

**WIRELESS MICROPHONE SYSTEM**

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**User's Manual**

## FOREWORD

Thank you for purchasing our excellent wireless microphone series products, Please read this instruction carefully before you operate the product Please keep this instruction after reading as a reference in the future. This professional series wireless microphone system uses an efficient American, low consumption discharging technique with a super sensitive VHF high band frequency receiver and controlled with 15ppm crystal, a put on and put off to hit noise and digital control circuit, resist reverberation circuit and changed output controlled slowly, balance output and mix output ect. And designed by a computer EDA system and finished on its item named pattern line, Introduced advanced computer plugin unit technology and high&low wave spray weld technology, and adopted series international advanced equipment. Every system is available to an excellent electric function by Q.C. controlled strictly.

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### Packing list:

1. Receiver:1 set
2. Hand held mic or clip mic:2 pics
3. Audio connection cable
4. 9v battery :2 pcs
5. Manual

(Clip mic can be replaced by headset microphone)

## FEATURES

Wide frequency response---digital control circuit. Resist disturbing strongly. Be standing by noises output to zero.

Super silent function, low T.H.D. so the bass is rich, median is brightness and alt is clear.

No hitting when putting on the switch, so can protect the amplifier and speakers.

With a complete working state and Hand-held microphones power level indicating. (The signal lamp shine continuous that to replace the battery.)

With a wide using range for over 50m in a good surrounding, for 30m in a duplicate one

A double-way channels designed, two hands holding each two microphones at the same time to sing without any disturbing caused by.

Series output circuit design that can connect with two or over two adjustment audio stage or amplifier system.

Uniform cardioid pick up pattern isolates the main sound source and minimizes background noise.

Effective, built-in spherical resisting wind and pop filter in microphone system.

Choose high quality pickup and components, so that its timbre will be very good.

With audio compressing-expanding technology, the machine can lower noises and increase the dynamic range.

The receiver use the field effect of the enlarge and the superhigh sensitivity, so it has high sensitivity.

Used in the entertainment places as a larger and a middle stage, karaoke hall or at home etc.

## SAFETY GUIDANCE

**READING GUIDANCE:** Must read the safety and operating guidance before using this product.

**STORING GUIDANCE :** Keep this instruction in a safe place in order to use it again as a reference in the future.

**WARNING:** Pay attention to the warning on operating about this product.

**ABIDING BY THE GUIDANCE:** Please abide by all operating and using required.

**USING&STORING:** Don't place the product in a high moist and a high electro-magnetic place, or in a sunshine shines directly and a high temperature surrounding. If do not use it for a long period, please put out the Power plug. And withdraw the battery from the microphone at.

**CLEANING:** Must put out the power plug before you clean this unit, But do not use the volatility gas, diluent liquid and other Chemical medicine.

**ACCESSORIES:** Please use the accessories made by the manufacture factory or ones qualified by them.

**POWER:** The power of this unit is only available to the standard on label listed. Please confirm whether is can use in the voltage range in your zone.

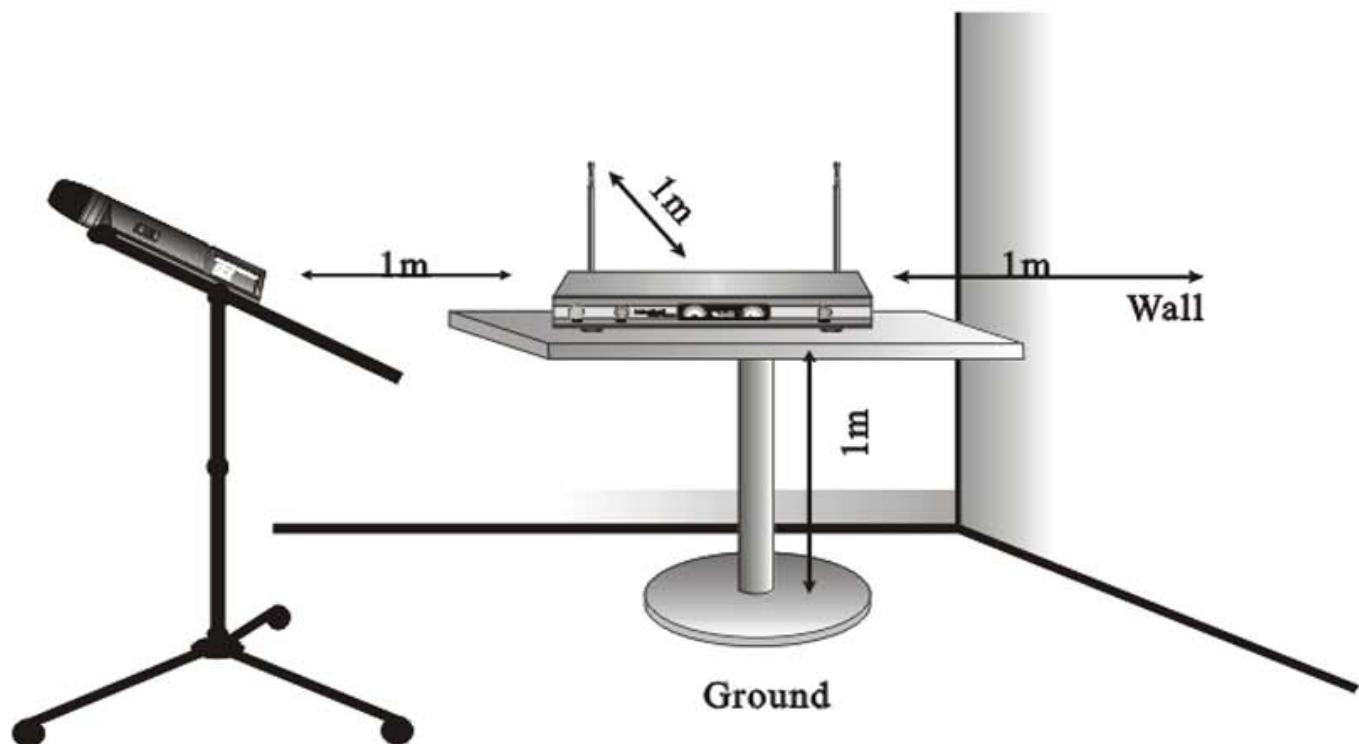
**MAINTENANCE:** Don't maintain it by yourself. Maybe be shocked by the dangerous voltage when you open the outer shell. Should be Maintained by a qualified repairer.

**PARTS CHANGED:** If some part need to be changed, should be matched with the specification of manufacture or used original one. Or causes by making fire or other danger as shock ect.

**SAFETY CHECKING :** If the machine has broken down or worked with low function, please ask a professional repairer to adjust it, but please don't open the outer shell to adjust it by yourself, should it be destroyed. Or please contact with the agent in your local. They will serve you sincerely.

## SYSTEM OPERATION GUIDANCE

To achieve the best effect, the receiver must be 100 cm away from the ground. The microphone is also kept 100 cm apart from the antenna. In addition, don't use this system near computer or strong magnetic and noisy environment.

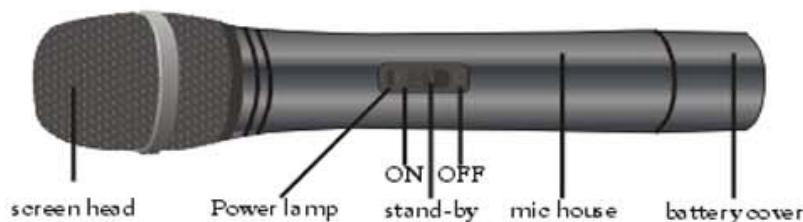


### Caution:

1. The position of antenna influences the effect of receiving so the straight line distance must be the shortest from mic to receiver and no barriers between them.
2. Several receivers can be used at the same time. but match frequencies (pls contact manufacturer or dealer).

## A02 HANDHELD MICROPHONE OPERATION

1. Unscrew the cover of battery case in counter-clock wise direction. Install the 9 v battery as below.
2. Put the switch to “ on ” position, the signal lamp will shine at that time, if it does not shine, please check with the polarity of battery or test the power of battery. Caution: standby function is between “ on ” and “ off ” of the power switch, standby status, the mic is still with power, but it don’t pick up while can resist the noise.
3. Please take away the battery if don’t use the system permanently.



## A03 HANDHELD MICROPHONE OPERATION

1. Install the 9 v battery correctly as below.
2. Put the switch to “ on ” position, the signal lamp will shine at that time, if it does not shine, please check with the polarity of battery or test the power of battery. if the lamp keep “ flashing ”, that means the battery is being powerless, please replace the new battery.
3. You can control the sensitivity switch in different environments. “ A ” with high sensitivity is suitable for speech and conference. “ B ” is applicable to Karaoke and concert.
4. please take away the battery if don’t use the system permanently.



## B01/C01 CLIP MICROPHONE OPERATION

1. Install the 9 v battery correctly as below, check with the polarity must be in right direction
2. Put the plug into socket and make it tight
3. Put the switch to “ on ” position, the signal lamp will shine at that time, if it dose not shine, please check with the polarity of battery or test the power of battery if the lamp keep “ flashing ” which means the battery is being powerless.
4. put the switch to “ stand-by ” position, the microphone doesn’t pick up while can resist noise
5. Adjust the sensitivity knop in right position on need (make sure no whistle)
6. Please take away the battery if don’t use the system permanently.



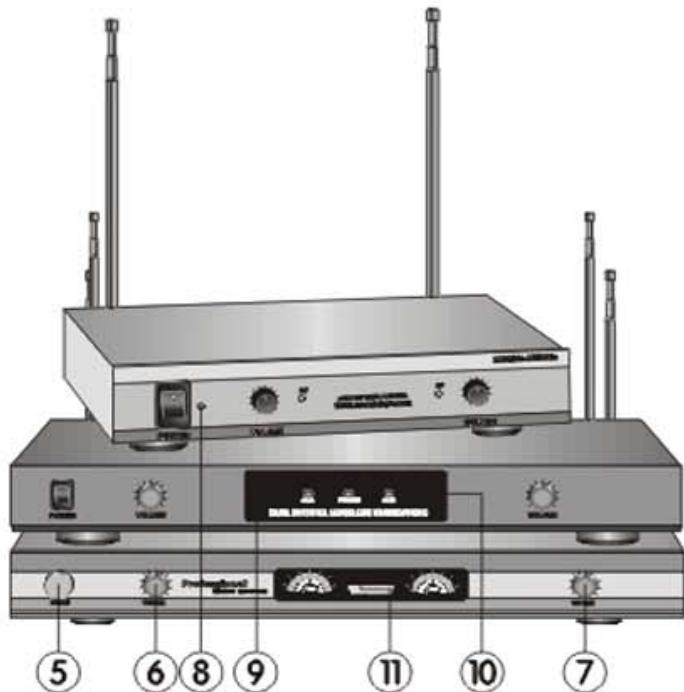
can be used with receiver

## DUAL CHANNEL RECEIVER OPERATION A

1. Put the power plug to the power socket and make sure power voltage shoud be 220v/50hz
2. Put on the power switch, the power lamp will shine.
3. Pull out antenna A and B, adjust them to be 90 angle with the receiver.
4. Link of audio output

Autom atic audio output is applicable to this system, if mixing out is needed, simply connect a single audio output cord with one of the output sockets. Provided independent output is preferred, can only link with another audio output cord another mixing balance output socket can be used on need.

5. Turn on the microphone, the "signal lamp" shines. Volume can be controlled with the volume knop.
6. Do not connect with the power if don't use the system permanently.



- ① ANTENNA
- ② CH B AF OUT
- ③ CH A AF OUT
- ④ POWER SOCKET
- ⑤ POWER SWITCH
- ⑥ CH A VOLUME KNOB

- ⑦ CH B VOLUME KNOB
- ⑧ POWER LAMP
- ⑨ CH A SIGNAL LAMP
- ⑩ CH B SIGNAL LAMP
- ⑪ VFD DISPLAYER
- ⑫ MIXING OUT



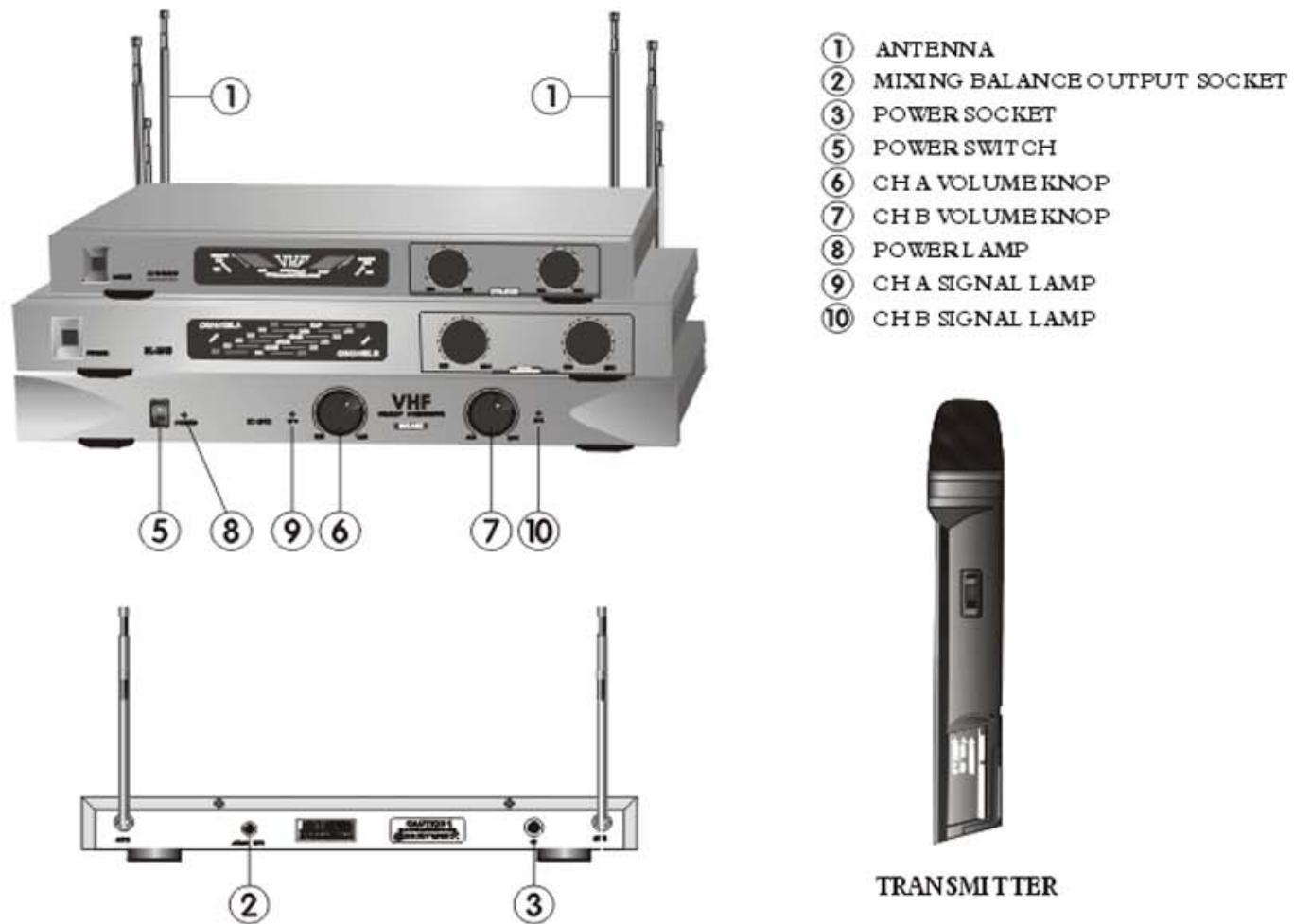
TRANSMITTER

## DUAL CHANNEL RECEIVER OPERATION B

1. Put the power plug to the power socket and make sure the power voltage is identical to the voltage available when you will use the equipment.
2. Put on the power switch, the power lamp will shine.
3. Pull out antenna A and B, adjust them to be 90 angle with the receiver.
4. Link of audio output

Automatic audio output is applicable to this system, if mixing out is needed, simply connect a single audio output cord with one of the output sockets. Provided independent output is preferred, can only link with another audio output cord another mixing balance output socket can be used on need.

5. Turn on the microphone, the "signal lamp" shines. Volume can be controlled with the volume knob.
6. Do not connect with the power if don't use the system permanently.

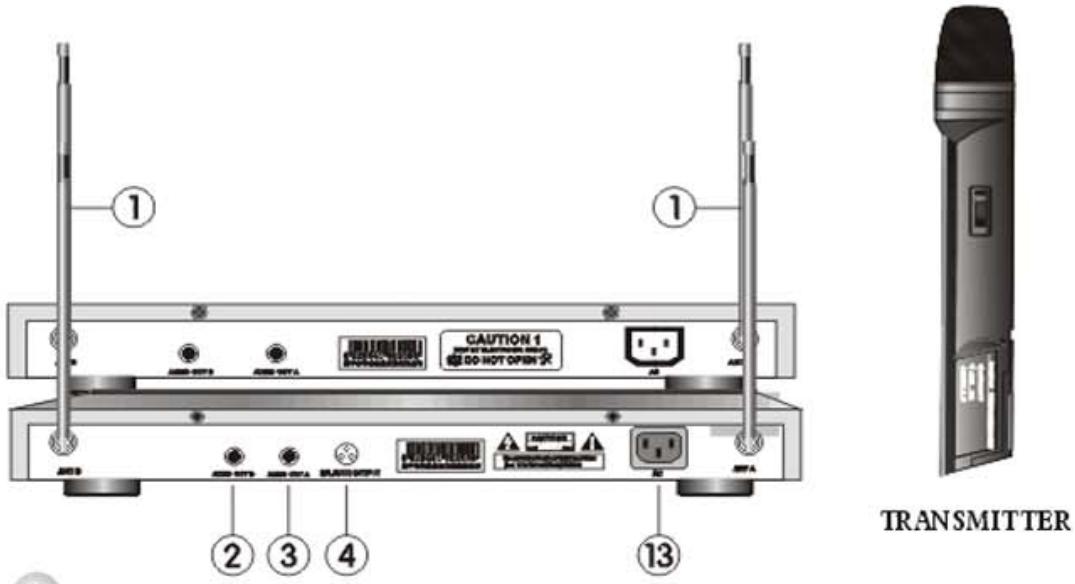
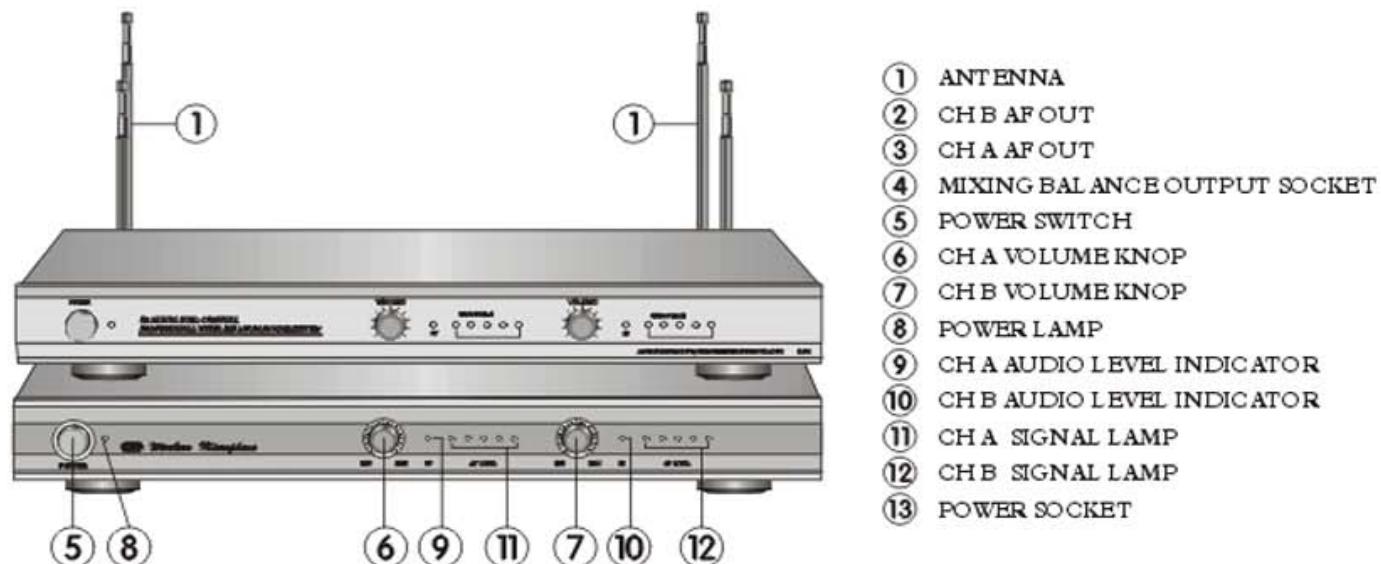


## DUAL CHANNEL RECEIVER OPERATION C

1. Put the power plug to the power socket and make sure power voltage should be 220v/50hz
2. Put on the power switch, the power lamp will shine.
3. Pull out antenna A and B, adjust them to be 90 angle with the receiver.
4. Link of audio output

Automatic audio output is applicable to this system, if mixing out is needed, simply connect a single audio output cord with one of the output sockets. Provided independent output is preferred, can only link with another audio output cord another mixing balance output socket can be used on need.

5. Turn on the microphone, the "signal lamp" shines. Volume can be controlled with the volume knob.
6. Do not connect with the power if don't use the system permanently.



## MICROPHONE

RF POWER OUTPUT: <30mW(MAX).  
SPURIOUS EMISSIONS: Over 45dB carrier wave.  
ANTENNA : Built in.  
MICROPHONE ELEMENT: Unidirectional dynamic microphone.  
BATTERY : Standard 9V battery.  
CURRENT CONSUMPTION : About 25mA.  
BATTERY LIFE: Over 8 hours continuous operation.  
DIMENSIONS: 52(D) x 247(L)mm  
WEIGHT: 227gs.

## RECEIVER TECHNIQUE TARGET

VOLTAGE: AC 220 V/50Hz  
CONSUMED POWER: 3 W  
S/N RATIO: >80 db  
SENSITIVITY: 60dB S/N(12dB U)  
FEINT INTERFERENCE RATIO: >70db  
FREQUENCY INTERFERENCE RATIO: >70 dB  
OUT PUT LEVEL: 0-2V

## OVERALL SYSTEM

CARRIER FREQUENCY RANGE: VHF  
high band 176.805–212.105MHz  
FREQUENCY STABILITY:  $\pm$  0.005%  
MODULATION MODE: FM  
MAXIMUM DEVIATION RANGE:  $\pm$  10KHz  
FREQUENCY RESPONSE: 40Hz 20KHz  
S/N RATIO: >800dB  
AUDIO DYNAMIC RANGE: >80dB.  
T.H.D:  $\leq$  0.5%.  
SERVICE AREAS: 50 meters.  
TEMPERATURE RANGE: -10 °C ~ 50 °C

### REPAIR WITH SIMPLE FAULT

#### PHENOMENA

1. Turn on the receiver, but the indicator is not lighted.
2. When you speak toward the microphone, the CHA or CHB power indicator is shining, but no sound output.
3. The effective signal-receiving distance become close and signal receiving is not well.
4. Timbre becomes bad.

#### CAUSE

1. Make sure if the power cable is well fixed. Is the socket in a good condition? Is the fuse blown?
2. Make sure if the volume keep in lowest place, or the audio cable is not fixed well.
3. Perhaps you have not put out the antennas or should change a new battery. Perhaps the receiver is not put in right place or there is a strong magnetic field in your surroundings.
4. Perhaps the voltage of the battery is not enough. You need change the battery. Or perhaps there are the same frequency signals in your surroundings. Do not use two machine with the same frequency at the same time in a place. (Separate them at least 100m)