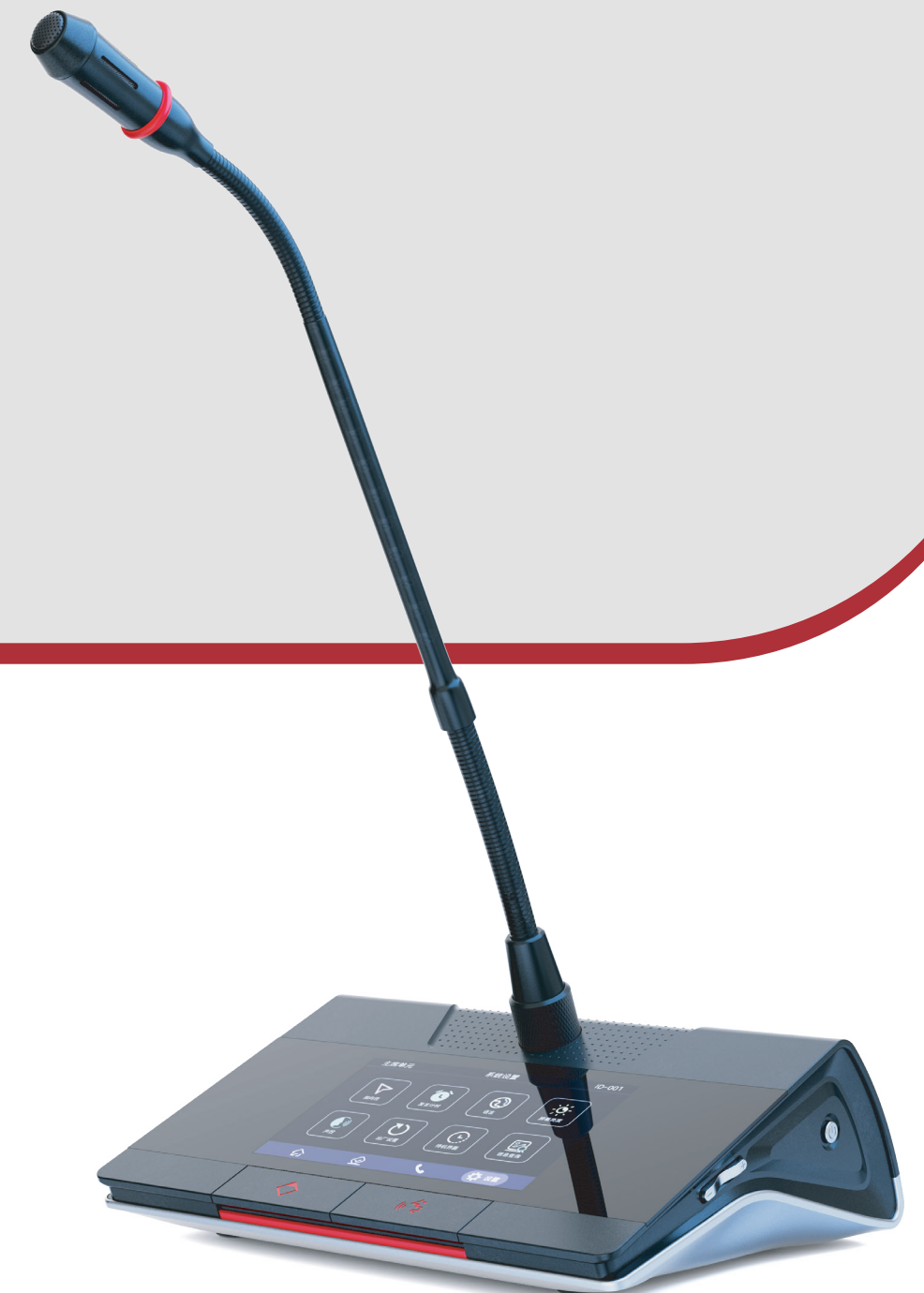


Wired & Wireless Solutions

Digital Convergence conference system



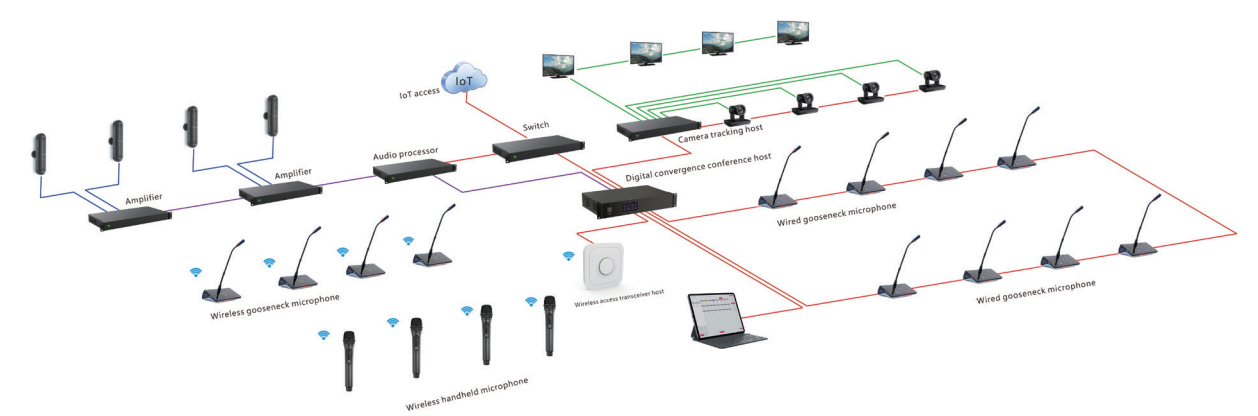
CATALOG

Digital Convergence Conference System Features	01-02
Digital Convergence Wired Conference Host	03
Digital Wired Interactive Microphone	04-06
Digital Wired Conference Microphone Specifications	07-08
Digital Convergence Wireless Conference Host	09-10
Hybrid Wired/Wireless Transceiver Microphone	11-12
Digital Wireless Conference Microphone	13-14
Digital Wireless Conference Microphone Specifications	15-16
Intelligent Battery Management & Battery Pack	17
Mobile Conference Package	18
Digital Wireless Conference Handheld Microphone	19-20
Digital Wireless Conference Waist Pack Transmitter	21-22
Intelligent Battery Charger	23-24

Digital Convergence Conference System Features

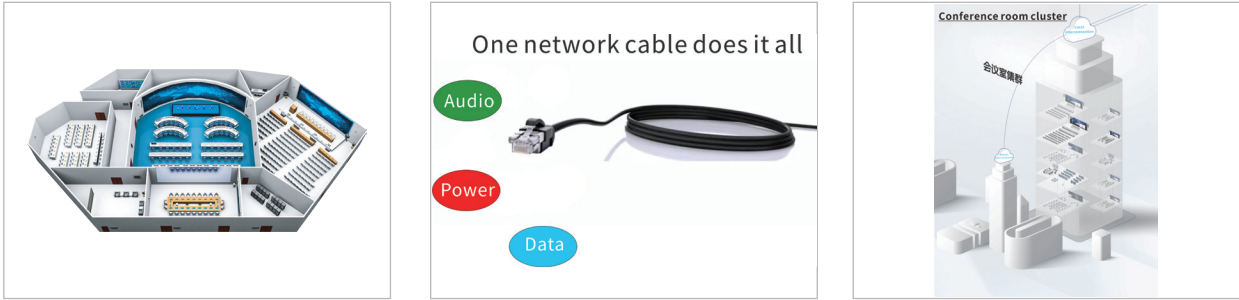
Seamless wired & wireless convergence solution

The digital convergence conference system is designed based on IOT application scenarios and developed using digital network architecture. It supports wired and wireless convergence conference applications. Wireless microphone units can be added at any time without increasing the antenna amplification period, allowing flexible speech and creating a clear and comfortable audio-visual environment for users.



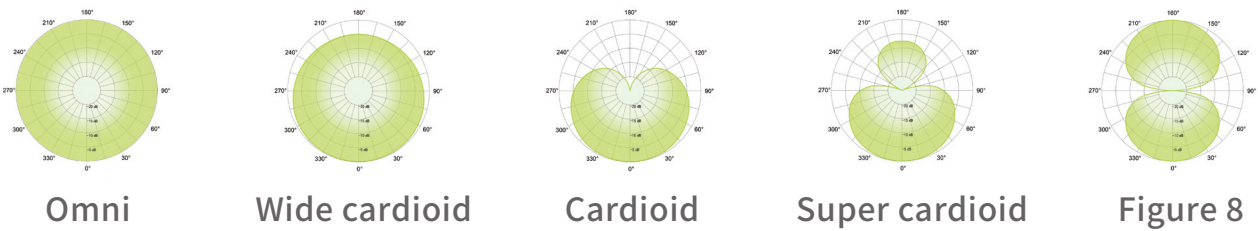
Digital network transmission protocol, interconnection of large conferences

The network audio protocol and TCP/IP network assist management. Network audio can be easily established through a network cable. It is efficient, fast, and the system has strong scalability. It is convenient to access the Internet of Things system and realize the interconnection between network audio. It is conducive to various networked conference systems, distributed management and interconnection, and is widely used in government and large enterprise conference rooms, video conferencing, lecture halls, multi-functional halls and other scenarios.



Microphone digital directivity variable technology

Users can adjust the directivity of the microphone according to different environments, locations, meeting methods, and speaker needs to achieve an optimal sound pickup effect. It supports 5 polar patterns: omnidirectional, wide cardioid, cardioid, super cardioid, figure 8 etc.



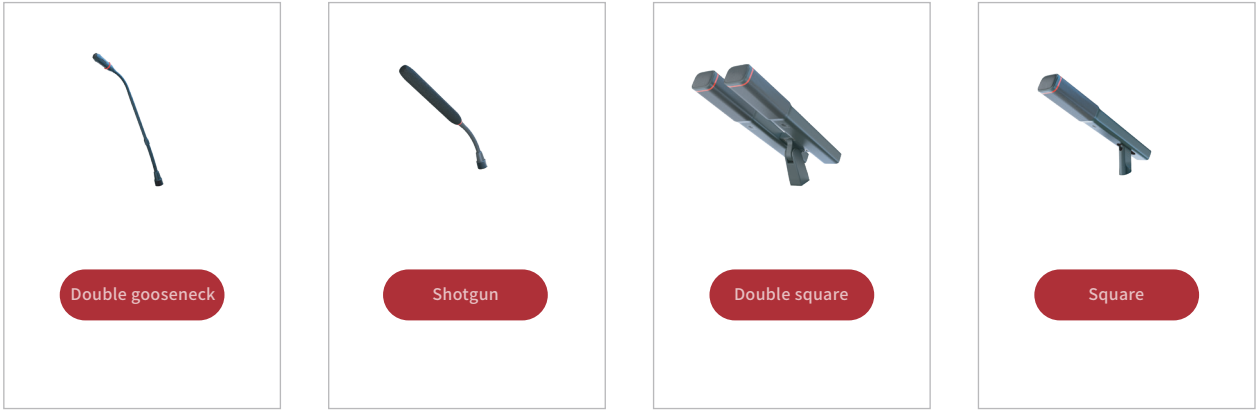
Worry-free and flexible wireless conferencing system

System deployment is fast and simple. One network cable provides power supply and signal transmission, and the deployment is completed in a few minutes, allowing participants to focus on the meeting itself rather than the equipment. The wireless receiving host is installed close to the microphone unit, without obstruction, less interference, and more reliable.

No more worries about frequency interruption

Flexible to match various microphone forms

The system supports the flexible use of various types of microphones, such as goosenecks, shotgun microphones, array microphones, square pole microphones, wireless handheld microphones, wireless lavalier microphones, etc.



Digital Convergence Wired Conference Host



Paired with a camera tracking host to realize automatic camera tracking. It supports preset panoramic positions and can also be connected to the central control to achieve camera tracking.

Powerful function

- With wired and wireless convergence technology, wireless mic unit can be added at any time to achieve flexible speech through the mic.
- Adopting advanced TCP/IP network connection method, automatically obtain IP address or manually set IP, without complicated settings, just plug and connect. If the network is connected to WIFI, wireless control and management of PC and host, networked collaborative management, distributed application and management can be realized.
- With the AOIP network module, real-time audio interconnection for large meetings or multiple conference rooms can be easily achieved.
- The host supports three levels of audio backup: microphone digital-analog backup, hand-in-hand ring backup, and host digital-analog backup.
- All use seamless audio backup to ensure that the audio signal does not drop out.
- Embedded machine self-learning algorithm technology, active noise reduction algorithm ANC, reduces environmental or system noise; feedback signal suppression function AFC suppresses system howling.
- The 4.3-inch touch screen on the front panel is used for conference host management and settings, which is convenient and efficient. It can initiate sign-in, voting, and voting functions, and cast the results on the large screen.



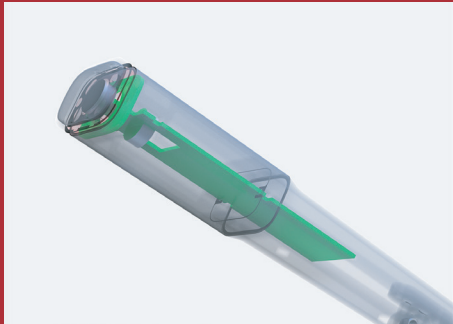
Digital Wired Interactive Microphone

The newly designed desktop conference microphone is equipped with a full-color IPS 4.3-inch interactive touch screen. It has a friendly interface and simple application settings, and can realize functions such as check-in, voting, on-demand services, and language switching. It has strong scalability and can choose pickup modes such as square pole, gooseneck pole or shotgun according to various meeting needs.

- The design is fashionable and elegant, the operation is simple and convenient, and it conforms to ergonomics.
- Special electret condenser dual microphone core design, the sound quality is clear and bright, and the sensitivity is high.
- Network cable connection, customizable digital-analog dual backup function.



Microphone digital directional variable technology. Users can adjust the directivity of the microphone according to different environments, locations, meeting methods, and speaker needs to achieve an optimal sound pickup effect. It supports 5 polar patterns: omnidirectional, wide cardioid, cardioid, super cardioid, figure 8 etc.



4.3-inch touch screen is used for information interaction between speakers and conference managers

- a Speaker information (name), speaking timer and countdown timer.
- b Microphone directivity settings.
- c The chairman signs in, initiates voting, votes and checks voting results.
- d Microphone gain adjustment.
- e Information exchange between the speaker and the conference administrator.
- f System language settings in Chinese and English, screen brightness settings and unit information display.
- g Standby settings, optional screen saver display and clock display, etc.



Digital Wired Conference Microphone Specifications



Digital interactive chairman/delegate unit UN520C/D-F
Square pole design, 4.3-inch touch screen.
Dual microphones for check-in, voting and service requirements.
Directional setting, speech timer or countdown, clock display, volume adjustment network cable transmission method, support for camera tracking, customizable digital and analog backup, screen saver pattern customization.



Digital display chairman/delegate unit UN220C/D-F
Square pole design, 2.4" display, sign-in, speech timing, ID display, screen saver clock.
Dual microphone core, directivity setting, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.



Digital discussion chairman/delegate unit UN20C/D-F
Square pole design, sign in.
Dual microphone core, directivity setting, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.



Digital interactive chairman/delegate unit UN520C/D-S
Dual pole design, 4.3-inch touch screen, attendance, voting, and service requirements.
Dual mic core, directivity setting, speech timer, clock display, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital-to-analog backup and screen saver pattern customization.



Digital display chairman/delegate unit UN220C/D-S
Dual pole design, 2.4-inch display screen, check-in, speech timing, ID display, etc
Dual microphone core, directivity setting, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.



Digital discussion chairman/delegate unit UN20C/D-S
Double square pole design and sign in.
Dual microphone core, directivity setting, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.



Digital interactive chairman/delegate unit UN520C/D-E
Double gooseneck design, 4.3" touch screen, sign-in, voting, service requirements
Speech timer or countdown, clock display, volume adjustment.
Network cable transmission method, support camera tracking.
Digital & analog backup, screen saver pattern customization can be customized.



Digital display chairman/delegate unit UN220C/D-E
Double gooseneck design, 2.4" display, sign-in, speech timing, ID display, etc.
Unit role, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.



Digital discussion chairman/delegate unit UN20C/D-E
Double gooseneck design, sign-in, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.



Digital interactive chairman/delegate unit UN520C/D-G
Shotgun design, 4.3" touch screen, attendance, voting, and service requirements.
Speech timer or countdown, clock display, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital-to-analog backup and screen saver pattern customization.



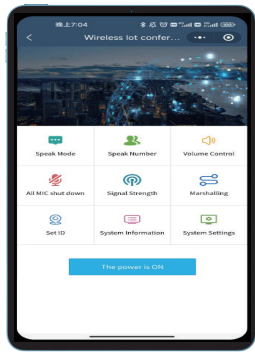
Digital display chairman/delegate unit UN220C/D-G
Shotgun design, 2.4-inch display screen, check-in, speech timing, ID display, etc
Unit role, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.



Digital discussion chairman/delegate unit UN20C/D-G
Shotgun design, sign-in, volume adjustment.
Network cable transmission method, support camera tracking.
Customizable digital analog equipment.

Digital Convergence Wireless Conference Host

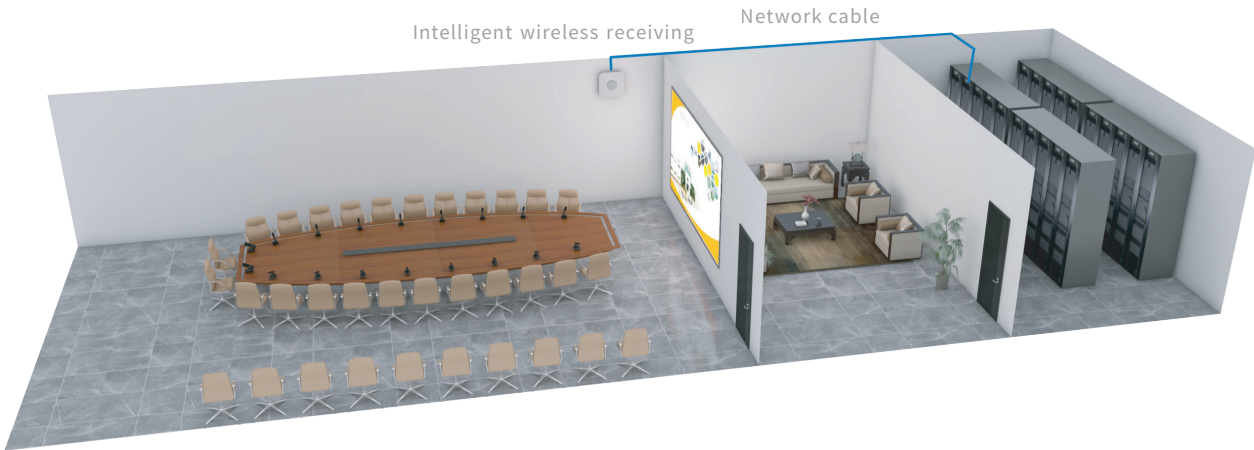
- Using all-digital wireless audio coding and decoding technology, the anti-interference ability of the signal is improved, and the audio signal is stable.
- The audio data sampling frequency is 96KHz, the delay is less than 5ms, and the sound quality is strong, clear and transparent.
- Digital encryption combined with ID function matching technology encrypts audio signals to prevent eavesdropping and unauthorized access.
- Level 3 transmit power setting can set the transmit power according to the on-site wireless environment requirements and different transmit and receive distances to ensure stable and correct transmission and reception of the wireless system.
- By setting the same wireless channel on the microphone, system microphones can be added at any time without the need for complex settings such as frequency matching;
- Supports AoIP network protocol to facilitate audio signal interconnection and expansion.
- POE network, integrated signal and power transmission technology, conventional single-port 15W network port can work normally, no need for POE + a single conference host can realize independent control and merging of 4 conference rooms, 4-way AoIP network audio output.
- In conjunction with the digital network convergence conference system host, a set of wired and wireless convergence conference system management can be achieved, creating a seamless network of wired and wireless devices.
- Analog backup output, audio signal digital-analog dual backup, to cope with various complex sudden failures.
- The system supports dual power supply redundancy technology to ensure reliable system operation.
- Use network central control to achieve camera tracking.



Mini program wireless IoT control and management



Frequency interruption is the core pain point of wireless conference systems. In order to solve the frequency interruption problem, R&D personnel overturned the traditional way of installing the receiving host in the computer room and adopted a new design concept. Installing the wireless host close to the microphone transmitter not only shortens the distance between transmitting and receiving, but also adopts wall-mounted or ceiling-mounted installation methods. There are no obstacles (such as walls, cabinets, etc.) in transmitting and receiving, which ensures stable and reliable transmission of wireless signals and ensures that the system does not have frequency interruption problems.



Close to installation
Unobstructed
Less interference
More reliable

All-digital wireless audio coding and decoding technology improves the anti-interference ability of the signal, making the audio signal stable and accurate for sending and receiving.



Hybrid Wired/Wireless Transceiver Microphone



The design is fashionable and elegant, the operation is simple and convenient, and it conforms to ergonomics.

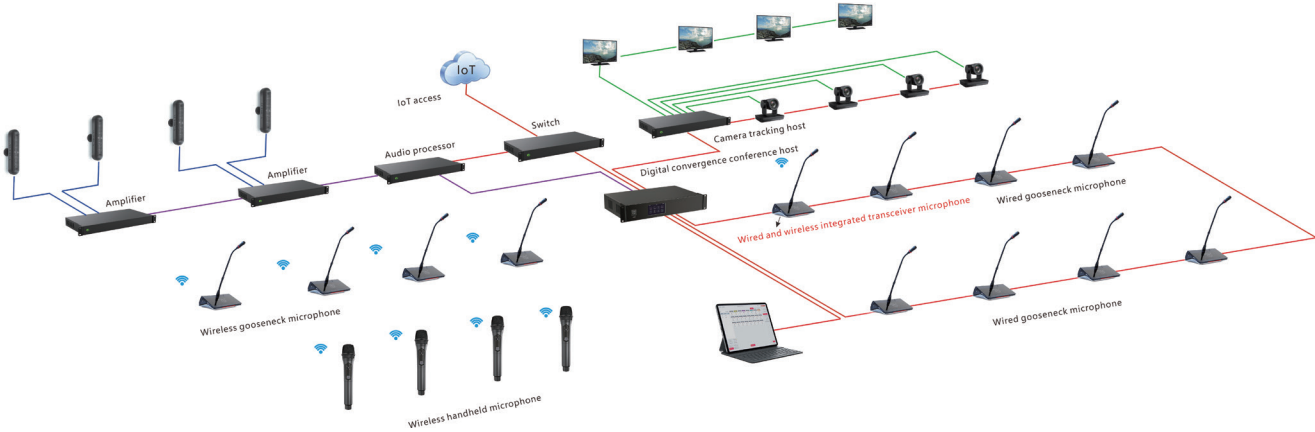
The microphone is both a wired hand-in-hand unit and a wireless microphone signal receiving unit. It can receive wireless audio signals from wireless microphones, manage wireless system control signals at the same time, and integrate wired and wireless integrated units.



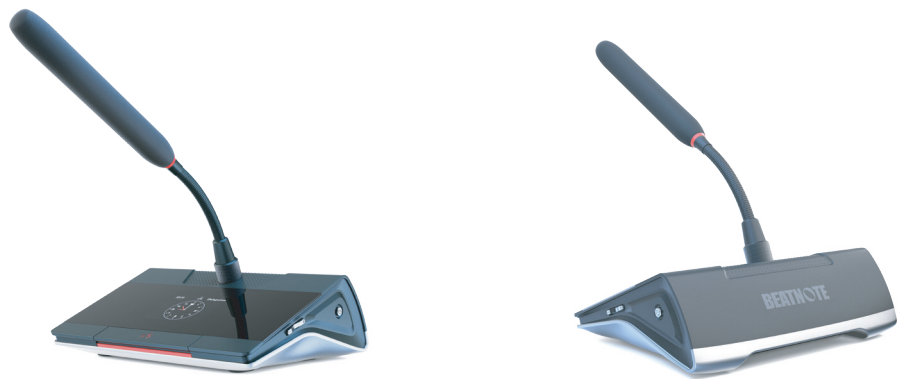
The microphone is both a wired hand-in-hand unit and a wireless microphone signal receiving unit. It can receive wireless audio signals from wireless microphones and manage wireless system control signals at the same time. It is a wired and wireless integrated unit.



Wired and wireless convergence solutions:
The advantage of the system is that no matter where the host is installed, it will not affect the stable reception of wireless signals, and it also eliminates the problem of pulling out the antenna amplifier. All wireless signals are managed and transmitted through wired and wireless fusion microphones.



Digital Wireless Conference Microphone



- All-digital wireless audio coding and decoding technology improves the anti-interference ability of the signal, making the audio signal stable and accurate for sending and receiving.
- The audio data sampling frequency is 96KHz, the delay is less than 5ms, and the sound quality is strong, clear and transparent.
- Digital encryption combined with ID function matching technology encrypts audio signals to prevent eavesdropping and unauthorized access.
- Level 3 transmit power setting can set the transmit power according to the on-site wireless environment requirements and different transmit and receive distances to ensure stable and correct transmission and reception of the wireless system.
- By setting the same wireless channel on the microphone, system microphones can be added at any time without the need for complex settings such as frequency matching.
- The system is designed with low power consumption and large battery pack, which can last for 12 hours of speaking and 15 hours of standby.
- The charging method is flexible, supporting TYPE-C direct charging, or disassembling the battery pack for battery replacement.



- Microphone digital directional variable technology. Users can adjust the directivity of the microphone according to different environments, locations, meeting methods, and speaker needs to achieve an optimal sound pickup effect. It supports 5 polar patterns: omnidirectional, wide cardioid, cardioid, super cardioid, figure 8 etc.
- 4 speaking modes: FIFO, application, restriction, and voice wake-up.
- The startup sensitivity can be set for voice wake-up, the microphone can be turned on intelligently, and how long it takes to automatically turn off in the case of silent sound can be set.
- There are two optional microphone opening modes: trigger switch and long press to open and release the switch.



Digital Wireless Conference Microphone Specifications



Digital wireless interactive chairman/delegate unit UN560C/D-F
Square pole dual mic core design; 4-inch touch screen; sign-in; voting; service.
Directivity setting; speaking time or countdown; clock display; volume adjustment.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless display chairman/delegate unit UN260C/D-F
Square pole dual mic core design; 2.4-inch display screen; sign-in; ID display.
Directivity setting; speech timing; clock display; volume adjustment; role.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless discussion chairman/delegate unit UN60C/D-F
Square pole dual mic core design; sign-in.
Directivity setting; volume adjustment.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless interactive chairman/delegate unit UN560C/D-S
Dual square pole 4 mic core design; 4-inch touch screen; sign-in; voting; service.
Directivity setting; speaking time or countdown; clock display; volume adjustment.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless display chairman/delegate unit UN260C/D-S
Dual square pole 4 mic core design; 2.4-inch display screen; sign-in; ID display.
Directivity setting; speech timing; clock display; volume adjustment; role.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless display chairman/delegate unit UN60C/D-S
Dual square pole 4 mic core design; sign-in.
Directivity setting; volume adjustment.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless interactive chairman/delegate unit UN560C/D-E
Dual gooseneck design; 4-inch touch screen; sign-in; voting; service.
Speaking time or countdown; clock display; volume adjustment.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless display chairman/delegate unit UN260C/D-E
Dual gooseneck design; 2.4-inch display screen; sign-in; ID display.
Speech timing; clock display; volume adjustment; role.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless discussion chairman/delegate unit UN60C/D-E
Dual gooseneck design; sign-in; volume adjustment..
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless interactive chairman/delegate unit UN560C/D-G
Shotgun design; 4-inch touch screen; sign-in; voting; service.
Speaking time or countdown; clock display; volume adjustment.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless display chairman/delegate unit UN260C/D-G
Shotgun design; 2.4-inch display screen; sign-in; ID display.
Speech timing; clock display; volume adjustment; role.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.



Digital wireless display chairman/delegate unit UN60C/D-G
Shotgun design; sign-in; volume adjustment.
Digital wireless transmission; camera tracking; screen pattern customization.
Removable charging pack; TYPE-C charging; Level 3 wireless transmission power.

Intelligent Battery Management & Battery Pack



- The charging box features a 1U rack-mountable design for 19-inch cabinet or desktop installation, supporting simultaneous charging for 7 battery packs. Equipped with a spring-loaded mechanism, it ensures precise docking and one-touch ejection. Gold-plated contacts enhance conductivity and durability, while an integrated NCT temperature monitoring system safeguards battery health and extends battery lifespan.
- The dual battery module takes 3 hours to fully charge, 12 hours of speaking time, and 15 hours of standby time, which is enough for a full day of meetings. It charges nearly 50% in 1 hour, which is enough for an ordinary meeting within 5 hours.
- The input voltage is an international wide voltage design of 100v-250V, which is suitable for power consumption in various regions.

Battery Pack

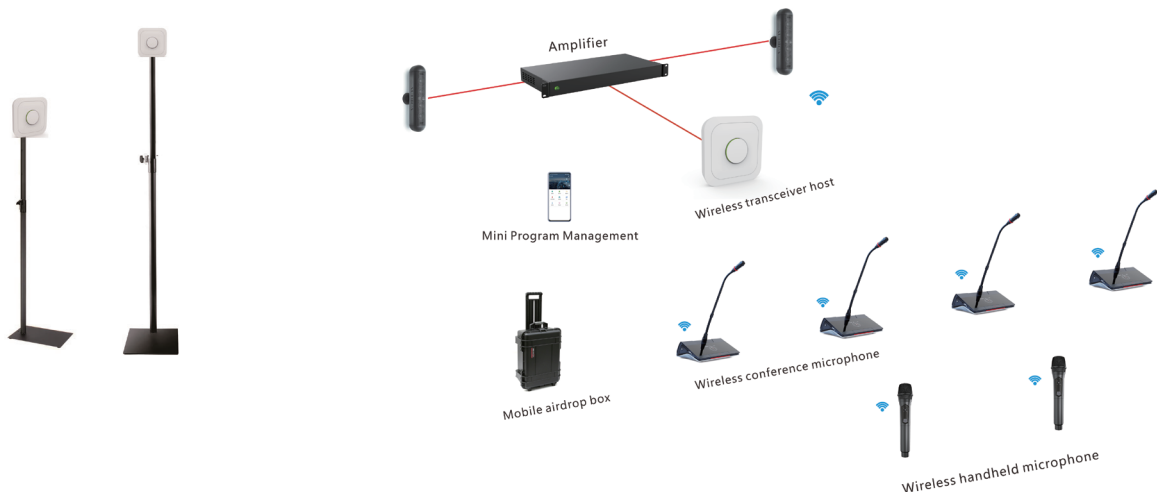
- The battery pack adopts long life and long-lasting stable voltage output. The battery pack contains a microprocessor to monitor the entire charging process and prevent overload, overvoltage, high temperature and other conditions. Gold-plated contacts and snap-on design ensure that the battery is not easy to fall off and have poor contact.
- The dual battery module takes 3 hours to fully charge, 12 hours of speaking time, and 15 hours of standby time, which is enough for a full day of meetings. It charges nearly 50% in 1 hour, which is enough for an ordinary meeting within 5 hours.



Mobile Conference Package



- Easy to carry, it is a flexible and easy-to-install solution for mobile conferencing.
- The wireless access host can be quickly hung on the wall, ceiling or bracket.
- The system wiring is simple and can be connected to the sound reinforcement equipment through AOIP network audio or analog audio. Meetings can be quickly set up and managed through the WeChat applet.
- The airdrop box is waterproof, moisture-proof and dust-proof.
- There is a built-in wireless access host, 6 conference gooseneck microphones, 2 handheld microphones and related chargers, wires and other auxiliary equipment.





Digital Wireless Conference Handheld Microphone



Features

- Handheld design, simple and elegant with ergonomic construction for comfortable grip.
- Features wide-frequency dynamic microphone capsule delivering clear, bright sound with high sensitivity; optional large-diaphragm condenser microphone capsule available.
- Equipped with a 1-inch HD true-color screen displaying battery level, signal strength, operational status, channel group, and ID number.
- Utilizes digital RF technology for audio signal transmission and control management.
- Enables automated camera tracking when paired with camera tracking host and pre-configured via computer.
- Anti-mobile interference microphone core ensures stable connectivity and durable reliability.
- Ultra-low power consumption circuit design with built-in high-capacity 18650 battery.
- Includes dedicated charging dock for convenient operation.
- Supports networked audio transmission when connected to host system, enabling audio signal interconnection.
- Each conference unit features unique serial number, with automatic ID allocation by the conference system.

Technical Parameters

- Harmonic radiation: < -65dBm
- Frequency width: 30MHz
- Sensor: Dynamic coil and large capacitance microphone core optional
- RF power output: 15mW
- Battery capacity: 2500mAH
- Speech time: 17 hours
- Standby time: 50 hours
- Size: Ø 51 * L259mm





Features

- Compatible with lapel or headset microphones.
- Equipped with a 1-inch HD true-color screen displaying battery level, signal strength, operational status, channel, and ID number.
- Utilizes digital RF technology for audio signal transmission and control management.
- Enables automated camera tracking when synchronized with a camera tracking host and pre-configured via computer.
- Ultra-low power consumption circuit design with built-in high-capacity lithium battery.
- Includes a dedicated charging dock for simple and convenient operation.
- Supports networked audio transmission via host system, enabling seamless audio signal interconnection.
- Each conference unit features a unique serial number, with automatic ID allocation by the conference system.

Technical Parameters

- Harmonic radiation:<-65dBm
- Frequency width: 30MHz
- Maximum offset: $\pm 45\text{KHz}$
- RF power output: 15mW
- Battery capacity: 2200mAh
- Speech time: 15 hours
- Standby time: 40 hours

The Wireless IoT-enabled Bodypack Transmitter is a microphone system designed for speeches, performances, and interviews. It employs digital RF signal transmission technology with robust anti-interference capabilities, ensuring stable and reliable operation.

Technical Parameters

- Microphone type: Pre polarized condenser microphone
- Sensitivity: 5 millivolts per pascal
- Polar pattern: Omnidirectional
- Maximum sound pressure level: 142 decibels sound pressure level



Lavalier microphone



Headset microphone

Intelligent Battery Charger



Features

- Dual slot fast charging, efficient and time-saving: It can charge both waist pack and handheld transmitters simultaneously, with waist pack charging taking about 3 hours to fully charge and handheld charging taking about 4 hours.
- Flexible expansion and centralized power supply: up to 4 charging stations can be connected in series, and only one power source is needed to charge multiple devices in batches, saving space and cables.
- Clear status at a glance, remote monitoring: Each charging slot is equipped with indicator lights to display charging progress in real time, and supports remote monitoring of battery level and status through the manager software.



Technical Parameters

- Power input: 5V DC, 3.0A
- Charging output: Single slot maximum output 5V/3A
- IP control: 100 Mbps
- Working temperature range: 0 ° C to 40 ° C (32 ° F to 104 ° F)
- Size: L200mm * 90mm
- Accessories: Connection cable, AC adapter, AC power cord

