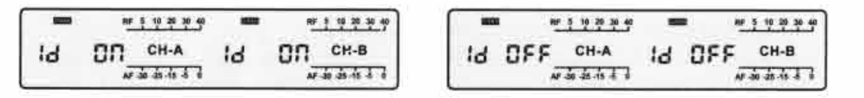
4, Receiver, LOCK AND UNLOCK

Turn off the receiver, press left "up" button to turn on, can set lock function. Lock state as follows.

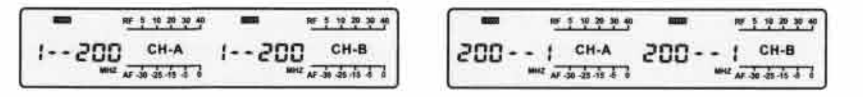


5, BUILT-IN HIDDEN DEBUG MODE

Press left and right "DOWN" to turn on the receiver. Enter into ID encryption menu. LCD screen display "IDON" ,press "up" or "down" to change. "IDON" is nomally using mode. Under this situation, receiver only suitable used with the last matching transmitter. "ID OFF" is for testing, it is suitable for any transmitter, For avoid string frequency, we suggest customer don't use this function.



Attention: Under "ID ON" situation, LCD Screen display battery level, while "ID OFF" will not. After set down "ID" function,press "SET" button to set ID algorithm identifier. Customer can use this function when use near than 200 sets in a karaoke club.

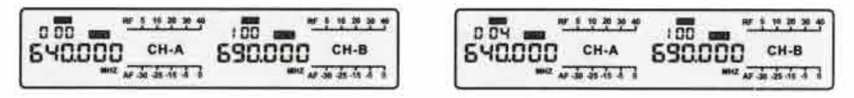


The receiver can only used the last with matching frequency transmitter
If appear that transmitter and receiver showed the same frequency, but the receiver has no sound signal, to set once again.

Analog pilot receiver operation

1, CHANGE THE FREQUENCY POINT.

A, the four key receiver operating: press SEL Button to choose (A stands for left while B stands for right), then press the "UP" and "DOWN" to plus/minus the frequency point, the corresponding channel display will flash, then press SET to confirm.
Finally open transmitter,keep it close to the receiver IR window, then press receiver SET key again, 2 seconds later, transmitter frequency point will be same to receiver. Six key receiver operation: press the" up "and "down "to change frequency point, and then press SET key, press the SET key again to save.



2, RECEIVER/UNLOCK.

A, receiver with four buttons, automatically locked under boot mode, then press "SEL" button to automatically unlock, turn it off again. It is locked; B, Receiver with six buttons, press "SET" button three times to enter the "LOCK ON and LOCK OFF" menu, Press the up and down key switch can unlock, press the "SET" key to exit.

3, DISPLAY MODE SETTINGS.

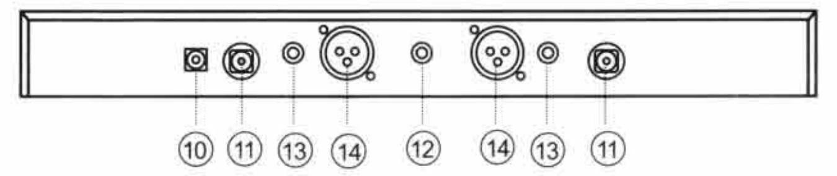
Four key receiver can display the complete information, no adjustable options. Six key receiver can not display frequency and points at the same time. If you want to display frequency, press the "SET" key for 2 times enter into the display mode Settings Menu (DISPL), "CHANNL" is for the frequency display mode "CH * * *", "FREQU" is for the frequency display mode. Press "SET" button to save and exit.

4, DISTANCE CONTROL.

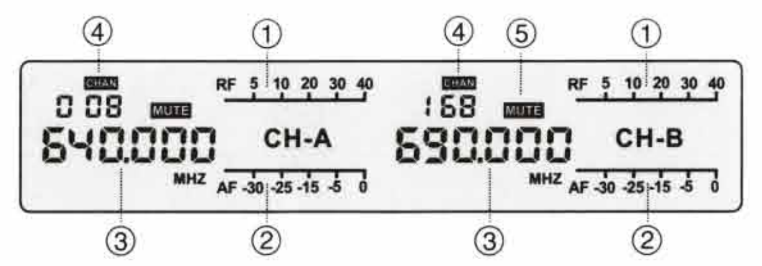
On rear panel of the receiver, there is an" SQ" potentiometer near to antenna, adjust the SQ potentiometer to adjust the host receiving distance, Clockwise to set largest, receiving distance is furthest, the smaller the distance closer. Can set the data up to karaoke installing situation, we suggest you to set the smallest while without string frequency.

Receiver operation

6. Power socket: DC12V500mA power input socket, positive voltage connect with the center of the electrode.
7. Antenna socket.
8. Mix audio output: mix two output signals together.
9. Noise control: If set "-", the shorter distance, lower sensitivity, otherwise.
14. Audio output: suitable for long distance connection, effectively reduce noise due to cable.



Receiver LCD display



1. RF display level: display received RF signal strength.
2. Audio level display: display the audio signal.
3. Frequency menu display: the last six characters display the current operating frequency.
4. Menu display: FREQ light on, display the current operating frequency.
5. MUTE display:.mute light on, means not received RF signal.
6. Ⅰ stands for channel A while Ⅱ stands for channel B

Operation of transmitter

2, HIGH \ LOW POWER SWITCH

In order to adapt to different occasions, the microphone with high \ low power designed.Set power to "H" position, the highest the power, the furthest the distance,(effective working distance is about 200 meters), power consumption is bigger. When the switch to "L" low power position, microphone transmitted power is lowest, the effective distance is about 60 meters(empty), less power consumption. The user can according to the actual situation to choose Settings.

3, INFRARED FREQUENCY:

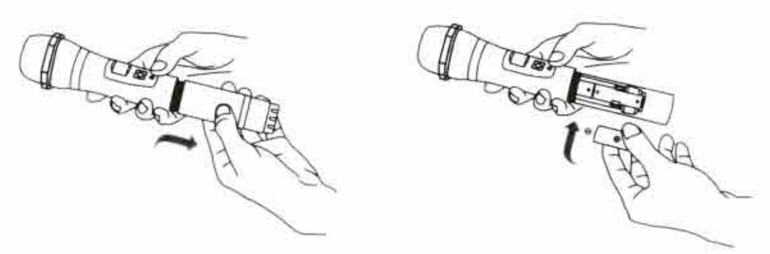
According to the transmitter to SET infrared frequency mode. Open transmitter, hold its LCD display to the receiver IR window, press SET key of receiver to set same frequency.

4, START-UP AND SHUTDOWN OPERATION

Press power button for 2 seconds, microphone display will light up and LCD screen will display related work information, including working frequency (channel), battery level and other information. Pay attention to the battery level when the microphone is switched on. According to the practical situation to check if need to replace the battery. In general, a pair of ordinary No.5 battery can be normal used for 8 hours. When the battery is 1 case, screen flashing shows LOW voltage will prompt "LOW BAT", shows that the battery is about to run out of, please replace the battery. In addition, the display backlight will automatically put out a few seconds after switch on the microphone enter into energy saving mode, if you need to look the screen when the using information, press the power switch can light. Press the power switch for 3 seconds, the display shows "OFF", then the microphone will be turned OFF. When the microphone when not in use for a long time, please take out the battery to protect circuit board.

5, INSTALLATION, THE MICROPHONE BATTERIES

Handheld microphones out of the packaging, unscrew the tail cone, according to the polarity to labeled into 2 section No.5 battery, and then turning the tail cone.



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Packing type: conventional color box packaging (see sample)

Operation method and attentions

Operation method:

1. Connect the audio system well;
2. Set the volume of the receiving machine and the loudspeaker to mix;
3. Turn on the power of the audio system from mixer to power amplifier.
4. Turn on the power of the transmitter;
5. Adjust the audio effect of the audio system: firstly, adjust the volume of the receiving machine to the middle point, turn on the microphone, talk directly forward the microphone, fit the volume secondly,adjust the tone, volume controller carefully and make the voice clear and the volume suitable. Add the transmitter and experience the "on show" process;
6. There are some problems with receiver .Please check this user manual to find out and solve the problem. If the problem can not be solved, please contact the technician or sales.
7. After using, please turn off the power of the transmitter, than turn off the power of all the audio system from power amplifier to mixer.

Attentions

1. The antenna location will effect the receiving signal of receiver, so pay attention to the installation method. The most important principle is that keep shortest distance between the microphone and the receiver.
2. Avoid putting the receiver near the computer or other equipment which can produce RF signal.
3. Avoid putting the receiver to the lowest exclude install antenna far away.
4. This receiving system can fill 200 microphones use at the same time, and it could be set different frequency by professional technician.
5. When some wireless systems are used at the same time, pleas pay attention to the setting of " SQ"of the receiver. The lower the sensitivity, the shorter the working distance. It is better to set "SQ" state.

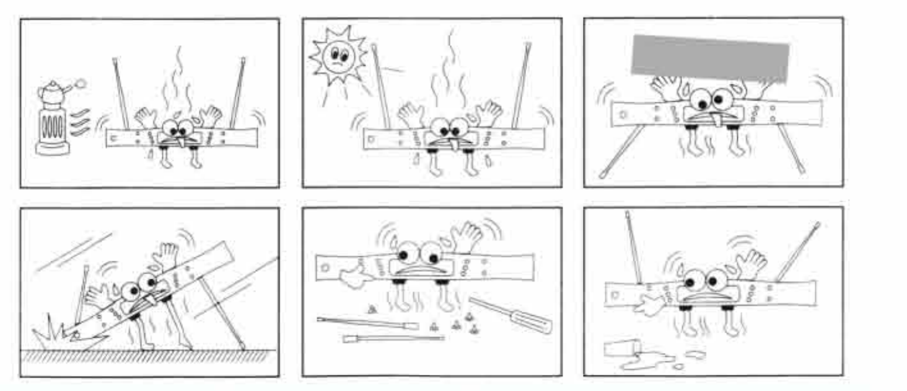
Thanks for purchasing our wireless microphone. With several rich experience of producing microphone systems. We are confident to say we are the expert of manufacturing wireless microphone systems. Our products are suitable for KTV,stage, school, stadium and so on. Our products are with high quality and interested in many customers. We supply best best and great quality for our customers. Our professional engineers can help you to solve all the problems.

Warning: Anyone can not open the device but the profesinal technicians.

CONTIONS ⚠
Please do not open the device.Technicians are always the only persons to sort out any technical operations.

⚠ Strictly operated as user manual

Read carefully about safety and manipulation requests.
--Prevent water, metal, combustible or other objects from falling, avoiding fire or electronic shock.
--All safety and operating instructions should be read before the product is operated.
--Please keep this user manual for reference.
--Power cord protection: Protect the power cord from being crushed, especially the power plugs.
--Humidity: The unit should far away from water.
--Temperature: Do not install near any heat sources. Such as radiators, stoves, heating resistance or other apparatus that produce heat.
--Electronic shock: Be careful that no objects fall or liquid is spilled inside the unit through ventilation openings.
--Cleaning: Do not use volatile liquid. Such as alcohol, paint thinner, gasoline and so on. Clean only with dry cloth.
--Smelling: All suspicious burning smells or smoke, please power off and pull out the plugs.



Do not operate our baby of the situations as above! Only professionals can disassemble and assemble the system!