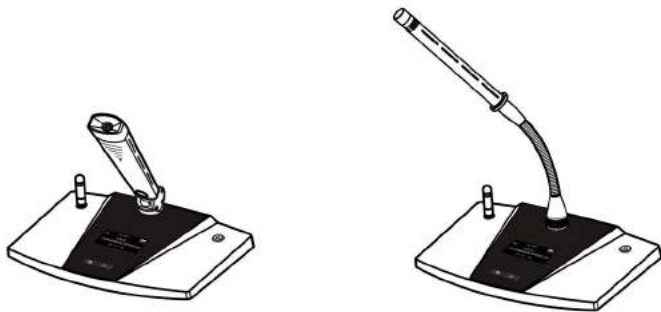


# Operation Instructions



MULTIFUNCTIONAL  
VIDEO TRACKING  
WIRELESS CONFERENCE SYSTEM

*MICROPHONE UNIT MANUAL*



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.

This operation manual would be revised at any time without prior notice.

This manual contains needed information as much as possible. If there is anything unclear, wrong or omitted, please don't hesitate to contact us for confirmation. The company is free from all the damage and loss caused by no confirmation.

For testing and maintenance, please contact us or our authorized distributors through the dealer from whom you purchased this product. The company assumes no responsibility for any loss or damage resulting from testing and maintaining this unit by unqualified personnel.

Thank you very much for choosing our company's professional 2.4G video-tracking wireless conference control system. In order to make full use of the product, we highly suggest you read the instruction manual before usage.

This series of professional 2.4G video-tracking wireless conference system adopt digital audio signal processing and control signal. With scientific ID code design and no complicated cables, it can be used once the power supply is turned on. Within the signal coverage range, the units can be freely moved and support 255 number of units. It also has the function of interference signal automatic reconnaissance. When it finds an interference signal, it can assign other frequency to work which can avoid the interference signal.



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## 1.Features

### 1.1 Features of Chairman unit

- 1) Using latest numerical control technology design.
- 2) Condenser pick-up, provides the top definition and directivity.
- 3) LCD screen indicate working mode, UNIT ID, battery power, working condition and speech time.
- 4) Built-in lithium 3.7V battery, use USB charging, convenient and use a long time.
- 5) Low power consumption can be used above 10 hours.
- 6) Speech number at the same time mostly 4 people, include chairman unit and delegate unit totally.
- 7) There is standby function, press once speech key into the standby function. Long press put off the microphone.
- 8) Chairman unit have no limited in the limited mode and FIFO mode.
- 9) Chairman unit has a button which can control delegates speaking status .Chairman unit has a prior function of force disconnecting the attended delegate units.
- 10) Chairman unit can not control between each other.

### 1.2 Features of delegate unit

- 1) Using latest numerical control technology design.
- 2) Condenser pick-up, provides the top definition and directivity.
- 3) LCD screen indicate working mode, UNIT ID, battery power, working condition and speech time.
- 4) Built-in lithium 3.7V battery, use USB charging, convenient and use a long time.
- 5) Low power consumption can be used above 10 hours.
- 6) Speech number at the same time mostly 4 people, include chairman unit and delegate unit totally.
- 7) There is standby function, press once speech key into the standby function. Long press put off the microphone.

## 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 take out of the battery.

### 3. Instruction for Chairman unit

#### 3.1 Brief instruction

1. High fidelity microphone head, condenser pickup head, provides the top definition and directivity, light ring display working condition.
2. LCD screen display working condition.
3. Chairman unit have three keys: power key, standby key/speak key, chairman priority key. Equipped with priority button to control delegate unit speak, press the button can cut off the delegate to speech.
4. Built-in 3.7V lithium battery, use normal UBS cable for charging.

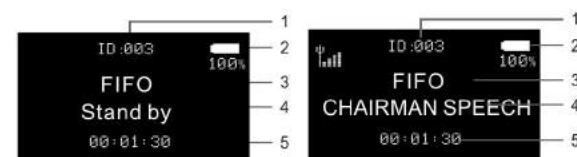
#### 3.2 Operation and function description

1. Charging method: connecting the UBS cable with the USB plug behind the microphone can be charged.
2. Press power switch to open the microphone.  
Press standby key/ speech key to speak or into the standby condition.  
Press priority key to turn off the speaking delegate units.
3. LCD will show battery power, speaking mode, unit ID, standby or speaking condition.
4. Press power switch to put off the microphone is ok.

Notice: In no signal condition, unit microphone will be off automatically after 20s. In the condition there is signal, product will keep on standby condition.

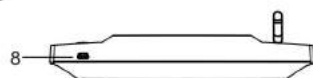
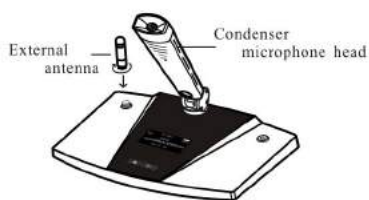
#### 3.3 Graphic operation

##### 3.3.1 LCD screen expression



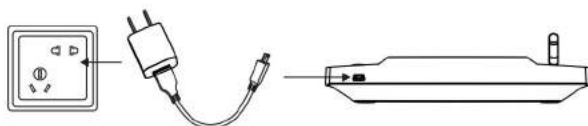
1. unit ID code
2. battery power
3. conference mode
4. speech condition or standby condition
5. speech time or standby time

##### 3.3.2 Installation graphic of Chairman unit




1. microphone head
2. external antenna
3. power key
4. LCD screen
5. chairman unit priority key
6. standby/speak key
7. non-removable microphone
8. USB charging jack

#### 3.4 Charge battery graphic



#### CAUTION:

 PLEASE CHARGE UP THE BATTERY PER 3 MONTHS IF DO NOT USE FOR A LONG TIME. USE THE SAME TYPE BATTERY IF YOU WANT TO CHANGE THE BATTERY. IF NOT, IT WILL BE DANGEROUS.

### 4. Instruction for delegate unit

#### 4.1 Brief instruction

1. High fidelity microphone head, condenser pickup head, provides the top definition and directivity, light ring display working condition.
2. LCD screen display working condition.
3. Delegate unit have two keys: power key, standby key/speak key.
4. Built-in 3.7V lithium battery, use normal UBS cable for charging.

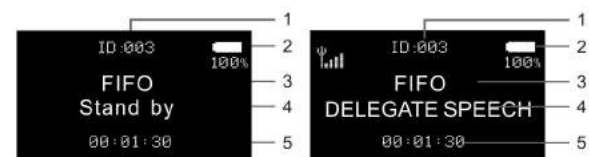
#### 4.2 Operation and function description

1. Charging method: connecting the UBS cable with the USB plug behind the microphone can be charged.
2. Press power switch to open the microphone.  
Press standby key/ speech key to speak or into the standby condition.
3. LCD will show battery power, speaking mode, unit ID, standby or speaking condition.
4. Press power switch to put off the microphone is ok.

Notice: In no signal condition, unit microphone will be off automatically after 20s. In the condition there is signal, product will keep on standby condition.

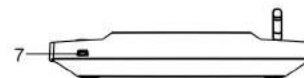
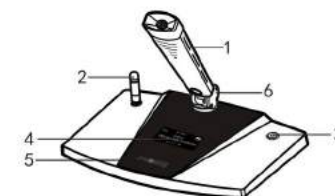
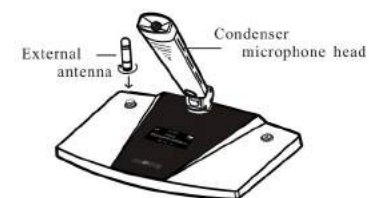
#### 4.3 Graphic operation

##### 4.3.1 LCD screen expression



1. unit ID code
2. battery power
3. conference mode
4. speech condition or standby condition
5. speech time or standby time

##### 4.3.2 Installation graphic of delegate unit




1. microphone head
2. external antenna
3. power key
4. LCD screen
5. standby/speak key
6. non-removable microphone
7. USB charging jack

#### 4.4 Charge battery graphic



#### CAUTION:

 PLEASE CHARGE UP THE BATTERY PER 3 MONTHS IF DO NOT USE FOR A LONG TIME. USE THE SAME TYPE BATTERY IF YOU WANT TO CHANGE THE BATTERY. IF NOT, IT WILL BE DANGEROUS.

## 5. Instruction for Chairman unit

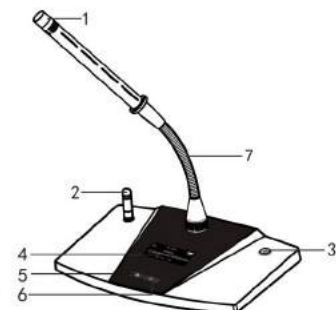
### 5.1 Brief instruction

1. High fidelity microphone head, condenser pickup head, provides the top definition and directivity, light ring display working condition.
2. LCD screen display working condition.
3. Chairman unit have three keys: power key, standby key/speak key, chairman priority key. Equipped with priority button to control delegate unit speak, press the button can cut off the delegate to speech.
4. Built-in 3.7V lithium battery, use normal UBS cable for charging.

### 5.2 Operation and function description

1. Charging method: connecting the UBS cable with the USB plug behind the microphone can be charged.
2. Press power switch to open the microphone.  
Press standby key/ speech key to speak or into the standby condition.  
Press priority key to turn off the speaking delegate units.
3. LCD will show battery power, speaking mode, unit ID, standby or speaking condition.
4. Press power switch to put off the microphone is ok.

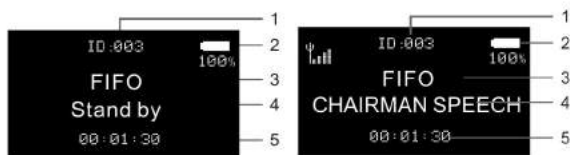
Notice: In no signal condition, unit microphone will be off automatically after 20s. In the condition there is signal, product will keep on standby condition.



1. microphone head
2. external antenna
3. power key
4. LCD screen
5. chairman unit priority key
6. standby/speak key
7. removable microphone
8. USB charging jack

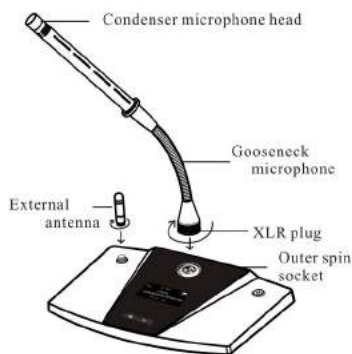
### 5.3 Graphic operation

#### 5.3.1 LCD screen expression

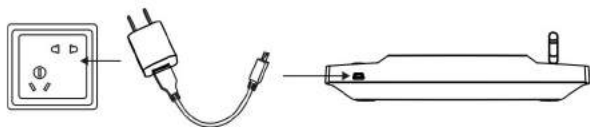


1. unit ID code
2. battery power
3. conference mode
4. speech condition or standby condition
5. speech time or standby time

#### 5.3.2 Installation graphic of Chairman unit



### 5.4 Charge battery graphic



#### CAUTION:



PLEASE CHARGE UP THE BATTERY PER 3 MONTHS IF DO NOT USE FOR A LONG TIME. USE THE SAME TYPE BATTERY IF YOU WANT TO CHANGE THE BATTERY. IF NOT, IT WILL BE DANGEROUS.

## 6. Instruction for delegate unit

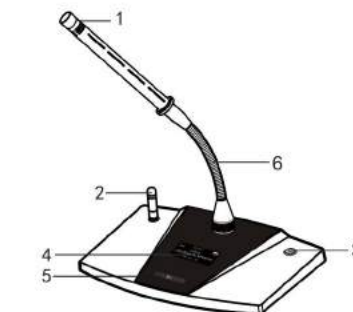
### 6.1 Brief instruction

1. High fidelity microphone head, condenser pickup head, provides the top definition and directivity, light ring display working condition.
2. LCD screen display working condition.
3. Delegate unit have two keys: power key, standby key/speak key.
4. Built-in 3.7V lithium battery, use normal UBS cable for charging.

### 6.2 Operation and function description

1. Charging method: connecting the UBS cable with the USB plug behind the microphone can be charged.
2. Press power switch to open the microphone.  
Press standby key/ speech key to speak or into the standby condition.
3. LCD will show battery power, speaking mode, unit ID, standby or speaking condition.
4. Press power switch to put off the microphone is ok.

Notice: In no signal condition, unit microphone will be off automatically after 20s. In the condition there is signal, product will keep on standby condition.



1. microphone head
2. external antenna
3. power key
4. LCD screen
5. standby/speak key
6. removable microphone
7. USB charging jack

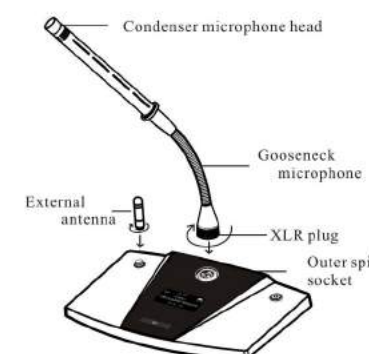
### 6.3 Graphic operation

#### 6.3.1 LCD screen expression

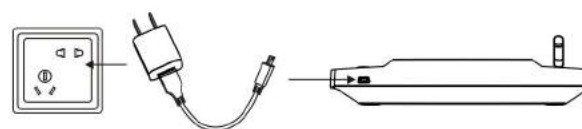


1. unit ID code
2. battery power
3. conference mode
4. speech condition or standby condition
5. speech time or standby time

#### 6.3.2 Installation graphic of delegate unit



### 6.4 Charge battery graphic



#### CAUTION:



PLEASE CHARGE UP THE BATTERY PER 3 MONTHS IF DO NOT USE FOR A LONG TIME. USE THE SAME TYPE BATTERY IF YOU WANT TO CHANGE THE BATTERY. IF NOT, IT WILL BE DANGEROUS.

## 7. Product parameters

### 7.1 Chairman unit parameters

Power supply : Built-in 3.7V lithium battery  
 Emission power : 10mW  
 Pickup head : condenser, single direction  
 Sensitivity : -43±2dB@1KHz  
 Frequency response: 20Hz~18KHz  
 Power consumption: 130mA

LCD screen indicates working mode, unit ID, electricity information, etc.

Add external transmit antenna, make the signal emission more comprehensive, in the effective range won't appear dead point.

Microphone with lamp ring, it can display speech state.

Chairman unit will not be restricted by limit function, always have the priority of speaking first and have the right to force cut off the delegate unit's speech.

### 7.2 Delegate unit parameters

Power supply : Built-in 3.7V lithium battery  
 Emission power : 10mW  
 Pickup head : condenser, single direction  
 Sensitivity : -43±2dB@1KHz  
 Frequency response: 20Hz~18KHz  
 Power consumption: 130mA

LCD screen indicates working mode, unit ID, electricity information, etc.

Add external transmit antenna, make the signal emission more comprehensive, in the effective range won't appear dead point.

## 8. Solutions to breakdowns

Breakdowns	Causes	Solutions
Unit appear "connecting"	Haven't put on the host	Open the host
	Not right IP	Set the right IP
Unit appear "power off"	Low battery voltage	Change new battery at once
Delegate appear "A-steal"	Use "FIFO" mode be put out for other unit	Restart unit
Delegate appear "C-steal"	Chairman unit use prior right	Restart unit
Unit appear "ban say"	Use Chairman unit special mode	Change other mode
	Enough speech people in the limit mode	Restart after there is unit out
Unit appear "Mast Rest"	Put off the host	Put on the host
	Preserve the new date after set up	Restart the unit
On the off sound	Out of the effective distance	Keep in the effective distance
Host and unit function can not be operated	Out of the effective distance	Keep in the effective distance
Put on the unit normally but there is no sound put out	Host output volume to minimum	Turn the built-in volume up
Unit is on, but can't track by the camera	No power of the camera	Link and open the camera
	Preset point haven't set	Set all the units preset well
	Wrong connection of the control cable	Connection the control cable in right way

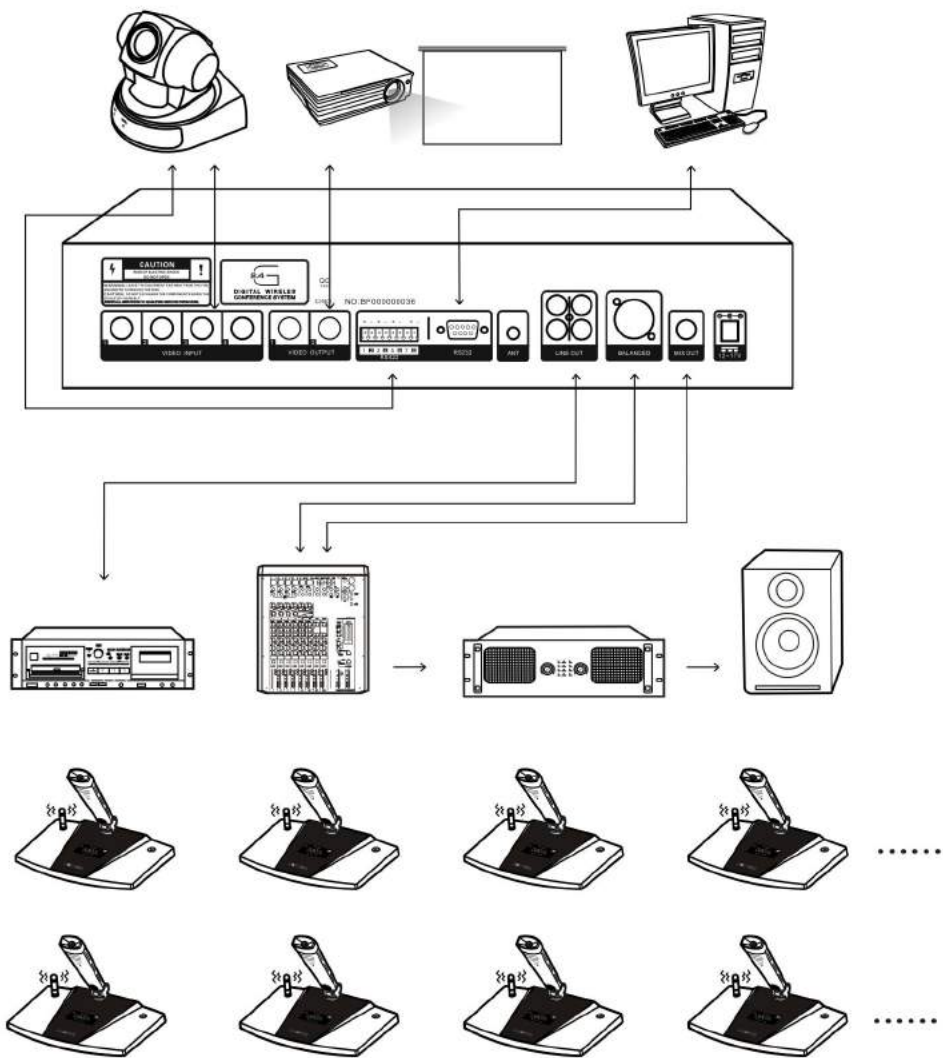
#### Care and maintenance

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.

9.Connection instruction graphic



Attention:  
1 meter above floor    At least 1 meter to wall    Antenna vertical to the host