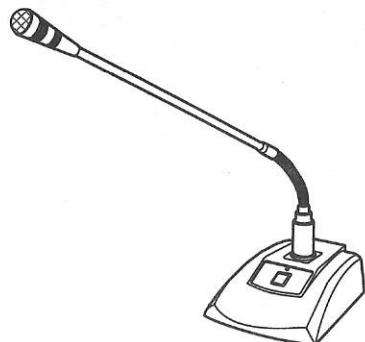
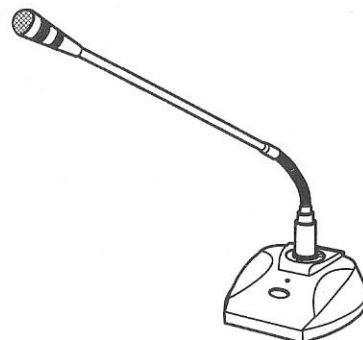


PROFESSIONAL WIRELESS **CONFERENCE** MICROPHONE SERIES

OPERATION INSTRUCTIONS

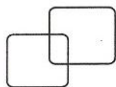


MODEL:610



MODEL:630

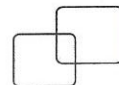
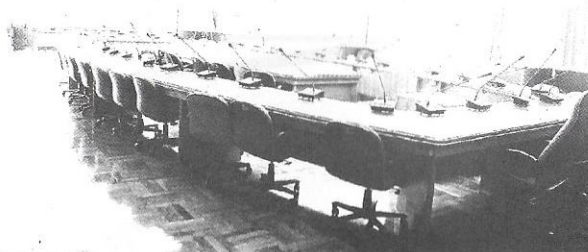
This instruction manual includes several types of microphone and receiver. Read the relevant chapters according to the type before usage. Keep it for future reference.



Foreword

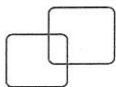
Thank you very much for choosing our company's professional wireless conference microphone system. In order to make full use of the product, we highly suggest you read the instruction manual before usage.

This series of professional wireless conference system is adopt VHF. VHF have strong piercing power, long distance effective, low power consumption and other characteristics.



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1.Features

1. Multi-level high quality sound surface wave filter with high quality of anti-interference.

This series of products has high quality of frequency selection.

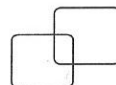
2. Professional audio output: XLR balanced output and ϕ 6.3 unbalanced output.

This series of products are all adopt XLR balanced output and ϕ 6.3 unbalanced output, independently or combined, fitting in all kinds of equipment connection and avoiding the chaos and embarrassments caused by equipment unmatched.

3. Auto-mute and noise muffler circuit, eliminating the noise of turning on and off the machine.

4. Adopt highly reliable SMT production.

This series of products use high quality of components, apply SMT production, select only the high quality end-product.



2.Safety instructions

- Read this instruction manual.
- Keep this instruction manual for future reference.
- Follow all instructions in this instruction manual.
- Do not place the product near any heat sources such as radiators, stoves, or other devices that product heat. If you are not going to use the product for a long time, pull out the battery. Do not throw or drop the product in case it causes severe damages.
- Be aware of the supply voltage. Only the supply voltage listed on the instruction manual fits the product.
- Only use accessories specified by our company.
- Never open the device. If devices are opened by customers in breach of this instruction, the warranty becomes null and void. Turn to the professional mechanic or local dealer for help if there is something wrong with the product.
- If components are needed to be replaced, replace them with original components produced by our company.
- Attention Leave the devices the minimum space of 30 mm for proper ventilation.
Do not cover the vent with newspapers, cloths, curtains, etc.
Do not place the devices near fire or water.
Only professional mechanic can assemble the devices if it is labeled with hazard warning sign.
Recycle the replaced battery.
The devices can be used in tropical or temperate Regions.

※ If the device is not going to be used, turn it off.

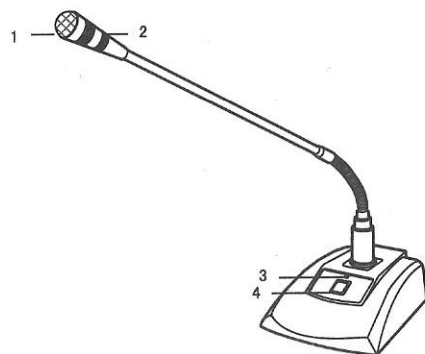
3. Operation instruction for emitter 610

3.1 Operation instruction

1. Open the bottom battery compartment and insert 9V batteries. Be aware of the positive and negative electrodes.

2. Touch the power switch. The light will be on which means the device is in functional mode.

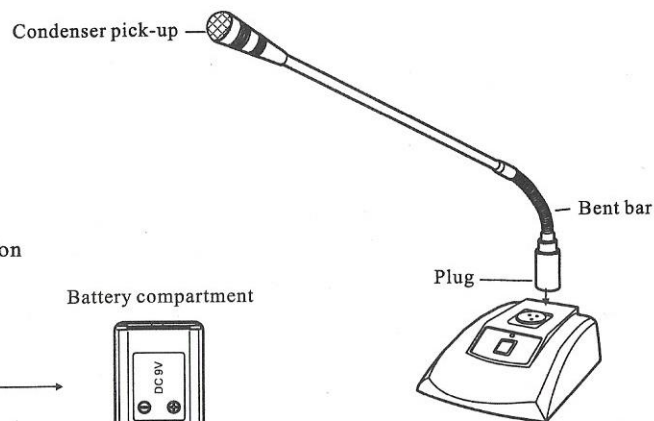
3. Touch the power switch can turn off the microphone.



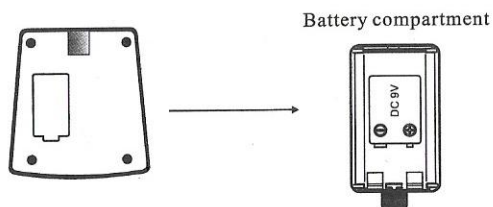
1. Microphone head 2. Lamp ring
3. Power/UV light 4. Power switch

3.2 Emitter function instruction

3.2.1 Installation graphic instruction



3.2.2 Battery install instruction



CAUTION: BE AWARE OF THE POSITIVE AND NEGATIVE ELECTRODES! IF THE DEVICE IS NOT GOING TO BE USED, PLEASE TAKE OUT THE BATTERIES.

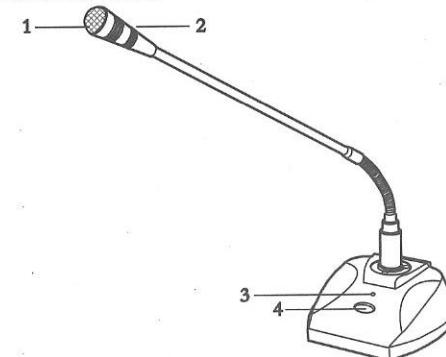
4. Operation instruction for emitter 630

4.1 Operation instruction

1. Open the bottom battery compartment and insert 9V batteries. Be aware of the positive and negative electrodes.

2. Touch the power switch. The light will be on which means the device is in functional mode.

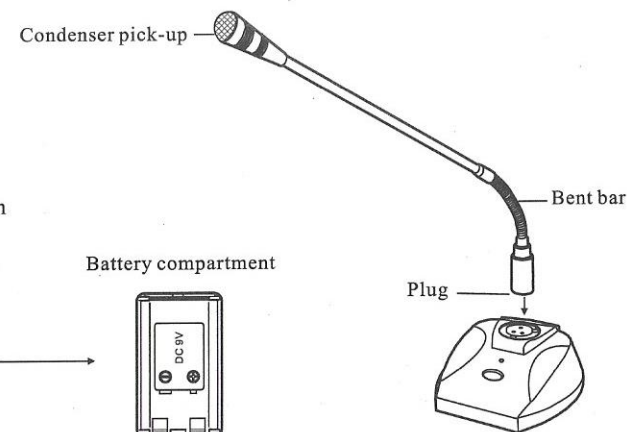
3. Touch the power switch can turn off the microphone.



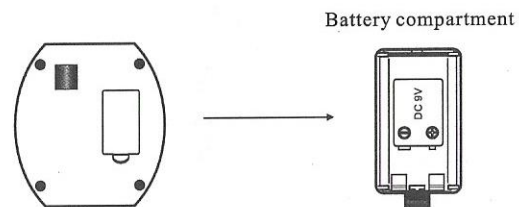
1. Microphone head 2. Lamp ring
3. Power/UV light 4. Power switch

4.2 Emitter function instruction

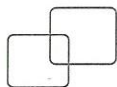
4.2.1 Installation graphic instruction



4.2.2 Battery install instruction



CAUTION: BE AWARE OF THE POSITIVE AND NEGATIVE ELECTRODES! IF THE DEVICE IS NOT GOING TO BE USED, PLEASE TAKE OUT THE BATTERIES.



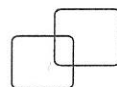
5. Operation instruction for receiver

5.1 Working environment requirement for receiver

Connect the receiver with antenna and adjust the antenna to vertical. Note that metal, wall, ceiling, human body will weaken the emitter's signal. For best effect, please follow the rules. The emitter should be placed as near the spot as possible. Keep the minimum distant of 1.5m with metal, wall, scaffold, ceiling, etc. Make sure the emitter and receiver are accessible straight forward.

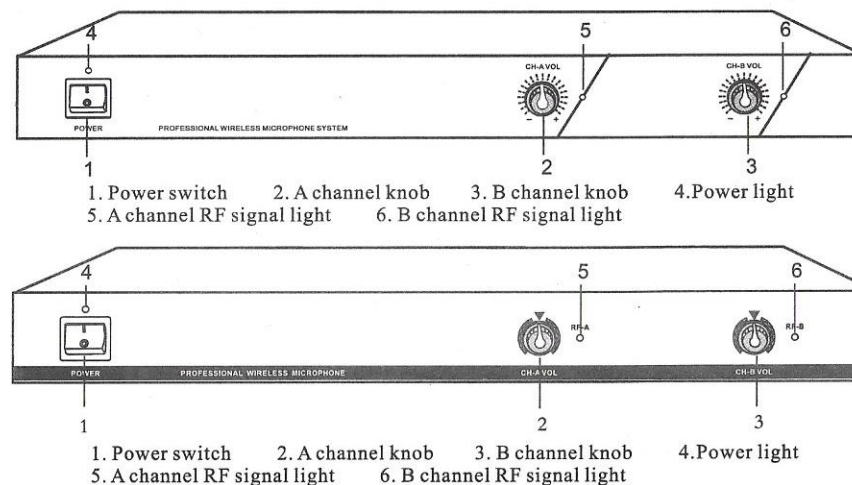
5.2 Operating procedure

1. Connect the electricity supply.
2. After turning on the receiver, the LCD screen will show the working parameters.
3. Connect the receiver's MTX OUT and MIC with audio connecting line. Adjust to reasonable volume.

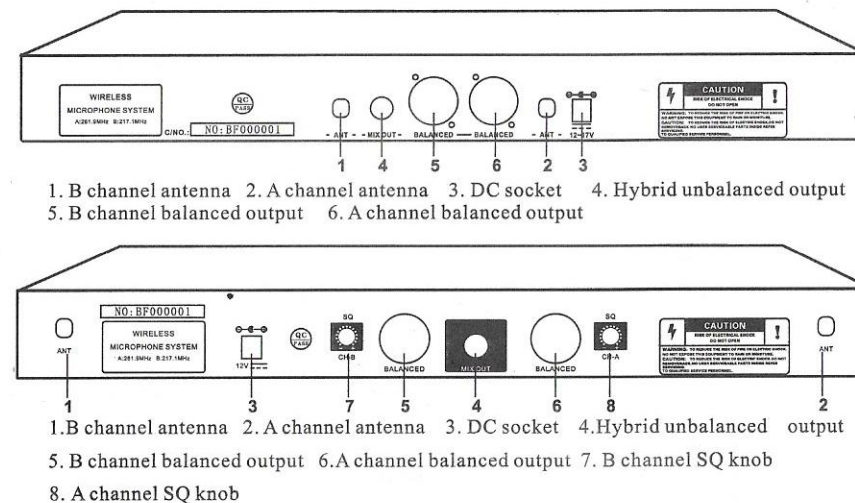


6. Two-channel receiver

6.1 Front panel of two-channel receiver

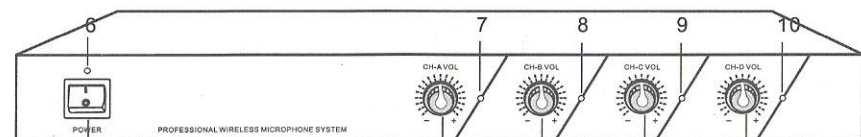


6.2 Back panel of two-channel receiver

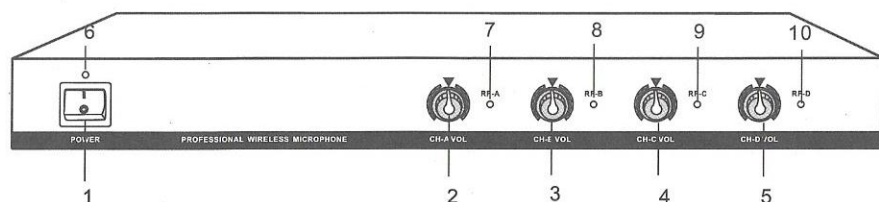


7. Four-channel receiver

7.1 Front panel of four-channel receiver

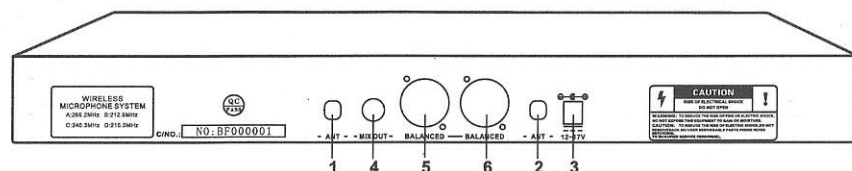


1. Power switch 2. A channel knob 3. B channel knob 4. C channel knob 5. D channel knob
6. Power light 7. A channel RF signal light 8. B channel RF signal light
9. C channel RF signal light 10. D channel RF signal light

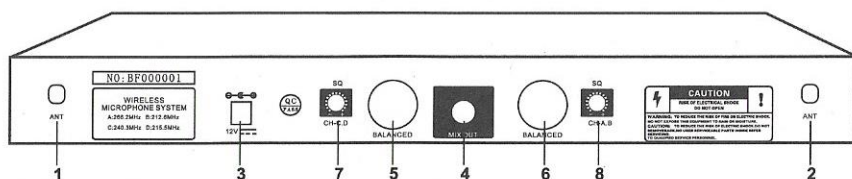


1. Power switch 2. A channel knob 3. B channel knob 4. C channel knob 5. D channel knob
6. Power light 7. A channel RF signal light 8. B channel RF signal light
9. C channel RF signal light 10. D channel RF signal light

7.2 Back panel of four-channel receiver



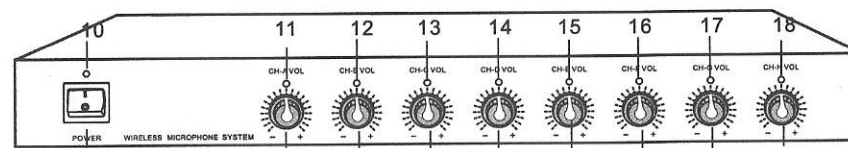
1. C.D channel antenna 2. A.B channel antenna 3. DC socket 4. Hybrid unbalanced output
5. C.D channel balanced output 6. A.B channel balanced output



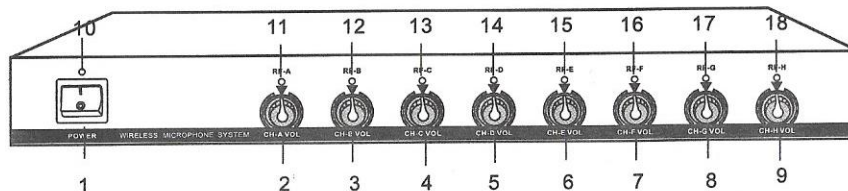
1. C.D channel antenna 2. A.B channel antenna 3. DC socket 4. Hybrid unbalanced output
5. C.D channel balanced output 6. A.B channel balanced output 7. C.D channel SQ knob
8. A.B channel SQ knob

8. Eight-channel receiver

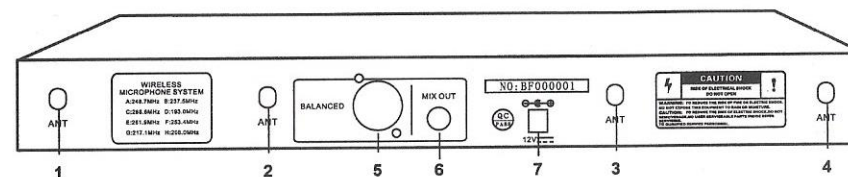
8.1 Front panel of eight-channel receiver



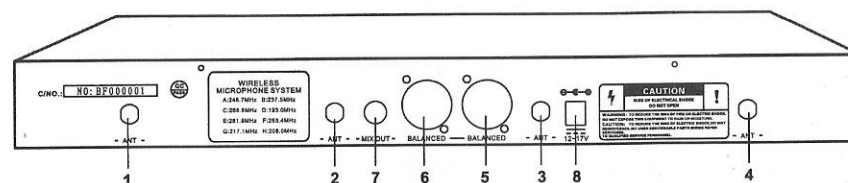
1. Power switch 2. A channel knob 3. B channel knob 4. C channel knob 5. D channel knob
6. E channel knob 7. F channel knob 8. G channel knob 9. H channel knob
10. Power light 11. A channel RF signal light 12. B channel RF signal light
13. C channel RF signal light 14. D channel RF signal light 15. E channel RF signal light
16. F channel RF signal light 17. G channel RF signal light 18. H channel RF signal light



8.2 Back panel of eight-channel receiver



1. G.H channel antenna 2. E.F channel antenna 3. C.D channel antenna 4. A.B channel antenna
5. Hybrid balanced output 6. Hybrid unbalanced output 7. DC socket



1. G.H channel antenna 2. E.F channel antenna 3. C.D channel antenna 4. A.B channel antenna
5. A.B.C.D channel balanced output 6. E.F.G.H channel balanced output
7. Hybrid unbalanced output 8. DC socket

9. Product parameters

9.1 Receiver's parameters

Mode of oscillation	:Quartz Crystal
Frequency range	:VHF170MHz-270MHz
Frequency stability	: $\pm 0.001\%$
Maximum frequency deviation	: $\pm 25\text{KHz}$
Modulation system	:FM
Signal-to-noise ratio	:>105dB
Distortion factor	:<0.5%@1KHz
Sensitivity	:1.2/UV@S/N=12dB
Power supply	:DC:12V-17V
Audio output	:Independent 0-400mV Hybrid 0-300mV

Power: two channel:1 W
four channel:1.5 W
eight channel:4 W

9.2 Emitter's parameters

Power supply: DC 9V
Power consumption: 30mA
Carrier frequency: VHF170MHz-270MHz
Frequency stability: $\pm 25\text{KHz}$
Signal-to-noise ratio: $>105\text{dB}$
Adjacent frequency interference ratio: $>80\text{dB}$
Dynamic range: $\geq 100\text{dB}$
Type: Capacitance
Polarity Mode: one direction
Frequency response: 40Hz-20KHz
Sensitivity: $-47 \pm 3\text{dB}@1\text{KHz}$
Power: 10mW

9.3 Comprehensive parameters

Working frequency: VHF170MHz-270MHz

Modulation system: FM

Frequency stability: $\pm 0.001\%$

Dynamic range: $\geq 100\text{dB}$

Maximum frequency deviation: $\pm 25\text{KHz}$

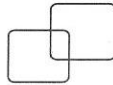
Frequency response: $40\text{Hz}\sim 20\text{KHz}$

Comprehensive signal-to-noise ratio: $>105\text{dB}$

Comprehensive distortion factor: $<0.5\% @ 1\text{KHz}$

Operating distance: about 100metre (open spaces without interference)

Operating temperature: $-10^{\circ}\text{C}\sim 50^{\circ}\text{C}$

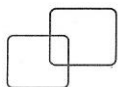


10. Solutions to breakdowns

Breakdowns	Causes	Solutions
The microphone indicator light is not operating.	The microphone is in use.	Some types of microphone will not have a lighted indicator light when it is working.
	Improper battery installation	Reinstall the battery.
	Battery level is too low.	Replace the batteries.
	Battery contact plate is dirty or rusted.	Clean or replace the battery contact plate.
The receiver is not energized.	The utility is not energized.	Check the utility.
	The external power supply failure.	Replace the external power supply of the receiver.
The receiver cannot be connected.	The microphone is off.	Turn on the microphone.
	The microphone's frequency does not fit in the receiver's.	Adjust the frequency.
	The microphone is too far away.	Keep the microphone near.
The receiver can receive but without sound.	The volume knob is at the minimum.	Adjust the volume.
	Improper connection of audio connecting.	Reconnect the audio connection.
Before the emitter is on, the receiver can receive but with noise.	There might be other devices with the same frequency near.	Change the frequency of the system to avoid interference.
On and off sound	Too far away	Keep it near
Effective operating distance is short.	Complicated environment	Avoid metal, wall, crowds, etc as they will weaken the signal.

Care and maintenance

Before fixing or cleaning the device, cut off the electricity supply. Clean it with soft cloth. For spots, clean it with cloth that has neutral cleaning solvent and dry it with another cloth. Do not use gasoline, diluents or any other chemical product, or else the surface will be damaged.

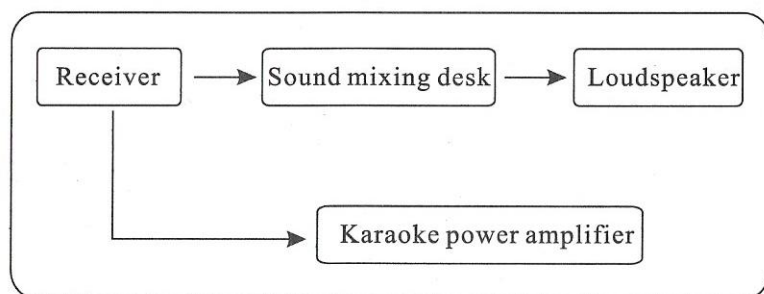


11. Connection instruction

Operations

1. According to the picture, connect the receiver with other devices.
Receivers MIX OUT connect with amplifiers MIC or independent output connect with the two MIC of the amplifier.
2. The proper electricity supply is 220V. After turning on the receiver, set up the reasonable volume.
3. Pull out the batteries every time you finish using the emitter.

Connection instruction



Attention:

1 meter above floor
At least 1 metre to wall
Antenna vertical to the receiver

This Operation Manual Is Subject To Be Revised Without Notice.

This Manual Contains As Much Needed Inforation As Possible. And If Theres Is Anything Wrong Or Omitted, Please Dont' t Hesitate To Contact Us For Confirmation. The Company IS Freed From All And Damage Caused By No Confirmation.

For Testiong And Service, Please Contact Contact Us Or Our Authorized Distributors Through The Dealer Form Whom You Purchased This Product. The Company Will Be Freed From The Loss And Damage Of Servicing This Unit Yourself Or By Uncertified Dealers