

Intelligent induction microphone system

User manual



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

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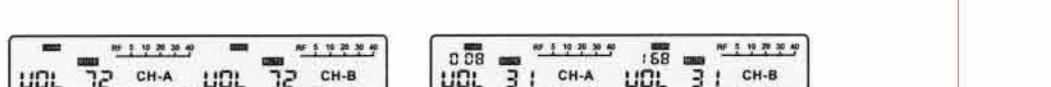
OWNER'S MANUAL

Digital pilot receiver operation

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

Operating mode as follows:

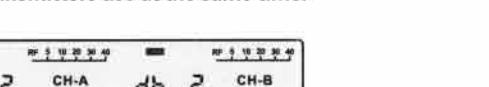
Power off, press left and right '+' together, then turn on the receiver, LCD display "VOL", press '+' to set MAX volume. Press "SET" twice to save and exit. Factory MAX volume is "72", the bigger of number, the louder of the volume.



2. FEEDBACK FUNCTION

The way enter into menu is same to item 1. Press left and right '+'s, 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

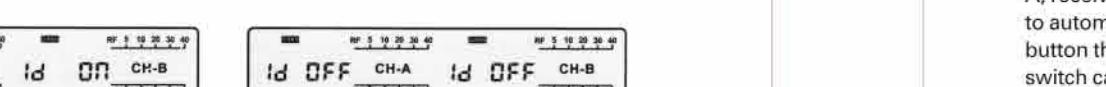
4. Receiver, LOCK AND UNLOCK

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 ID identification menu. LCD screen display "IDON", press "up" or "down" to change. "IDON" is normally 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, set once again.

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 "negative" and the "positive" pole of the battery confused. Check the connecting situation. Make sure that there is no block between the antenna and the transmitter.
No voice(situation:RF display is normal; AF display is normal)	Check if the voice of receiver is on the lowest place. Check the connecting between the loudspeakers and receiver are normal.
No voice(situation:RF display is normal; AF display is un-normal)	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 gitar or other electrical instrument. If both of the transmitters are using the same frequency, check it and close one of them. maybe the signal is too immens, 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 "SO" 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; Adjust the position. Locate the receiving machine over again and have the "on-show" experiment. Observe the RF display.
Can not open the transmitter.	If you have 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.



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 ~ 50-60 Hz 12VDC power adapter (switch)
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 that 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:

- 1) Use tesco 5 batteries, can keep up to 6-10 hours.
- 10) Use tesco 5 batteries, can keep up to 6-10 hours.
- 11) Adopts unique design of booster battery, will not affect the stability when battery use out.
- 12) Working distance is about 80 meters, suitable for all kinds of requirements.
- 13) Adjustable transmission power and noise threshold, after receiver panel is set external noise control knob, can be in 10 meters

9) Special mode circuit design, completely eliminate the noise of microphone turns on or off.

8) UHF frequency band, phase-locked loop (PLL) frequency synthesis

7) 100 ~ 2 channels, spacing 250 KHz

6) Superheterodyne secondary frequency conversion design, with extremely high receiving sensitivity RF part adopts multilevel high-performance medium filter, good anti-interference ability, the first middle frequency acoustic filters, the second middle frequency use level 3 ceramic filter, very good to improve the anti-interference ability

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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.

17) IR automatic frequency function, solve KTV rooms string frequency

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