



Wifi Full Digital Conference System

User Manual

CS17-17 CS17-18

Before using this system, please read this manual carefully

Notification



WARNING

To ensure the reliability of the equipment and the safety of personnel, please observe the following when installing, using and maintaining:

- If any of the following conditions are found, please immediately turn off the power, plug out and quickly contact your nearest dealer. Do not continue using this unit, which may cause a fire or electric shock.
 - If you find smoke or have a strange taste from the machine.
 - If water or metal falls into the machine.
 - If the unit is dropped or the case is damaged.
 - If the wire is damaged (wire core exposure, broken wire, etc.).
- If the machine contains high-pressure parts, in order to avoid the fire or electric shock, absolutely don't open the case, if any questions please inform your nearest dealer.
- Do not place cups, bowls, vases or metal and other water-filled substances on the unit. Serious spilled liquid may cause a fire or electric shock.
- Never expose the unit to rain and any moisture or water, which may cause electric shock or fire.
- Do not place metal objects or flammable materials from the vents on the machine cover, nor place coins, which may cause fire or electric shock.
- Do not place heavy objects on the unit to avoid personal injury or property damage when the unit is slipping.
- Make sure that the volume is turned on at the beginning of the boot, and the high volume of the boot may cause hearing problems.
- Make sure that the volume is turned on at the beginning of the boot, and the high volume of the boot may cause hearing problems.
- For long-term accumulation of dust to be cleaned, please inform your dealer to regularly clean the machine, so as to avoid damage to the machine or cause a fire.
- The battery must be replaced with the same type of product and the correct installation should be made in order to avoid electrical damage and explosion hazard.
- The product is a Class III device. The device must be well connected to ground. The power plug must be connected to a power outlet with a grounding device to ensure that the equipment is fully grounded.

- This product uses a power plug or appliance input socket as a disconnecting device with the power supply, and must be disconnected if necessary for safety reasons.



- This equipment is only suitable for safe use at altitudes under 2000 meters.

Precautions

1. The installation environment

When installing the unit, in order to ensure the normal cooling of the host, should avoid the poor ventilation of the place or high temperature environment, to avoid direct sunlight.

Recommend to install cabinet or other well-ventilated place indoor. If you use the machine in the outdoors, please pay attention to waterproof, moisture, lightning protection measures.

Avoid installing in a violent place of vibration; do not place other equipment on the machine.

2. To avoid electric shock and fire

Do not touch the hands and the source with wet hands

Do not spill liquid on the machine, so as to avoid short-circuit or fire inside the machine.

Do not place other equipment directly on the top of the unit.

Non-professional service personnel Do not disassemble the unit yourself to avoid damage and electric shock.

3. Transport and handling

The packaging of the machine is designed and tested to ensure that the host will not be accidentally damaged during transport. It is best to use the original packaging when handling the unit.

Do not move the host device between the place or cold or over hot to avoid condensation inside the machine, affecting equipment life.

4. Please follow the warning instructions on this product, the warning signs on behalf of:

	<p>Applicable to 2000 meters above sea level and below safe use</p>
	<p>Safe use only in non-tropical climates</p>

5. Agreement

Please strictly follow the instructions in this manual. The software, hardware and appearance of this product will be upgraded and updated continually. The above changes will be made without notice.

Non-professional maintenance personnel, do not remove the product, to avoid damage and electric shock.

6. Note

If it is not used for a long time or stored for more than half a year, it must be taken out and fully charged again to avoid battery damage.

CONTENT

1. System overview.....	- 6 -
2. Product introduction.....	- 6 -
2.1. FEATURE.....	- 6 -
2.2. PRODUCT FUNCTION INTRODUCTION.....	- 7 -
2.3. SPECIFICATION.....	- 8 -
3. System connection diagram.....	- 9 -
4. CS17-17 CS17-18 Operating instructions.....	- 10 -
4.1. BOOT.....	- 10 -
4.2. UNIT TYPE.....	- 10 -
4.3. MEETING MANAGEMENT.....	- 11 -
4.4. SIGN IN.....	- 12 -
4.5. VOTE.....	- 13 -
4.6. FIRE ALARM.....	- 15 -
4.7. MENU PAGE.....	- 15 -
4.8. SYSTEM SETTING.....	- 16 -
4.9. LANGUAGE SETTING.....	- 16 -
4.10. BACKLIGHT SETTING.....	- 17 -
4.11. SYSTEM STATUS PAGE.....	- 17 -
4.12. SCREEN BRIGHTNESS ADJUSTMENT.....	- 17 -
4.13. VOLUME ADJUSTMENT.....	- 18 -
4.14. SERVICE APPLICATION.....	- 18 -
4.15. WIRELESS AP DROP DETECTION FUNCTION.....	- 19 -
4.16. CONTROLLER OFFLINE DETECTION FUNCTION.....	- 20 -
4.17. WIFI SSID AND PASSWORD MODIFICATION.....	- 20 -
4.18. DUPLICATE ID DETECTION.....	- 20 -
4.19. EDIT ID FUNCTION.....	- 21 -
4.20. SPEECH COUNTDOWN AND SPEECH TIMEKEEPING.....	- 21 -
4.21. CHARGE, BATTERY LEVEL, WIFI SIGNAL STRENGTH, CHARGING MODE INDICATION.....	- 22 -
4.22. SHORT MESSAGE.....	- 22 -
4.23. AUTOMATIC LOW-BATTERY SHUTDOWN.....	- 23 -
4.24. SWITCH BUTTON FUNCTION.....	- 23 -
4.25. LOW SIGNAL STRENGTH INDICATION.....	- 23 -
4.26. QUICK CHARGE MODE DESCRIPTION.....	- 24 -

1. System overview

The WiFi full digital conference system adopts the original network communication and digital transmission processing technology with completely independent intellectual property rights, and applies digital technology and network technology to conference system products. The perfect combination of wireless network and wired digital products brings a new breakthrough change to the conference field.

2. Product introduction

CS17-17 CS17-18 4.3-inch WiFi conference chairman/delegate unit



CS17-17 Chairman Unit

CS17-18 Delegate Unit

2.1. Feature

1. The microphone uses a 48KHz sampling rate.
2. Support speech timekeeping and speech countdown functions.
3. The chairman unit has a priority function to turn off all delegate microphones that are speaking. The delegate unit can apply to speak with the approval of the chairman.
4. Support voice control function, adjustable voice control sensitivity; intelligently turn on the microphone and set the off time.
5. With 5-band EQ adjustment function (adjusted by inputting password of PC software), sound effects can be adjusted according to different speakers' voice characteristics until the perfect effect is achieved.
6. With custom voting function, flexible and convenient.
7. Adopt 128-bit AES encryption technology, support WPA/WPA2 wireless security technology, prevent eavesdropping and unauthorized access, and provide higher confidentiality of the conference system.
8. With a 4.3-inch color screen, it can display information such as microphone on/off, ID settings, power status, signal strength, etc. It supports multi-touch capacitive buttons.

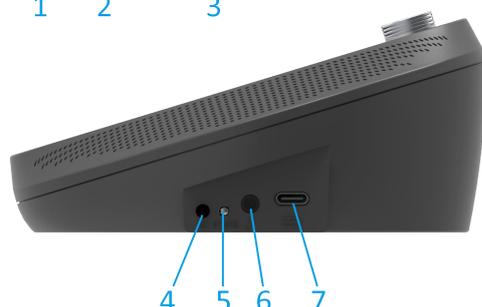
9. With clock display function, it can display date and time: year, month, day, hour, minute.
10. It comes standard with 6 high-capacity lithium batteries with a battery capacity of 14400mA/h. The continuous speech time reaches 9-11 hours, and the continuous speaker output time is 7-8 hours.
11. With a USB charging interface, it supports 18W fast charging.
12. Support Chinese, English, Russian, French four language interface switching.

2.2. Product function introduction

CS17-17 Chairman Unit:



CS17-18 Delegate Unit:



1. Microphone button (touch);
2. Chairman unit priority button (touch);
3. 4.3-inch capacitive touch screen;
4. Power switch;
5. Charging indicator;
6. 3.5mm headphone interface;
7. USB interface;
8. Speaker interface.

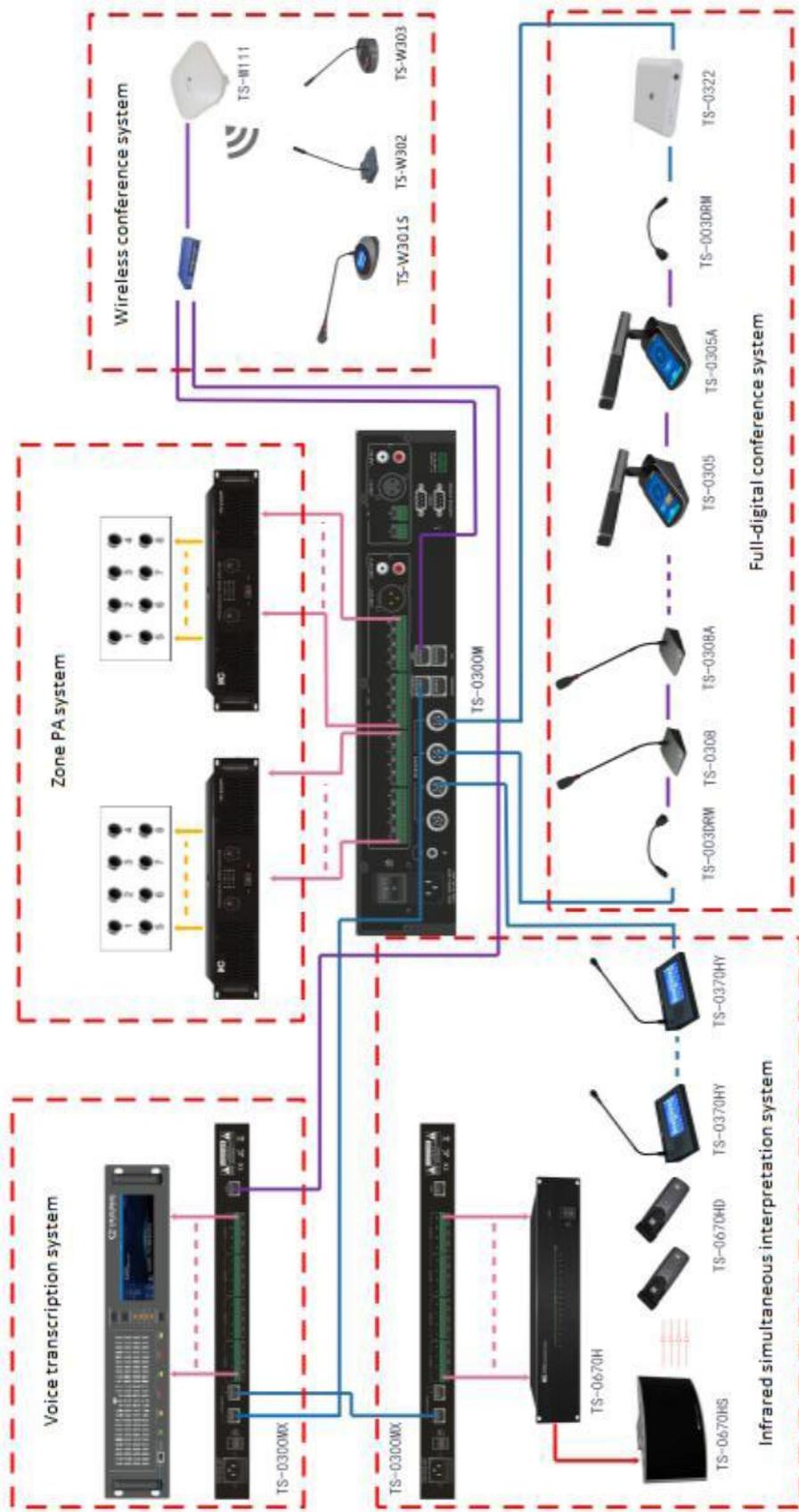
Charging method:

- 1) Charging indicator: The red light indicates that it is charging, and the green light indicates that the battery is fully charged.
- 2) For the charging cable, please use the USB cable and charger provided with the product. For the fast charging function, you need to purchase an adapter separately

2.3. Specification

Model	CS17-17/CS17-18
Microphone type	Cardioid directional electret microphone
Frequency response	80Hz~16KHz
Sensitivity	-36±1.5dB (0dB=1V/Pa, at 1KHz)
Max SPL	100dB(THD>3%)
SNR	>80dB(A)
Crosstalk	>70dB
Dynamic range	>80dB
THD	<0.1%
Speaker maximum output power	2W
Headphone output power/impedance	15mW / > 32ohm < 200ohm
Maximum power consumption	5W
Power supply	Battery powered
Color	Grey
Voting function	Five-key/three-key voting, custom voting
Sign-in function	Button sign in
Display screen	4.3-inch color screen
Dimension (L×W×H)	196×134×63mm
Installation method	Desktop installation
Wireless frequency range	2.4GHz~2.4835GHz/5.15GHz~5.85GHz
Battery capacity	14400mAh
Weight	0.7Kg
Working time in standby mode	12 hours
Working time in speech mode	10 hours
Working time in mixed mode	8 hours
Mic pole length	409mm

3. System connection diagram



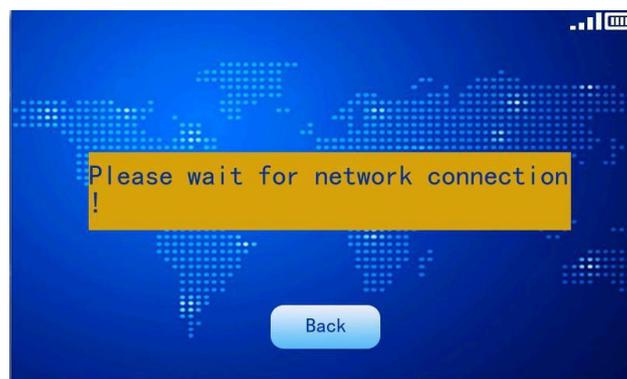
4. CS17-17 CS17-18 Operating instructions

4.1. Boot

Turn on the power of the controller to start the conference system, and the controller will display on the screen "System Loading...", The page is as follows:



After the boot, the touch screen displays the LOGO interface; enter the home page after connecting to the controller network, the interface is as follows:



4.2. Unit type

On the touch screen of the chairman unit, you can switch microphones, turn off all delegate microphones, switch between Chinese and English, and adjust brightness.

On the touch screen of the delegate unit, you can switch the microphone, switch between Chinese and English, and adjust the brightness.

4.3. Meeting management

The microphone switch of the unit is controlled by the conference management, and its permission is configured by the conference controller. Refer to the controller's conference mode description for the logic of use.

Press the MIC switch button to switch the microphone, the unit display is as follows:



In APPLY mode, when a delegate unit applies to turn on the microphone, the delegate display is as follows:



The chairman unit displays as follows:



When the number of applicants is full, it prompts that it is full:



In the NOMAL mode, the delegate units that exceed the number enter the waiting state. When the number of people is full, the user is prompted for FULL:



Press the priority button of the chairman unit to turn off the microphones of all delegate units. The chairman unit turns on the microphone delegate unit and the display is as follows:



4.4. Sign in

The wired chairman machine or PC software initiates sign-in, and the corresponding light is on, and the display is as follows. If you still stay on the main interface, it means that the unit is forbidden to sign in.



Press the sign-in button on the screen or press the switch microphone button to sign-in. After sign-in, the indicator light is always on, and the display is as follows:



4.5. Vote

The wired chairman unit can initiate 3-button voting for fixed options; PC software can initiate 3-button voting for fixed options, 5-button elections for fixed options, 5-button ratings for fixed options, and custom options 2/3/4/5 key elections. The display is as follows:

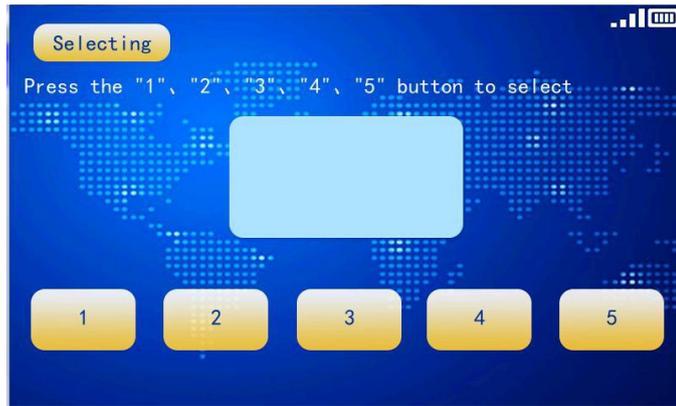
The 3-button voting process for fixed options:



3-button voting for fixed options, press the button to display accordingly:



The 5-button election process for fixed options:



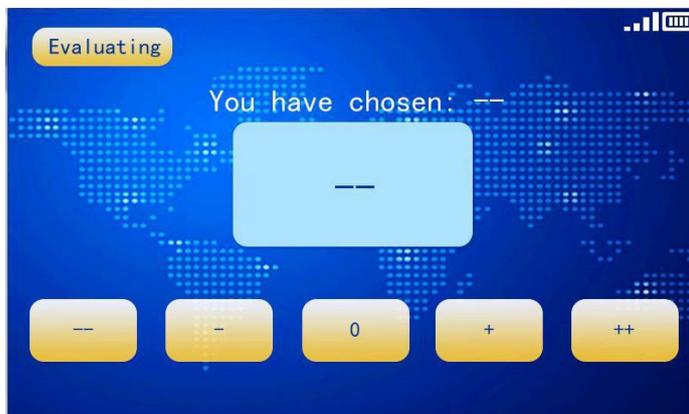
The 5-button election of fixed options will be displayed when the button is pressed:



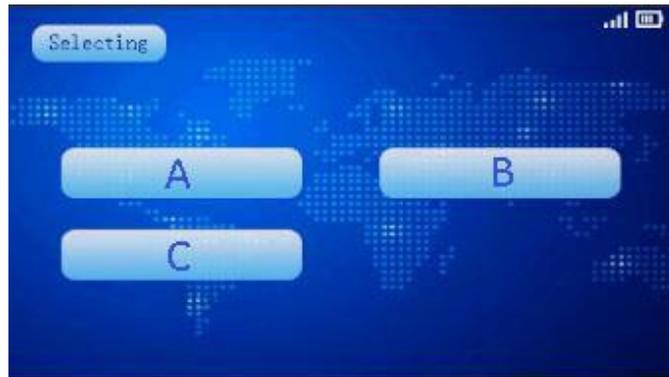
5-button rating process for fixed options:



The 5-button rating of the fixed options will be displayed when the button is pressed:



Custom option 2/3/4/5 button election process:



Custom option 2/3/4/5 button election, press the button to display correspondingly:



4.6. Fire alarm

When the controller sends a fire alarm message, the controller screen will display "Fire warning" Prompt, the red light of the microphone pole will flash until the controller cancels the fire alarm and the controller resumes its pre-alarm state. In the fire alarm, the button is invalid.



4.7. Menu page

Enter the menu page, as shown in the figure below, there are system settings, services, volume, brightness adjustment and other functions.



4.8. System setting

Enter the system settings page, as shown in the figure below, there are language setting, backlight setting, system status and other functions.



4.9. Language setting

Click the language setting button to enter the Chinese-English switching page to switch the four languages of Chinese, English, Russian, French, and save when power off. The setting page is as follows:



4.10. Backlight setting

Click the backlight setting button to enter the backlight setting page, as shown in the figure below:



4.11. System status page

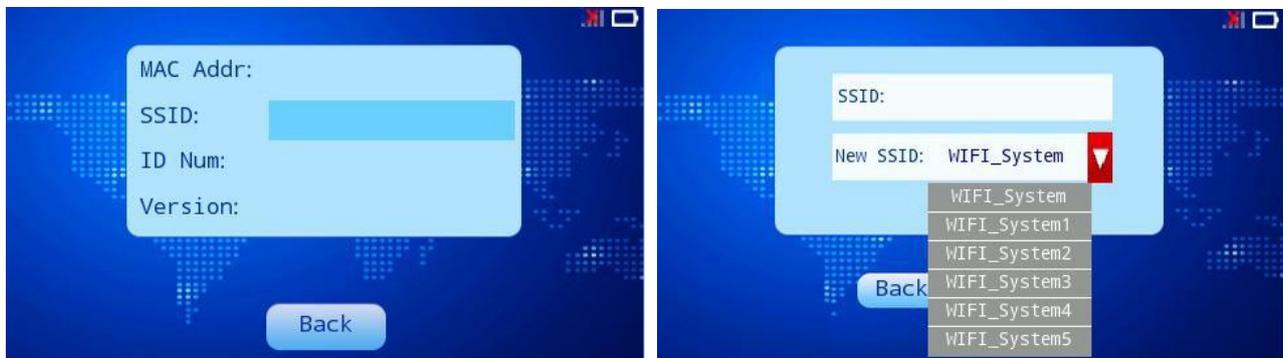
Click the system status button to enter the query system, as shown bellow:

MAC address: wireless network card MAC address.

Network name: SSID of wireless AP, click to select a network.

ID number: ID number assigned by the host.

Version number: the native software version number.



4.12. Screen brightness adjustment

Click the brightness adjustment button to enter the menu page, you can adjust the brightness of the machine, the adjustable range of brightness is 1 to 64, 64 is the maximum brightness. Support power-off memory.



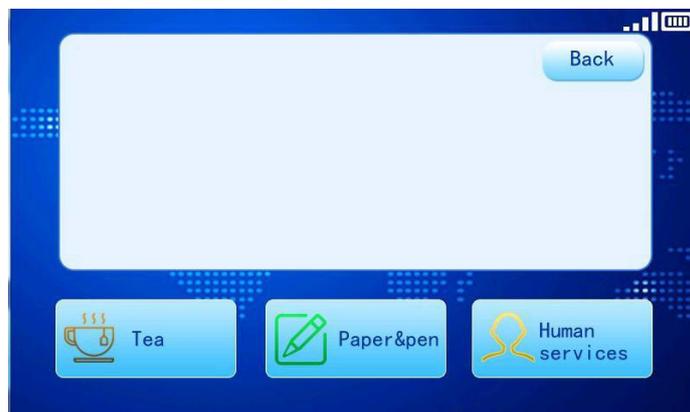
4.13. Volume adjustment

Click the volume button to enter the volume adjustment page, you can adjust the speaker output and headphone output at the same time, the volume adjustable range is 1 to 16, 16 is the maximum volume,Support power-off memory.



4.14. Service application

Participants can send "tea application", "paper and pen application", "manual service application" to the background according to actual needs, click on the service item on the menu page, and enter the page for sending the application. At this time, you can choose the application items to be sent.



When the application item is selected, the software will prompt whether to send the application, if yes, send it, otherwise it will return.



After sending the application, you can see the corresponding prompt on the PC, and the unit will also display the corresponding prompt.



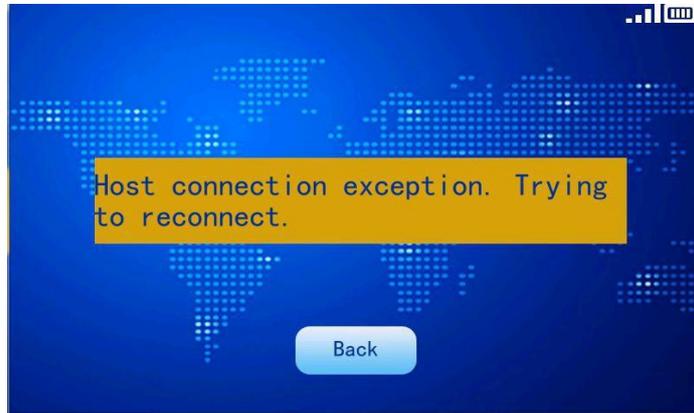
4.15. Wireless AP drop detection function

Turn off the wireless AP power for about 10 seconds, the interface will pop up the following dialog box. If the wireless AP works normally, the interface will return to the main page.



4.16. Controller offline detection function

Turn off the power of the controller or the controller network cable fails for about 60 seconds, the interface will pop up the following dialog box. If the controller works normally, the interface will return to the main page.



4.17. WIFI SSID and password modification

In the boot state, the USB port of the wireless controller is connected to the PC. Then use the SSID to modify the software. After the modification is successful, the wireless controller will prompt the following interface, and it will automatically shut down after 2 seconds.



4.18. Duplicate ID detection

If the controller connected to the controller has the same ID, it will be displayed as follows. At this time, you need to press the ID button on the controller to reprogram the ID.



4.19. Edit ID function

After the controller presses the Edit ID, it enters the Edit ID mode. At this time, press the set button or press the microphone button to set the ID.



4.20. Speech countdown and speech timekeeping

This function needs to be controlled by the conference PC software. For details, please refer to the PC operating instructions. Its function is for switching the microphone. When speaking at a fixed time, the PC will issue the time for speaking at a fixed time, the unit will count down and display the remaining speech time, and the microphone will be automatically turned off when the time is up.



In the speech timekeeping, the PC designates the unit for speech timekeeping, and the unit accounting displays the speech time.



4.21. Charge, battery level, WIFI signal strength, charging mode indication

WIFI signal strength, a total of 4 white bars, no signal means no icon: ;

There are 4 bars in full charge, the icon is: ;

The icon of the charging plug is ;

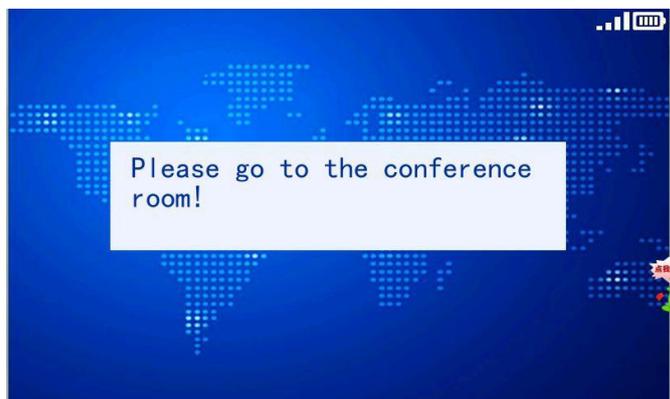
Fast charge mode: ;

Ordinary charging: .

4.22. Short message

This function needs to be controlled by the conference PC software. For details, please refer to the PC operating instructions. Its function is that the PC can send/broadcast messages to the display screen of the unit to remind the users of the unit. Examples are as follows:

Fixed message:



Custom message:



4.23. Automatic low-battery shutdown

When the battery is too low, the wireless controller will automatically shut down after prompting the following picture.



4.24. Switch button function

In the shutdown state, short press the button to turn on the system.

In the power-on state, long press the button for 3s, system shutdown.

4.25. Low signal strength indication

When the signal strength is too low and the connection with the AP is not disconnected, the following interface appears. At this time, the microphone and other functions cannot be operated, and the user needs to move closer to the AP to make the signal ≥ 1 bar before it can resume normal operation.



4.26. Quick charge mode description

Type-C port supports USB Power Delivery (PD2.0/PD3.0) protocol, supports FCP/AFC/SFCP fast charge protocol. Compatible with BC1.2, Apple, Samsung mobile phone fast charge, etc.