

Wired & Wireless Converged Conference System

Digital Convergence Conference System

User Manual

Please read this manual carefully before using the system

Version 1.1

Table of contents

Precautions -----1

Digital Convergence Conference Host -----2

Product Introduction -----2

Features -----2

Functional Summary -----3

Host Introduction-----4

Host Size -----5

Technical Parameters -----6

Packing List -----6

Wired Conference Microphone -----7

Microphone Pole Type -----7

Microphone Screen Type -----7

Features -----8

Microphone Introduction -----9

Technical Parameters -----10

Packing List -----11

Function Introduction -----12

Wired Conference Host -----12

Wired Conference Microphone -----15

Usage Guidelines -----19

Configure ID -----19

PC Host Computer -----20

Scheme Topology-----40

Analog Audio Output Solution (With Camera Tracking Function)-----40

Analog Audio Output Solution (Wired & Wireless Convergence) -----41

Network Audio Output Solution-----42

Precautions

Power Safety Matters

- Before operating this device, first make sure that the device's operating voltage is consistent with the local grid voltage. Do not bend the power cord at will, and do not place heavy objects on the host. Otherwise, the power cord may be damaged, or cause fire and electric shock.
- When unplugging the power cord from the AC outlet, hold the plug directly (do not pull the cable directly).
- If the device is not used for a long time, unplug the power plug from the power outlet.
- The AC power cord must be replaced at a qualified professional repair station.

Equipment Usage Safety Matters

- Avoid heavy metal or flammable objects, liquids or debris falling into the device chassis, otherwise it may cause malfunction.
- Using optical instruments in this device will increase the risk to the eyes.
- Do not open or remove the device casing and touch the inside of the casing, otherwise it may cause electric shock.

Troubleshooting

- If the equipment emits smoke, strange odors, or a sudden increase in noise, you should first turn off the system power, disconnect the power cable and various connecting cables, and then contact the seller at the place of purchase or the company's authorized authorized repair service center.

Cleaning & Storage

- Cleaning should use a soft dry cloth to wipe the machine's chassis and panel. If the dirt is serious, use a neutral cleaning solution to slightly wet the soft cloth to wipe it off, and then wipe it clean with a dry cloth. Do not use any type of abrasive, scouring powder, or solvents such as thinner, gasoline, and alcohol, otherwise it may damage the decorative coating of the equipment.
- Do not expose the equipment system to: extremely high and low temperatures, rooms with severe humidity and dust, places with strong vibrations, nearby equipment that generates too strong magnetic fields, nearby equipment that emits too strong radio waves, and noisy places.

Digital Convergence Conference Host

Product Introduction

- Design Based on IoT Application Scenarios, developed with a digital network architecture, supporting wired and wireless hybrid conference applications. Wireless microphone units can be added at any time without the need for additional antenna amplifiers, enabling flexible speaking options. The system integrates AOIP network audio protocols and TCP/IP network management assistance. A single network cable allows for easy setup of network audio, ensuring high efficiency and speed, with strong system scalability. It is suitable for network audio collection and management. The system can be conveniently connected to IoT systems, enabling interconnectivity between networked audio. This is beneficial for various networked conference systems, distributed management, and interconnection. The system is embedded with self-learning algorithms and noise reduction technology (ANC), along with feedback suppression (AFC) to create a clear and comfortable audio-visual environment for users. It is widely used in government and large enterprise conference rooms, video conferences, lecture halls, multi-functional halls, and other scenarios.

Features

- Digital network conference technology, simple and stylish appearance, in line with electrical safety standards, anti-interference and anti-static design.
- Based on the design of IOT applications, digital network architecture development, high-performance CPU processor, high-speed parallel processing, low latency.
- Wired and wireless fusion technology, wireless microphone units can be added at any time to achieve flexible microphone speaking.
- Adopting advanced TCP/IP network connection method, automatically obtain IP address or manually set IP, no complicated settings, plug and play networking, such as network access to WIFI, can realize PC and host wireless control management, networked collaborative management, distributed application and management.
- The host supports 3 audio backups, namely microphone digital-analog backup, hand-in-hand ring backup, host digital-analog backup, all use seamless audio backup to ensure that the audio signal does not drop.
- Embedded machine self-learning algorithm technology, through machine self-learning, it can judge the signal as background noise or system local noise, thereby starting the noise reduction algorithm ANC, and also has environmental sound environment learning, judging the feedback signal, starting the suppression function AFC before the system howls, thereby suppressing the system howling.
- Ring hand-in-hand connection technology, the failure or replacement of one microphone will not affect the normal operation of other microphones in the system, making the system more reliable.
- Support "hot plug" of lines, no need to cut off power during the meeting, and add microphones to the system at any time.
- With the camera tracking host, the camera can be automatically tracked, support preset panoramic positions, and can also be connected to the central control to achieve camera tracking.
- The unit has an arbitrarily assigned ID address, which is convenient for installation and avoids ID address duplication.
- With the AOIP network module, large-scale meetings or multiple conference rooms can be easily interconnected in real-time audio, and the mainstream standard network protocol is used to transmit audio signals, with low latency and high efficiency. It can also be easily expanded to form a large conference system to achieve flexible multi-conference room configuration functions.
- Check-in, voting, and voting functions can be initiated, and the results can be projected on the large screen.

Digital Convergence Conference Host

Functional Summary

- 2 channels audio external line input and 2 channels audio line output, 1 balanced output.
- 2 channels 8-core aviation connectors can be used to form 2 sets of hand-pull ring wiring methods. The connectors are anti-oxidation and locked to ensure reliable contact and no falling off. The contacts are blocked from the air and the anti-oxidation design reduces the risk of system instability caused by oxidation to ensure a more stable system.
- Can be connected to an external wall controller to achieve on-site touch screen management, including conference mode, microphone status, demand service, microphone management, etc.
- The 4.3-inch touch screen on the front panel is used for conference host management and settings, which is convenient and efficient.

Display

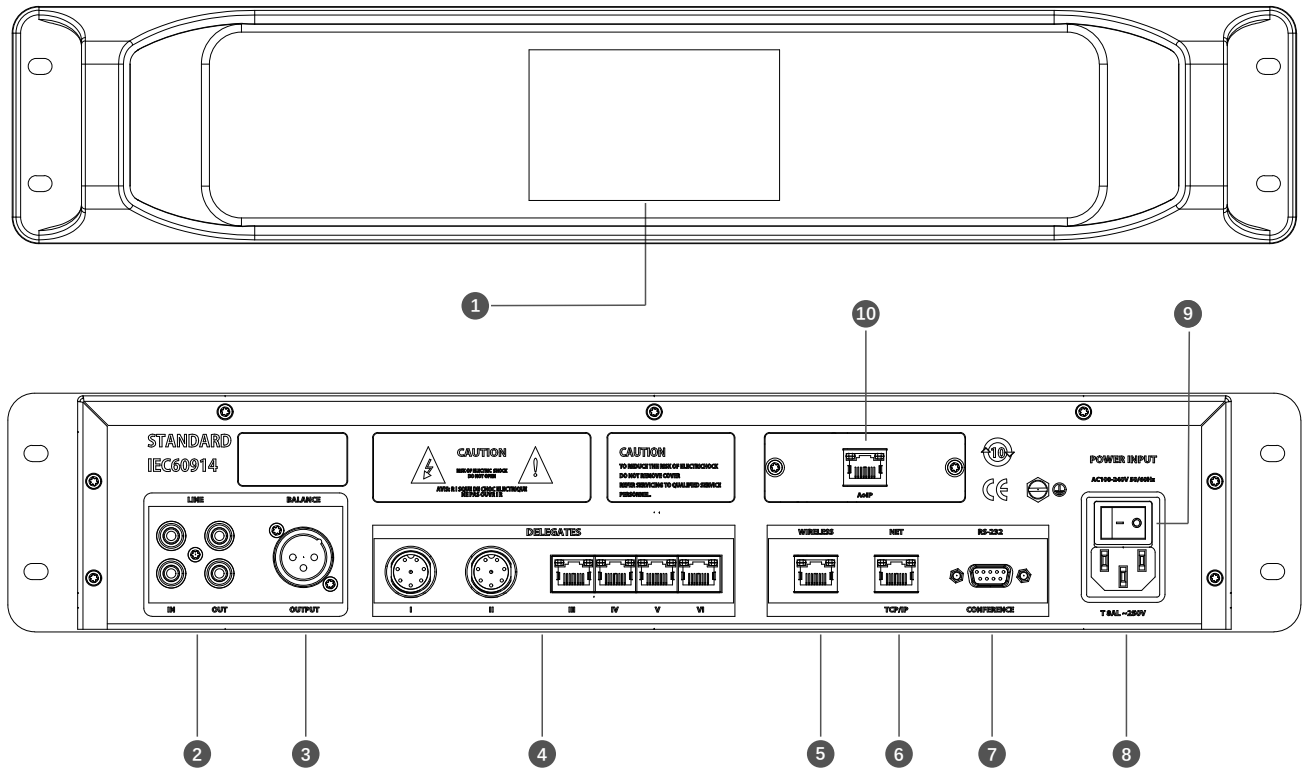
- Five speech modes to choose from: restricted mode, first-in-first-out mode, free mode, application mode, and voice wake-up mode.
- Speech mode restriction function: the number of speaking units is adjustable from 1 to 6, and the chairman unit and VIP unit are not restricted.
- System volume adjustment, high and low volume adjustment.
- AFC adaptive feedback suppression on and off.
- ANC automatic noise reduction on and off.
- System settings can set and view the host IP address, Chinese and English selection, status view, ID setting and help.
- Wireless microphone status query.
- Built-in real-time clock and perpetual calendar function can display the current time on the conference host and conference terminal for participants to view.

Connect to PC

- The software can realize the functions of pre-meeting preparation, in-meeting management, and post-meeting arrangement
- Centralized microphone management, such as microphone pickup gain adjustment, forced switch, and speaker information registration
- Initiate sign-in, voting, and voting functions
- View microphone line status
- VIP units can be set through software, and the switch of VIP units is not limited by the number of conference units opened at the same time and the speaking mode
- The host and the speaking microphone are interconnected, such as tea, pen and paper requests

Digital Convergence Conference Host

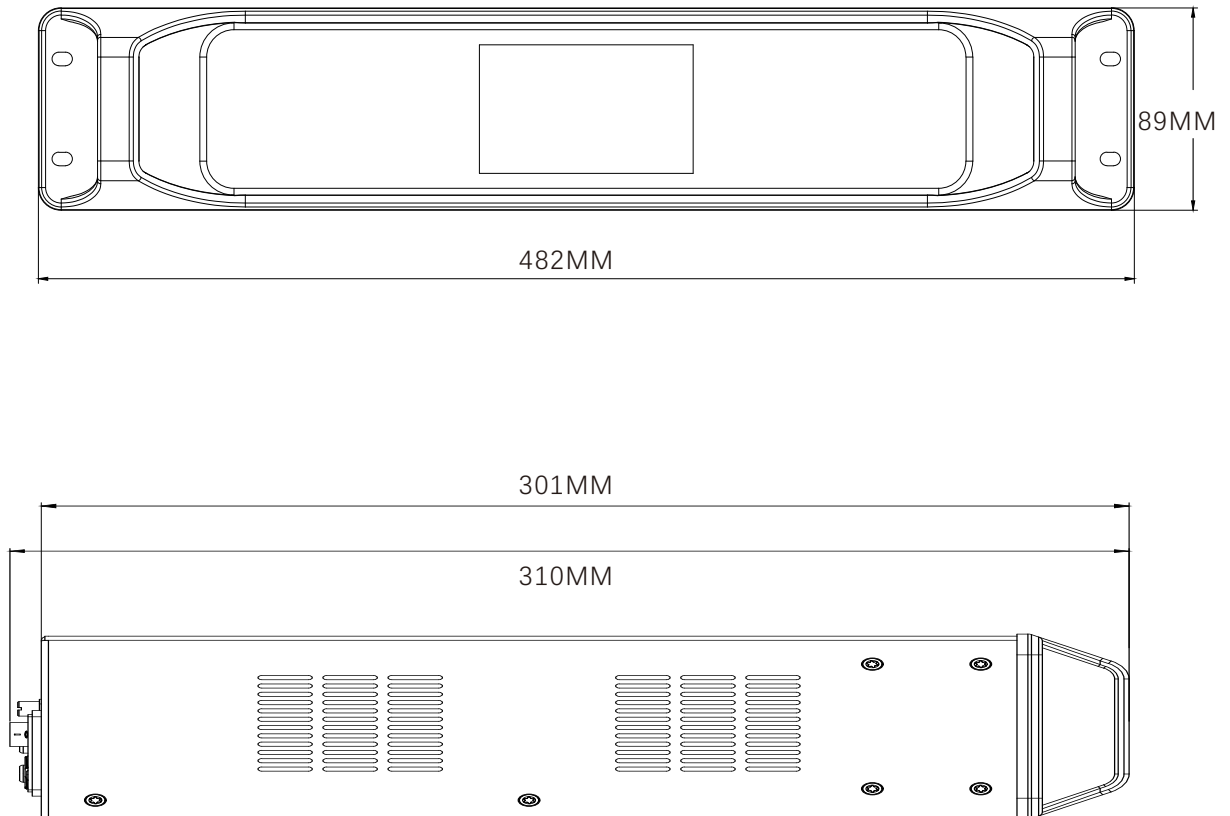
Host Introduction



- 1 LCD display.
- 2 IN--Line audio input, such as background music or remote conference call terminal output. OUT-- Connect to the sound reinforcement system or recording equipment, OUT includes conference audio and line input audio.
- 3 OUTPUT--Balanced output port, connected to the sound reinforcement system.
- 4 DELEGATES--Connect the speaking unit, support 8-pin XLR and RJ45 network port.
- 5 WIRELESS--Connect the wireless host.
- 6 TCP/IP--Upper computer network connection interface, if there is a network central controller, it can also be used in this interface.
- 7 CONTROL--Connect the camera tracking host to realize the automatic camera tracking function.
- 8 POWER INPUT--Power input, support AC100-240V.
- 9 Boat switch--Used to turn the host on and off.
- 10 AOIP--Network audio output interface, support mainstream audio protocols (optional).

Digital Convergence Conference Host

Host Size



Digital Convergence Conference Host

Technical Parameters

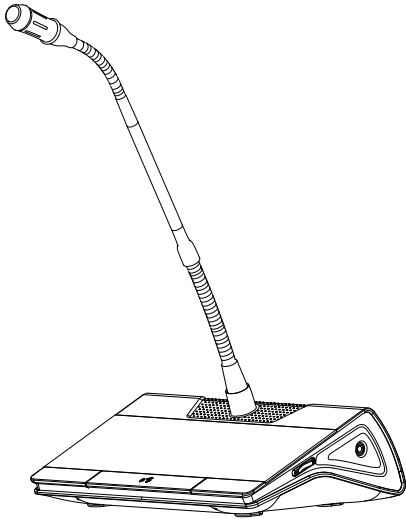
Power supply:	110-240v
Power consumption:	10W
Maximum power:	350W
Output power:	≤110W/24V per channel
Audio output:	Impedance 100Ω balanced
Microphone input:	Impedance: 100KΩ Level: -60dB
Input interface:	RCA socket (2-way)
Output interface:	RCA socket 2 channels, XLR socket 1 channel, 8P aviation socket 2 channels, RJ45 5 channels
Communication interface:	TCP/IP
Distortion:	<0.5%
Signal to noise ratio:	>85dBA
Frequency response:	40Hz-20KHz
Crosstalk attenuation (1KHz):	>50dB
Size:	482L*310W*89H (mm)
Weight:	3500g

Packing List

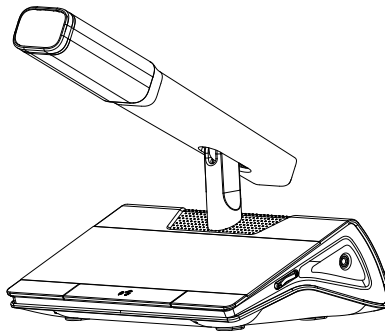
Wired conference host	1 PC
Power cable	1 PC
Warranty card, certificate of conformity	1 PC
USB flash drive	1 PC

Wired Conference Microphone

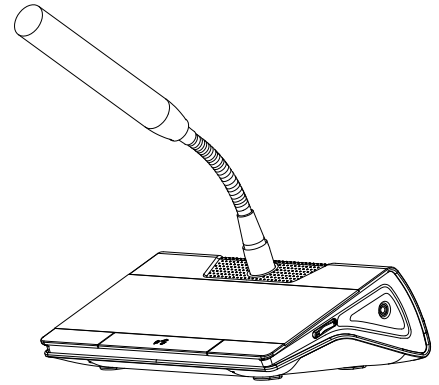
Microphone Pole Type



Gooseneck

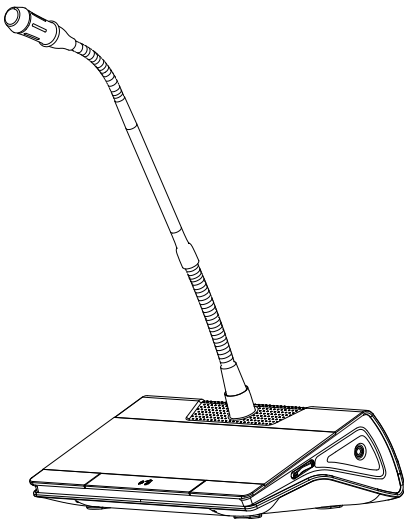


Square

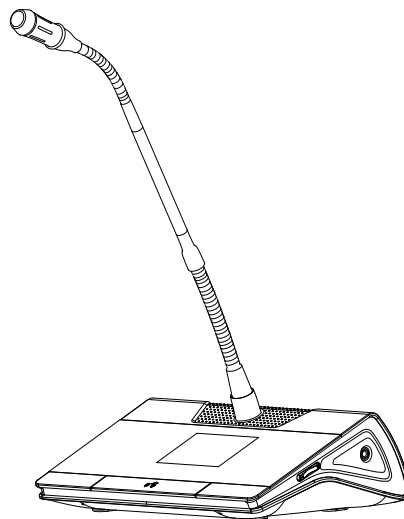


Shotgun

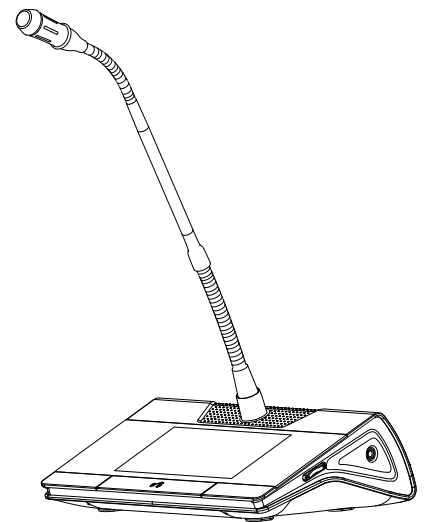
Microphone Screen Type



Screenless



Small screen



Touch screen

Wired Conference Microphone

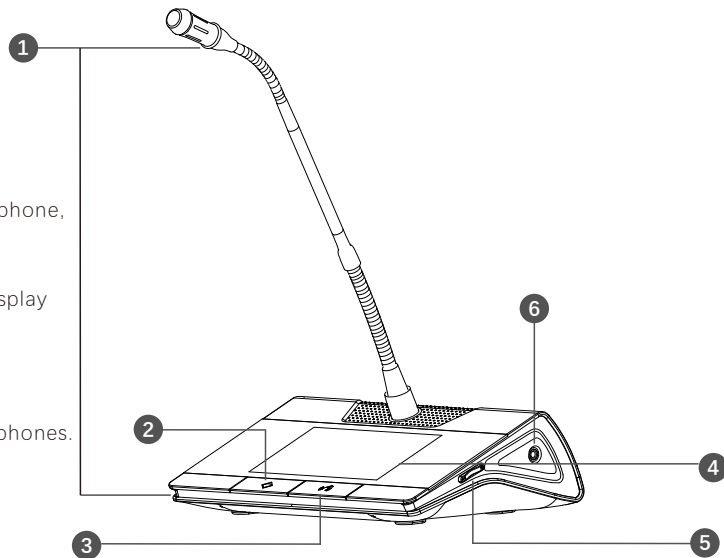
Features

- Stylish and elegant design with simple and convenient operation, meeting ergonomic standards.
- Special electret condenser dual mic capsule design delivers clear and bright sound quality with high sensitivity (optional).
- Microphone digital directional variability technology allows users to adjust the microphone's directional pattern according to different environments, positions, meeting formats, and speaker requirements for optimal audio pickup. Supports five patterns: omnidirectional, wide cardioid, cardioid, super-cardioid, and figure-8 (does not support shotgun).
- Sophisticated 4-inch touchscreen provides interaction for speakers and meeting administrators, displaying the following information (Touch screen only):
 - ① Speaker information (name), real-time and countdown timers for speeches.
 - ② Microphone directional pattern settings.
 - ③ Check-in, voting, and result display.
 - ④ Microphone gain adjustment.
 - ⑤ Interaction between speakers and meeting administrators.
 - ⑥ System language settings (Chinese/English), screen brightness adjustment, and unit information display.
 - ⑦ Standby settings, optional screensaver images, and clock display.
- Full-digital audio technology with a built-in high-performance CPU ensures faster processing speed and better sound quality.
- Customizable dual backup function (analog and digital) ensures stable and reliable system performance for uninterrupted important meetings.
- Ring-loop hand-in-hand connection technology ensures that a microphone fault or replacement does not affect the system's other units. Even if one connection fails, the system remains operational, enhancing reliability.
- Supports hot-swappable connections, allowing microphones to be added to the system at any time.
- The chairman unit features priority control to maintain meeting order and can be connected at any position.
- In request mode, the chairman unit can press the function button to approve delegate microphones to activate.
- Compatible with camera tracking systems for automatic tracking via computer presets.
- Offers five speaking modes: Limit mode, FIFO mode, Free mode, Apply mode, and Voice Activation mode.
- Voice activation sensitivity can be set to intelligently activate microphones and automatically turn them off after a preset idle time.
- Two microphone activation modes: trigger switch or press-and-hold (PTT).
- Dual-color LED indicator lights, with red indicating active status.
- Units include 1.8-meter CAT6 network cables with optional hidden cable exit from the base for a cleaner desktop or rear exit to suit various installation requirements.
- Anti-mobile interference microphone capsule, ensuring a stable and durable connection.
- Equipped with one Ø3.5mm stereo headphone jack for headphone connection.
- Each conference unit has a unique serial number, allowing manual ID assignment within the conference system.

Wired Conference Microphone

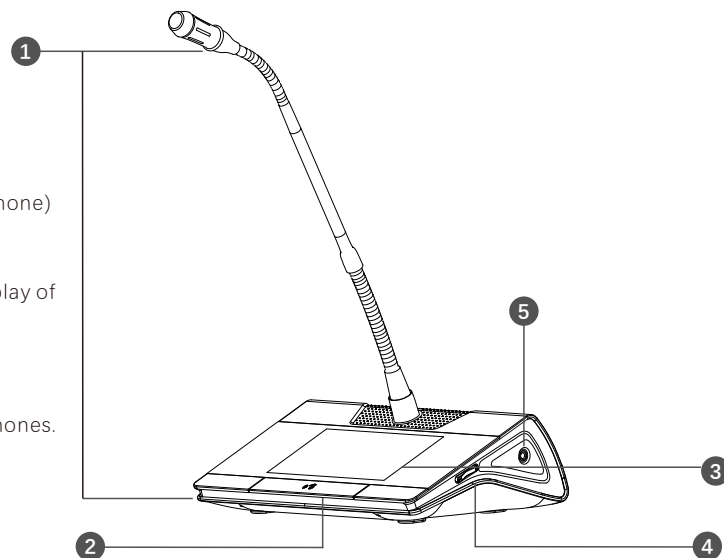
Chairman Microphone Introduction

- 1 Microphone working indicator light.
- 2 Chairman priority button, turn off the delegate microphone in first-in-first-out mode.
- 3 Speak button, short press to turn on/off the microphone, long press to enter the setting state.
- 4 4.3-inch LCD high-definition display, real-time display of the current working status of the unit.
- 5 Microphone volume button.
- 6 Stereo headphone jack can be connected to headphones.



Delegate Microphone Introduction

- 1 Microphone working indicator light.
- 2 Speak button (short press to turn on/off the microphone) long press to enter the setting state.
- 3 4.3-inch LCD high-definition display, real-time display of the current working status of the unit.
- 4 Microphone volume button.
- 5 Stereo headphone jack can be connected to headphones.



Wired Conference Microphone

Microphone Technical Parameters

Square wired unit (Touch screen, small screen, no screen)

Power supply	DC24V host power supply
Connection method	CAT6E network cable
Power consumption	2.5W/2W/1.5W
Polar pattern	omnidirectional, wide cardioid, cardioid, supercardioid, figure 8, etc.;
Microphone type	cardioid condenser
Distortion	<1%
Frequency response	40Hz-20KHz
Switch mode	physical switch
Sensitivity	-32dBV
Dimensions	Base 180*142*59mm Square pole 224*39*27mm
Weight	1180g/1140g/1120g

Gooseneck wired unit (Touch screen, small screen, no screen)

Power supply	DC24V host power supply
Connection method	CAT6E network cable
Power consumption	2.5W/2W/1.5W
Polar pattern	omnidirectional, wide cardioid, cardioid, supercardioid, figure 8,
Microphone type	cardioid condenser
Distortion	<1%
Frequency response	40Hz-20KHz
Switch mode	physical switch
Sensitivity	-32dBV
Dimensions	Base 180*142*59mm Gooseneck 415mm
Weight	870g/830g/810g

Shotgun wired unit (Touch screen, small screen, no screen)

Power supply	DC24V host power supply
Connection method	CAT6E network cable
Power consumption	2.5W/2W/1.5W
Polar pattern	cardioid
Microphone type	cardioid condenser
Distortion	<1%
Frequency response	40Hz-20KHz
Switch mode	physical switch
Sensitivity	-32dBV
Dimensions	Base 180*142*59mm Shotgun 245mm
Weight	870g/830g/810g

Wired Conference Microphone

Packing List

Gooseneck

Microphone	1 PC
Windshield foam	1 PC
Junction box	1 PC
Microphone base	1 PC

Shotgun

Microphone	1 PC
Windshield foam	1 PC
Junction box	1 PC
Microphone base	1 PC

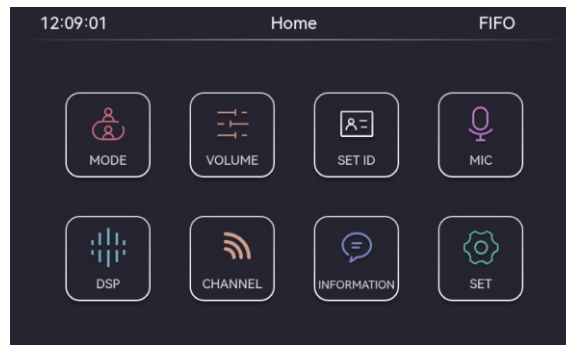
Square

Microphone	1 PC
Windshield foam	1 PC
Junction box	1 PC
Microphone base	1 PC

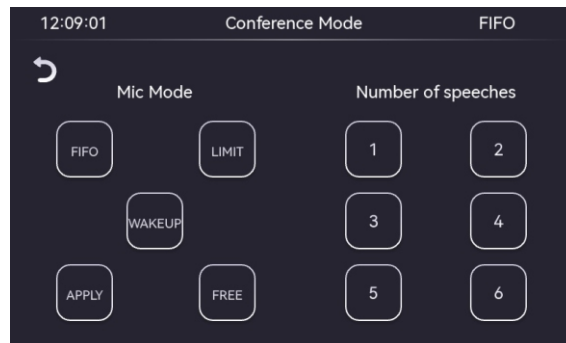
Function Introduction

Digital Convergence Conference Host

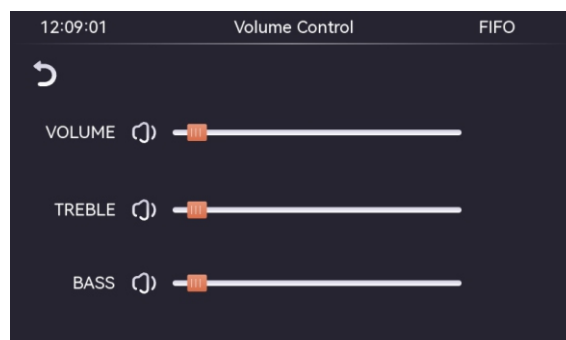
- 1 Power on**-- After the power is turned on, turn the boat switch on the back of the wired conference host to the - direction to turn on the host. After the host is successfully started, the display will light up and enter the initial interface (home page). The home page can be touched to select the corresponding function.



- 2 Meeting mode**-- You can set the speaking mode of the current meeting: first-in-first-out mode, limited mode, free mode, apply mode and voice wake-up mode. You can also set the maximum number of microphones that can speak.



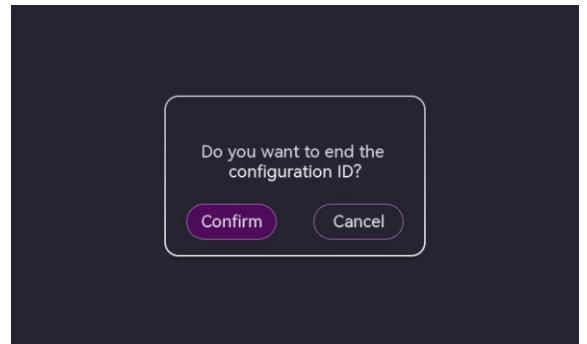
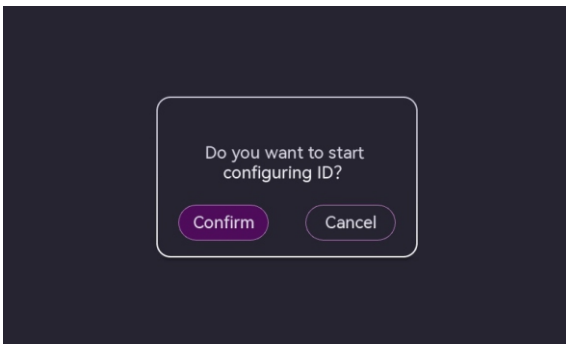
- 3 Volume control**-- The overall volume, treble and bass can be adjusted. The overall volume can be adjusted from -10db to +15db, and the treble and bass can be adjusted from -6db to +6db.



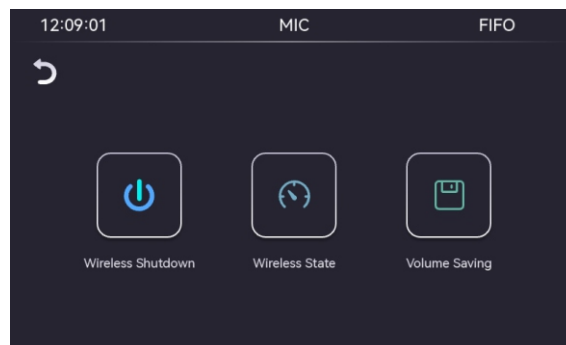
Function Introduction

Digital Convergence Conference Host

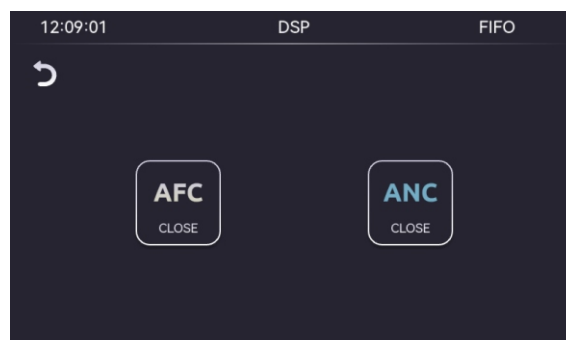
- 4 **Configuration ID**--You can clear the ID and configure the ID of the currently connected microphone. After turning on the configuration ID and waiting for 3 seconds to close it, the ID of the currently connected microphone will be cleared. After turning on the configuration ID, you can press the microphone's speech button to apply for an ID. After the application is successful, the configuration ends. For a newly connected microphone, you can press and hold the microphone volume + button to apply for an ID without reconfiguring the ID.



- 5 **Microphone unit**--It needs to be used with a wireless host, and can be used for: Wireless shutdown - turn off the wireless microphone, etc., Wireless status - view the connection information of the wireless microphone such as signal strength, channel, microphone ID, microphone power, etc., Volume save - save the current volume setting of the wireless microphone.



- 6 **DSP**--Digital signal processing, can enable noise reduction algorithm ANC, howling suppression function AFC.



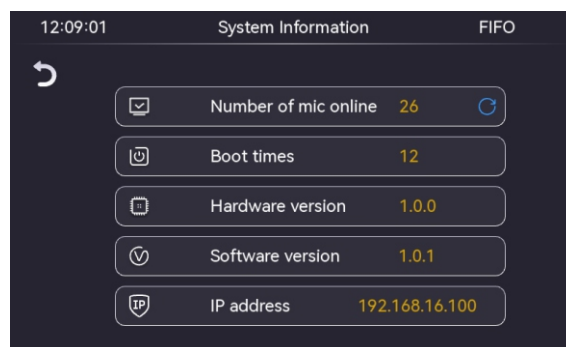
Function Introduction

Digital Convergence Conference Host

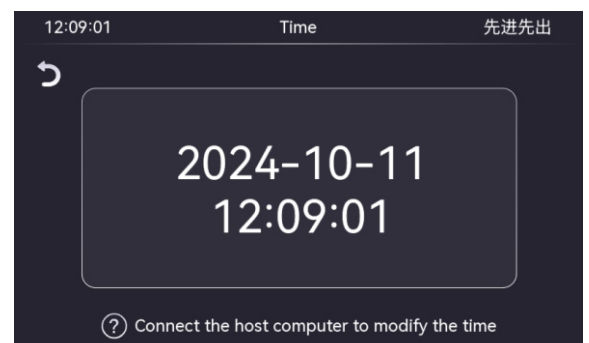
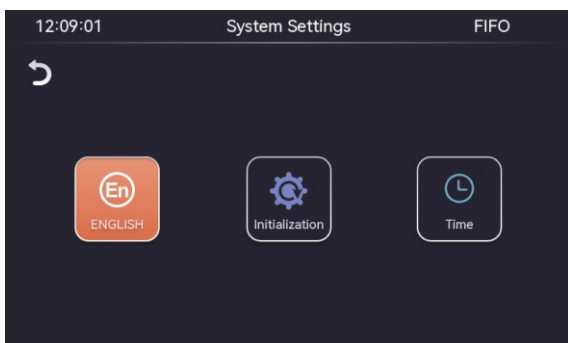
- 7 **Wireless channel**--The channels between the wireless host and the wireless microphone can be switched. There are 1 to 15 channels to switch.



- 8 **System information**--You can query the current number of online microphones, power-on times, software version and hardware version.



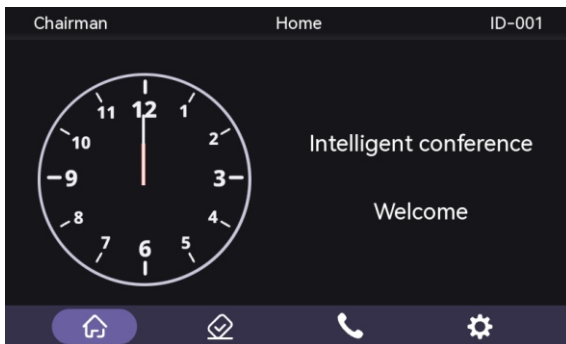
- 9 **System settings**--You can switch the system language (Chinese and English), restore factory settings, and modify the system time (need to be connected to the host computer).



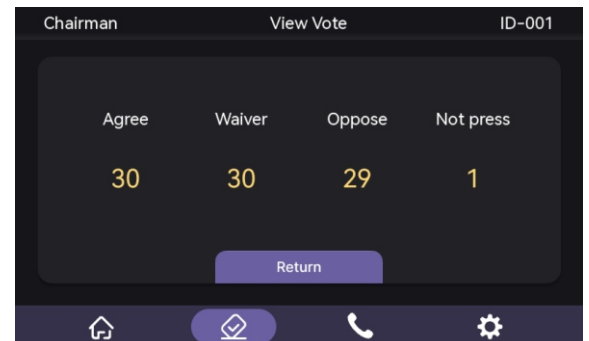
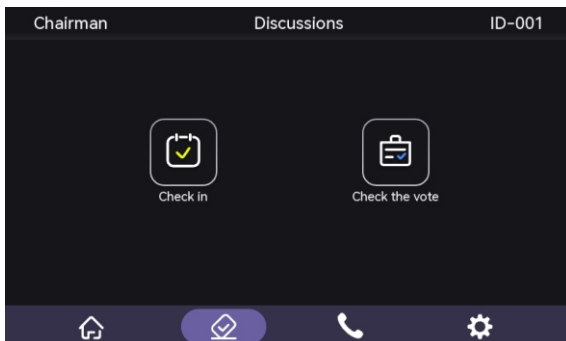
Function Introduction

Wired Conference Microphone

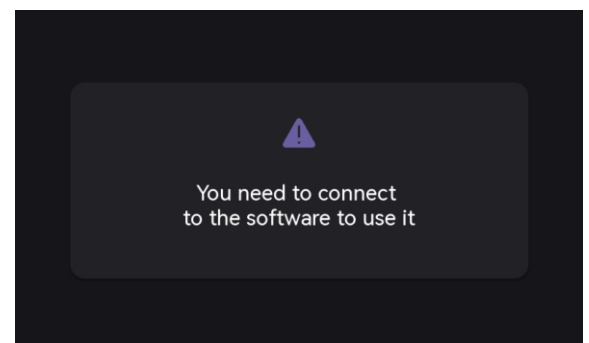
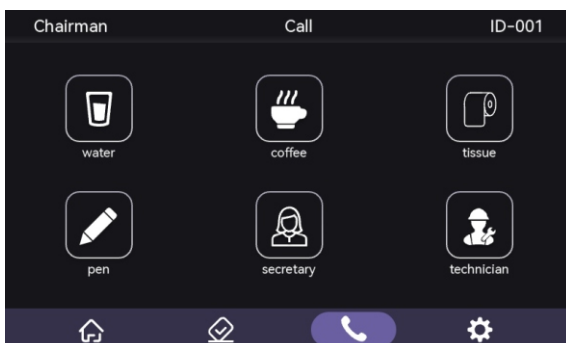
- 1 Power on** -- Connect the microphone to the host. The microphone will automatically turn on after the host is turned on. The small screen of the microphone will light up and enter the initial interface (home page). The touch microphone can be interacted by touch. The small screen microphone only displays according to the current status of the microphone. The current ID of the microphone and the microphone authority (chairman or delegate) will be displayed at the top of the home page.



- 2 Meeting discussion** -- Check in and vote results can be viewed.



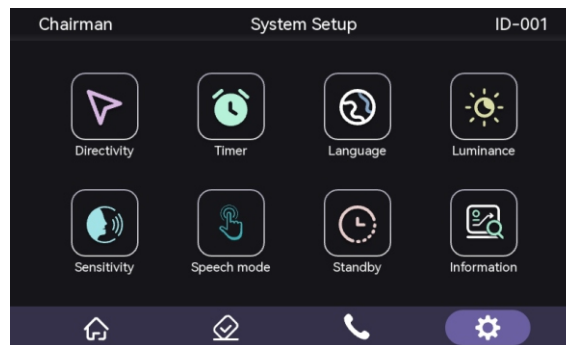
- 3 Call** -- It needs to be connected to a PC host computer for use. When it is not connected to a PC host computer, a text prompt will appear. You can initiate various needs such as water, coffee, tissues, pens, calling secretaries, calling engineers, etc.



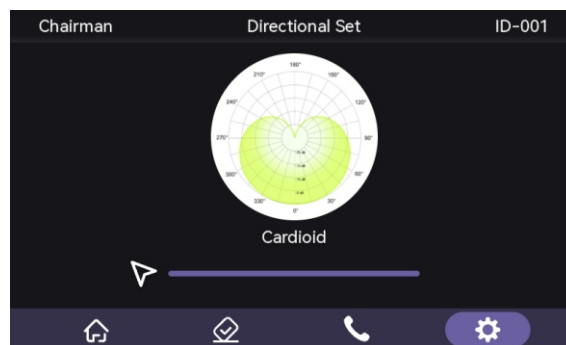
Function Introduction

Wired Conference Microphone

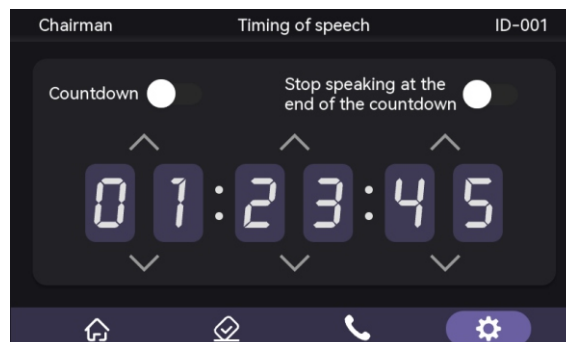
- 4 **System settings**--There are 8 options including polar pattern, speaking timer, voice, screen brightness, voice control, speaking mode, standby interface, information query, etc., which will be introduced one by one later.



- 5 **Polar pattern**--omnidirectional, cardioid, super cardioid, wide cardioid, and figure-8



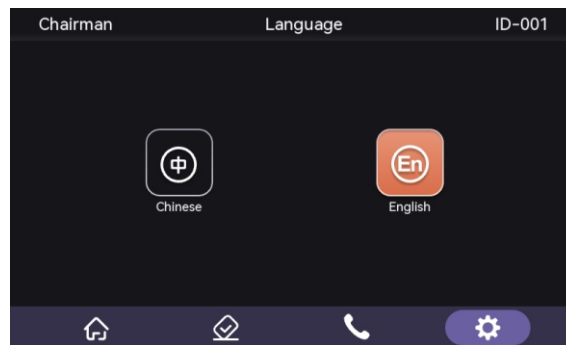
- 6 **Speech timer**--You can set the countdown time. After turning on this function, the microphone will count down when you start speaking, and will automatically stop speaking when the countdown ends.



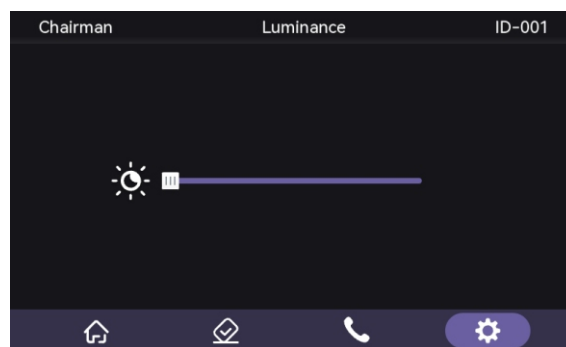
Function Introduction

Wired Conference Microphone

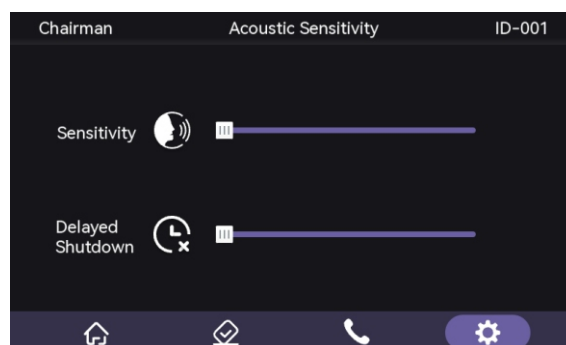
- 7 **Language**--Support switching between Chinese and English.



- 8 **Screen brightness**--Adjustable microphone display brightness.



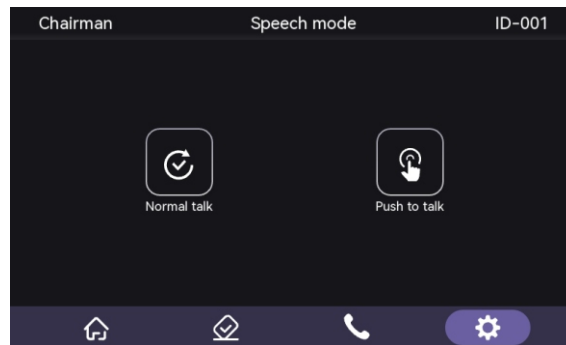
- 9 **Voice control**--The microphone sensitivity when using the voice wake-up function can be adjusted, with a total of ten gears. And the time it takes for the microphone to automatically turn off after waking up. The initial gear of the small screen and screenless microphone is 5, and the adjustment needs to be made after connecting to the host computer.



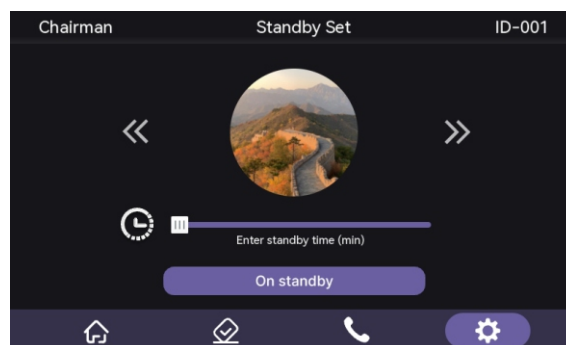
Function Introduction

Wired Conference Microphone

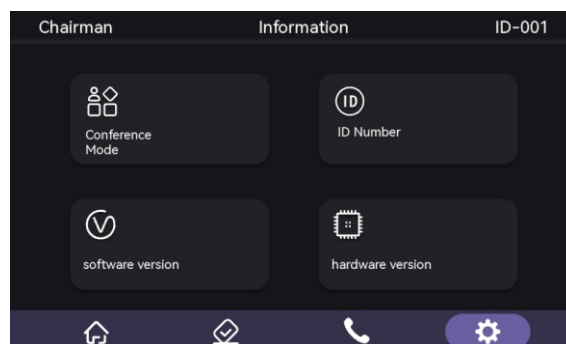
- 10 **Speech mode**--Can switch between two states: click the button to speak and long press the button to speak.



- 11 **Standby settings**--The standby function can be turned on or off, and the standby picture and the time to enter standby mode can be modified.



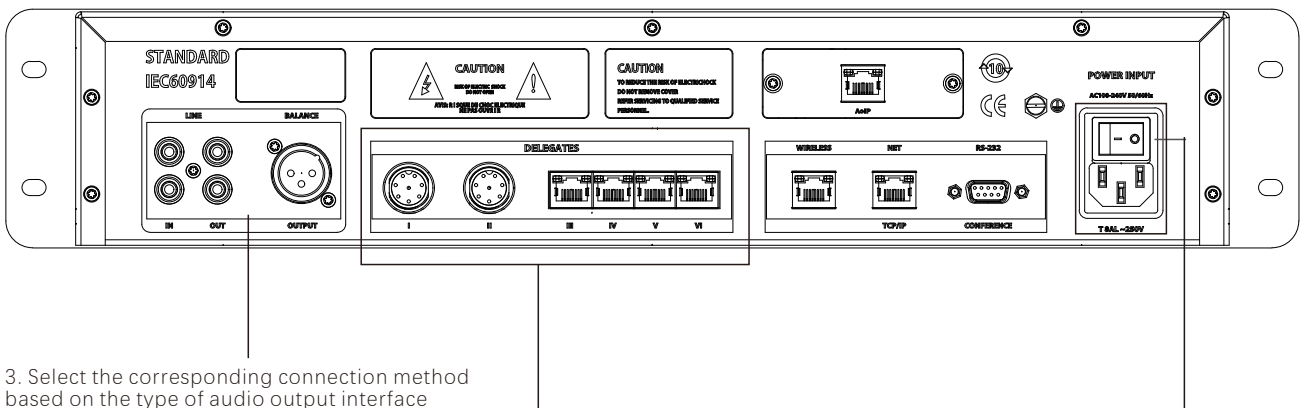
- 12 **Information inquiry**--The current conference mode, microphone ID number, software version, and hardware version can be viewed.



Usage Guidelines

Configure ID

- 1 The wired conference system requires configuring the microphone ID before it can be used normally. After connecting the wired conference host to the power supply, turn on the boat shaped switch at the back to turn it on. After turning on, select the corresponding connection method to connect the wired microphone, and the microphone will automatically power on for startup. The corresponding audio output interface can be connected, and after configuring the ID, the wired conference system can be used normally.

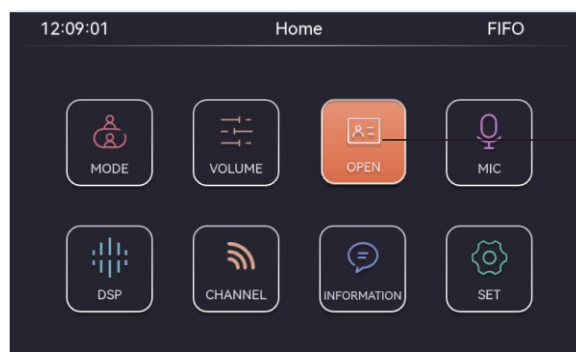


3. Select the corresponding connection method based on the type of audio output interface

2. Select the corresponding connection method for the microphone based on the type of connection port

1. After connecting the power cord, turn the boat shaped switch to - for power on

- 2 After the wired conference host and wired conference microphone are turned on normally, click on the ID configuration function on the conference host display screen to enable ID configuration. After the microphone receives the host signal, the indicator light will flash. You can click the speak button to apply for an ID. After the application is successful, a corresponding prompt will appear on the display screen, and the indicator light will stop flashing. After all microphone configuration IDs are completed, click the host configuration ID function again to end the configuration ID.



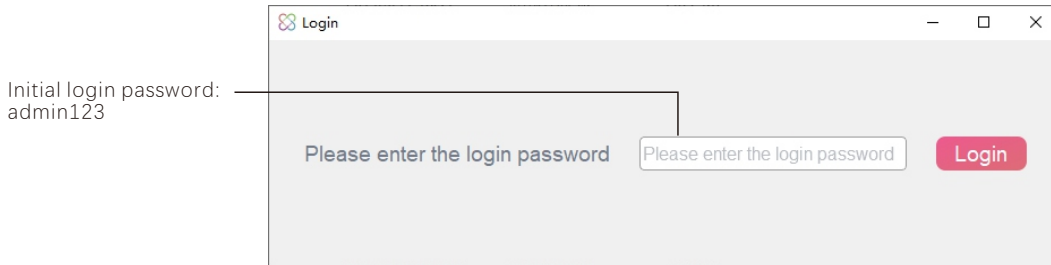
Click to enable/disable the configuration ID function

- 3 The wired conference system can be controlled by connecting to a PC and using upper computer software. You can connect the TCP/IP of the conference host to the local area network or to a PC. It can be controlled using the upper computer software.

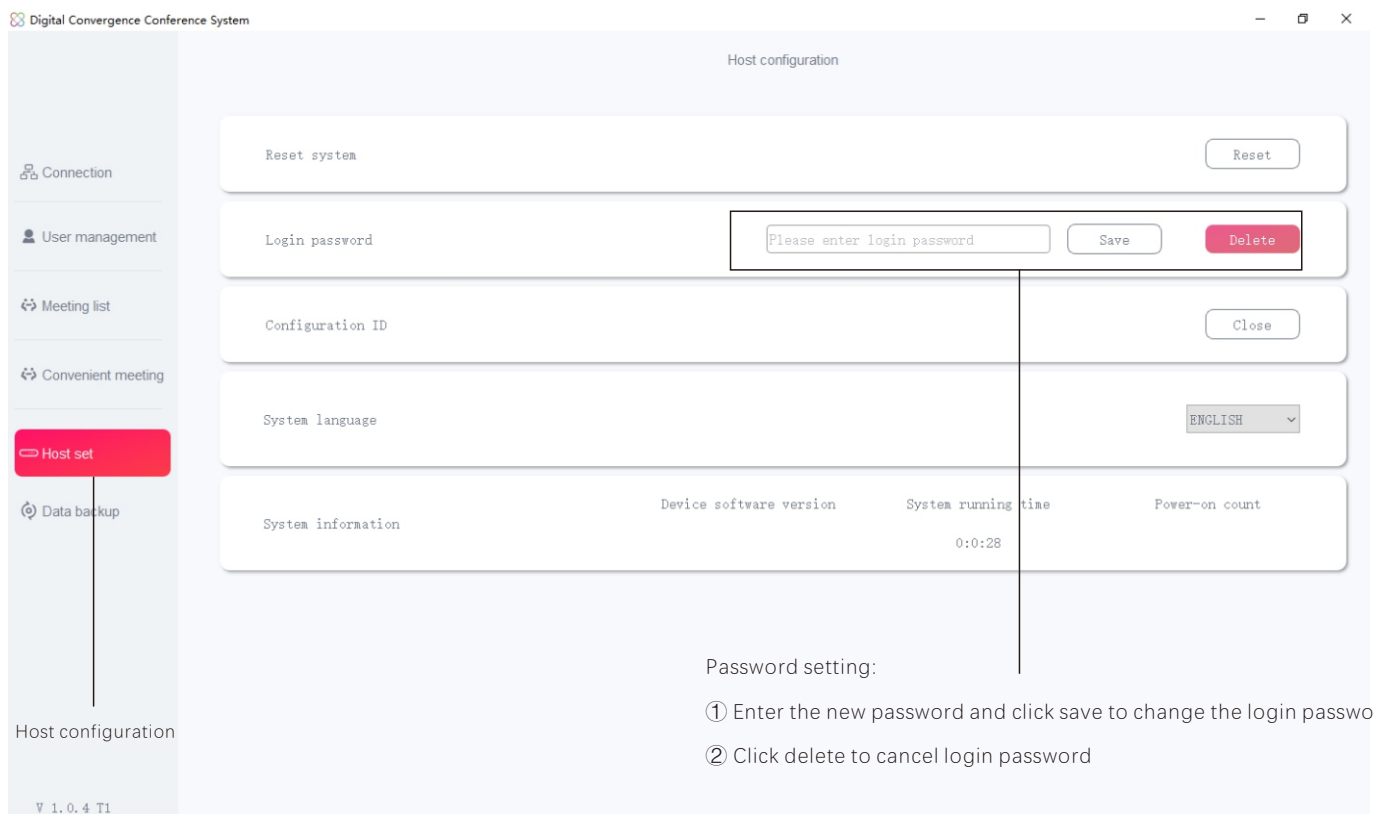
Usage Guidelines

PC upper computer - login

- 1 Login - According to the system, open the folder "setup_64" or "setup_32", double-click "UN_Conference_System.exe" to run the upper computer software. When using, a login password is required. The initial password is admin123.



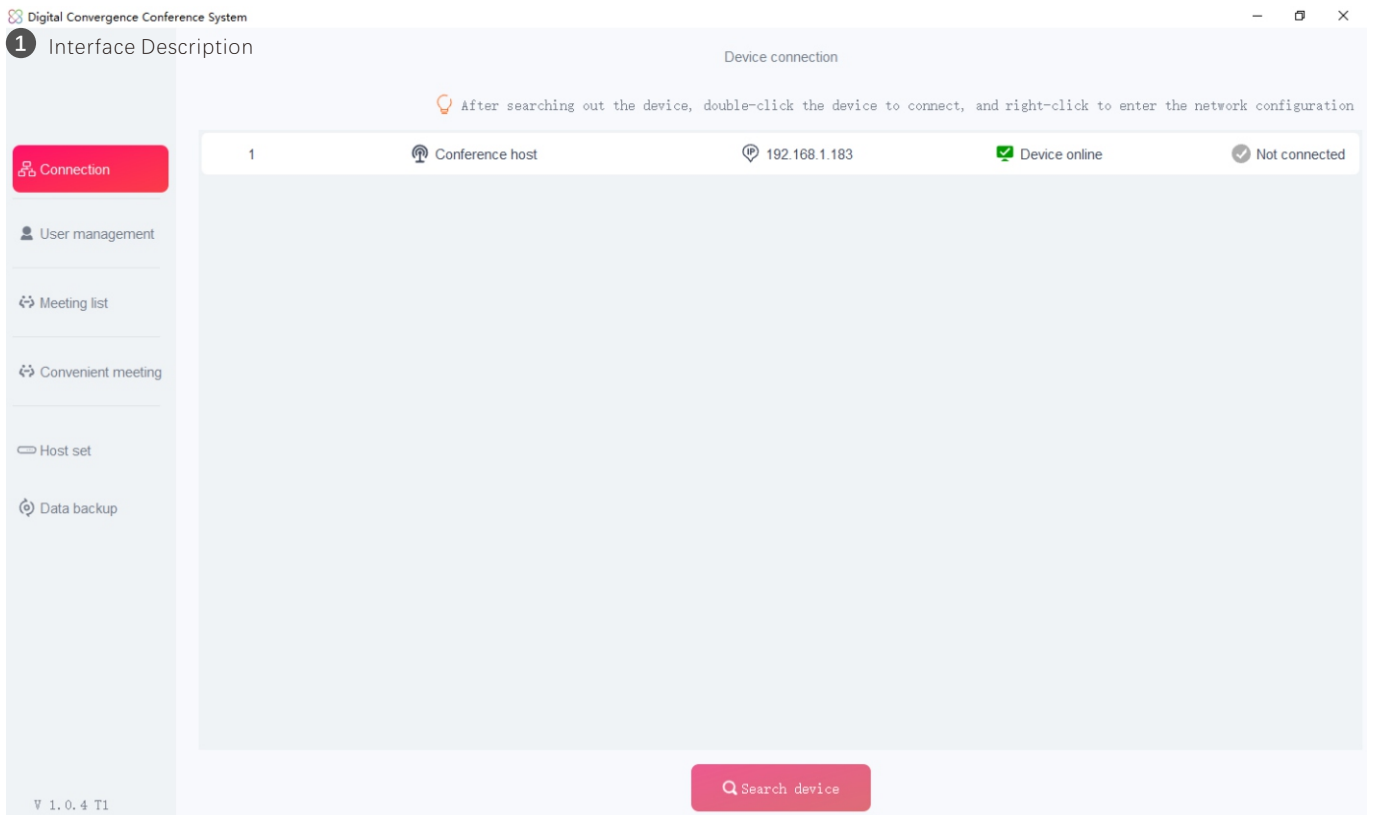
- 2 Password setting - Enter the password and click OK to successfully enter the main interface of the upper computer software. The subsequent password modification or clearing of login password can be set in the host configuration interface.



Password setting:

- ① Enter the new password and click save to change the login password
- ② Click delete to cancel login password

PC upper computer - Function introduction



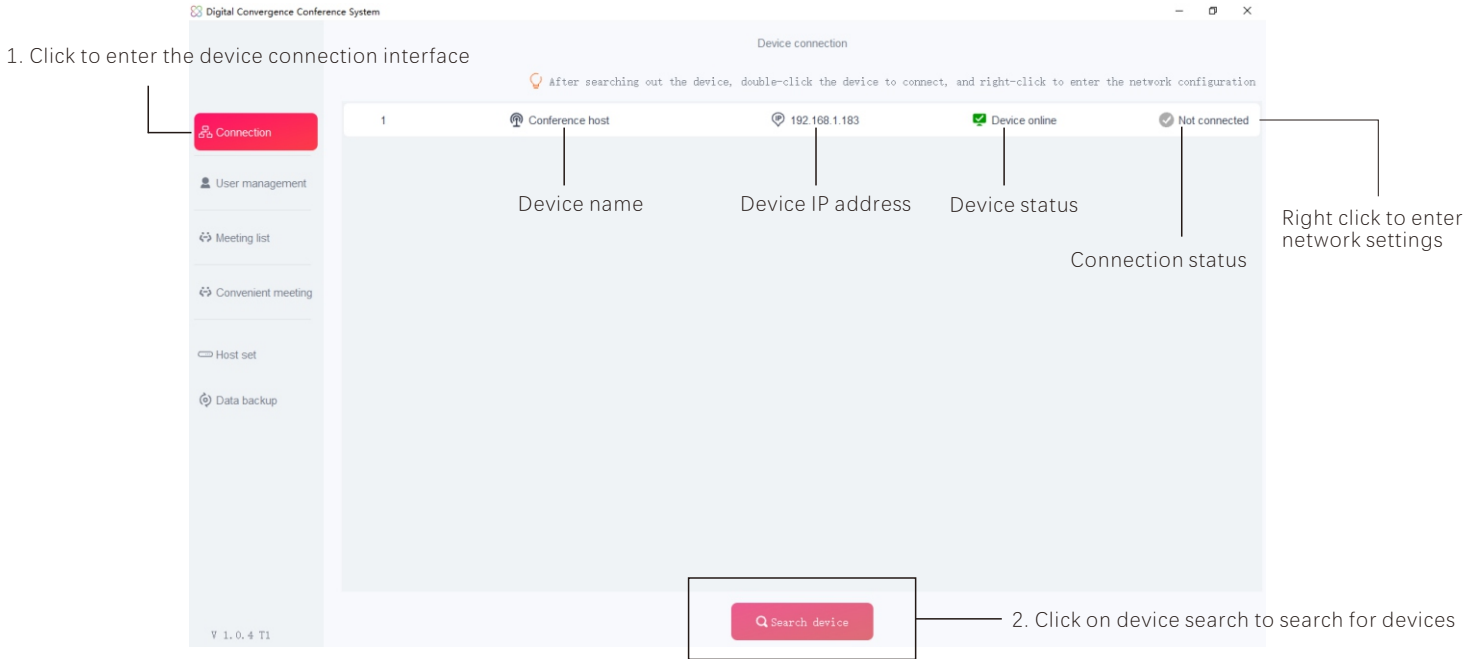
The PC host software interface includes the following functional modules: Device Connection, Participant Management, Meeting List, Quick Meeting, Host Configuration, and Data Backup.

- ① Participant Management – Add or edit meeting attendees, with support for importing/exporting participant lists via spreadsheets.
- ② Meeting List – Create new meetings or view past meetings. Enables host-controlled functions such as roll call, voting, and request calls.
- ③ Meeting List – Create new meetings or view past meetings. Enables host-controlled functions such as roll call, voting, and request calls.
- ④ Quick Meeting – Provides basic control over the host and microphones but does not support roll call, voting, or request calls.
- ⑤ Wireless Configuration (Available only when connected to a wireless host) – Adjust wireless range, channels, check signal strength, and remotely power off wireless microphones.
- ⑥ Host Configuration – Supports host reset, password modification, ID assignment settings, software language switching, and system information viewing.
- ⑦ Data Backup – Export or import software data for backup and restoration.

PC upper computer - device connection

1 All functions of the PC upper computer need to be connected to the device before it can be used normally.

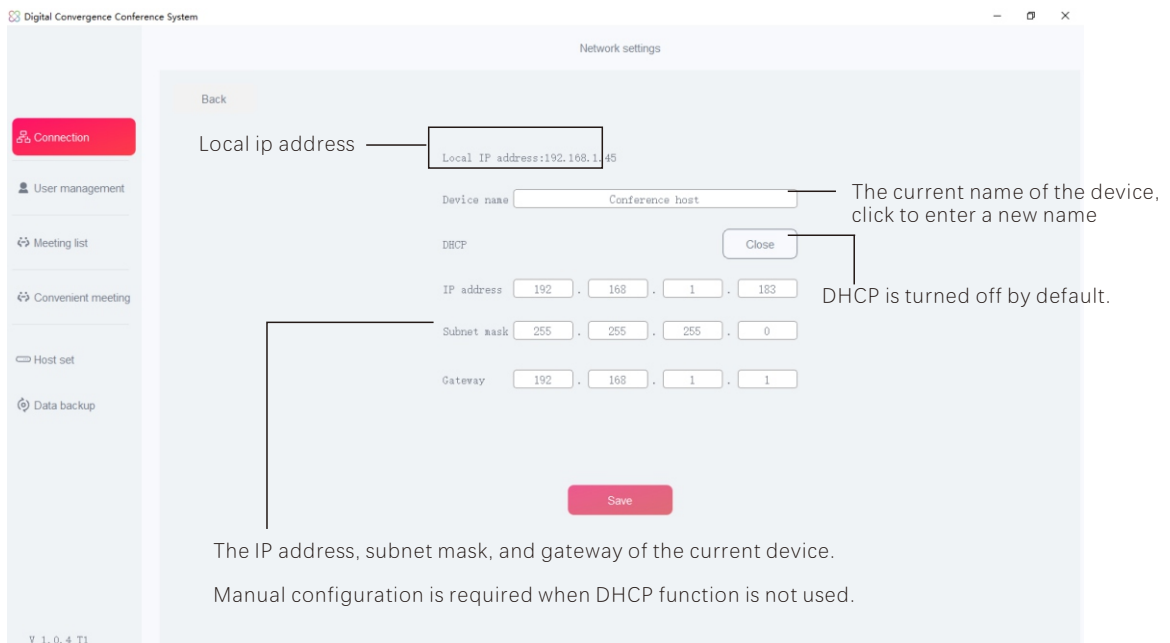
1. Click on the device connection to enter the connection interface.
2. After clicking on the device search, the conference host connected to the PC will appear in the list. How to connect a conference host to a PC can be redirected to the Getting Started Guide - Wireless Conference Host Configuration.



2 After successfully searching for the device, it is necessary to configure the correct IP address in order to connect successfully.

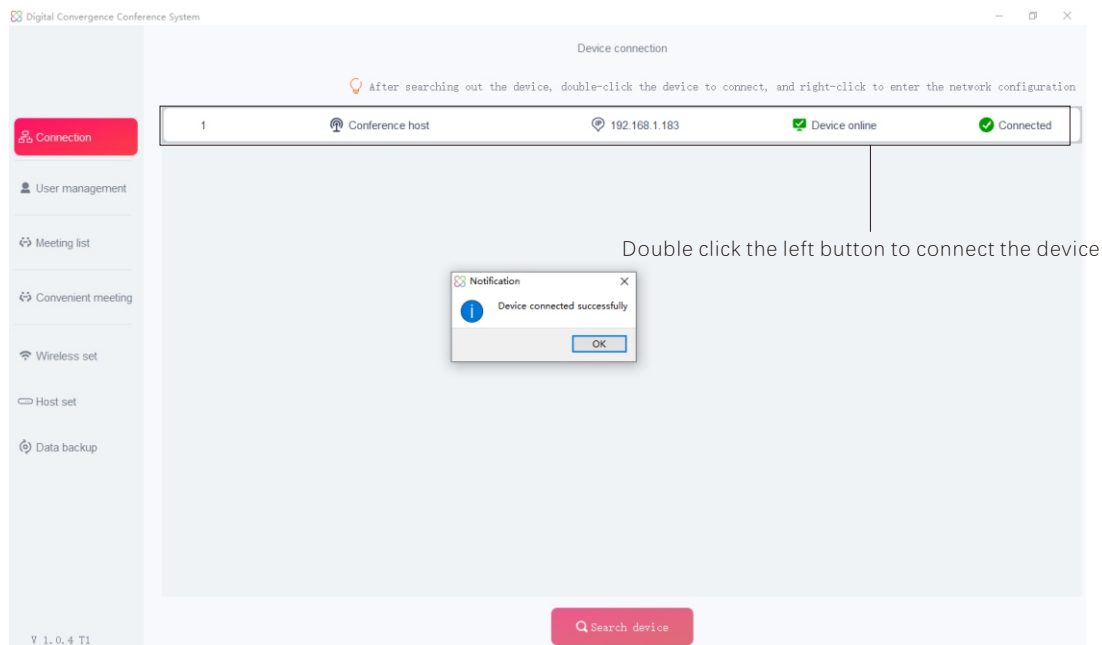
1. Right click on the device in the list to enter the network settings interface.
2. Modify IP address:

① When the connection method between the conference host and PC is LAN, you can click to enable DHCP without manually configuring the IP address. ② When the conference host is directly connected to the PC via Ethernet, the IP address needs to be manually configured. Change the IP address of the device to the same network segment as the PC. After configuration is complete, click save to return to the list interface.

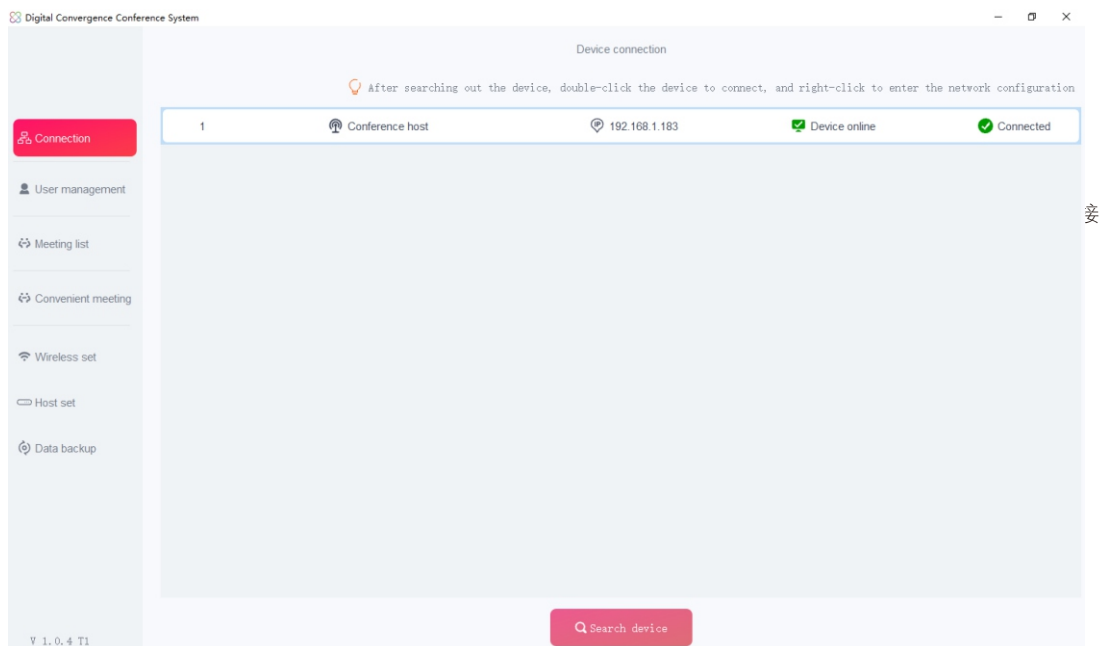


PC upper computer - device connection

- 3 Double click the configured device to connect, and a corresponding prompt will appear after successful connection.

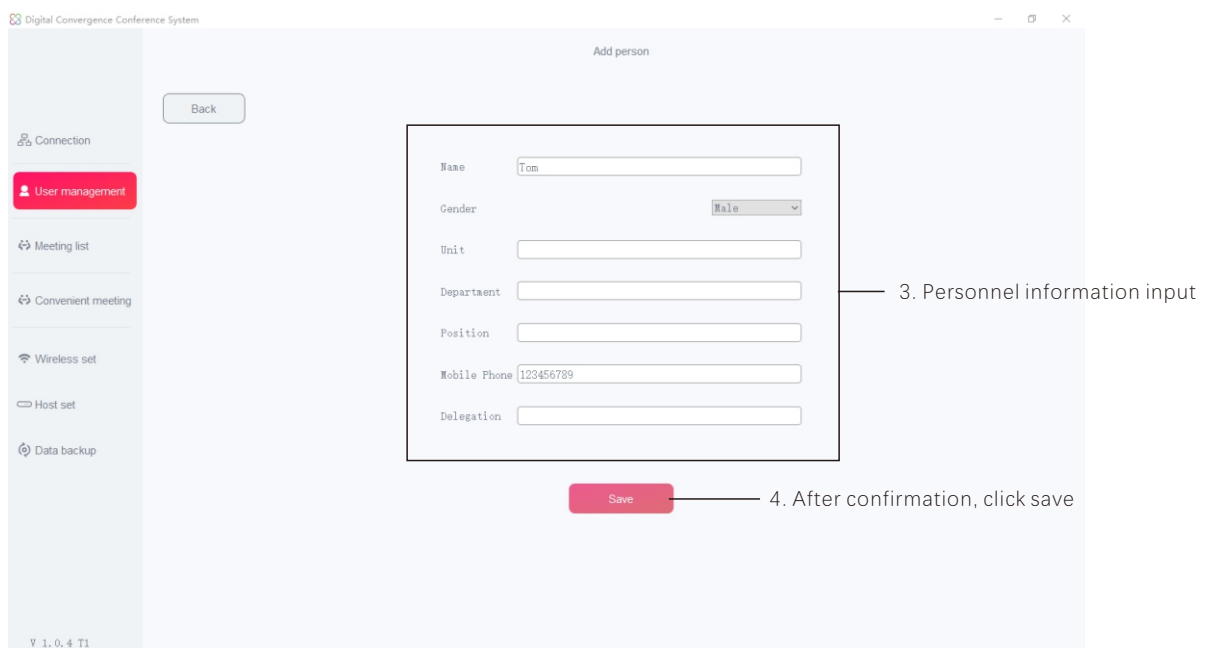
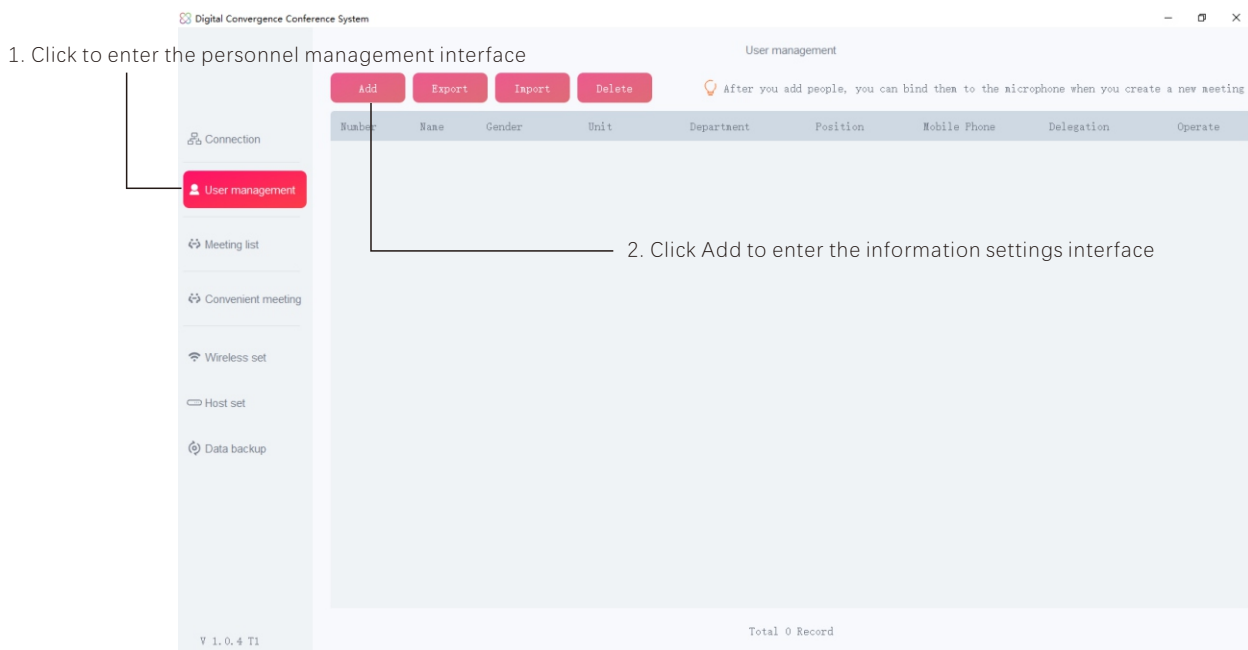


- 4 After successful connection, the device connection status will be displayed as connected



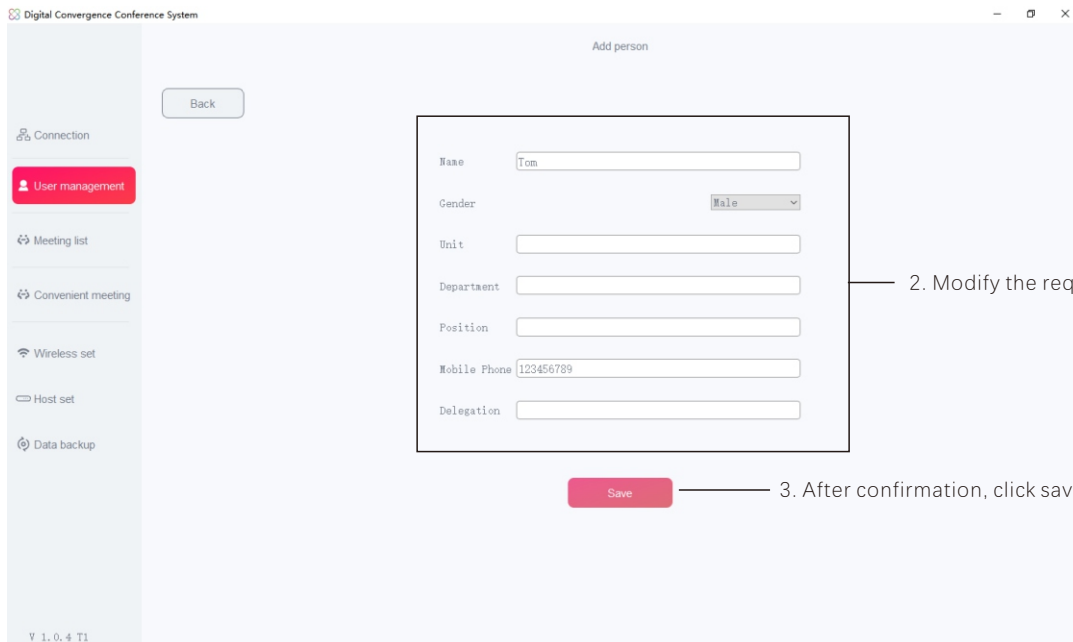
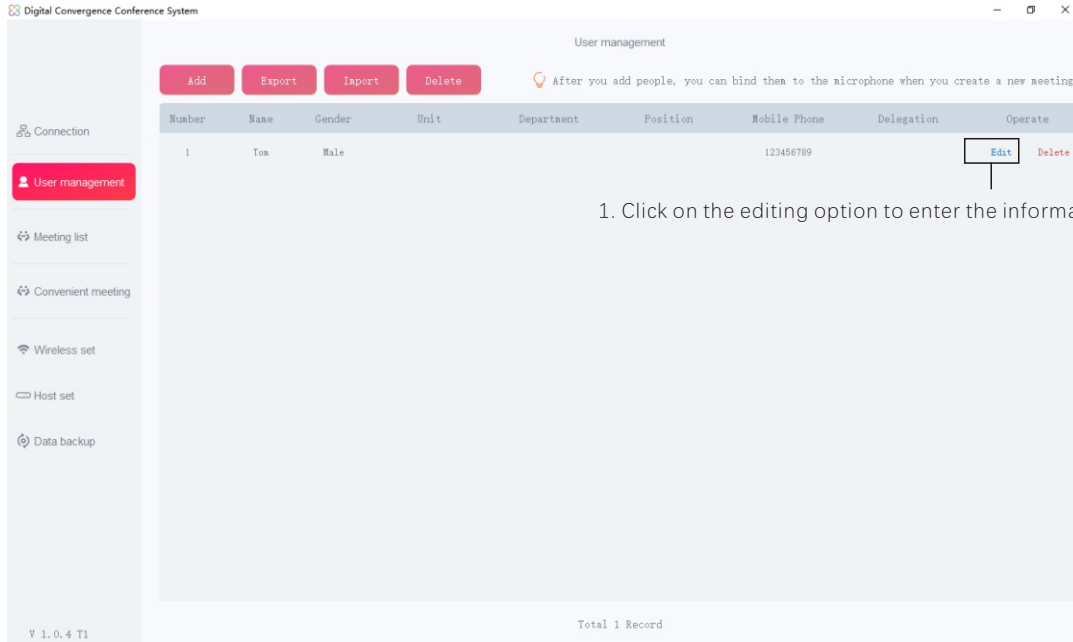
PC upper computer - personnel management

- 1 Personnel management allows for the entry of meeting attendees (additional attendees can be added to the personnel management list when using subsequent functions).
 1. Click on personnel management to enter the management interface.
 2. Enter meeting attendees:
 - ① Click 'Add' to enter the information settings interface and manually enter the meeting attendees.
 - ② By using the import function, you can obtain the corresponding format table through export, input the content according to the format, and save it. Use import to import personnel information from the table.



PC upper computer - personnel management

- When the information of the conference attendees in the list needs to be modified, you can click the edit button on the right to enter the editing interface. After modifying the corresponding information, click save to complete the modification.



PC upper computer - conference list

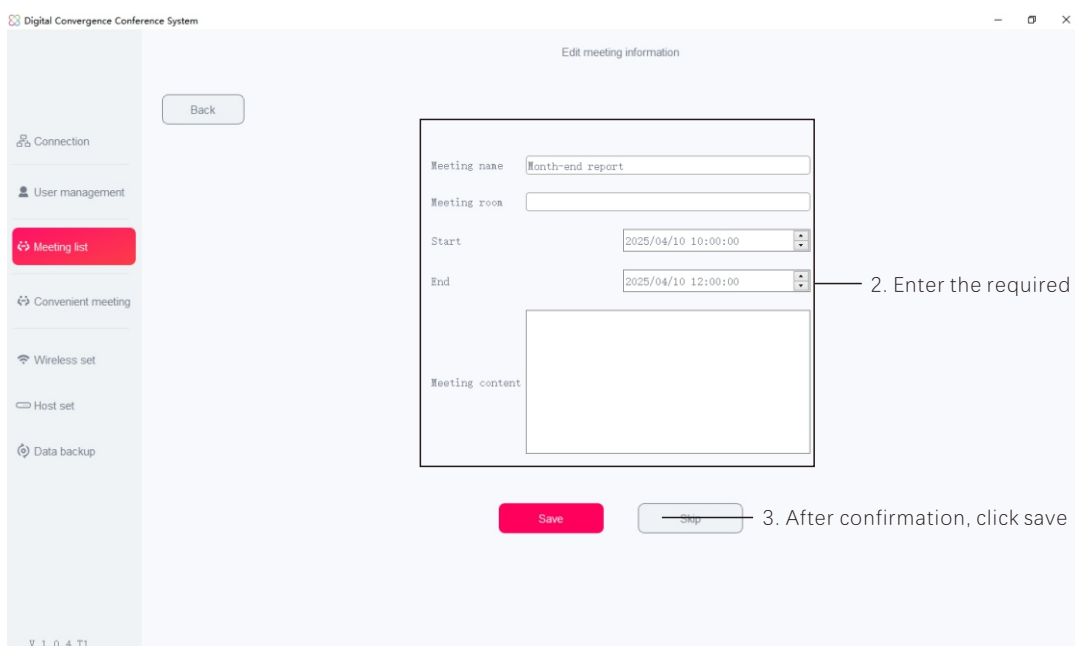
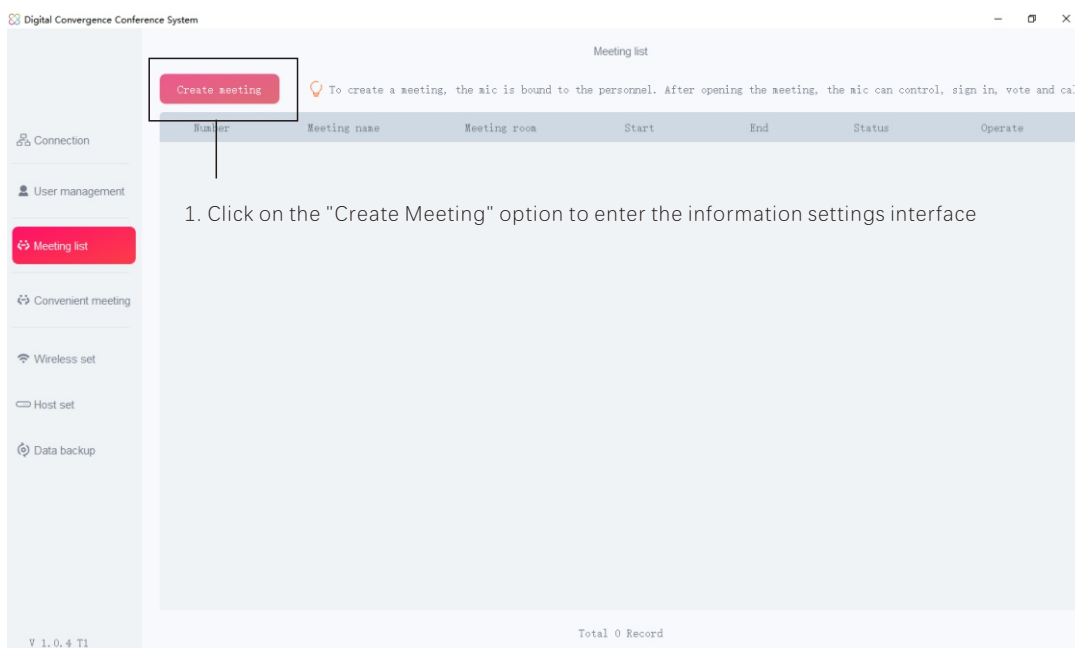
① The meeting list function is the core module of the upper computer software, where meetings can be created and features such as attendance and voting can be added based on the type of meeting. The microphone can be linked to conference personnel to view check-in and voting information, and precise positioning can be achieved when using conference services.

1. Click on the meeting list to enter the meeting interface.

2. Create a meeting:

① Click on the 'Create Meeting' option to enter the information settings interface, where you need to manually enter the meeting name, content, and other information.

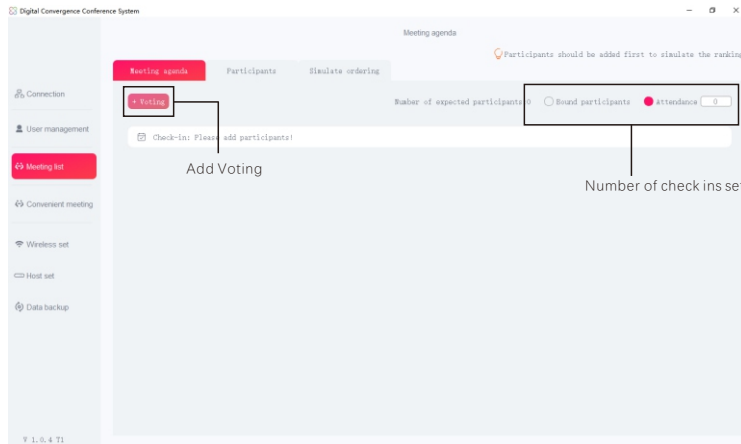
② After clicking save, enter the pre meeting preparation stage. It is divided into three parts: meeting agenda - can set attendance and create voting information, attendees - can add meeting personnel, simulated ranking - can bind microphone, modify microphone permissions.



PC upper computer - conference list

- ② The meeting agenda can set the number of attendees for the current meeting check-in. There are two options. When using the bound number of people, the software will automatically generate the expected number of people based on the number of people bound during simulated ranking.

The actual number option allows for manual input of the expected number of people.



When you need the voting function, you can click on the voting option in the upper left corner (as shown in the picture above) to enter the voting settings page.

There are three main types of voting:

- ① Voting (three options are available for voting: yes, no, no).
- ② Rating (there are five options available for voting: poor, passing, average, good, etc.)Excellent).
- ③ Election (there are five options available for voting, from candidate 1 to candidate 5).

There are two voting methods:

- ① Sign in first and then vote, and the voting function can only be activated after sign in.
- ② Direct voting allows for the activation of the voting function without the need for sign in.

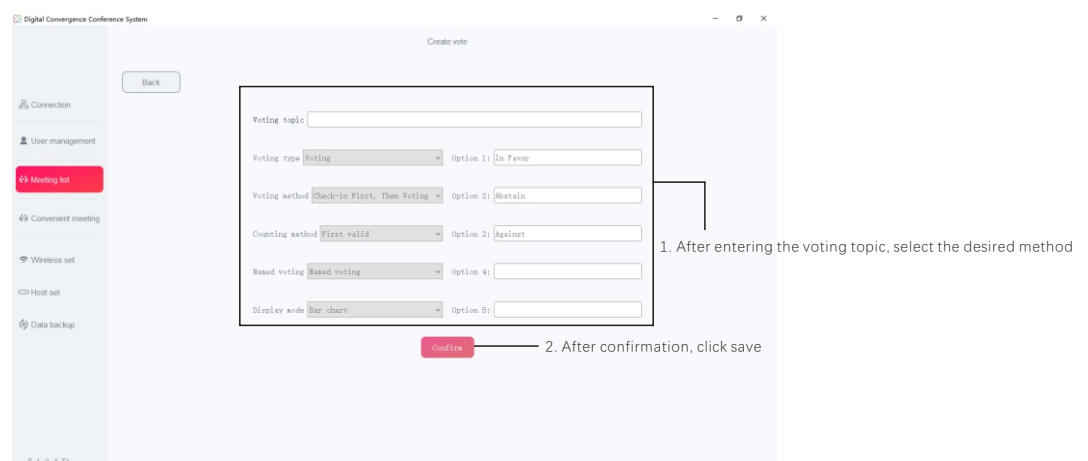
There are two ways to count votes:

- ① It is valid for the first time and the voting options cannot be modified after the vote.
- ② Last valid, voting options can be modified before the end of voting, and will not be recorded until the end of voting Previous options.

There are two ways of naming: ① Naming, which records the voting data and names of the microphone and bound personnel during voting.

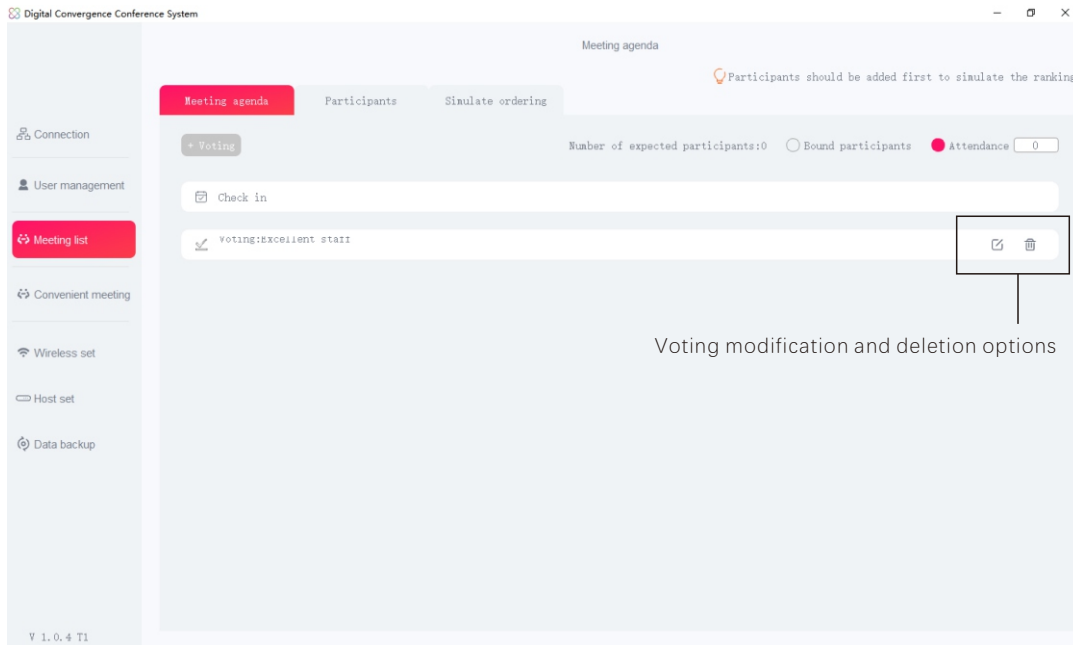
After the meeting, you can view it from the meeting minutes Anonymous. Only recording the microphone Voting data will not record names

There are three display modes: bar chart, pie chart, and text. After the voting is enabled, the voting data can be displayed on the screen according to the selected display method.

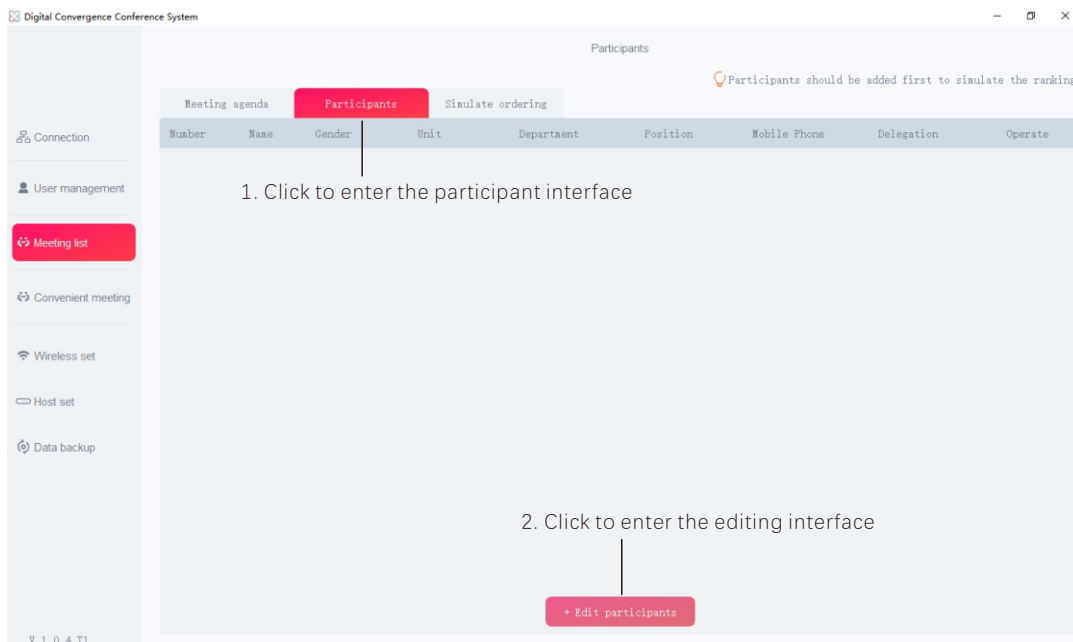


PC upper computer - conference list

After the vote is created, it can be modified and deleted.

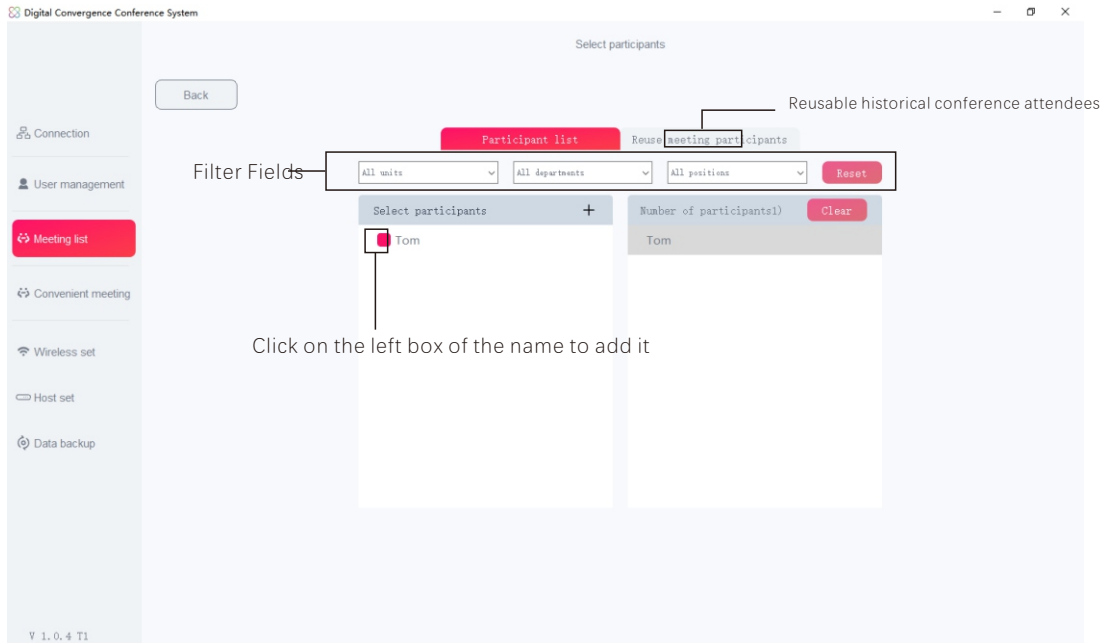


- 3 Click on the attendees above to enter the attendees interface. Click on the 'Edit Attendees' option below to add the attendees managed by the input personnel to the current meeting. Used for subsequent microphone binding and data recording.

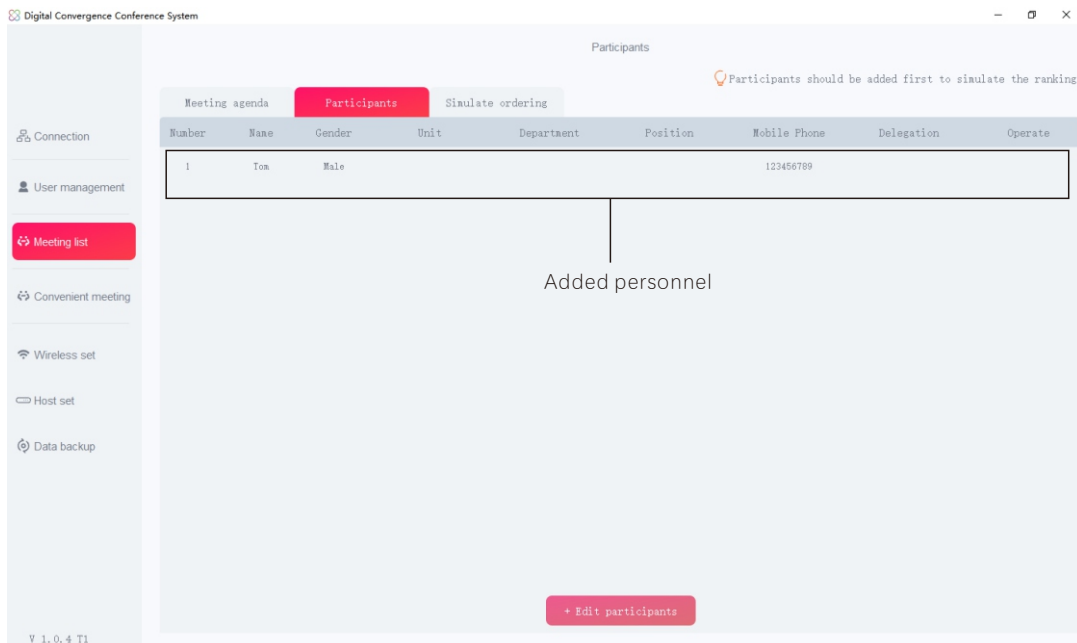


PC upper computer - conference list

You can filter and locate the personnel who need to attend the meeting through the filtering bar. After positioning, you can click on the personnel to add. The option to reuse meeting personnel allows for the reuse of historical meeting personnel without the need for manual addition.

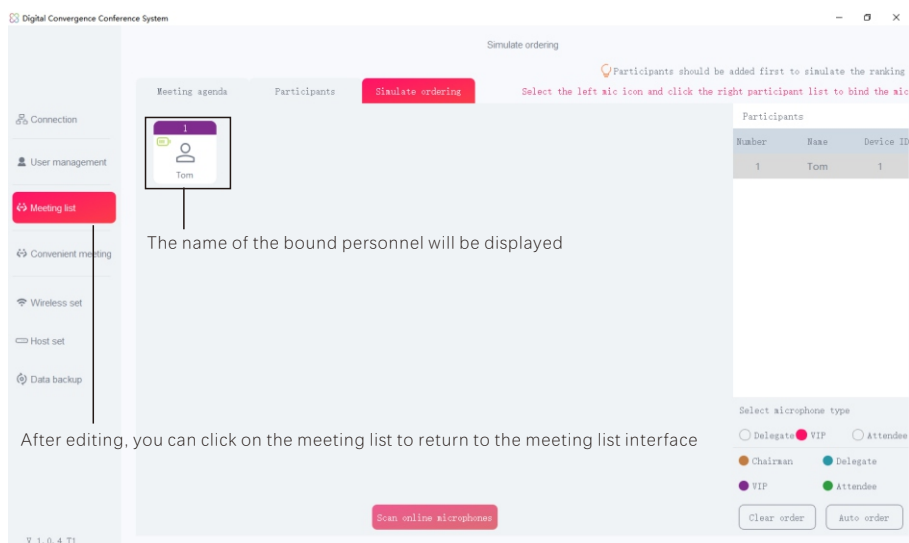
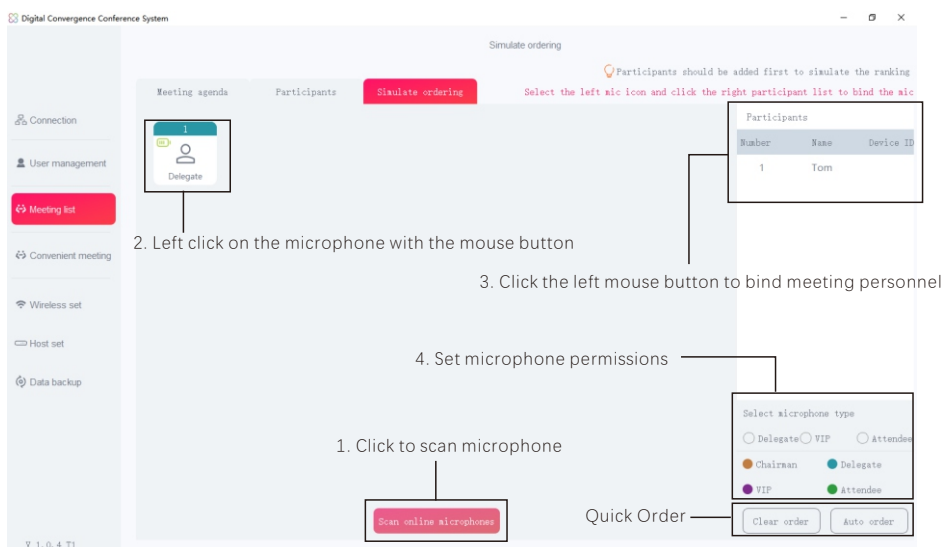


After successful addition, click back to return to the attendee interface. The interface will display the information of the added personnel. If you need to modify it, you can click "Edit" again to enter the editing interface and make the necessary changes.



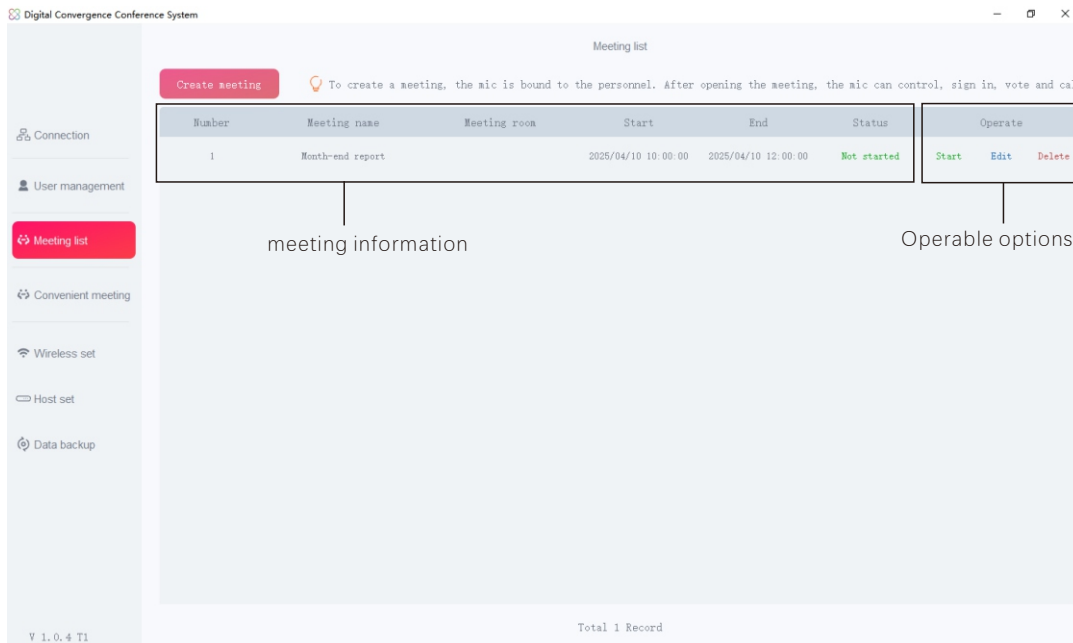
PC upper computer - conference list

- 3 Simulated ranking can bind the microphone with the conference participants added in the participant interface, and corresponding permissions can be set. Binding information can be used for subsequent functionality and data recording.
1. Click to scan the online microphone, the microphone connected to the conference host will display, and the wireless microphone will display the current battery level of the microphone. The microphone permission will be displayed based on the color block in the bottom right corner (requiring ID configuration to be scanned).
 2. Click on the microphone unit that needs to be bound to select it, and then click on the personnel list on the right to successfully bind it. After successful binding, the name of the personnel will be displayed on the microphone.
 3. Microphone permissions can be reset except for the chairman. (Microphone permissions can only be set after binding personnel) First, click on the bound microphone that needs to modify permissions. Then, click on the permissions in the bottom right corner to modify them. After successful modification, the corresponding color will be displayed. There are three types of modifiable permissions: delegate (limited by meeting mode and speaking quantity), VIP (not limited by meeting mode and speaking quantity, wireless conference microphone VIP permission will be limited by speaking quantity), and non voting (limited by meeting mode and speaking quantity, and cannot participate in voting).

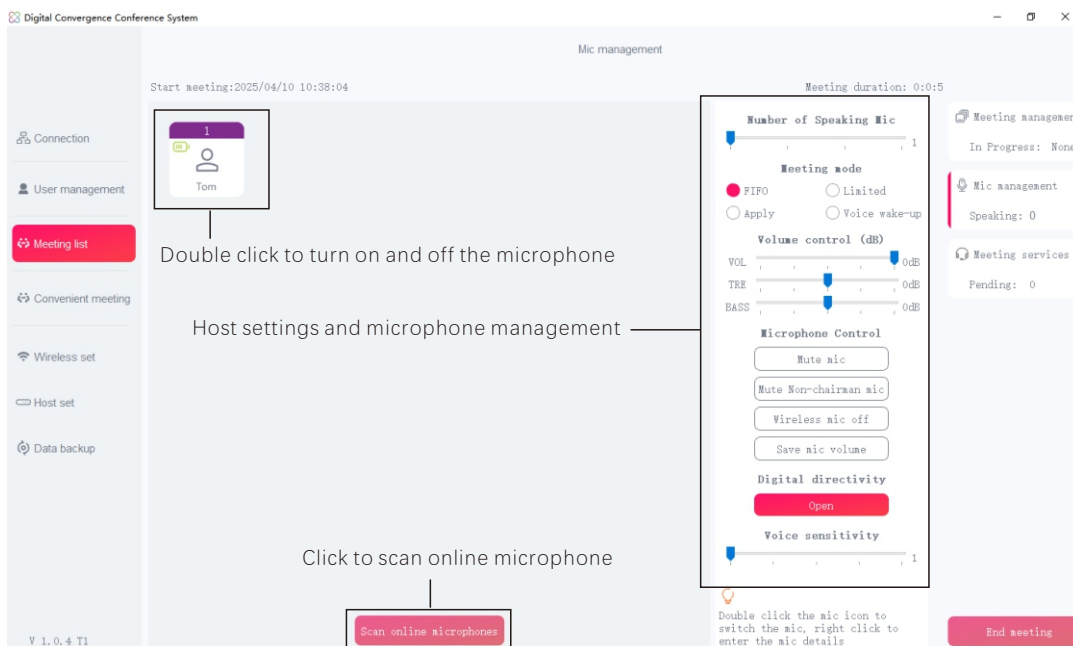


PC upper computer - conference list

- 4 After the pre meeting preparation phase is completed, you can click on the meeting list to return to the list interface. The list interface will display the newly configured meeting, along with the start and end times and meeting status. There are three options available:
1. Start, click on Start to start the current meeting and enter the meeting phase. There are three modules in total: microphone management, conference management, and conference services.
 2. Edit. After clicking Edit, you can return to the pre meeting preparation stage and modify meeting information and configuration.
 3. Delete, delete the current meeting.

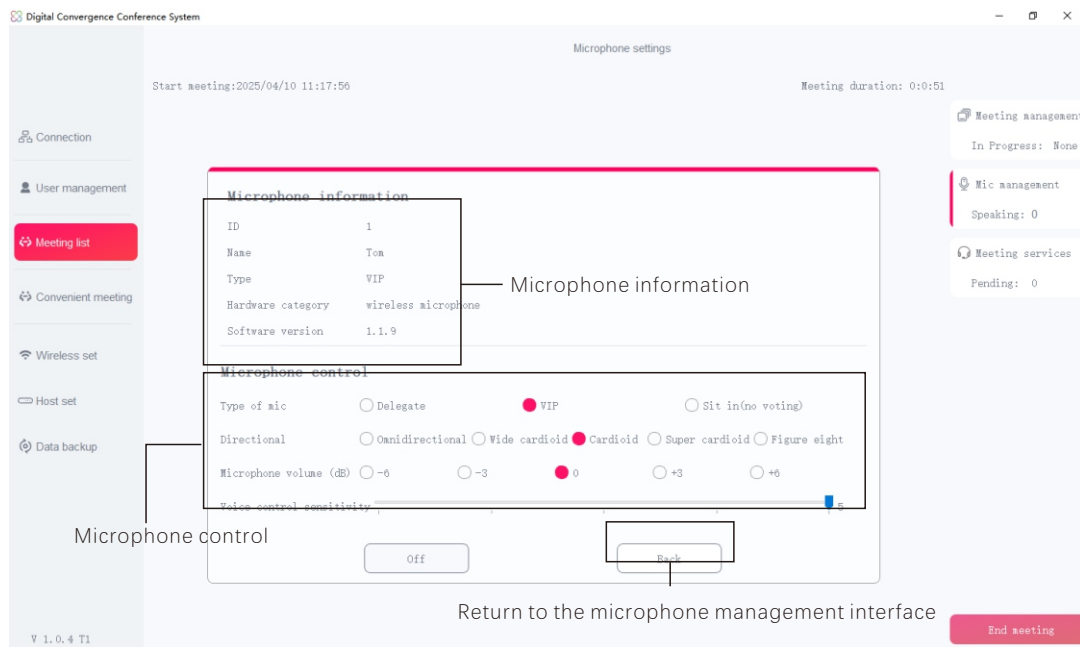


After starting the meeting, automatically jump to the microphone management interface. You can click to scan the microphone for display and monitoring. The meeting settings can be modified in the upper right corner, such as the maximum number of speeches, meeting mode, and host capacity. At the same time, global control of the microphone can be performed, and the digital directional function can be turned on and off (after turning it on, the microphone can manually modify the directional function on the display screen). Adjust the global voice control sensitivity (sensitivity when using voice wake-up function).

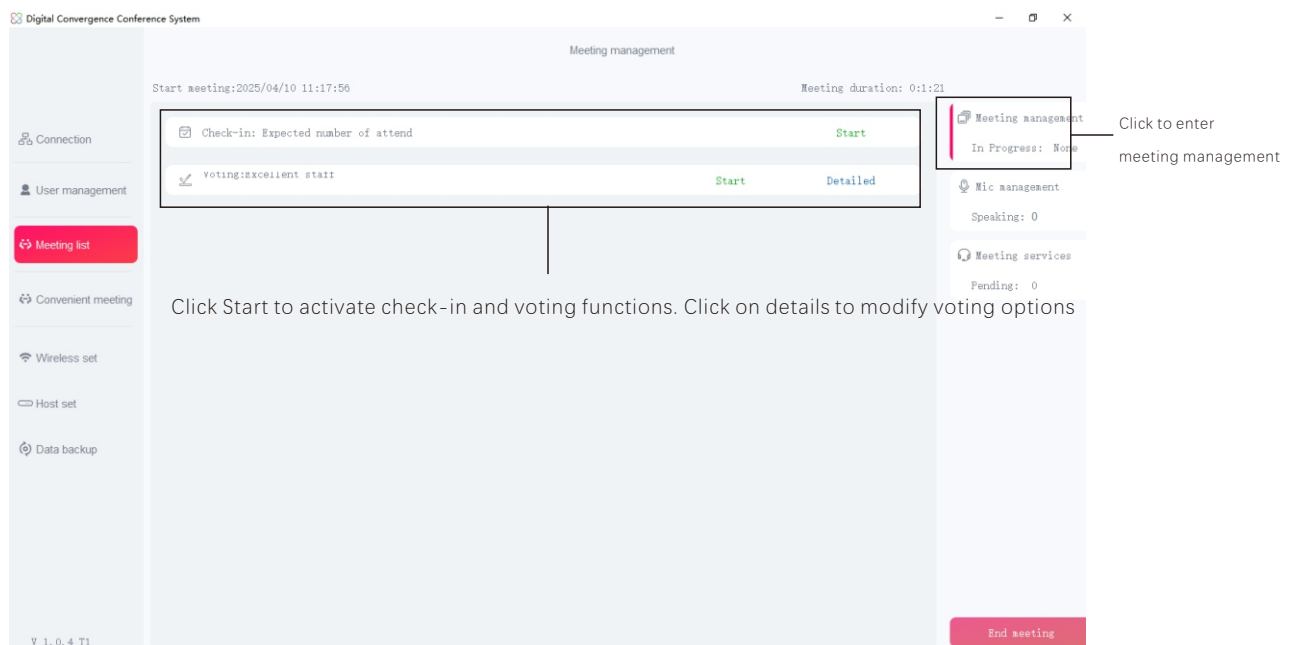


PC upper computer - conference list

Right click on the microphone to enter the corresponding microphone settings interface. You can view microphone information, adjust microphone directivity, microphone volume, and voice sensitivity. After setting up, click back to return to the microphone management interface.

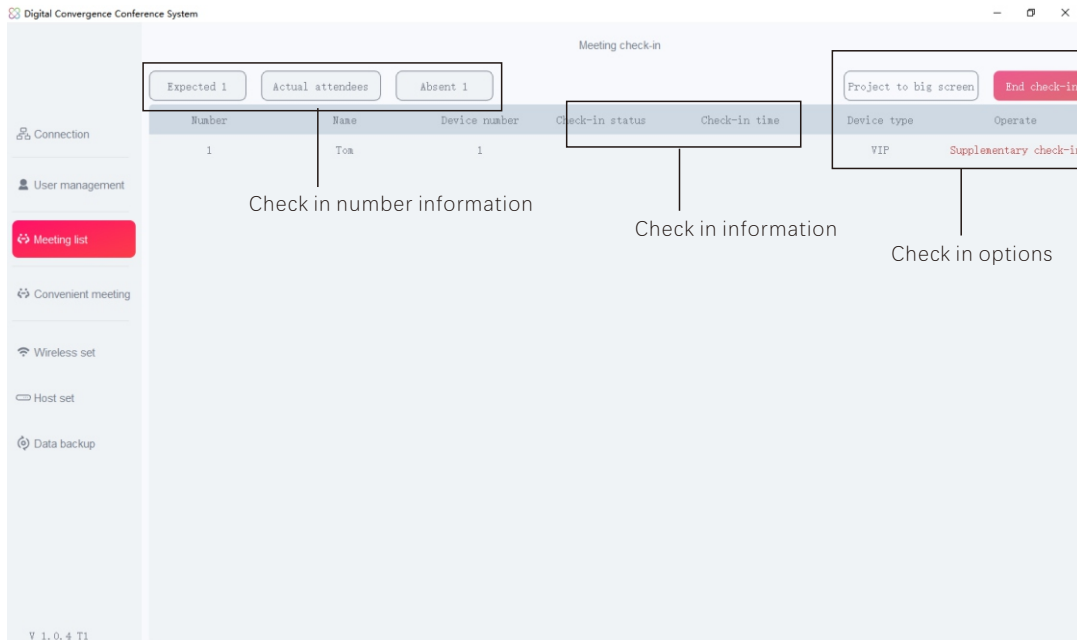


Click on the meeting management button on the right to enter the meeting management interface, where you can enable check-in, modify and enable voting options. (If the voting is set to sign in before voting, the voting function can only be activated after signing in.)

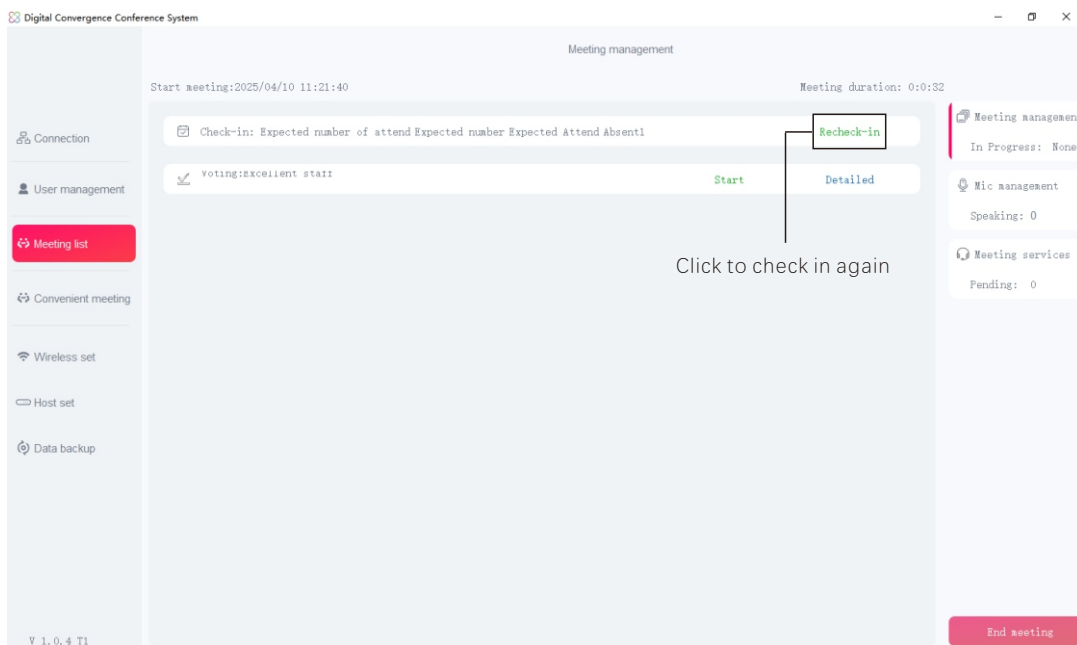


PC upper computer - conference list

After enabling check-in, enter the check-in interface. The number of attendees will be generated based on the number or options set during the pre meeting preparation stage. You can view information such as name, check-in time, etc. PC can use supplementary check-in to assist with check-in. The result can be projected onto the large screen by clicking on the top right corner for display (an additional screen needs to be connected to display it, and only the check-in information will be displayed).

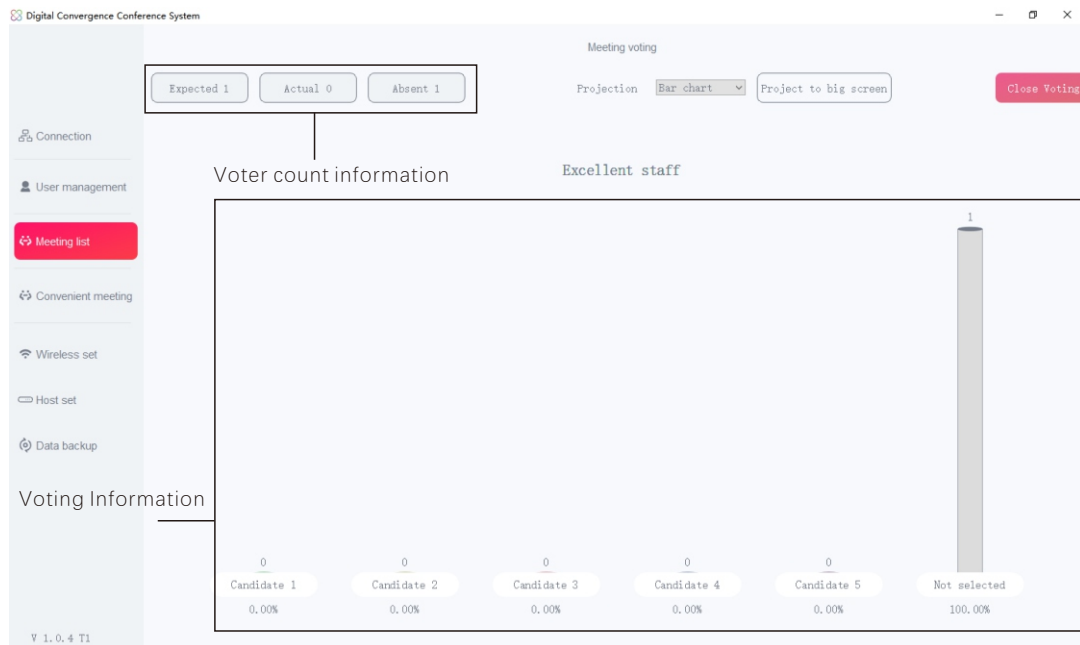


After the check-in is completed, you can click on 're check-in' in the meeting management interface to re sign.

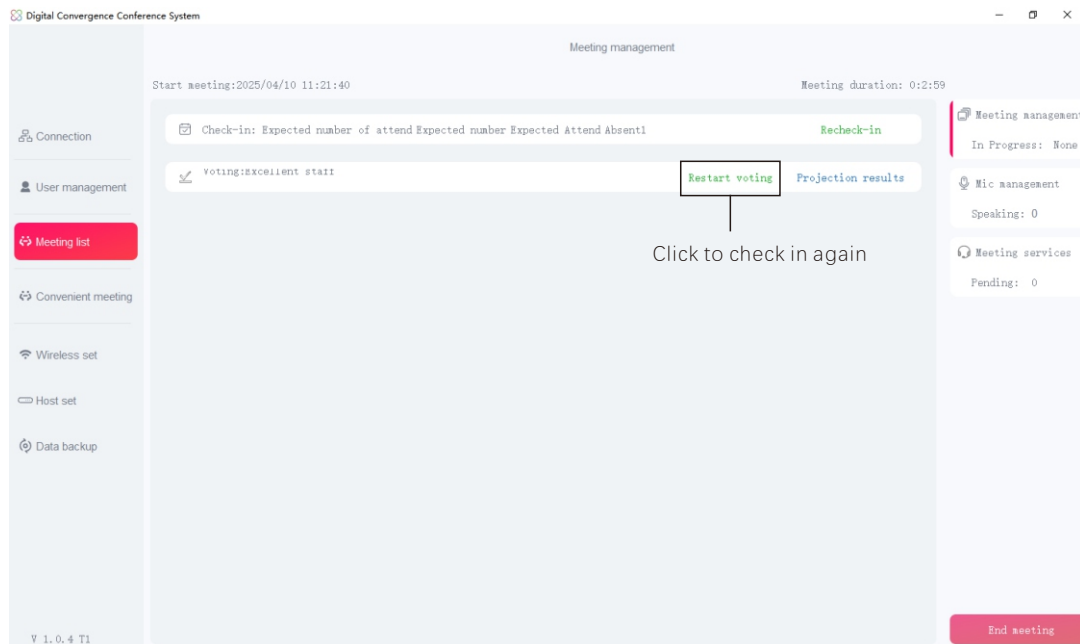


PC upper computer - conference list

After starting the voting process, enter the voting interface. The voting data will be displayed on the interface and can be projected onto the large screen. The voting results will be displayed according to the selected display method. (Voting can only be conducted on the large screen and non attending microphones)

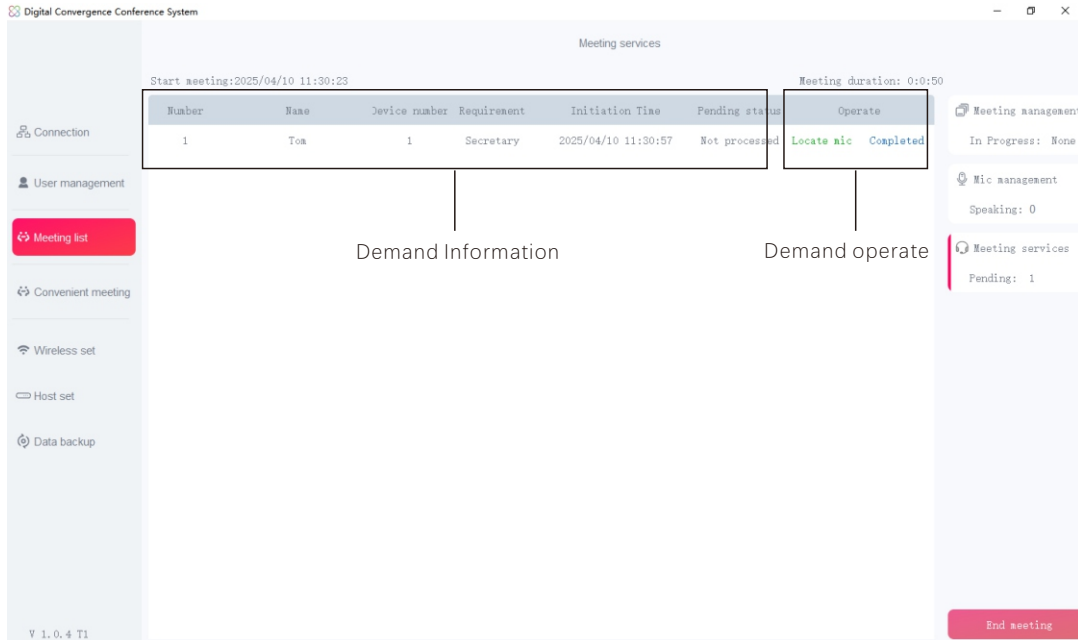


After the voting is over, you can click on "Re vote" in the meeting management interface to re vote. (After the voting ends, you can only vote again and cannot reset the voting options)

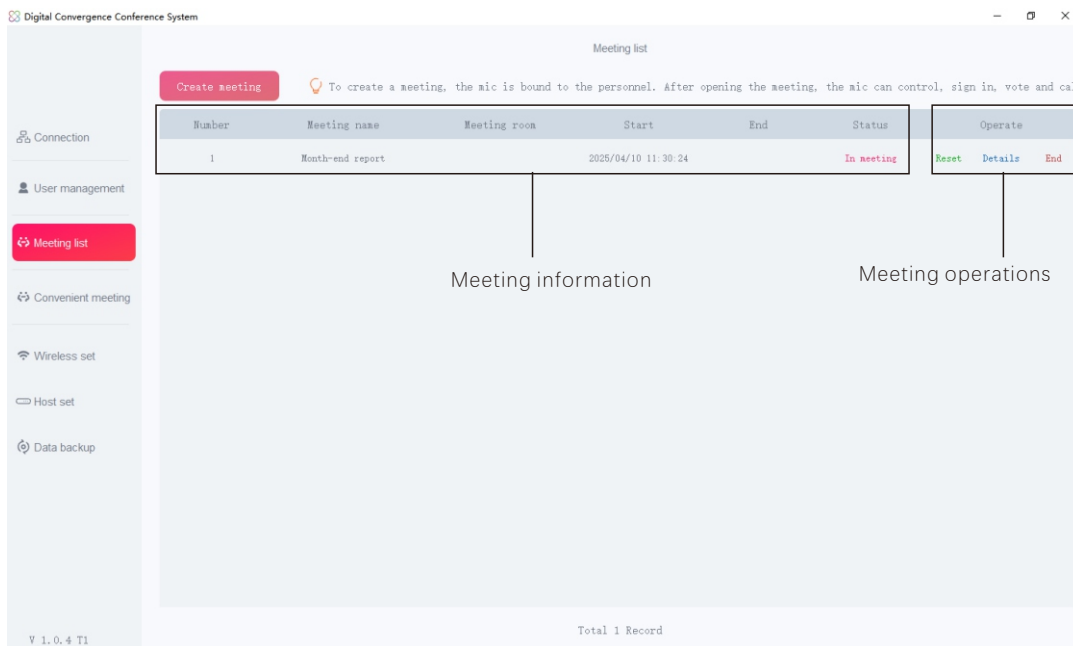


PC upper computer - conference list

Click on the conference service on the right to enter the conference service interface. When the microphone unit uses the call function, the conference service interface will display the corresponding requirements. You can click to locate the microphone, and the microphone speaking indicator light will flash for 10 seconds. Locate the location of the person. After completing the requirements, you can click 'Finish' on the conference service interface to end the requirements and make a record.



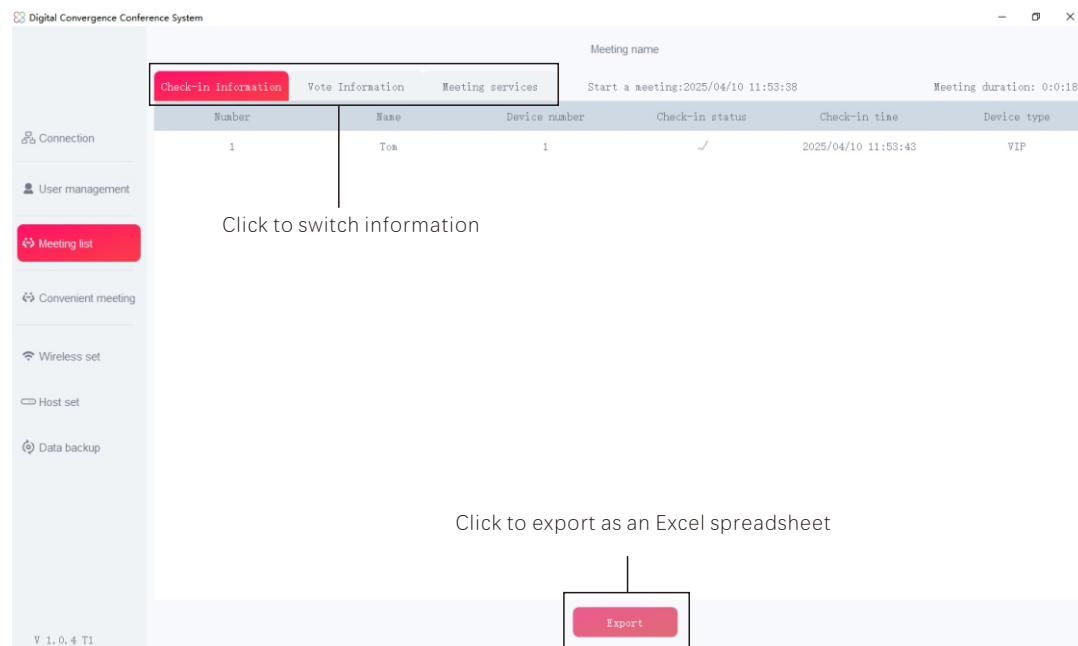
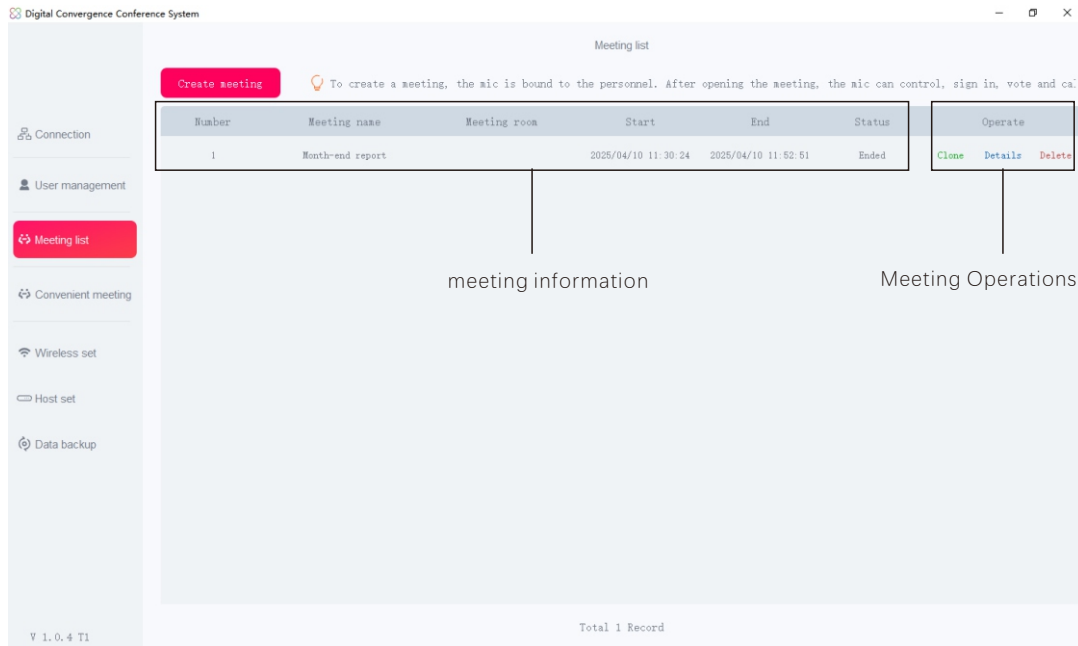
During the meeting, you can click on the meeting list to return to the list interface. Meeting information can be queried again. Click Reset to revert back to the meeting not started state, click Details to return to the microphone management interface, and click End to end the current meeting.



PC upper computer - conference list

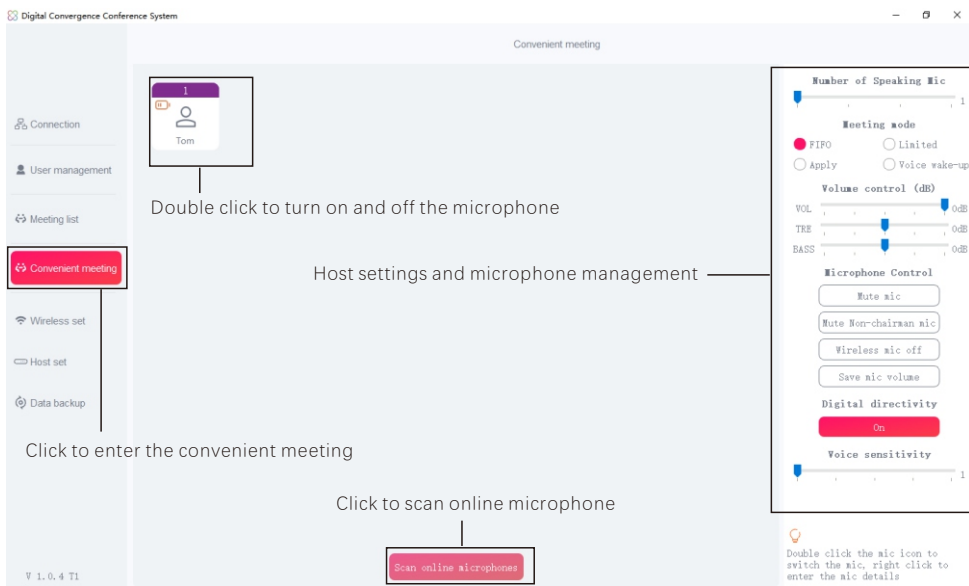
5 After clicking 'End Meeting' during the meeting, it will return to the meeting list. The meeting list will display the actual start and end times of the current meeting.

1. Clone - Click Clone to quickly create a new meeting. (Cloning will clone all settings of historical meetings)
2. Details - Clicking on details will enter the meeting details interface, where you can view attendance, voting, meeting service and other information records, and support export function.
3. Delete - Clicking delete will delete the current meeting, including data information.



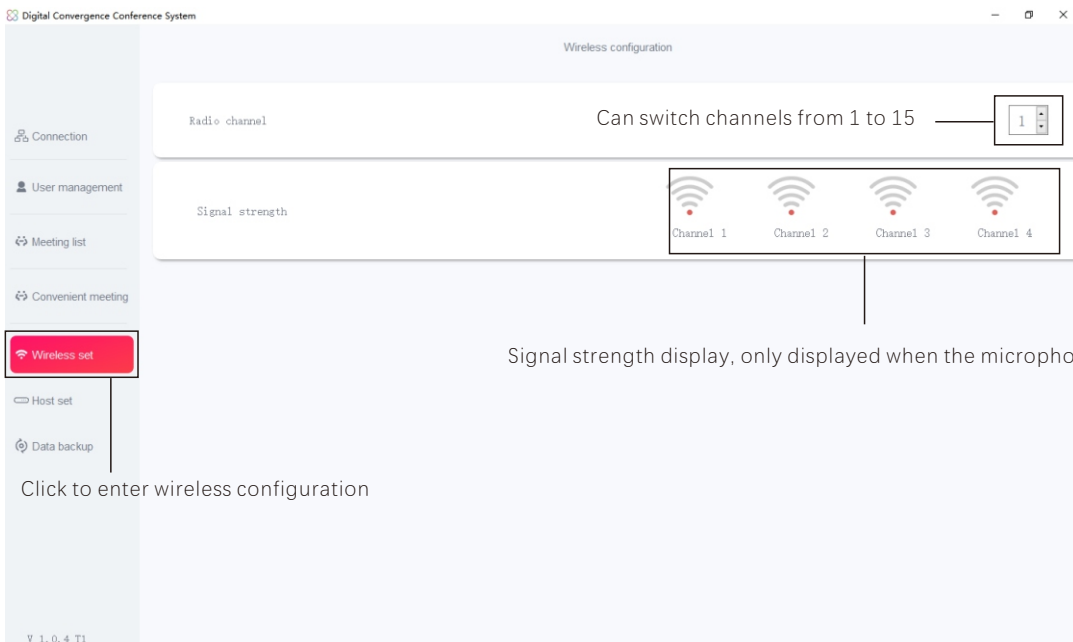
PC upper computer - convenient meeting

- 1 Click on the convenient meeting to enter the convenient meeting interface. This function can be used for small meetings without the need to create a new meeting. You can directly enter the microphone management interface to conduct the meeting. You can click to scan the microphone for display and monitoring. The meeting settings can be modified in the upper right corner, such as the maximum number of speeches, meeting mode, and host volume. At the same time, global control of the microphone can be performed, and the digital directional function can be turned on and off (after turning it on, the microphone can manually modify the directional function on the display screen). Adjust the global voice control sensitivity (sensitivity when using voice wake-up function). Convenient meeting, does not support functions such as check-in, voting, and conference services, and cannot store meeting data after the meeting ends.



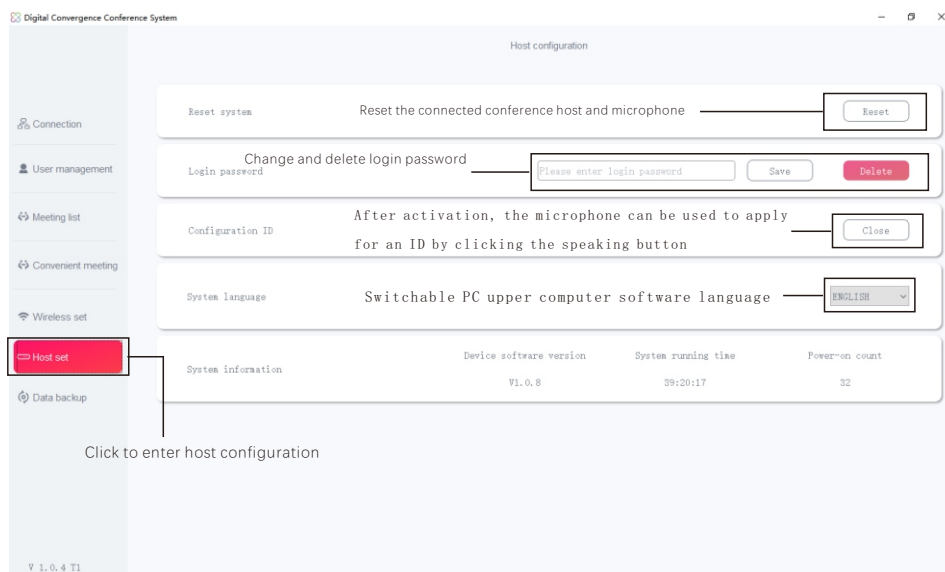
PC upper computer - wireless configuration

- 1



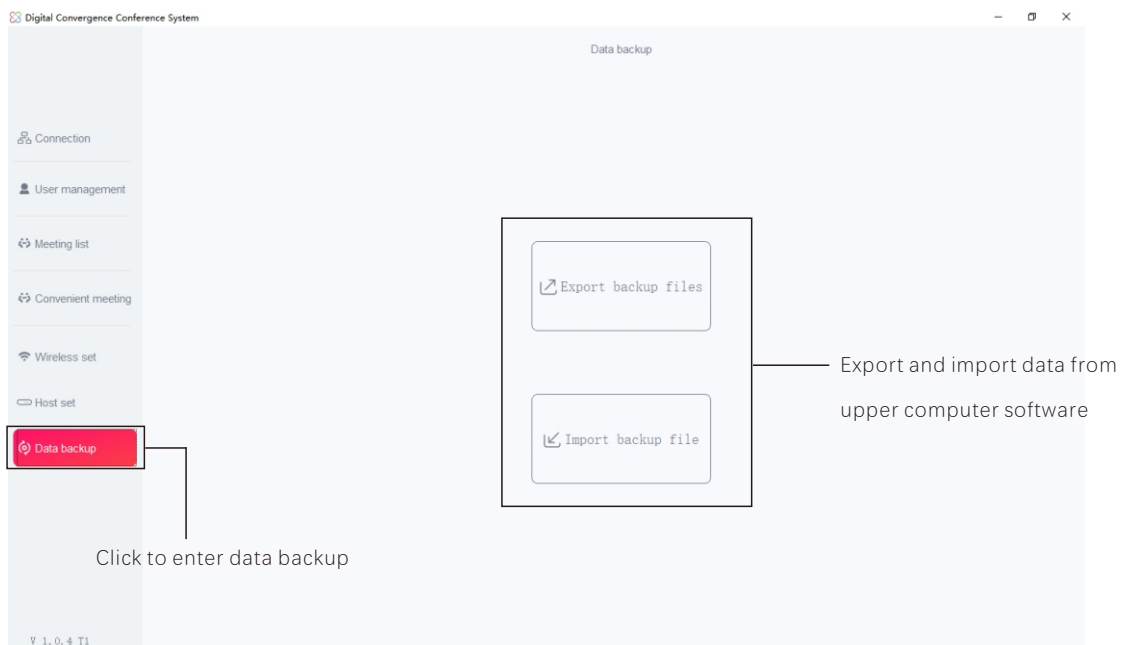
PC upper computer - Host configuration

1. Click on Host Configuration to enter the Host Configuration interface. Unable to enter host configuration without connecting to the conference host on the device connection interface. The host configuration interface can perform:
 1. System reset - Initialize the connected conference host and microphone.
 2. Login Password - Change or delete login password (detailed operation can be found in the beginner's guide - PC upper computer login).
 3. Configure ID - Enable and disable the configuration ID. After activation, clear the current microphone ID, and the microphone can click the speaking button to reapply for an ID. When using the conference system, all microphones need to be configured and not Duplicate IDs are required for normal use.
 4. System Language - Modify the language of the upper computer software to switch between Chinese and English.
 5. Check system information - system version number, system running time, boot times.



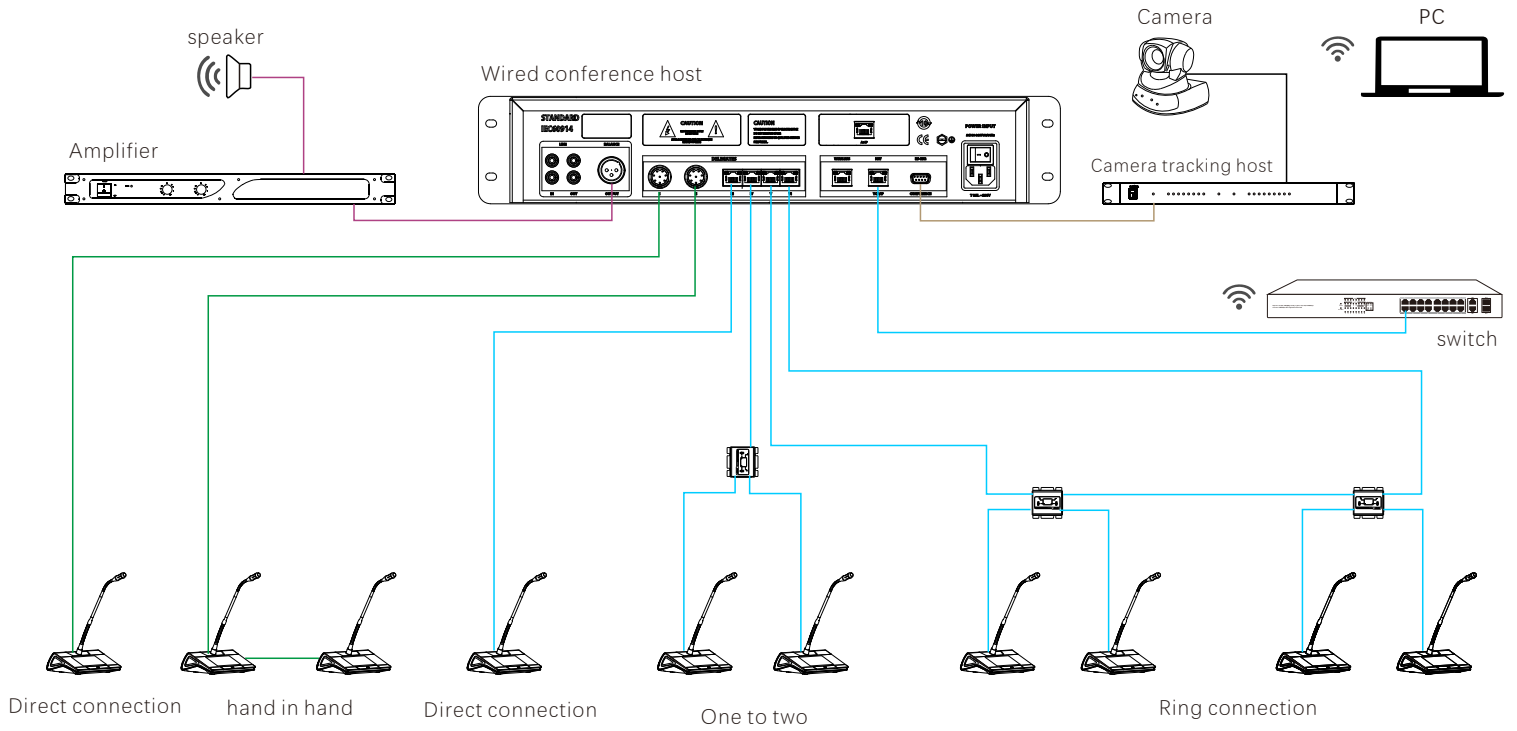
PC upper computer - data backup

1. Click on data backup to enter the data backup interface. You can export and import backup files. Export backup files, which can export meeting personnel entered by personnel management and data from meetings in the meeting list. Importing backup files allows for the import of this data.

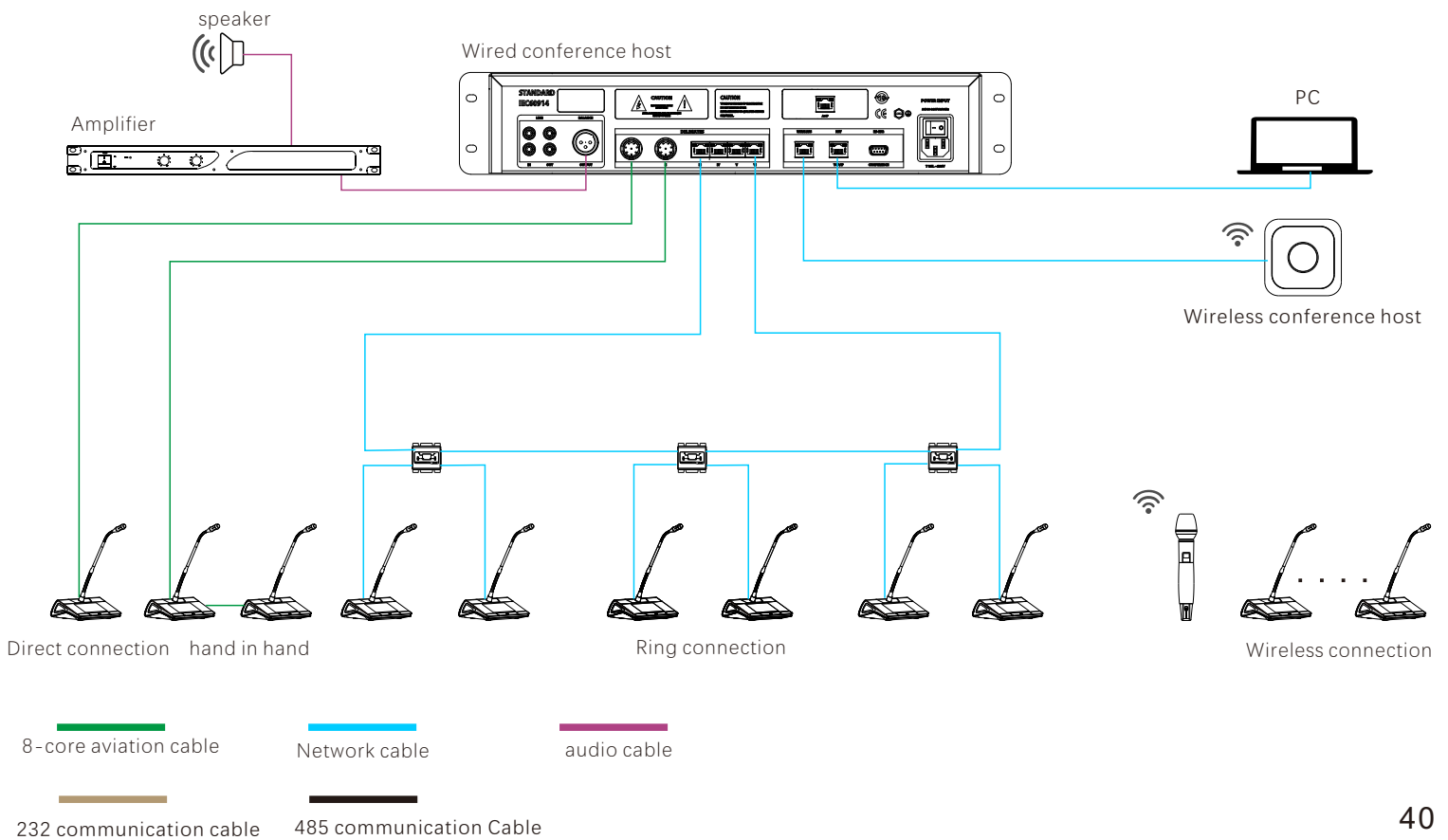


Scheme topology

1 Analog audio output scheme (with camera tracking function)

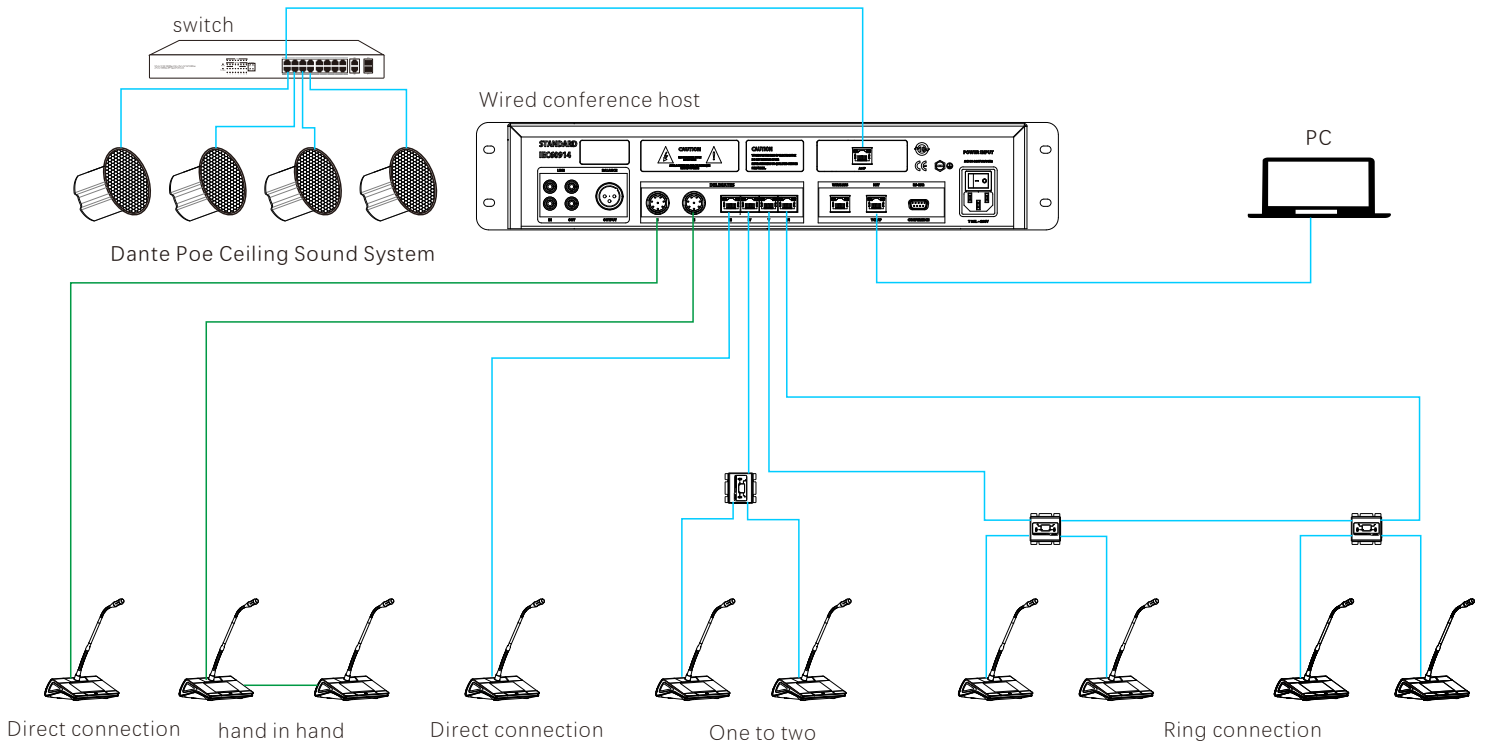


2 Simulated Audio Output Solution (Wired & Wireless Convergence)

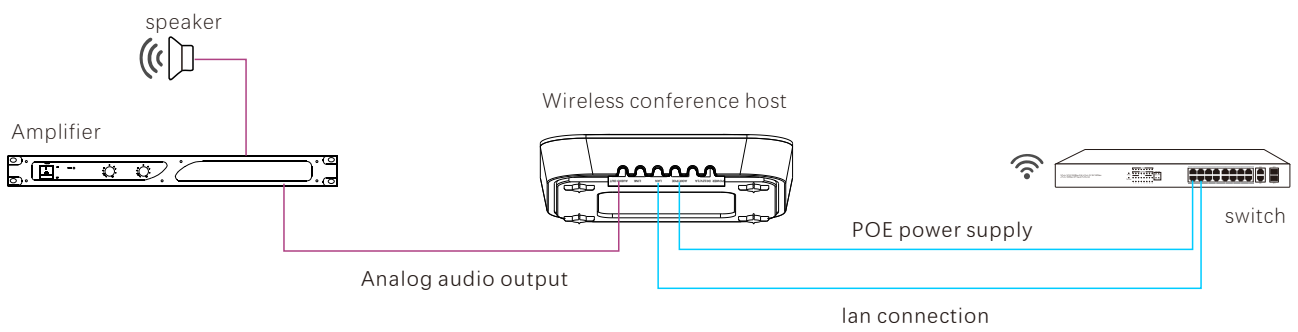


Scheme topology

3 Network audio output scheme



4 Analog audio output solution (wireless conference host)



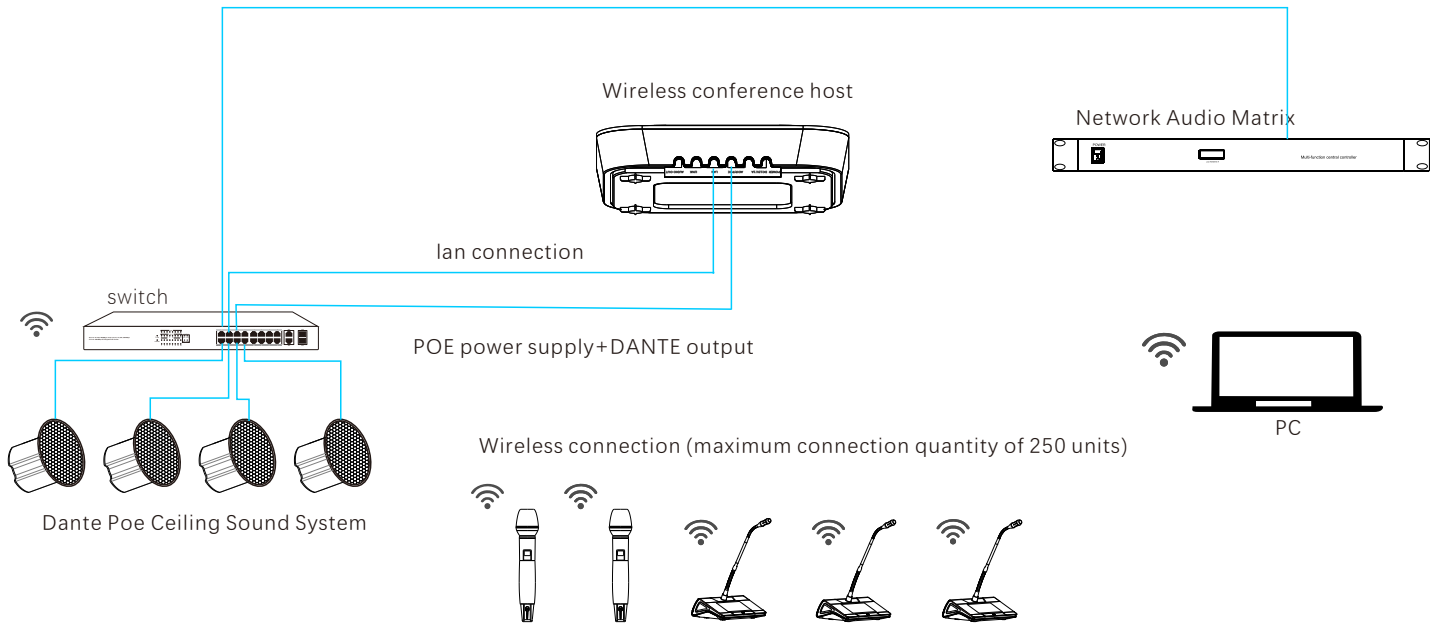
Wireless connection (maximum connection quantity of 250 units)



- 8-core aviation cable
- Network cable
- audio cable

Scheme topology

5 Network audio output solution (wireless conference host)



Digital Convergence Wired Conferencing System