This Operation Manual Is Subject To Be Revised Without Notice.

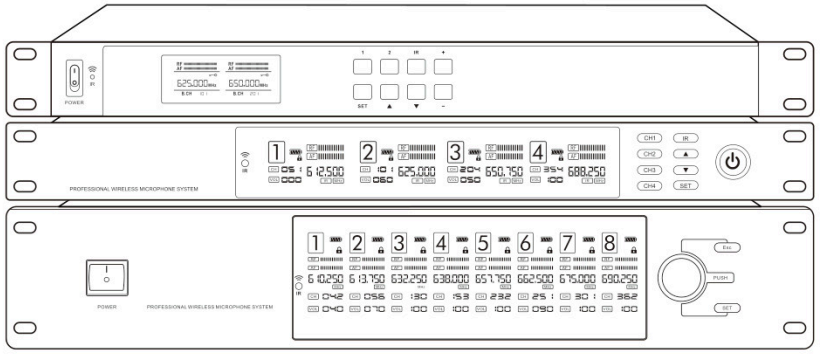
This Manual Contains As Much Needed Information As Possible. And If There Is Anything Wrong Or Omitted, Please Don't Hesitate To Contact Us For Confirmation. The Company Is Freed From All Lose And Damage Caused By No Confirmation.

For Testing And Service, Please Contact Us Or Our Authorized Distributors Through The Dealer From Whom You Purchased This Product. The Company Will Be Freed From The Loss And Damage Of Servicing Which maintain By Yourself Without any permission.

PROFESSIONAL DIGITAL
WIRELESS CONFERENCE MICROPHONE

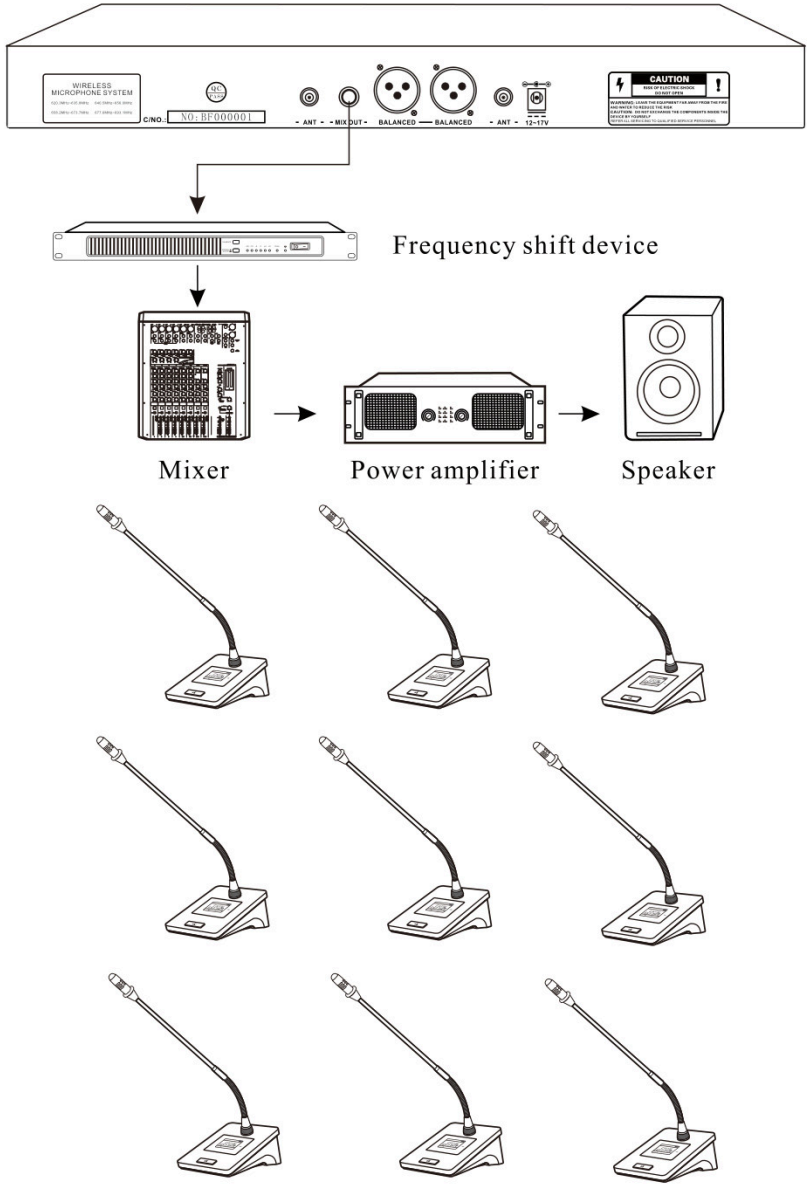
PROFESSIONAL DIGITAL WIRELESS CONFERENCE SYSTEM

Operation Instructions



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

10.Connection instruction



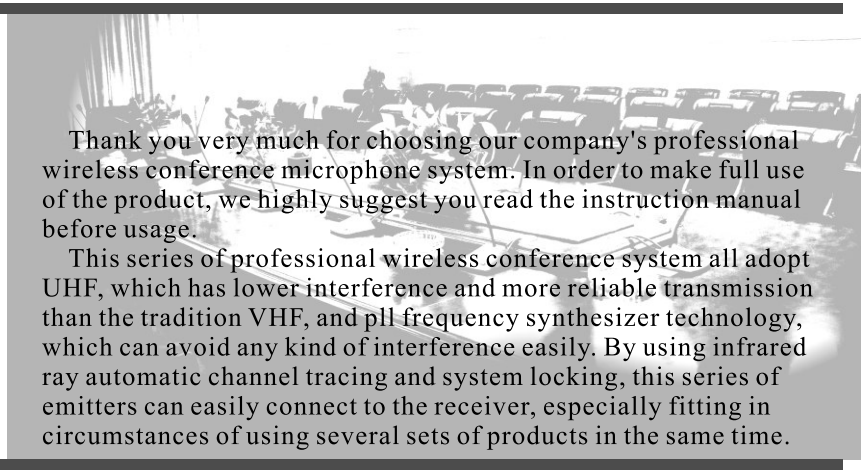
9.Solutions to breakdowns

Breakdowns	Causes	Solutions
Receiver can receive signal but with noise interference	Battery level is too low	Charge up the battery
	There is the same frequency emitter used at the same time	Turn off other emitter or change to other frequency
The microphone's LCD screen is not operating	Battery level is too low	Charge up the battery
The microphone cannot be turned on	Battery level is too low	Charge up the battery
The receiver is not energized	The utility is not energized	Check the electric socket
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
	Haven't install the receiving antenna	Install the receiving antenna

Care and maintenance

Before fixing or cleaning the device, cut of 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.

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 all adopt UHF, which has lower interference and more reliable transmission than the tradition VHF, and pll frequency synthesizer technology, which can avoid any kind of interference easily. By using infrared ray automatic channel tracing and system locking, this series of emitters can easily connect to the receiver, especially fitting in circumstances of using several sets of products in the same time.

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PROFESSIONAL
DIGITAL WIRELESS CONFERENCE MICROPHONE

8.Product parameters

8.1 Receiver parameter

Oscillation	: PLL synthesized
Frequency range	: UHF 600-699.75MHz
Frequency stability	: ± 0.001%
Modulation Mode	: FM
S/N Ratio	: >60dB
T.H.D	: <0.5%@1KHz
Sensitivity	: 1.2/UV @S/N=12dB
Power Supply	: DC 12V-17V
Audio Output	: Independent 0-400mV Mixed 0-200mV

8.2Transmitter parameter

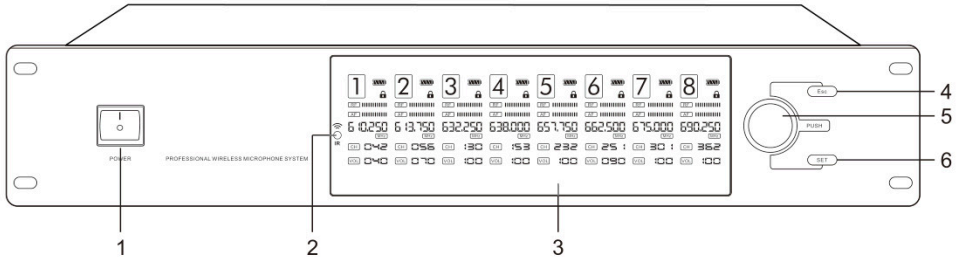
Power Supply	: DC 4.5V (1.5V AA*3)
Power consumption	: 150mA
Frequency range	: UHF 600-699.75MHz
Frequency stalility	: ±0.001%
Max.deviation Range	: ±30KHz
S/N Ratio	: >60dB
F/N Ratio	: >80dB
Dynamic range	: ≥100dB
Polar pattern	: Ultra-cardioid
Frequency Response	: 40Hz-20KHz
Sensitivity	: -35±3dB@1KHz

8.3 Comprehensive parameters

Working frequency	: UHF 600-699.75MHZ
Modulation system	: FM
Channel spacing	: 250KHz
Frequency stability	: ±0.001%
Dynamic range	: ≥100dB
Maximum frequency deviation	: ±30KHz
Frequency response	: 40Hz~20KHz
Comprehensive signal-to-noise ratio	: >60dB
Comprehensive distortion factor	: <0.5%@1KHz
Operating distance	: about 100 meter
Operating temperature	: -10℃~50℃

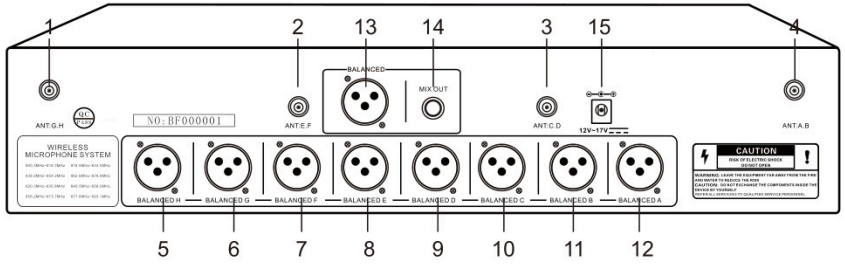
7.Eight-channel receiver

7.1Front panel of eight-channel receiver



1.Power switch 2.IR window 3.Screen
4.ESC switch 5.Adjusting knob/Enter 6.SET switch
4+6:Lock/unlock function

7.2Back panel of eight-channel receiver



1.G.H channel antenna port 2.E.Fchannel antenna port 3.C.D channel antenna port
4.A.B channel antenna port 5.H channel balanced output 6.G channel balanced output
7.F channel balanced output 8.E channel balanced output 9.D channel balanced output
10.C channel balanced output 11.B channel balanced output 12.A channel balanced output
13. Mixed balance output 14.Mixed unbalanced output 15.DC power socket

1.Feature

1.This series of products using the most advanced chip synthesis technology processing transmitting and receiving part, the only supply power input and output can be used.

2.This series of products using advanced digital pilot technology, the use of UHF working band, the specific frequency range:600-699.75MHz. Compared with the low frequency VHF, UHF frequency with frequency resources width, the electromagnetic space clean, outside the advantages of less interference, can greatly avoid external devices, such as VCD, DVD, VCDand other external devices interfere with the normal work.

3. the series of products using microprocessor control, PLL frequency synthesis technology, each product has 400 channels, each channel is 0.25MHz step, the frequency of use more flexible.

4. this series of products using ID identification technology, each channel has a inherent ID code, strong anti-interference ability, suitable for all kinds of large, medium and small conference.

5. The series of products have automatic mute and the balance hammer elimination circuit, eliminating switch machine balance hammer, avoid shock and noise impact of on-site atmosphere.

6.The series of products with reducing feedback function, pickup distance far, smooth, high reduction degree.

7.This series of products with high stability and high reliability of surface mounted components, surface application of installation technology (SMT) and production process, can significantly improve the product stability, reliability and service life.

8 In this series, each model is equipped with LCD display on receiver and emitter, showing anumber of key information, working status at a glance, so that the operation and monitoring becomes easy and convenient, there by improving the use of performance.

9 This series of products all adopt XLR independent balanced output and 6.3 mixed non balanced output coexist in a way that can adapt to all kinds of occasions of the equipment connection, avoid confusion from the equipment connection does not match.

2.Safety instructions

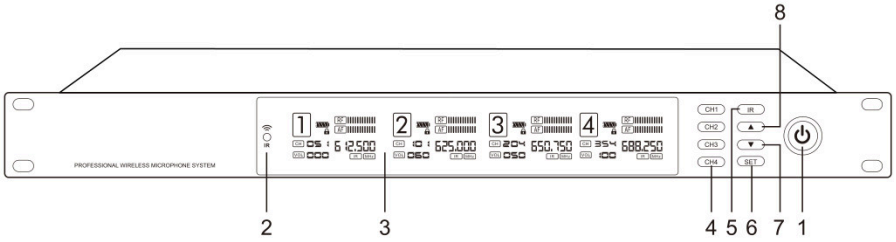
- Read this instruction manual.
- Keep this instruction manual for future reference.
- Follow all instructions in this instruction manual.
- Do not place the product near any heat sources such as radiators, stoves, or other devices that product heat. If you are not going to use the product for a long 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 take apart the device. If devices are took apart 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 replaced, replace them with original components produced by our company.
- 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.
  Only for safe use in the area with an altitude of below 2,000 meters.



※ If the device is not going to be used, turn it off and put out of the battery for protect the equipment.

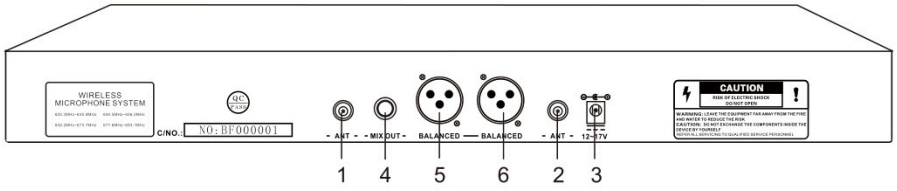
6. Four-channel receiver

6.1Front panel of four-channel receiver



1.Power switch　2.IR window　3. LCD screen
4. Select channel　5.IR setting　6.SET key
7.Down adjust key　8.Up adjust key

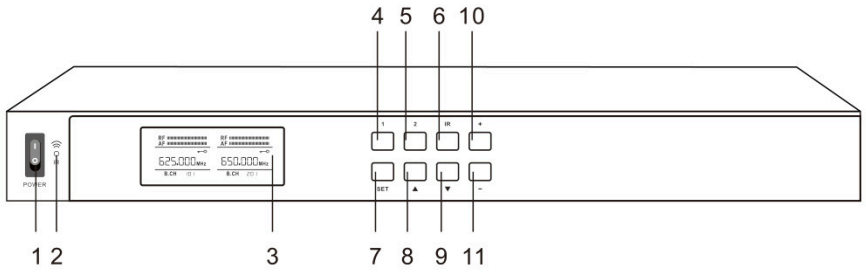
6.2Back panel of four-channel receiver



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

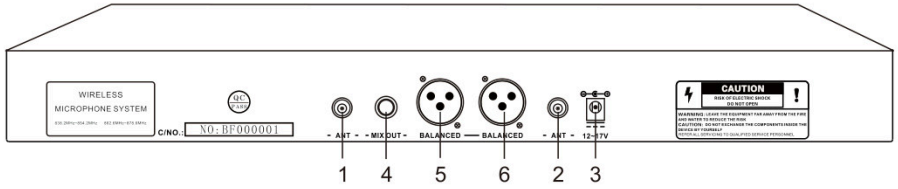
5.Two-channel receiver

5.1Front panel of two-channel receiver



1.Power switch
2.IR window
3. LCD screen
4. A channel adjust key
5. B channel adjust key
6. IR infrared frequency key
7. Lock/ Set key
8. Up adjust key
9. Down adjust key
10. Increase volume key
11. Reduce volume key

5.2 Back panel of two-channel receiver

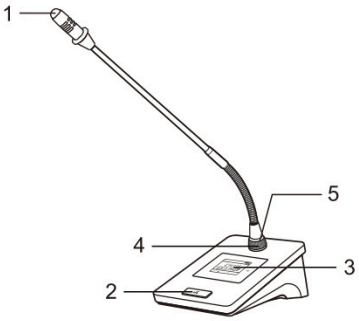


1.B channel antenna port
2.A channel antenna port
3.DC power socket
4.Mixed unbalanced output
5.B channel balanced output
6. A channel balanced output

3.Operation instruction for Transmitter

3.1 Brief introduction

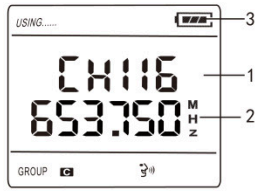
1.Install 3pcs 1.5V AA battery at the bottom of the microphone base.Pls pay attention that don't install wrong of the negative and positive electrode.
2.Insert the microphone into the microphone base XLR plug. (Figure 2)
3.Touch power key, LCD screen will be on. It means emitter enter into the working status.
4.In the working status, LCD screen display channel, battery power,working frequency.(Figure 1)
5.Touch power key one second to turn off the emitter power.



1.Microphone head
2.Power key
3.LCD screen
4.XLR plug
5.Microphone lock socket

3.2 Graphic instruction

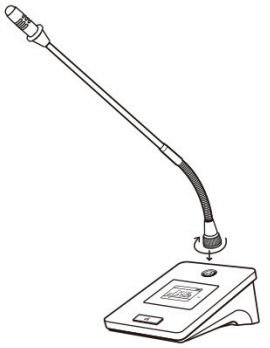
1. LCD screen graphic



(Figure 1)

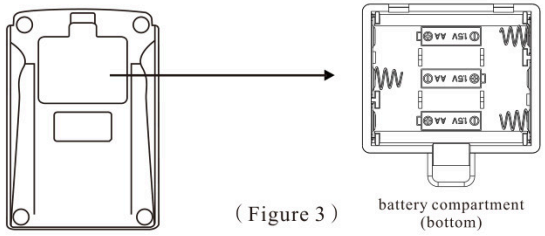
1.channel 2.frequency 3.battery power indicate

2. Emitter installation diagram



(Figure 2)

3.3 Battery installation diagram



(Figure 3)

battery compartment (bottom)

CAUTION: Please don't installation wrong the positive and negative electrode which will damage the inside accessory.Please take out the battery if long time didn't use.

4.Receiver operating and screen graphics

4.1 Receiver usage

After removing the receiver from the packing box, let the receive antenna connected to a receiver antenna faucet, and adjust the antenna to top up and with the ground vertical direction. Note that the large metal body and non-metallic body (such as wall body, etc.), will weaken the direct signal of the transmitter. In order to obtain good results, please follow the following rules to place the receiver: receiver should be close to the performance area, and with large metal objects, walls, scaffolding, ceiling and other objects at least 1.5 meters distance, and to ensure that the transmitter and receiver between the open signal.

4.2 Two channels /four channels:

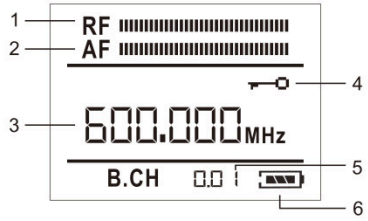
1. Lock function: Press and hold the "SET" button for 1 second.
2. Unlock function: Press the "SET" key and the "▲" key.
3. Channel frequency setting: In the unlocked state, press and touch the corresponding channel button. If changing channel "1", press the "1", after the channel flashes twice, press the "▲" up button or "▼" down button to adjust the frequency up and down.
4. Frequency setting: In the unlocked state, when the number of channels or frequency is selected, let the transmitter LCD face to the receive IR window, lightly press the "IR" button. When the RF signal appears on the host display screen, the frequency matching operation can be completed.
5. Frequency sweep setting: In the unlocked state, long press the corresponding channel number for 3 seconds, and the corresponding channel screen will automatically search for a clean frequency/channel number. For example, channel 1, press the "1" button, the screen flashed twice, and then long press the "1" button again. The screen will display a jumping frequency and keep searching for a clean frequency/signal channel.
6. Electronic volume operation setting: In the unlocked state, press and touch the corresponding channel button "+" to increase the volume, press the "-" button to decrease the volume (0-100dB adjustable). For example channel 1 increases the volume, press the "1" button and after the screen flashes twice, press the "+" button to increase the volume.
7. Each conference microphone can be used on any channel.

4.3 Eight channels:

1. Press the "SET" button to enter channel selection (the first channel number flashes).
2. Rotate the "shuttle" key to switch channels (1-8), and after stopping, the corresponding number of channels will flash.
3. Press "Shuttle" key to confirm and enter the channel settings (other channel numbers are hidden).
4. Rotate the "shuttle" key again to switch between "frequency", "alignment", "sweep", and "volume".
5. Press the confirm button to enter the adjustment, adjust to the desired level, and then press the confirm button to complete the operation.
6. Lock/Unlock: Press the "Esc" and "SET" keys simultaneously.

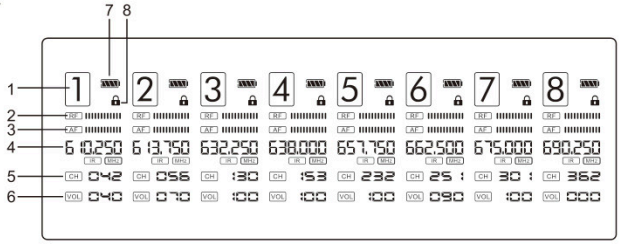
4.4 LCD monitor graphic instruction

Two channels /four channels:

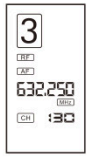


1. Receive signal electronic level dispaly
2. Audio electronic level display
3. Working frequency
4. Lock icon
5. Working channel
6. Emitter power display

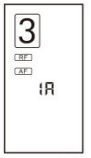
Eight channels:



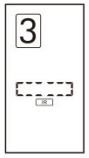
1. Current channel
2. Received signal level
3. Audio signal level
4. Working frequency
5. Working channel
6. Microphone volume
7. Display of microphone battery level
8. Lock icon



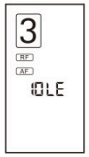
▲Frequency setting



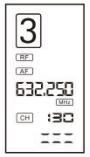
▲frequency matching setting



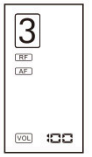
▲frequency matching



▲frequency scanning setting



▲frequency scanning



▲volume setting