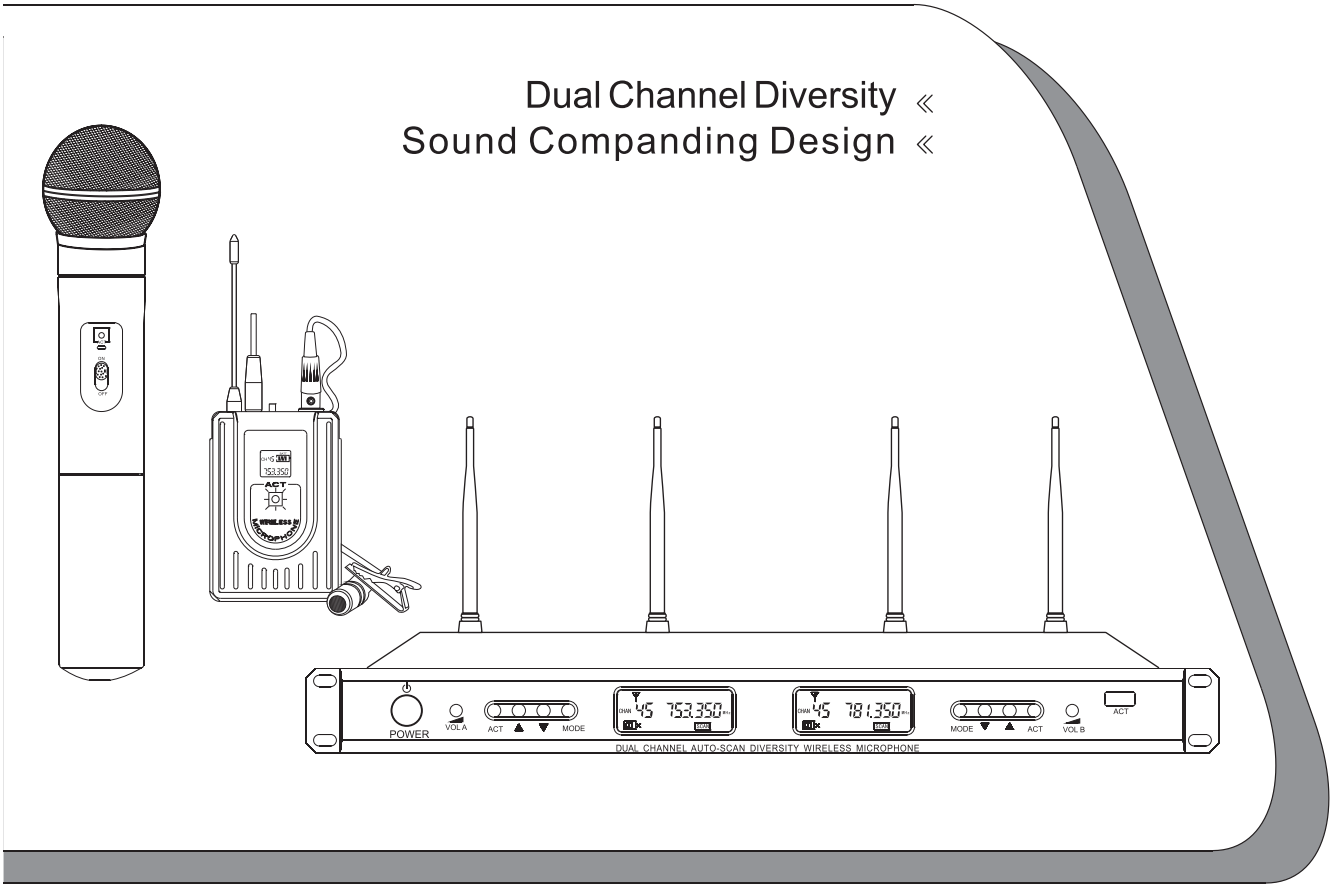
# Wireless Microphone and Receiver
# Owener's Manual




**Please study manual instruction carefully before installation and use**

Thanks for your trust and support to our products.
Notwithstanding the fact that such equipment is manufactured under the highest and strictest technological conditions, usage of the said must be in strict accordance and instruction as spelt out by the manufacturer.

## A:Gentle Reminder

Risk of electronic shock! Do not attempt to open for self-repairing, by doing so, the distributor may have the right to refuse repairing even under warranty period. If signal is shown interrupted and distorted, please switch to other channels.

## B:Cautions

1) Keep the receiver away from dead corner for good receiving
2) Do not throw break or flap the microphone for protection
3) Non-waterproof. Protected from water or other liquid
4) Keep away from electromagnetism high-vottage or large metal
5) Risk of electronic shock, do not open
6) Turn off the power when change battery, recycle the disuse battery
7) Take out the batteries if you will not use the machine for long time for protection
8) Cut off the power if you not use the machine for long time
9) Keep not less than 50cm distance around the machine for ventilation
10) Don't locate any remora on the intake for ventilation
11) Do not locate any flame or fire on the machine
12) Stop use if the machine been broken or entered anything abnormal, call the local dealer or public service center
13) Do not open yourself or you'll lose guaranteed repair
14) Only for temperate or torrid zone

## Maintenance

Remember to turn OFF all power before cleaning the receiver. Recommend to use soft cloth with medium flush liquid and avoid volatile gasoline or other strong chemical liquid or washing detergent. It might damage to the receiver.

## C:General Features

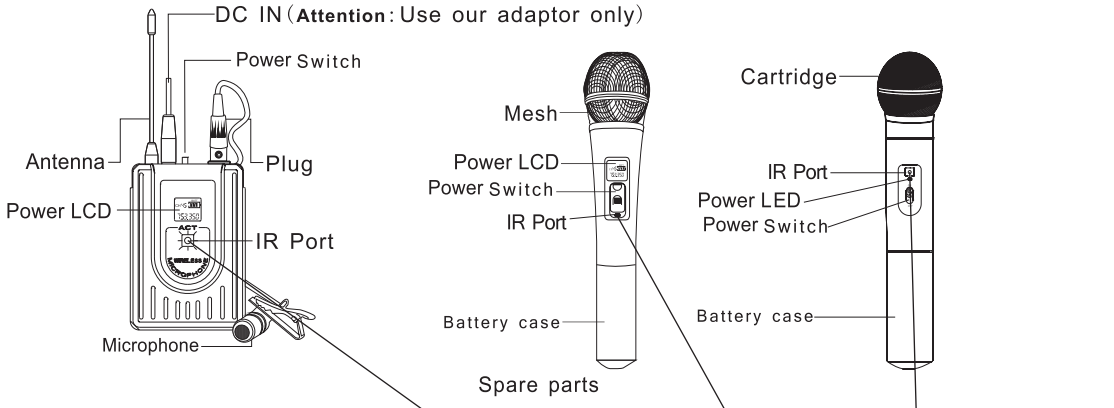
Traditional wireless microphone is being interrupted easily because of the low signal frequency designed and especially the harmonics wave from digital equipment such as CD/VCD/LD or even mobile phone! The receiver's squelch circuit, analyze the strength of the RF signal, but the RF cannot distinguish the required signal and noise. In the noisy RF environment or the signal of the transmitter becomes low, the traditional squelch circuit may be turned on suddenly, making the receiver sends out strong noise. In order to solve the problem, we designed this series of UHF dual channel auto-scan diversity band professional wireless microphone and receiver. It uses our highest and strictest technical measure for improving frequency, advance high and medium frequency filter. Moreover, we also create a digital anti-noise circuit.

## D:Unique design

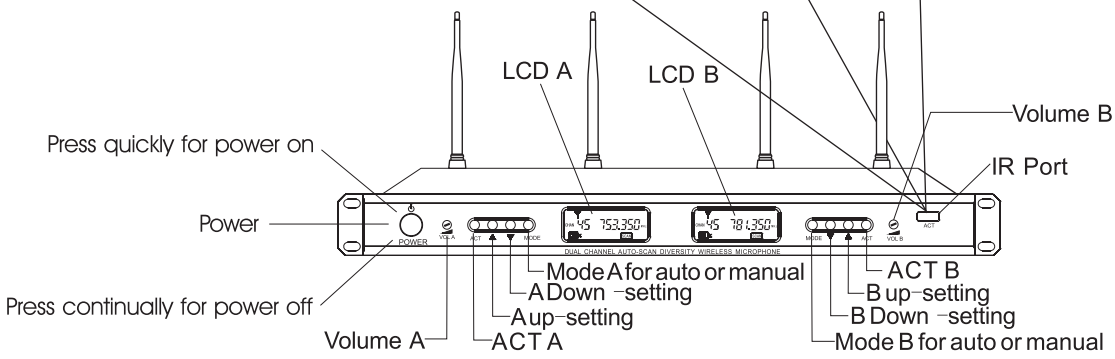
▲ ACT circuit, search for the undisturbed channel automatically.
▲ PLL circuitry,UHF740-860MHz, large frequency range to switch and avoid interference
▲ Sensitive receiving system and true diversity
▲ Adopt filtering circuitry to avoid distorted signal
▲ Within boost regulator design
▲ Perfect power indicator for charging and capacity
▲ Adopt noise eliminating circuitry
▲ Expand effective range
▲ Restrain any noise or scream
▲ Multi-Level noise supervisory circuitry with anti-interference
▲ Frequency is designed according to the sound characteristics
▲ Pronunciation code locked, useless signal locked, Double Mute Control and resolve disturb
▲ 200 frequencies available. Recommended for Pub, Lounge, Family Karaoke, KTV, School, Conference and etc.
▲ 100 meters in the best condition,80 meters in normal condition(this receiver is with receiving distance adjustment for selection)

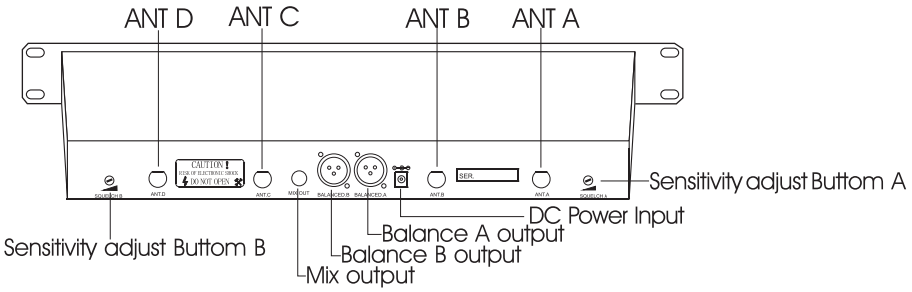
## E:General Product Description

### A) UHF wireless microphone




### B) RECEIVER






**Attention**:Pictures maybe different from the actual products, please take the product as standard.

## F: User Guide

1) "POWER" key: press the "POWER" quickly for "power on"; press the "POWER" continually for 0. 8 sec to power off.

2) MODE:alternate between manual and auto.It is auto mode when the SCAN displays, otherwise manual mode. The frequency and channel can be set manual by UP-SETTING or DOWN-SETTING.Under manual mode.The system will research the non-disturb frequency upwards or downwards automatically under auto mode.The SACN will flash till the non-disturb frequency appears,Then the ACT will flash,in that moment,turn on the transmitter with its IR Port face to receiver's.The system will communicate automatically. (Note:the distance between receiver and transmitter should be within 50cm. )

3) "ACT": Auto-channel-targeting. press the key, "ACT" flashes, the system will research and communicate with transmitter by infrared. The transmitter will target the channel automatically and stop researching (Noise cancellation) until all the transmitter get simultaneous with receiver, then it will exit, if the communication is OK. The receiver will exit if it can not reaearch any transmitter after 12 circulars. ACT can be stopped by any key . During the research, the transmitter infrared port should aim at the receiver infrared port, and the transmitter must be "ON" .

4) "UP ▲" "DOWN ▼": press the key, the channel will be adjusted upwards, or downwards, press the key for 0. 5Sec. , the system will auto-adjusted upwards or downwards circularly.

5) The frequency will memorized automatically when you turn the receiver off.

6) Adjustment for sensitivity: clockwise movement for min receive distance while counter-clockwise for max receive distance.

**Gentle Reminder:** Keep the receiver more than 1 meter from the ground and away from the wall; install all antennas to achieve perfect performance.

## G:UHF wireless microphone

1) Open battery cap, insert 2 X AA 1.5V or rechargeable batteries inside battery compartment. Please make sure if the battery polarity is in correct position.
2) Turn microphone to ON position, if there is no display on LCD, please check the battery polarity or voltage.
3) Change the switch to MUTE, receiver will cut audio output and restrain noise.

## H:Transmitter LCD

1)CH45:Channel 45.there are up to 99 frequencies available for each channel.

2) 753. 350 : the present using frequency is 753. 350MHz


Battery power situation,totally4status,Power full,60%power capacity;

40%power capacity;10%power capacity,nearly power off,should change another battery.

## I:Trouble Shooting

| Malfunction | Reason & Disposal |
|---|---|
| No LED lights when you turn on the power | Check if the cable is plugged correctly and the power on, check also the fuse; |
| LED lighting but no voice output | Check if the volume is turned on to the minimum or the plug is inserted correctly; |
| Receiving range getting closing and signal getting instability; | Check if the antenna has moved out, or the receiver is in a wrong position (on the ground or at the corner), or near a magnetic field; |
| Sound become different | Check if the battery has run out, or there's the same frequency round, or there're 2 sets of same products working at the same time and same place (pleae keep at least 100 meters). |

*If malfunction occurs , please contact our dealer or our company as soon as possible , DO NOT open to fix by yourselves , we will serve for you with all sincerity.

## J:Technical Specification

### 1) FUNCTIONS

| | |
|---|---|
| Frequency Range: | UHF 614-698 MHz |
| Frequency Stability: | ≤± 50ppm |
| Operating Range: | >100dB |
| Distortion: | ≤0.3% |
| Frequency Response: | 40Hz-20kHz |
| Tone Output: | Independence 0-150mV<br>Mixed 0-150mV |

### 2) RECEIVER

| | |
|---|---|
| Power Supply: | AC220V~±10% (50Hz/60Hz) (Please follow the stated marks on the receiver or adaptor)<br>AC110V~±10% |
| Operating voltage: | DC12V⎓1. 2A |
| Use Up Power: | 10W |
| S/N Ratio: | >98dB |
| Feint Disturbing Ratio: | >80dB |
| Channel Disturbing Ratio: | >80dB |
| Sensitivity: | ≤5dBuV (S/N≥20dB) |
| Extra Weight: | 50uS |

### 3) TRANSMITTER:

| | |
|---|---|
| RF Power Output: | Max 1mW |
| Modulation: | FM |
| Max Modulation: | ±60kHz |
| Higher Harmonic: | 40dB lower than the Datum wave |
| Battery: | 3V(2XAA1.5V) |

Remarks:Because the product is continuously improving, specification may change.Please forgive us not to inform you.

FCC STATEMENT

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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 statement:

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