

Ai Box3.0 US

User Manual



catalogue

Safety Information.....	2
1. Product introduction.....	4
1.1 Product features.....	5
1.2 Product specification.....	7
1.3 Screen Dimension Figure (mm).....	8
1.4 standard packaging.....	9
2. Product Installation.....	10
2.1 Installation guide.....	10
2.2 Installation method of moving.....	10
2.3 Installation method of wall-mounted.....	16
3. Power on and off Guidance.....	22
3.1 Power-on steps.....	22
3.2 Power-off steps.....	23
3.3 Standby steps.....	24
4. Description of Remote Control.....	24
4.1 Remote control button description.....	24
4.2 Remote control matching guide.....	25
5. Initial Setup.....	26
6. Novice Guide.....	31
6.1 Remote control guide.....	31
6.2 Wireless display adapter guide.....	31
6.3 IOS/MAC display guide.....	31
6.4 Software display guide.....	32
7. Display Guide.....	32
7.1 Wireless display.....	32
7.2 Signal source access.....	46
8. Signal Source Switching.....	46
8.1 Presentation.....	46
8.2 Remote control menu.....	46
8.3 Remote Control Signal Source Switching.....	47
9. Display Effect Settings.....	48
9.1 Scene mode.....	48
9.2 Custom display effect.....	49
9.3 Eye protection mode.....	50
10. Settings.....	51
10.1 Network settings.....	52
10.2 Effect settings.....	57
10.3 Sound settings.....	59
10.4 General settings.....	59
10.5 System settings.....	68
11. ES File Explorer.....	75
12 . Product Maintenance.....	77
12.1 Tool preparation.....	77
12.2 Cabinet accessories replacement guide.....	78
12.3 Maintenance instructions.....	80

Safety Information



WARNING!

Please read the safety measures listed in this section carefully before installing, powering on, operating, or doing maintenance on this product.

The following marks on the product and in this manual indicate important safety measures.

					
WARNING! Safety risk! Might cause equipment damage or safety risk.	WARNING! Please read the manual before operating.	WARNING! Dangerous voltage! Might cause equipment damage or electric shock.	WARNING! Hot surface! Do not touch.	WARNING! Flammable!	WARNING! Possible damage to eyes.



WARNING: Be sure to understand and follow all safety guidelines, safety instructions, warnings and precautions listed in this manual.

This product is for professional use only!

This product may result in serious injury or death due to fire hazard, electric shock, and crushing hazard.



Please read this manual carefully before installing, powering up, operating and maintenance of this product.

Follow safety instructions in this manual and on the product. If you have any questions, please seek help from Absen.



Beware of Electric Shock!

- To prevent electric shock the device must be properly grounded during installation. Do not ignore using the grounding plug, or else there is a risk of electric shock.
- During a lightning storm, please disconnect the device's power supply, or provide other suitable lightning protection. If the equipment is not in use for a long time, please unplug the power cord.
- When performing any installation or maintenance work (e.g. removing the fuses, etc.,) make sure to turn off the master switch.
- Disconnect AC power when the product is not in use, or before disassembling, or installing the product.
- The AC power used in this product must comply with local building and electric codes, and should be equipped with overload and ground fault protection.
- The main power switch should be installed at a location near the product and should be clearly visible and easily reached. This way in case of any failure the power can be promptly disconnected.
- Before using this product check all electrical distribution equipment, cables and all connected devices, and make sure all meet current requirements.
- Use appropriate power cords. Please select the appropriate power cord according to the required power and current capacity, and ensure the power cord is not damaged, aged or wet. If any overheating occurs, replace power cord immediately.
- For any other questions, please consult a professional.

**Beware of Fire!**

- Use a circuit breaker or fuse protection to avoid fire caused by power supply cables overloading.
- Maintain good ventilation around the display screen, controller, power supply and other devices, and keep a minimum 0.1 meter gap with other objects.
- Do not stick or hang anything on the screen.

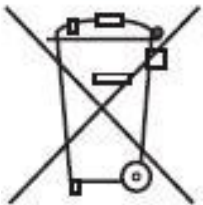


- Do not modify the product, do not add or remove parts.
- Do not use the product in case ambient temperature is over 55 °C.



Beware of Injury!

- Warning: Wear a helmet to avoid injury.
- Ensure any structures used to support, fix and connect the equipment can withstand at least 10 times the weight of all the equipment.
- When stacking products, please hold products firmly to prevent tipping or falling.
- Ensure all components and steel frames are securely installed.
- When installing, repairing, or moving the product, ensure the working area is free of obstacles, and ensure the working platform is securely and stably fixed.
- In the absence of proper eye protection, please do not look directly at the lit screen from within a 1 meter distance.
- Do not use any optical devices that have converging functions to look at the screen to avoid burning the eyes.



Product Disposal

- Any component that has a recycling bin label can be recycled.
- For more information on collecting, reusing and recycling, please contact the local or regional waste management unit.
- Please contact us directly for detailed environmental performance information.



WARNING: Beware of suspended loads.



LED lamps used in the module are sensitive and can be damaged by ESD (electrostatic discharge). To prevent damage to LED lamps, do not touch when the device is running or switched off.



WARNING: The manufacturer shall not bear any responsibility for any incorrect, inappropriate, irresponsible or unsafe system installation.

1. Product introduction

Absenicon3.0 series standard conference screen is an LED intelligent conference terminal product developed by Absen, which integrates document display, high-definition display and video conference application, and can meet the multi-scene requirements of enterprise high-end conference rooms, lecture halls, lecture room , exhibitions and so on.

Absenicon3.0 series conference screen solutions will create a bright, open, efficient and intelligent conference environment, enhance audience's attention, strengthen speech influence and improve conference efficiency.

Absenicon3.0 series conference screens bring a brand-new large-screen visual experience for the conference room, which can share the speaker's intelligent terminal content to the conference screen at any time, without complicated cable connection, and easily realize wireless projection of multi-platform terminals of Windows, Mac OS, iOS and Android. At the same time, according to different conference application scenarios, four scene modes are provided, so that document presentation, video playback and remote conference can match the best display effect. The fast wireless display of up to four screens and switching function can meet various meeting scenarios, and is widely used in commercial meeting scenarios of government, enterprise, design, medical care, education and other industries.



1.1 Product features

1. The front of the screen adopts an integrated minimalist design, and the ultra-high percentage of display area for 94%. The front of the screen has no redundant design except for the switch button and the commonly used USB*2 interface. The giant screen interacts, breaking the space boundary, and immersing the experience ;
2. The back design of the screen is derived from lightning, blurring the concept of single-cabinet splicing, improving the integrated minimalist design, adding textures to improve heat dissipation performance, every detail is a display of art, shocking the eyes;
3. Minimalist hidden cable design, complete the connection of the screen and various external devices with one cable,bid farewell to the messy power signal wiring;
4. Adjustable brightness range 0~350nit by software, optional low blue light mode for eye protection, bring comfortable experience;
5. Ultra-high contrast ratio of 5000:1, 110% NTSC large color space, showing colorful colors, and the smallest visible details are in front of you;
6. 160° ultra-wide display viewing angle, everyone is the protagonist;
7. 28.5mm ultra-thin thickness, 5mm ultra-narrow frame;
8. Built-in audio, dividable frequency processing treble and bass, ultra-wide audio range, shocking sound effects;
9. Built-in Android 8.0 system, 4G+16G running storage memory, support optional Windows10, superb experience of intelligent system;
10. Support multiple device such as computer, mobile phone, PAD wireless display, support four screens simultaneously display, adjustable screen layout;
11. Support scan code to wireless display, no need to set up WIFI connection and other complicated steps to realize one-click wireless display;
12. Support one-key wireless display, access to the transmitter without driver installation, one-key projection;
13. Unlimited internet, wireless display does not affect work, Browsing web information at any time;
14. Provide 4 scene modes, whether it is document presentation, video playback, remote meeting, can match the best display effect, so that every moment can enjoy comfort, built-in a variety of VIP welcome templates, quickly and efficiently improve the welcome atmosphere;
15. Support remote control, can adjust brightness, switch signal source, adjust color temperature and

other operations, one hand can control various functions;

16.All kinds of interfaces are available, and peripheral devices can access ;

17. A variety of installation methods to meet your installation needs, 2 people 2 hours rapid installation,

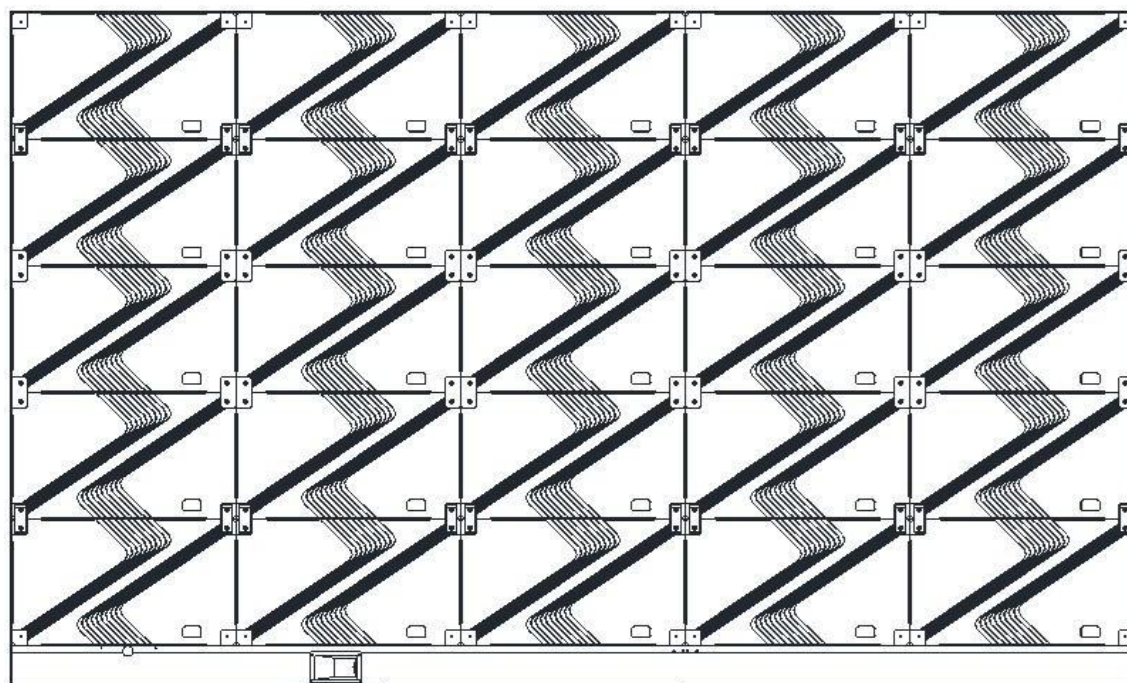
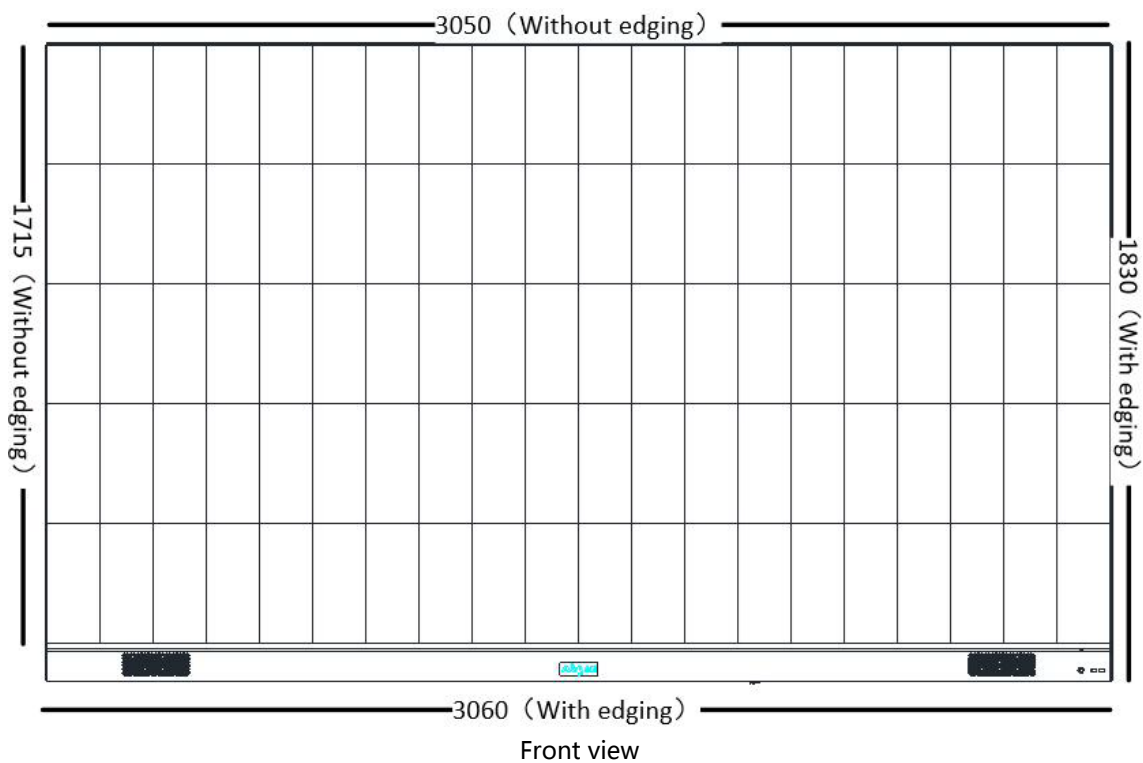
All modules support full front maintenance

1.2 Product specification

项目	型号	Ai Box3.0 S
Display Parameter s	Product size (Inch)	138
	Display area (mm)	3050*1715
	Screen size (mm)	3060*1830*28.5
	Pixel Per Panel (Dots)	1920x1080
	Brightness (nit)	350nit
	Contrast Ratio	5000:1
	colour space NTSC	110%
Power Parameters	power supply	AC 100-240V
	average power consumption(w)	500
	Maximum power consumption(w)	1500
System Parameters	Android system	Android8.0
	System configuration	1.7G 64-bit quad-core processor, Mail T820 GPU
	System memory	DDR4-4GB
	Storage capacity	16GB eMMC5.1
	control interface	MiniUSB*1 , RJ45*1
	I/O interface	HDMI2.0 IN*3 , USB2.0*1 , USB3.0*3 , Audio OUT*1 , SPDIF OUT*1 , RJ45*1 (Automatic sharing of network and control)
OPS	Optional	Support
Environmental Parameters	Operating Temperature (°C)	-10°C ~ 40°C
	Operating Humidity (RH)	10 ~ 80%RH
	Storage Temperature (°C)	-40°C ~ 60°C
	Storage Humidity (RH)	10% ~ 85%

Remark : Power consumption tolerance: ±15%, according to the actual situation.

1.3 Screen Dimension Figure (mm)



Rear view

1.4 standard packaging

The product packaging of the all-in-one machine is mainly composed of 4 parts: cabinet packaging (1*5 modular packaging), module packaging, installation structure packaging (movable bracket or wall-mounted), edging installation.

Cabinet packaging:

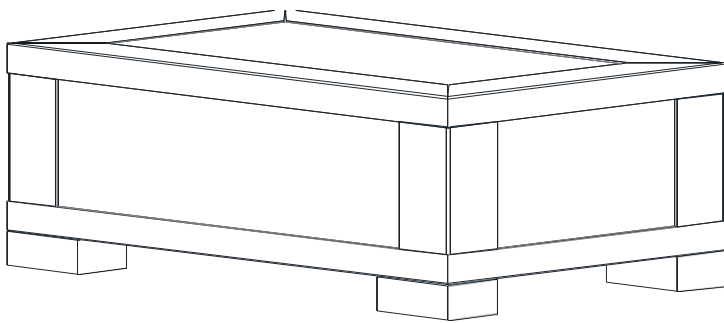
honeycomb carton 1870*760*500;

Module packaging: honeycomb carton 950*810*680;

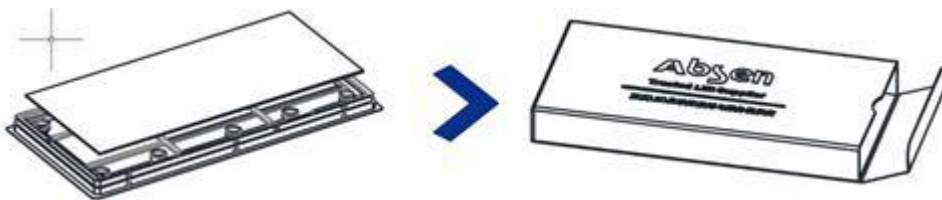
edging packaging: honeycomb carton 1950x440x380;

mobile bracket packaging: honeycomb carton 2010*870*400.

Schematic diagram of honeycomb carton :



Schematic diagram of module packaging :



2. Product Installation

This product can realize wall-mounted installation and movable bracket installation.

2.1 Installation guide

This product is calibrated by the whole machine. In order to ensure the best display effect, it is recommended to install it according to the identification sequence number of our company.

Diagram of installation number (front view)

1-1-1-1	1-1-1-2	1-1-1-3	1-1-1-4	1-1-2-1	1-1-2-2	1-1-2-3	1-1-2-4	1-1-3-1	1-1-3-2	1-1-3-3	1-1-3-4	1-1-4-1	1-1-4-2	1-1-4-3	1-1-4-4	1-1-5-1	1-1-5-2	1-1-5-3	1-1-5-4
1-1-1				1-1-2				1-1-3				1-1-4				1-1-5			
1-2-1-1	1-2-1-2	1-2-1-3	1-2-1-4	1-2-2-1	1-2-2-2	1-2-2-3	1-2-2-4	1-2-3-1	1-2-3-2	1-2-3-3	1-2-3-4	1-2-4-1	1-2-4-2	1-2-4-3	1-2-4-4	1-2-5-1	1-2-5-2	1-2-5-3	1-2-5-4
1-2-1				1-2-2				1-2-3				1-2-4				1-2-5			
1-3-1-1	1-3-1-2	1-3-1-3	1-3-1-4	1-3-2-1	1-3-2-2	1-3-2-3	1-3-2-4	1-3-3-1	1-3-3-2	1-3-3-3	1-3-3-4	1-3-4-1	1-3-4-2	1-3-4-3	1-3-4-4	1-3-5-1	1-3-5-2	1-3-5-3	1-3-5-4
1-3-1				1-3-2				1-3-3				1-3-4				1-3-5			
1-4-1-1	1-4-1-2	1-4-1-3	1-4-1-4	1-4-2-1	1-4-2-2	1-4-2-3	1-4-2-4	1-4-3-1	1-4-3-2	1-4-3-3	1-4-3-4	1-4-4-1	1-4-4-2	1-4-4-3	1-4-4-4	1-4-5-1	1-4-5-2	1-4-5-3	1-4-5-4
1-4-1				1-4-2				1-4-3				1-4-4				1-4-5			
1-5-1-1	1-5-1-2	1-5-1-3	1-5-1-4	1-5-2-1	1-5-2-2	1-5-2-3	1-5-2-4	1-5-3-1	1-5-3-2	1-5-3-3	1-5-3-4	1-5-4-1	1-5-4-2	1-5-4-3	1-5-4-4	1-5-5-1	1-5-5-2	1-5-5-3	1-5-5-4
1-5-1				1-5-2				1-5-3				1-5-4				1-5-5			

Number description:

The first digit is the screen number, the second digit is the cabinet number, from top to bottom, the top is the first row; The third place is the cabinet column number:

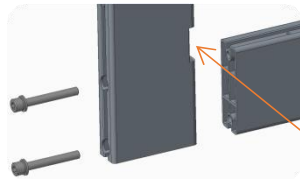
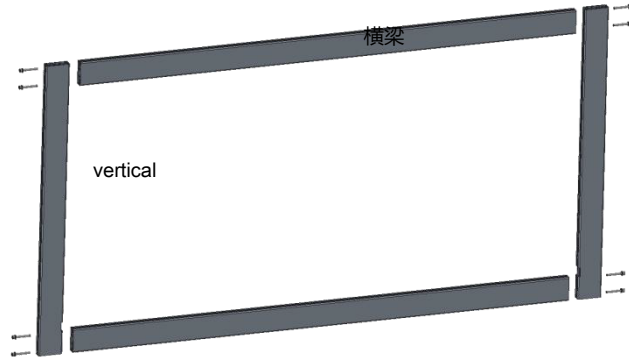
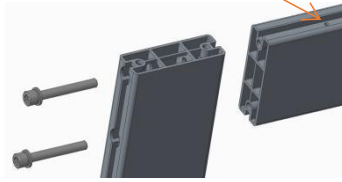
For example, 1-1-2 is the first row and the second column at the top of the first screen. For example, 3-4-5 is the fourth row and fifth column of the third screen.

2.2 Installation method of moving

2.2.1 Install frame

Take out the frame from the packing box, including the cross beam and vertical beam. Place it on the ground with the front facing upwards (the side with the silk-printed logo on the beam is the front); Assemble the four sides of the frame, including two beams, two vertical beams and 8 M8 screws.

The side of the beam with screw holes is facing up



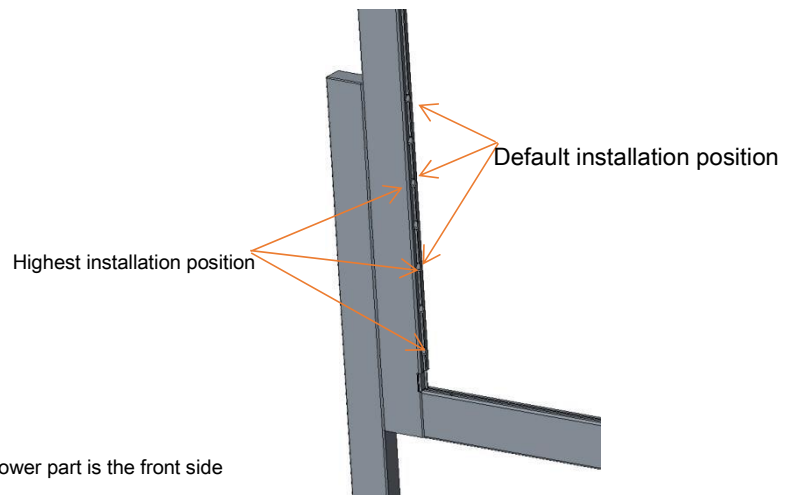
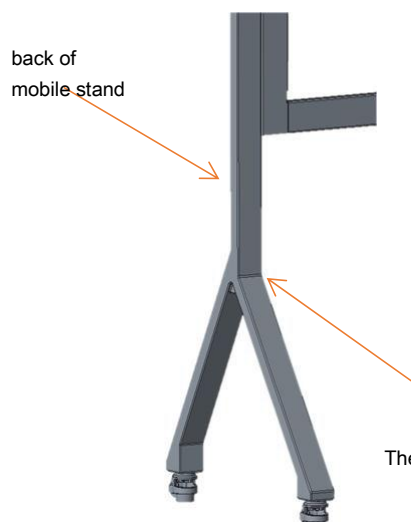
The vertical beam has a gap on the side facing inward

2.2.2 Install support legs

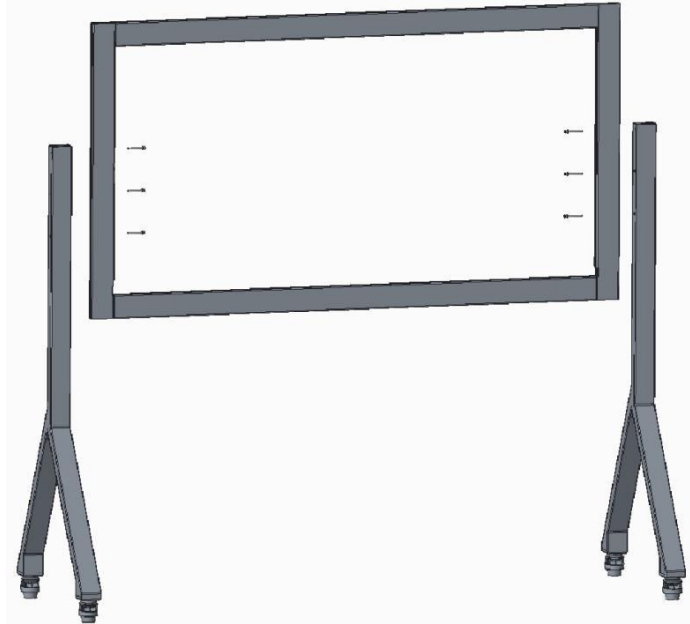
- (1) Confirm the the front and back of the support leg and height of the bottom of the screen from the ground.

Note: There are 3 heights to choose for the height of the bottom of the screen surface from the ground: 800mm, 880mm and 960mm, corresponding to different installation holes of the vertical beam.

The default position of the bottom of the screen is 800mm from the ground, the height of the screen is 2522mm, the highest position is 960mm, and the height of the screen is 2682mm.

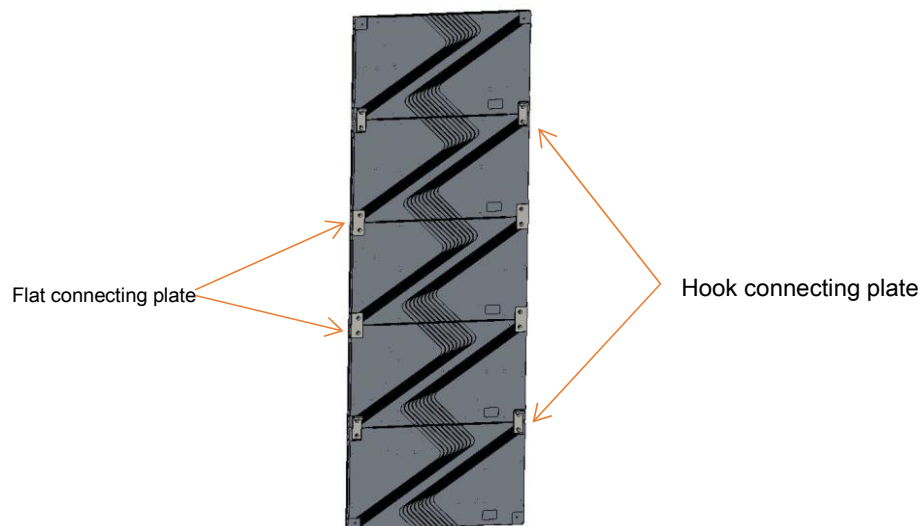


- (2) The front of the frame is in the same direction as the front of the support leg, and a total of 6 M8 screws on both sides are installed.

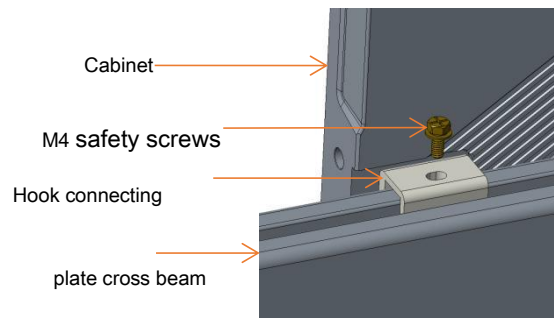


2.2.3 Install cabinet

Hang the middle row of cabinet first, and hook connecting plate on the back of the cabinet into the notch of the cross beam of the frame. Move the cabinet to the center and align the marking line on the beam;

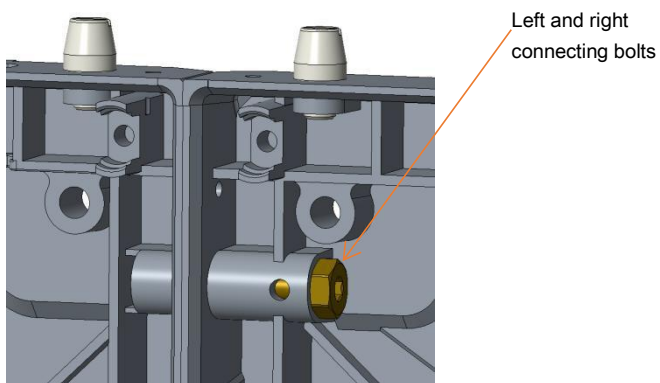


- (1) Install 4 M4 safety screws after the cabinet is installed;



Note: The internal structure is subject to the actual product.

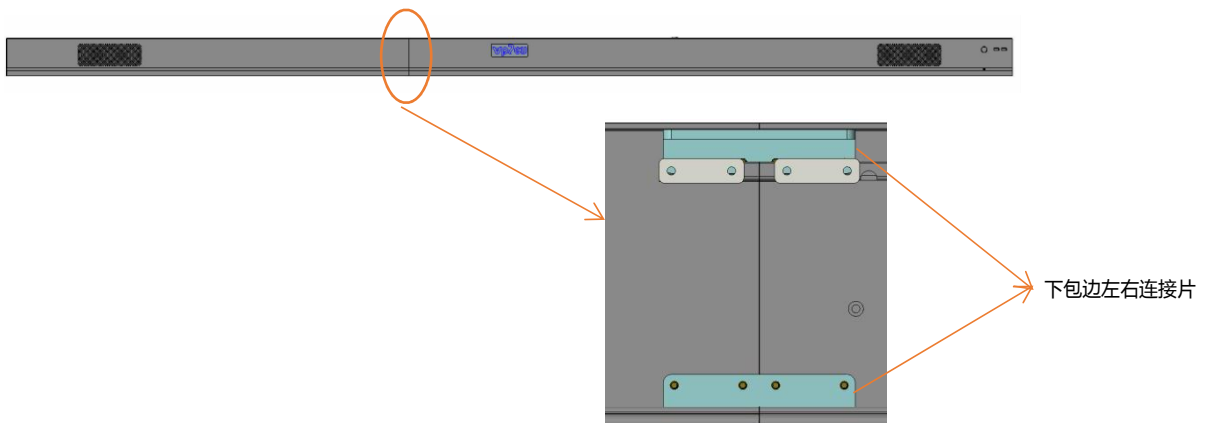
- (2) Hang the cabinets on the left and right sides in turn, and lock the left and right connecting bolts on the cabinet. The four-corner hook connecting plate of the screen are flat connecting plate.



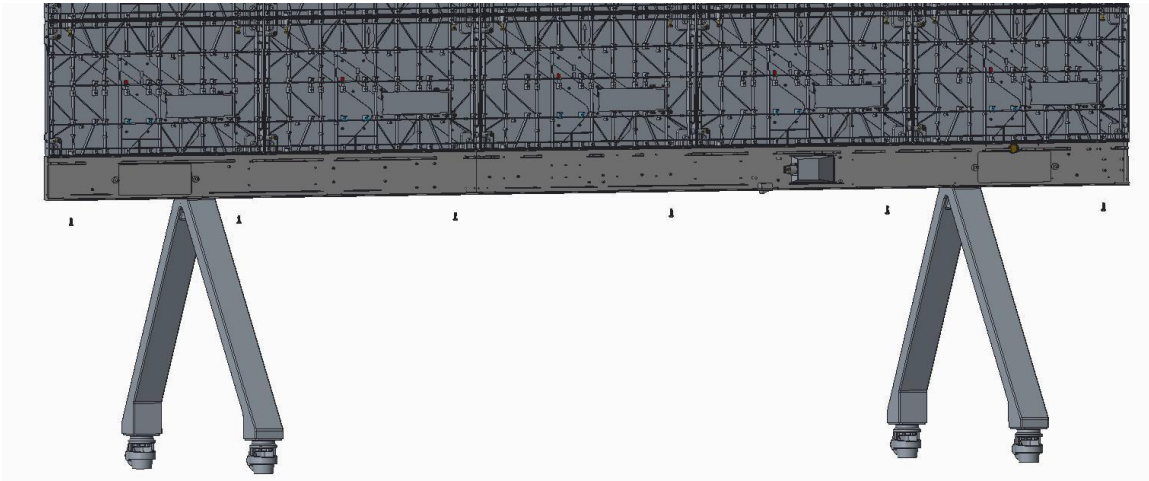
Note: The internal structure is subject to the actual product.

2.2.4 Install edging

- (1) Install the edging under the screen, and tighten the fixing screws of the left and right connecting plates of the bottom edging (16 M3 flat head screws);

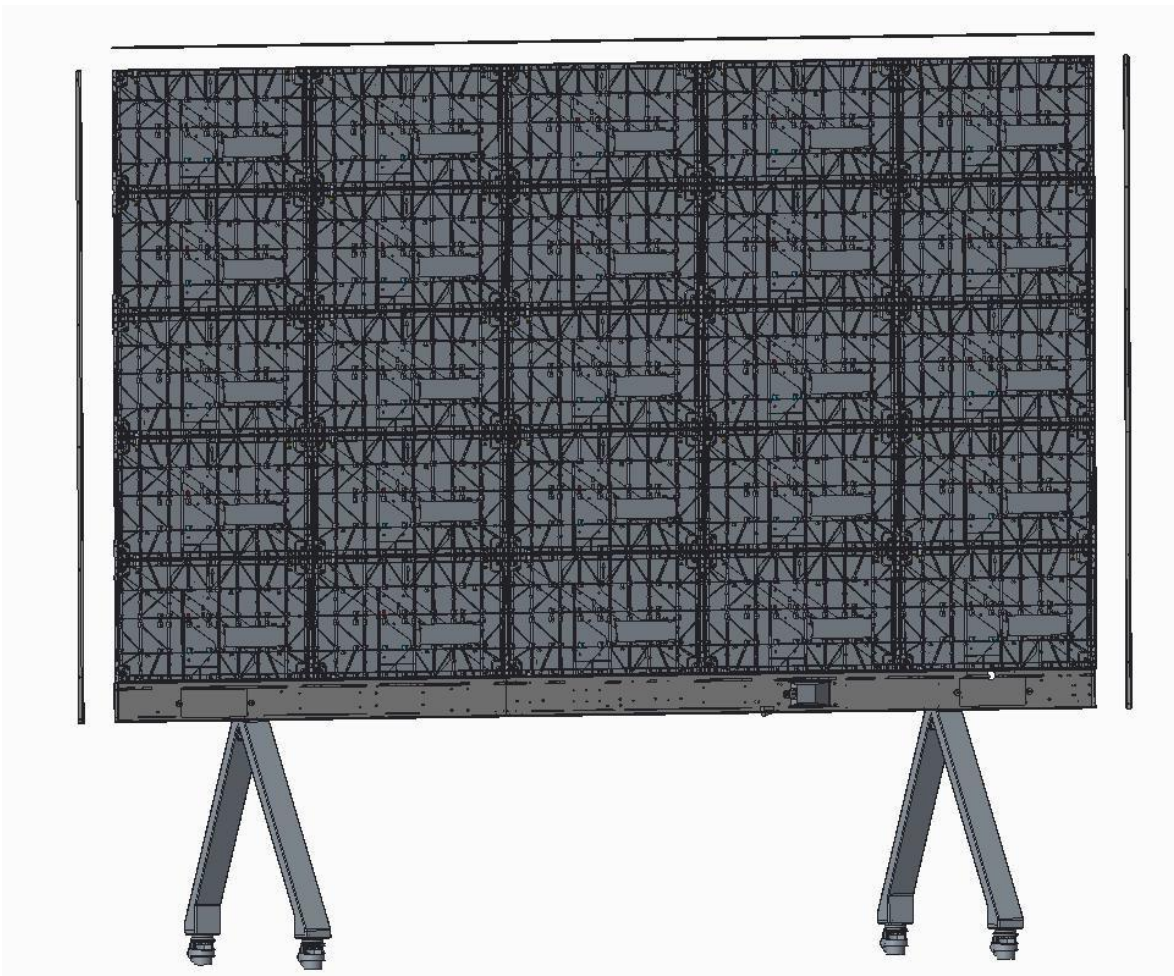


- (2) Fix the lower edging to the bottom row of cabinets, tighten 6 M6 screws, and connect the power and signal wires of the lower edging and the bottom cabinet;



Note: The internal structure is subject to the actual product.

- (3) Install the left, right and top edging using M3 flat head screws;



Note: The internal structure is subject to the actual product.

2.2.5 Install module

Install the modules in order of number.

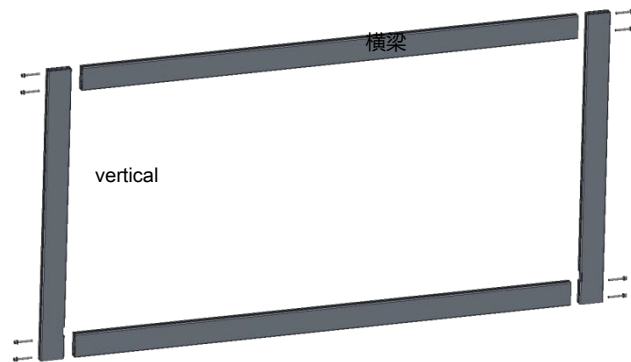
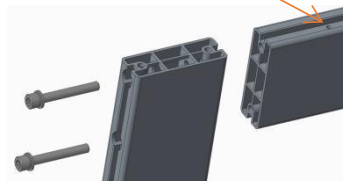


2.3 Installation method of wall-mounted

2.3.1 Assemble frame

Take out the frame from the packing box, including the cross beam and vertical beam. Place it on the ground with the front facing upwards (the side with the silk-printed logo on the beam is the front); Assemble the four sides of the frame, including two beams, two vertical beams and 8 M8 screws.

The side of the beam with screw holes is facing up



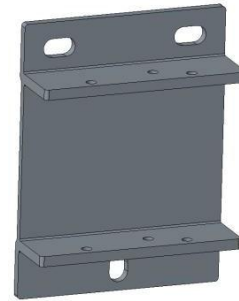
The vertical beam has a gap on the side facing inward

2.3.2 Install frame fixed connecting plate

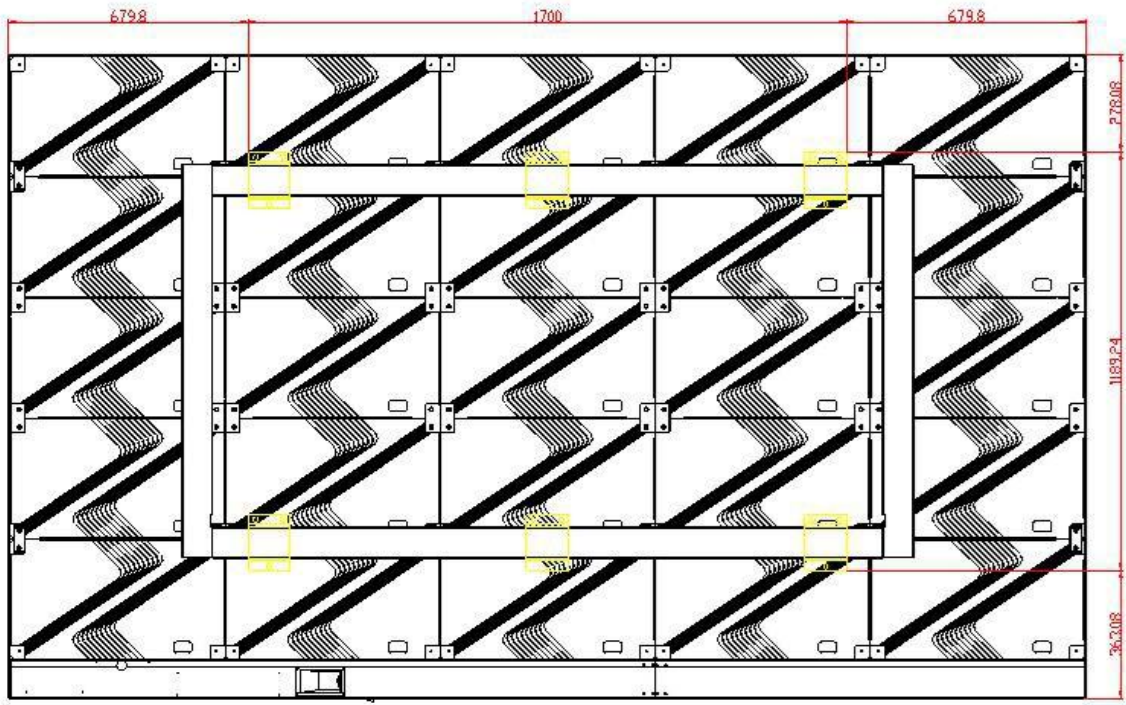
- (1) Install the frame fixed connecting plate;



Frame fixed connecting plate
(Each is fixed with 3 M8 expansion screws)

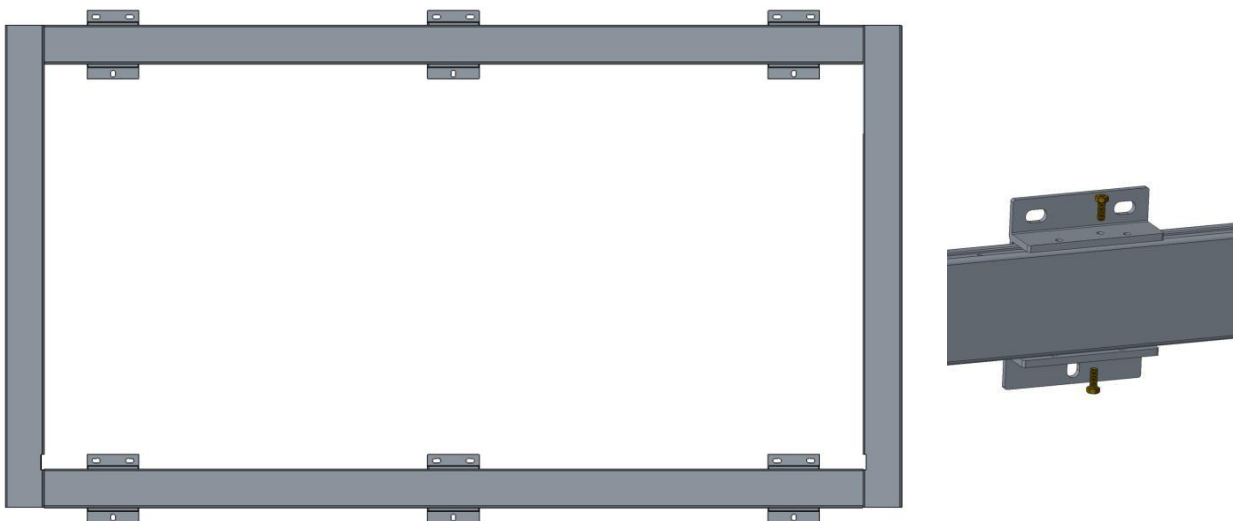


- (2) After confirming the installation position of the frame fixed connecting plate and the position of the screen, Holes in the wall to install frame fixed connecting plate (only 4 connecting plate on four sides can be installed when the wall bearing capacity is good);



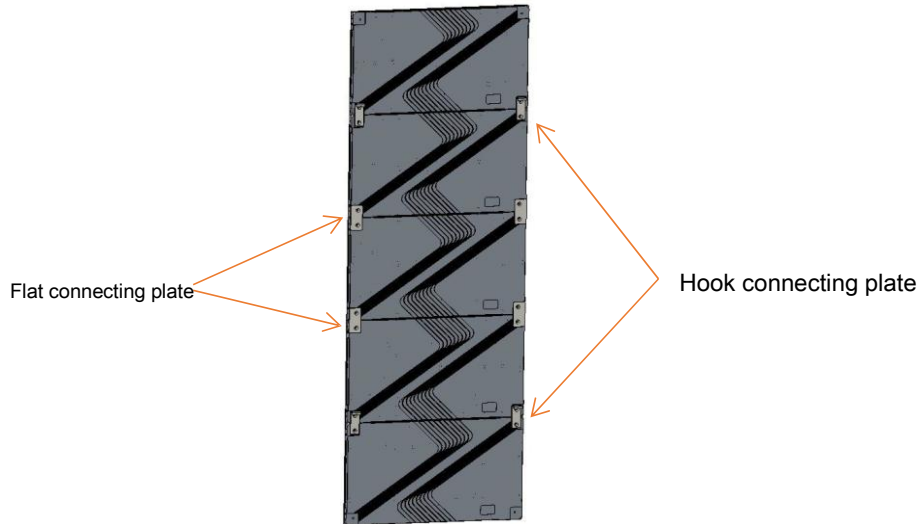
2.3.3 Fixed the frame

After the frame fixed connecting plate is installed, install the frame, fix it with 2 M6*16 screws at each position, and clamp it up and down.

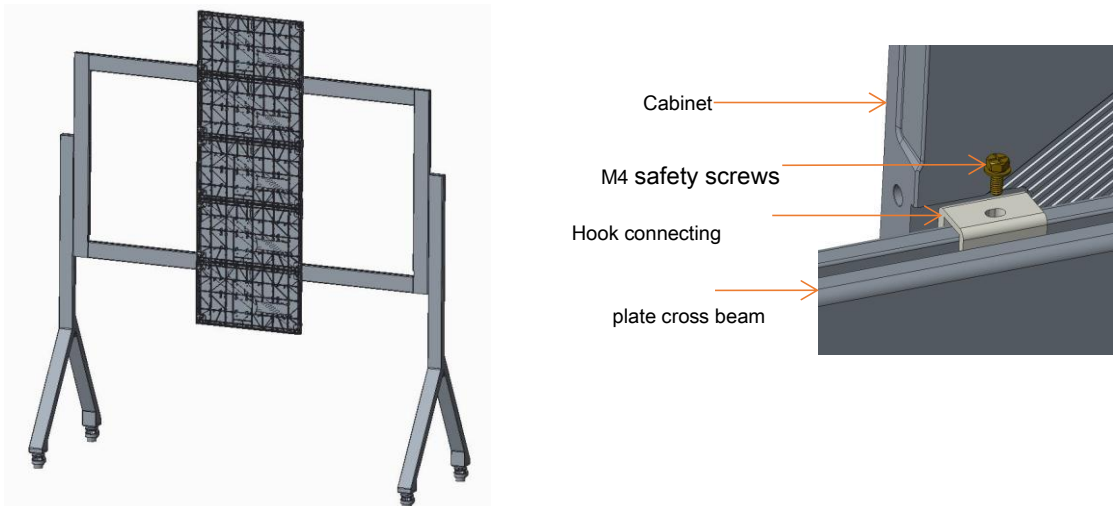


2.2.4 Install cabinet

Hang the middle row of cabinet first, and hook connecting plate on the back of the cabinet into the notch of the cross beam of the frame. Move the cabinet to the center and align the marking line on the beam;

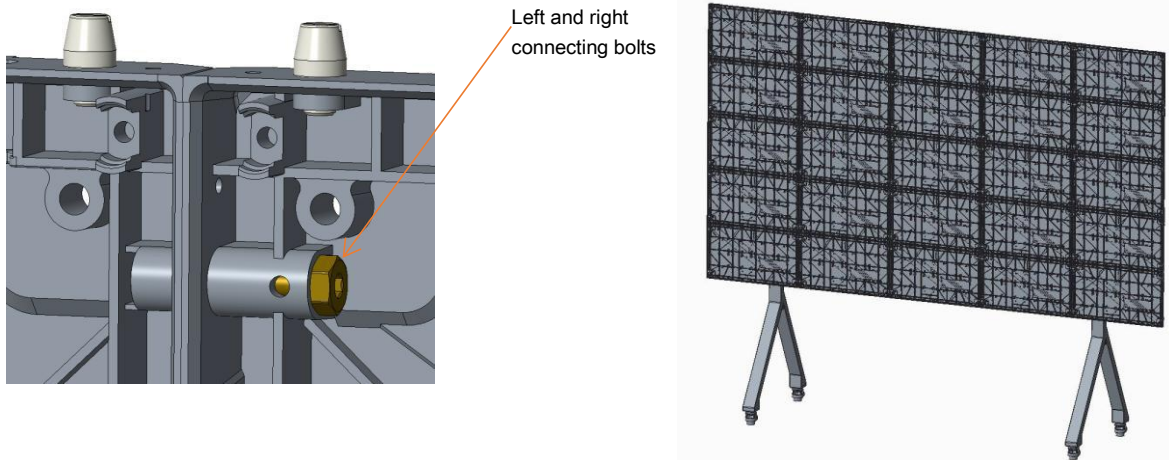


(1) Install 4 M4 safety screws after the cabinet is installed;



Note: The internal structure is subject to the actual product.

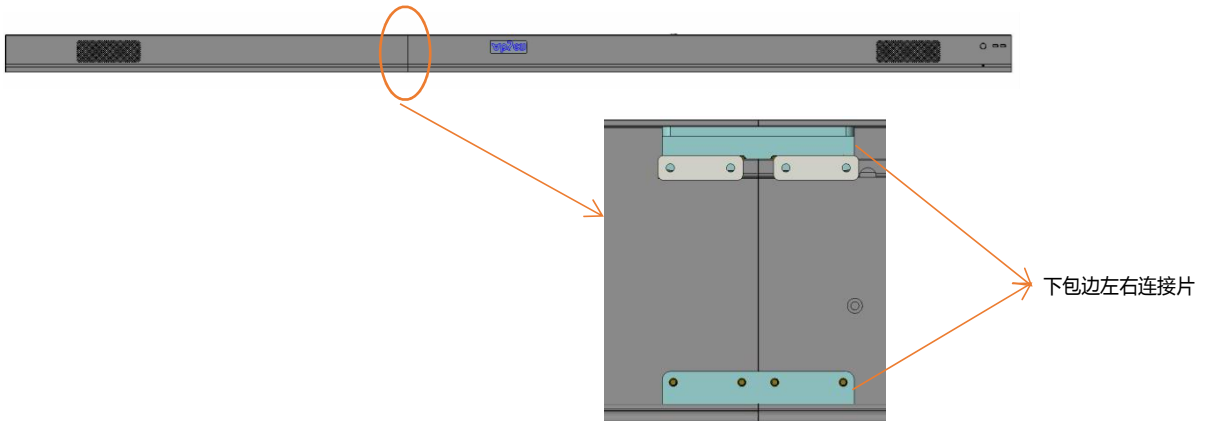
- (2) Hang the cabinets on the left and right sides in turn, and lock the left and right connecting bolts on the cabinet. The four-corner hook connecting plate of the screen are flat connecting plate.



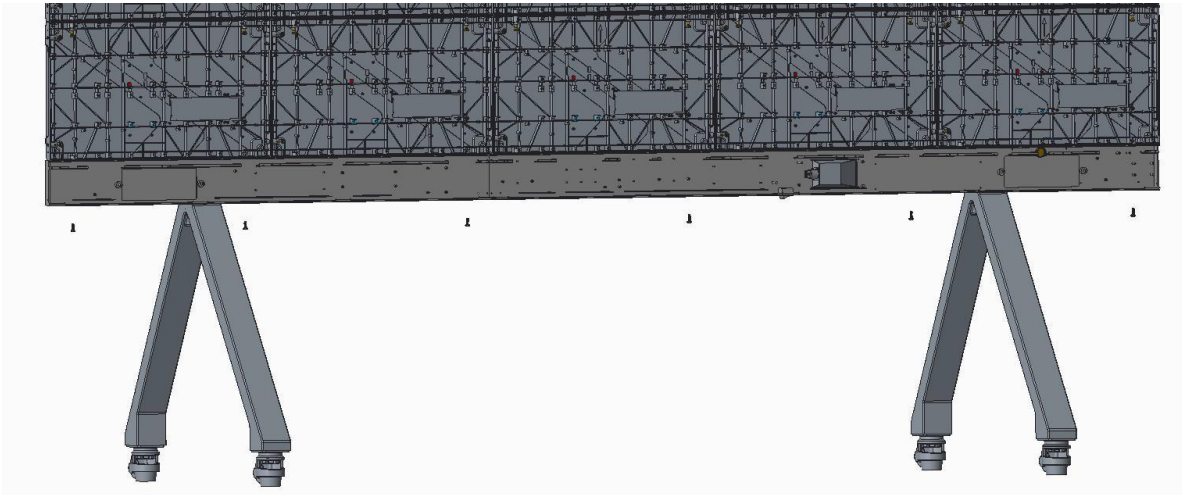
Note: The internal structure is subject to the actual product.

2.2.5 Install edging

- (1) Install the edging under the screen, and tighten the fixing screws of the left and right connecting plates of the bottom edging (16 M3 flat head screws);



- (2) Fix the lower edging to the bottom row of cabinets, tighten 6 M6 screws, and connect the power and signal wires of the lower edging and the bottom cabinet;



Note: The internal structure is subject to the actual product.

- (3) Install the left, right and top edging using M3 flat head screws;



Note: The internal structure is subject to the actual product.

2.2.6 Install module

Install the modules in order of number.



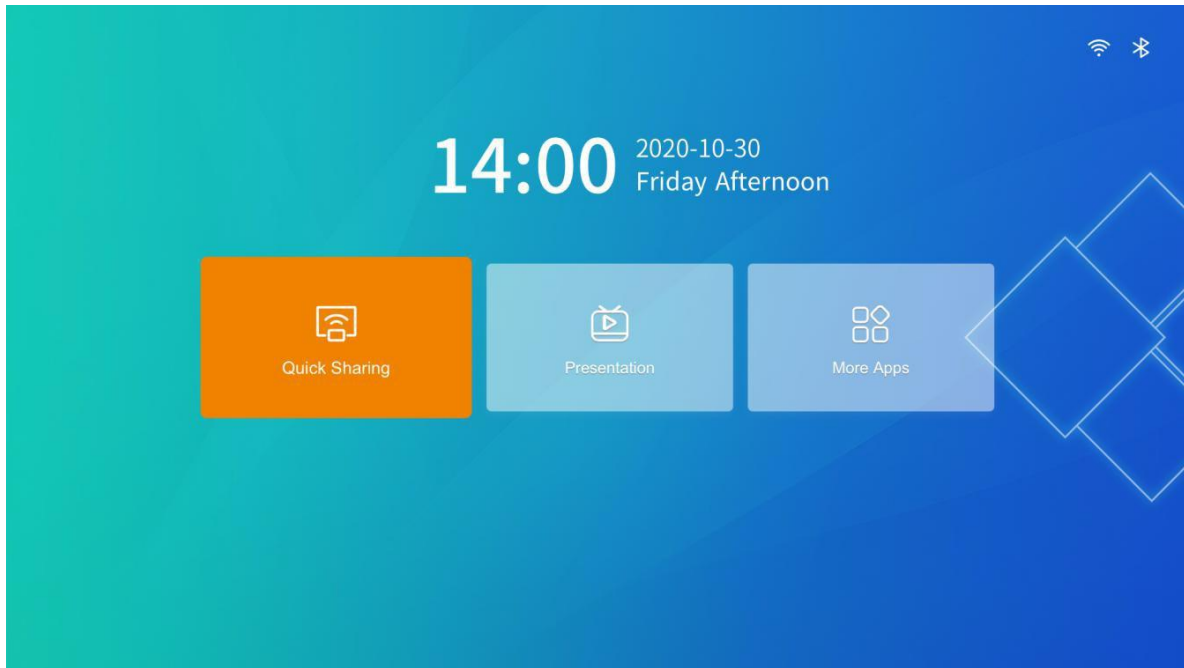
3. Power on and off Guidance

3.1 Power-on steps

Use 100 ~ 240V 50/60Hz alternating current as the power supply of Absenicon3.0 conference screen.

1. Turn the power switch at the bottom of the Absenicon3.0 conference screen (next to the power interface) to the "ON" position (the switch button indicator lights up in red);
2. Press the power button on the lower right corner of the Absenicon3.0 conference screen or the power button on the remote control to turn on the screen (the power button indicator lights up in blue);

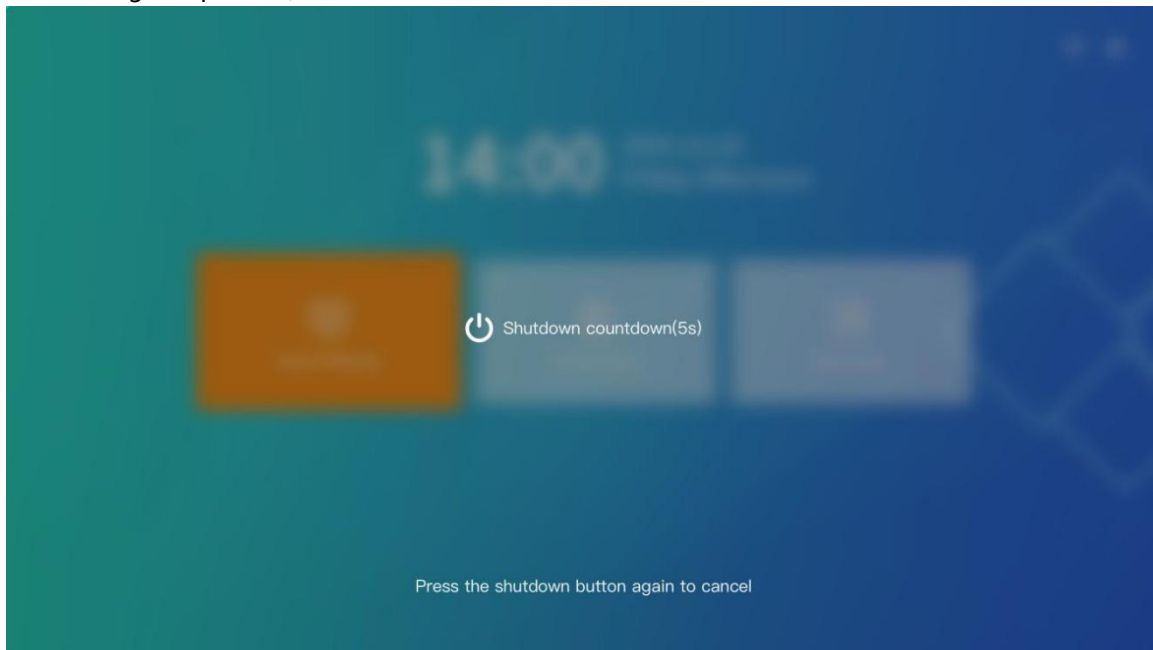




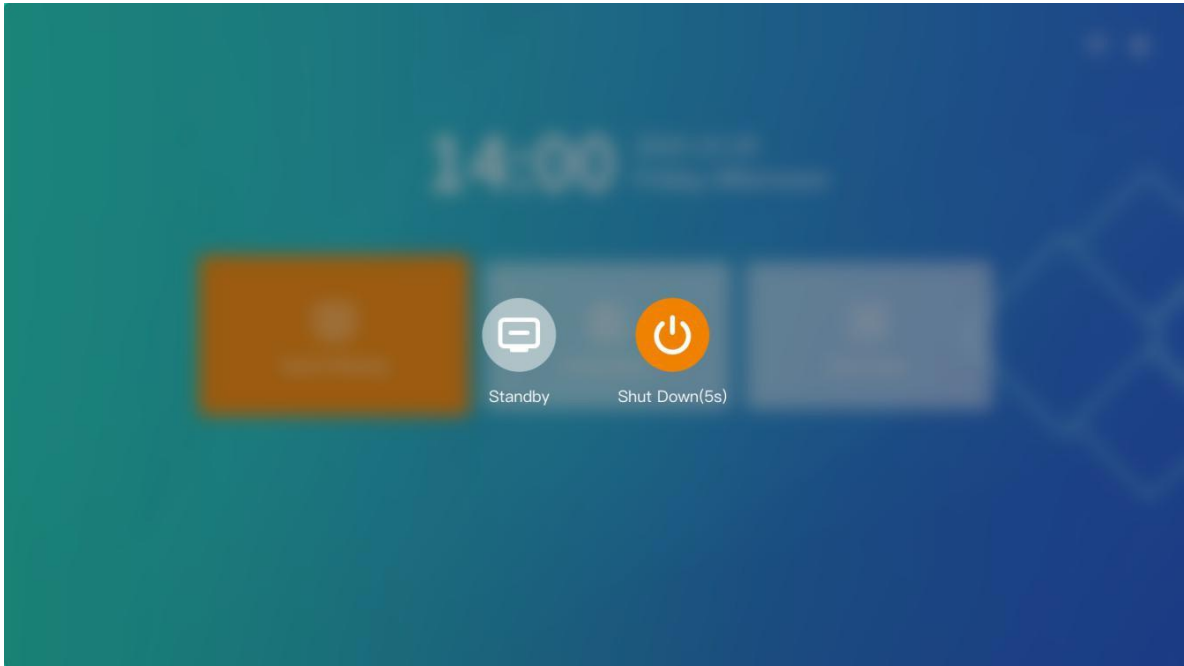
3.2 Power-off steps

When the Absenicon3.0 conference screen is turned on and working normally:

Method 1: Press the switch button on the lower right corner of the panel, the screen will display "Shutdown countdown (5S)" and "Press the shutdown button again to cancel" (the switch button status indicator lights up in red);



Method 2: Press the power button on the remote control, the screen displays "Standby (5S)" and "Shutdown". After selecting "Shutdown", it will count down to 5S to shut down (the power button status indicator lights up in red);



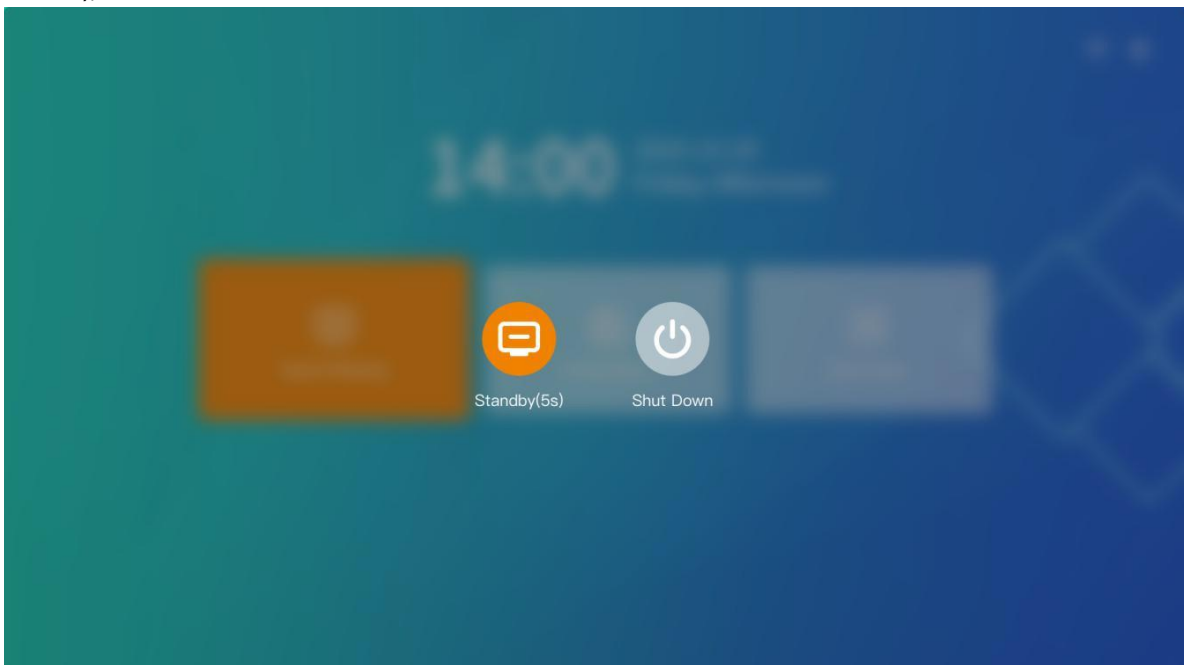
Completely power off: Turn the power switch at the bottom of the conference screen (next to the power interface) to the "OFF" position;

3.3 Standby steps

When the Absenicon3.0 conference screen is turned on and working normally:

Press the power button on the remote control, the screen displays "Standby (5S)" and "Shutdown".

After selecting "Standby", it will count down to 5S standby (the switch button status indicator lights up in blue);



4. Description of Remote Control

4.1 Remote control button description



4.2 Remote control matching guide

4.2.1 Method one

Press  and  button of remote control at the same time to match;





4.2.2 Method two

1. On the main interface of the conference screen system, select "More Applications" to enter the APP application interface;
2. Click "Settings" to open the menu interface, select "Network-Bluetooth" to enter the Bluetooth settings interface;
3. When the blue indicator light on the top of the remote control flashes, select "Scan Device" in the Bluetooth settings
4. In the device list, select the device name of "Storm Bluetooth Remote Control" and perform matching.

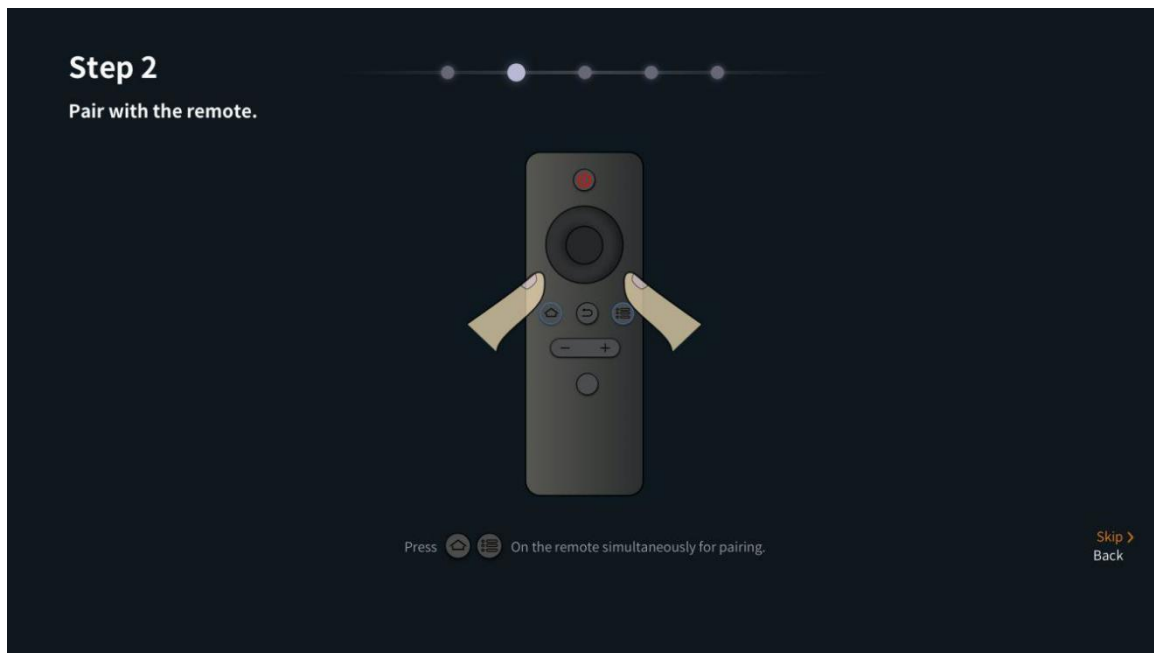
5. Initial Setup

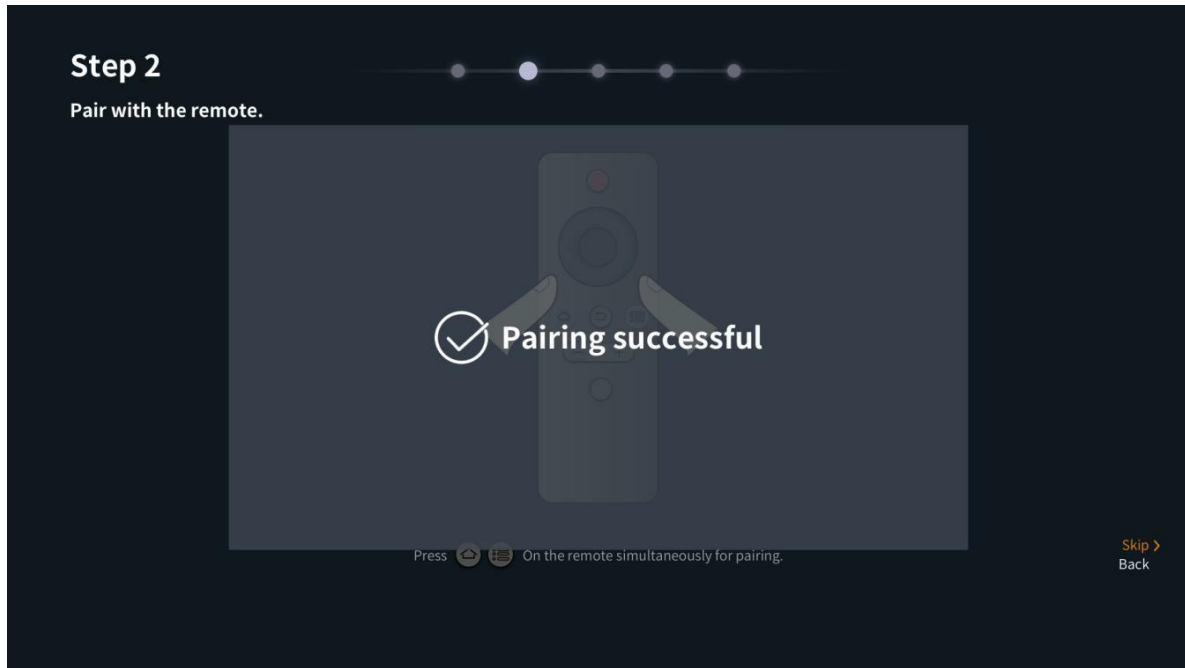
When using the Absenicon3.0 conference screen for the first time, please follow the novice guide to complete the initial settings.

Step 1: Select the language of the Absenicon3.0 conference screen system, Chinese, English and Japanese can be selected;

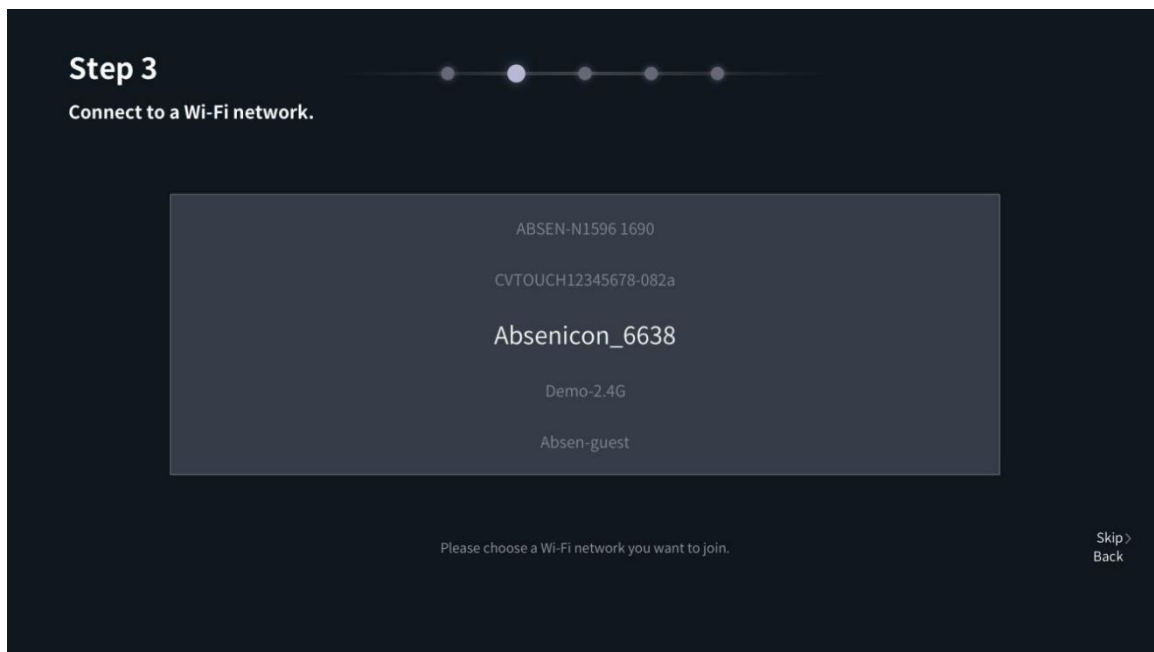


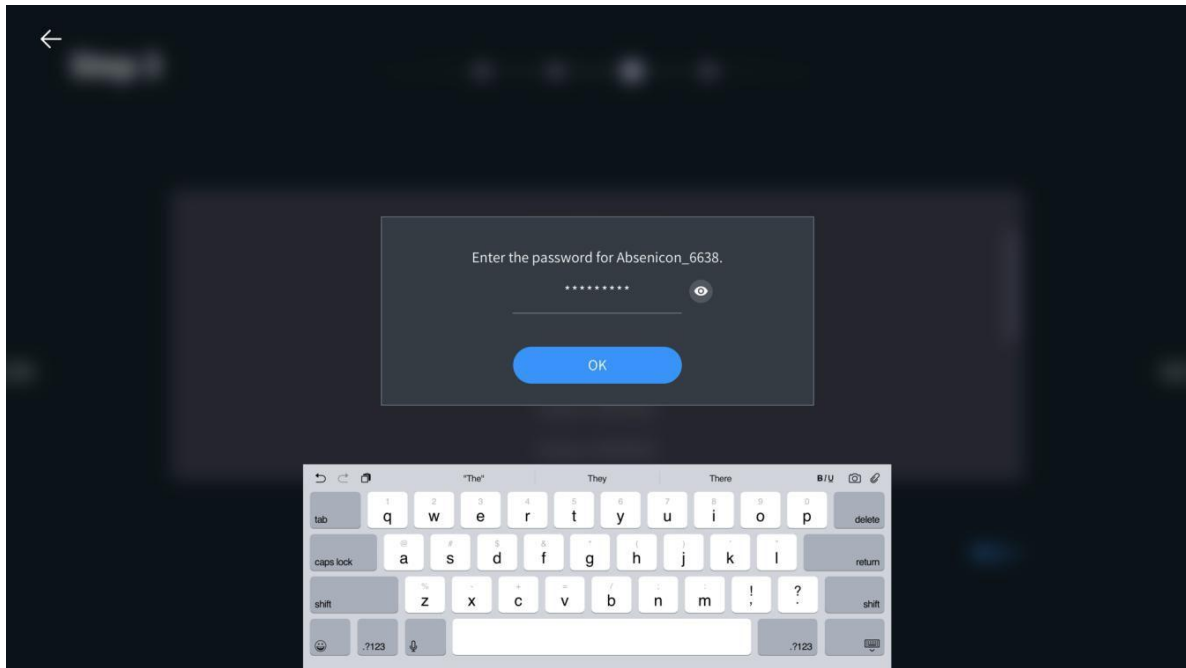
Step 2: Match the remote control with Bluetooth, press "Menu button" and "Home button" on the remote control at the same time to match;



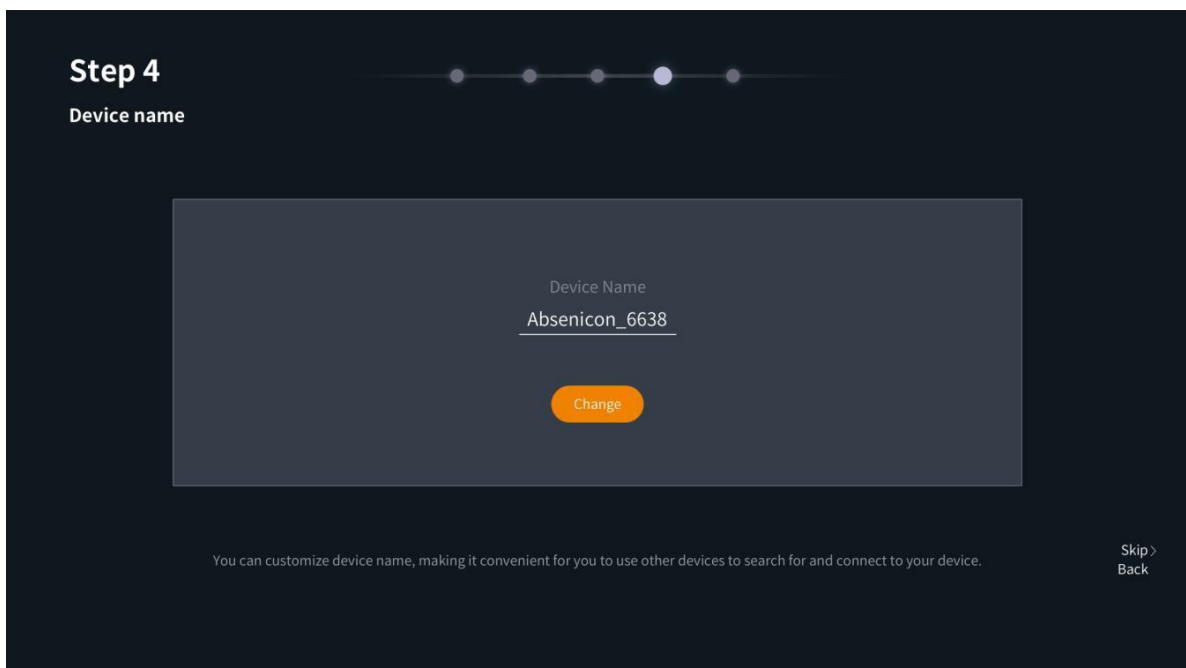


Step 3: Select the Wi-Fi to be connected, and input the corresponding password;

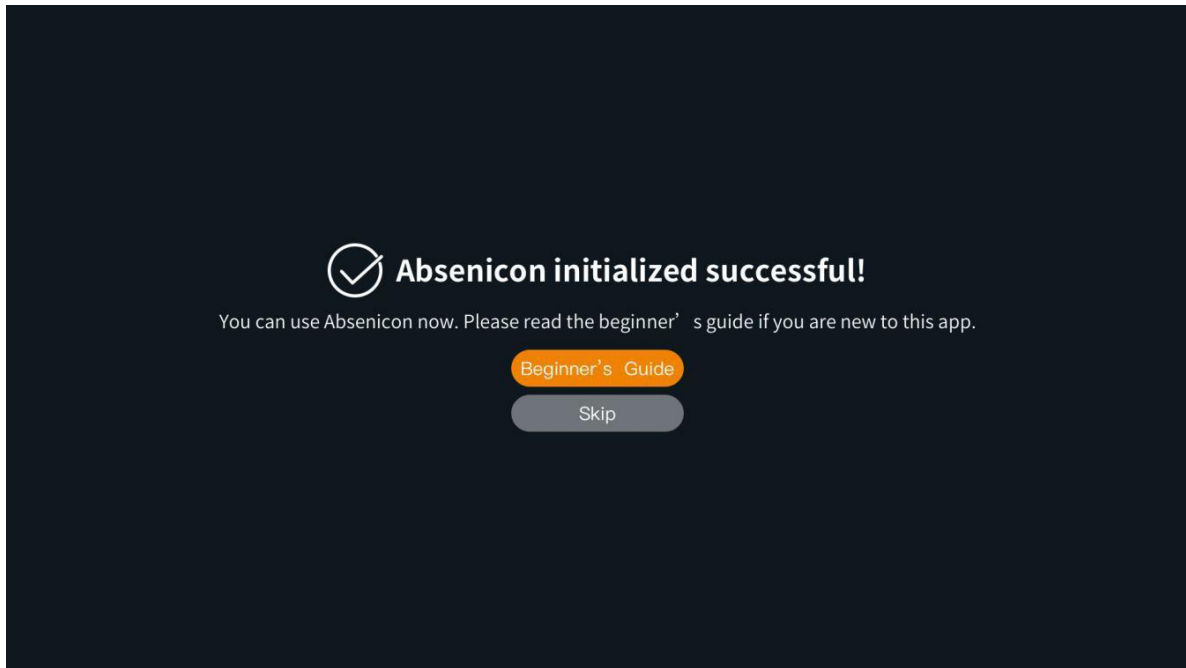




Step 4: Customize the device name to be conveniently searched by other devices;



Step 5: The wireless display adapter is matched. Insert the wireless display adapter into the USB port on the screen to automatically match;



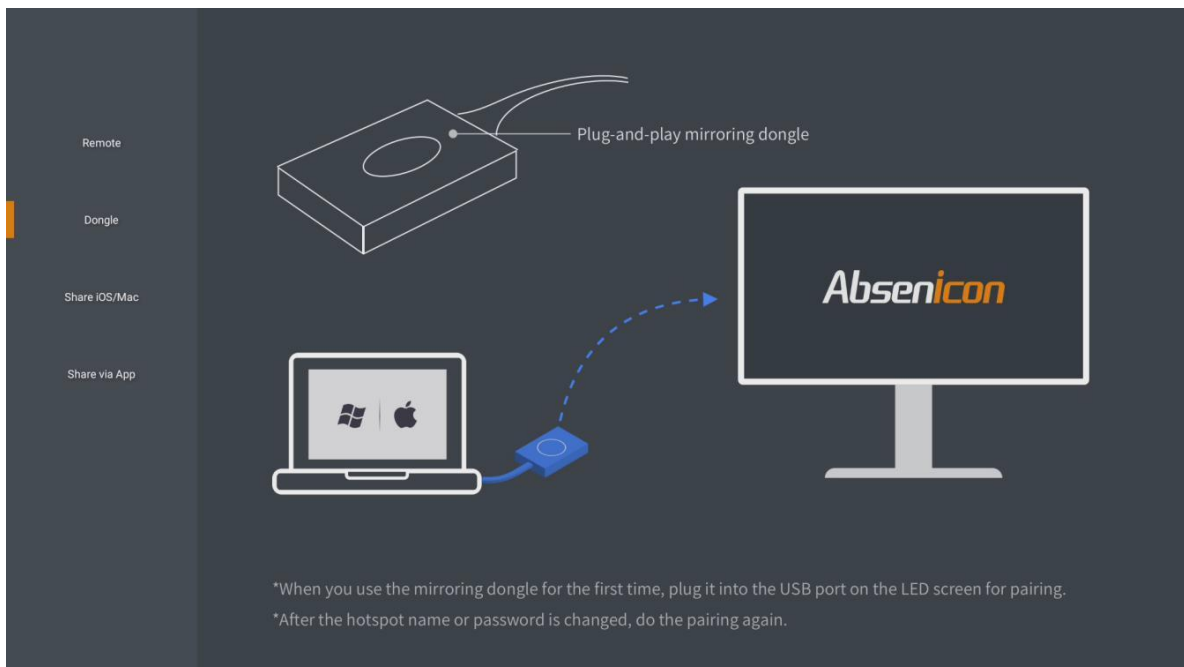
After the initial settings are completed, you can view the novice guide or directly start using the Absenicon conference screen system.

6. Novice Guide

6.1 Remote control guide



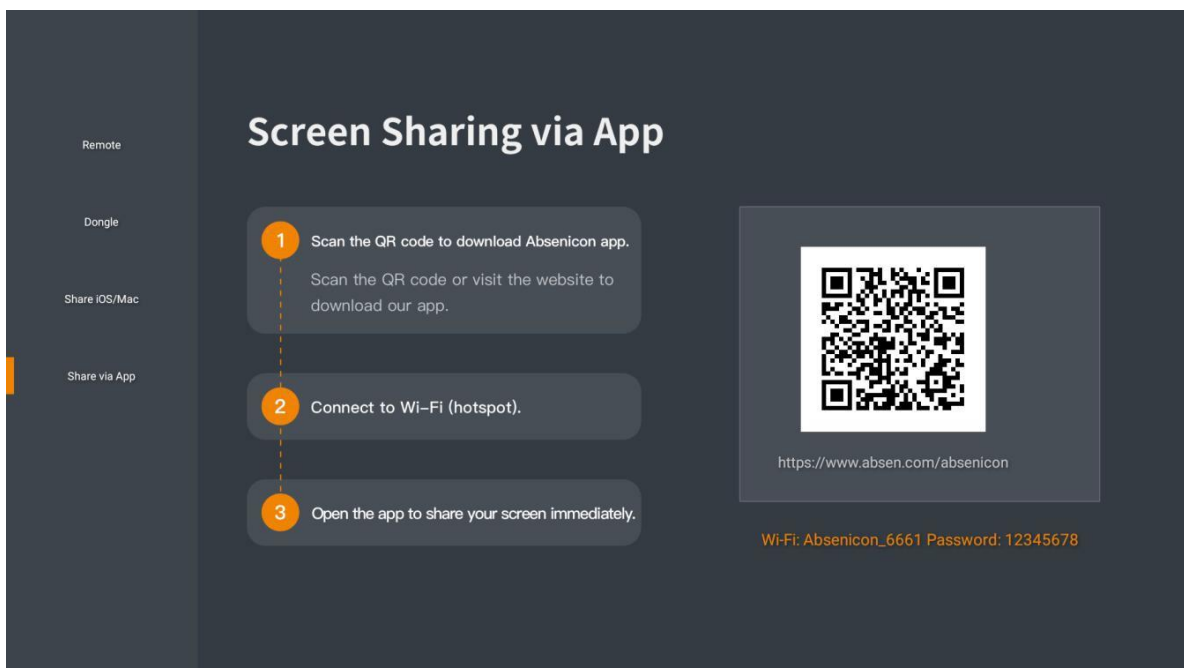
6.2 Wireless display adapter guide



6.3 IOS/MAC display guide



6.4 Software display guide



7. Display Guide

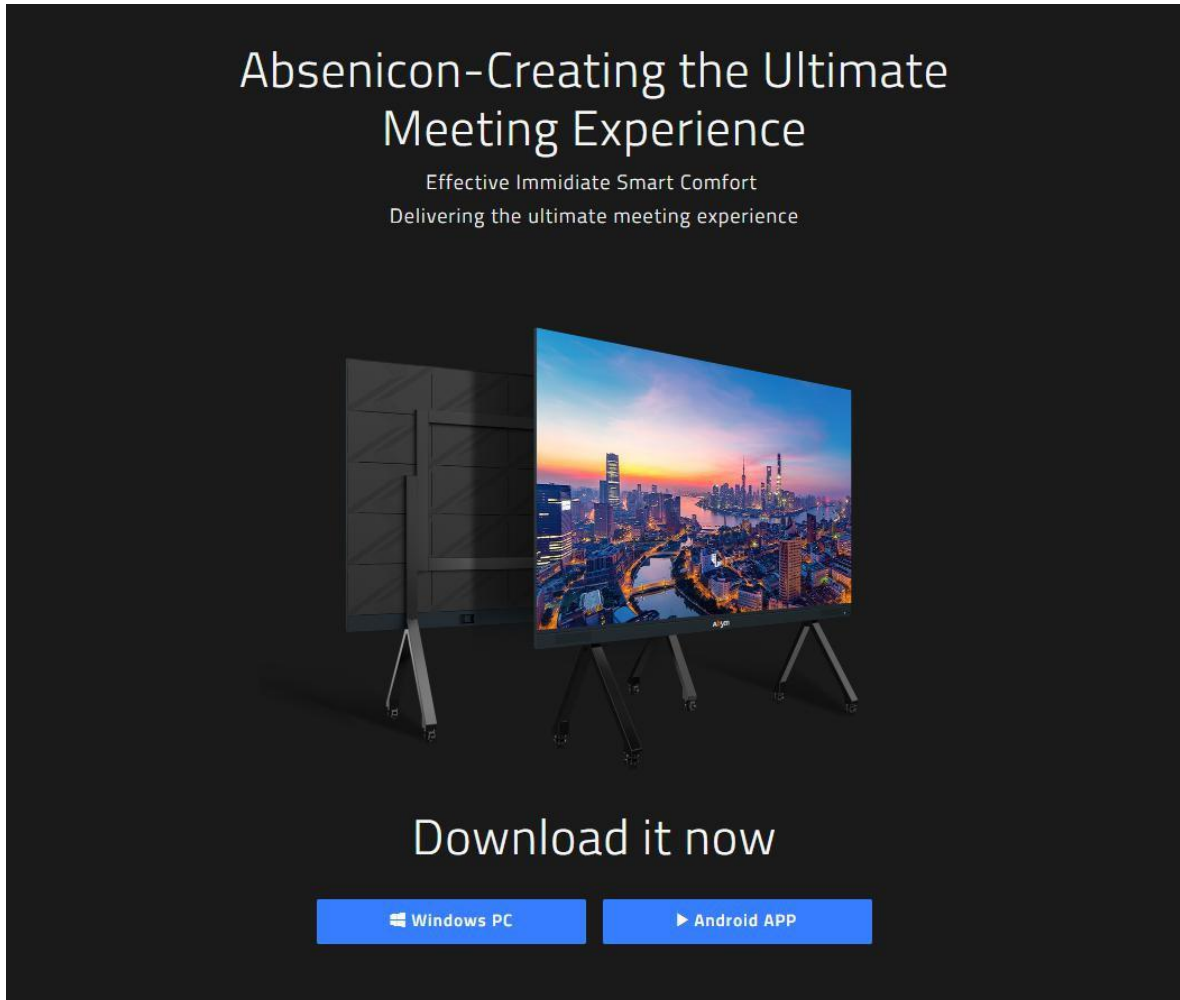
7.1 Wireless display

7.1.1 Wireless display by adapter

Foreign customers recommend purchasing Barco's "Click Share" as wireless display adapter. For specific steps, please refer to Barco's equipment operating instructions.

7.1.2 PC display

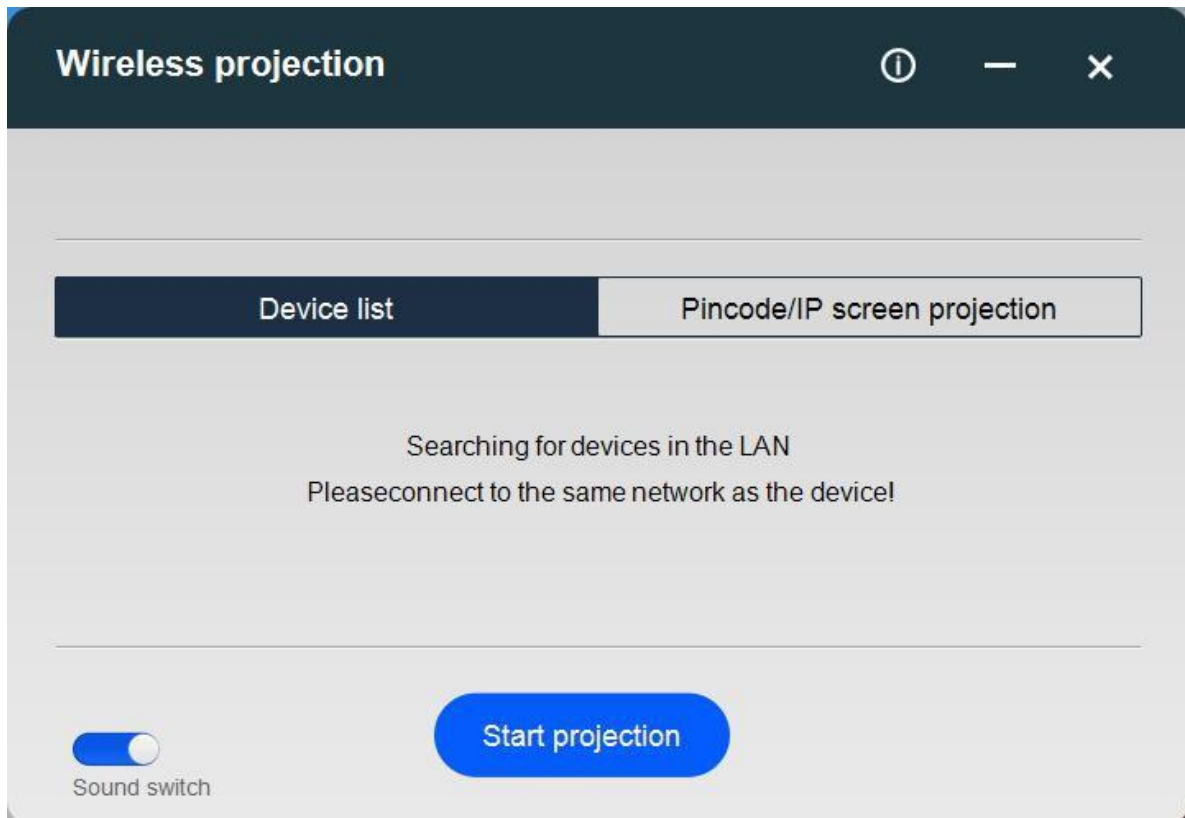
Use the PC open the browser, enter "https://www.absen.com/absenicon/", and download the corresponding client according to different operating platforms.



7.1.2.1 Windows system display

Connect to the Absenicon conference screen hotspot on the PC (the default name is: Absenicon_XXXX, and the default password is: 12345678);

Run the downloaded client to detect the name of the connected device, click "Start projection";



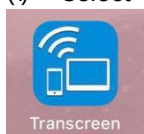
7.1.2.2 MAC OS system display

- (1) Use screen mirroring directly.
- (2) Connect to the Absenicon conference screen hotspot on the PC (the default name is: Absenicon_XXXX, and the default password is: 12345678);
- (3) Click the "Screen mirroring" icon in the upper right corner and select the corresponding device name to complete the screen display;

7.1.3 Mobile phone display

7.1.3.1 Android system

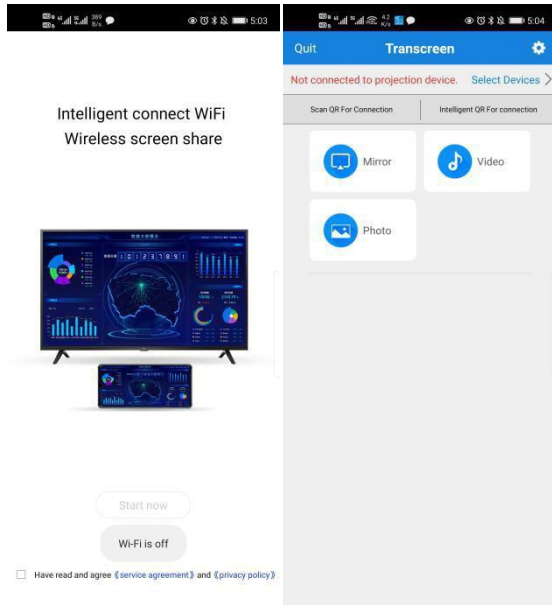
- (1) First use the mobile phone to scan the QR code of "Quick Sharing" in the main interface to download the "Transcreen" APP, and successfully install it on the mobile phone;
- (2) The mobile phone is connected to the hotspot of the Absenicon conference screen (the default name is: Absenicon_XXXX, and the default password is: 12345678);
- (3) Run "Transcreen" and select the corresponding device name;
- (4) Select "Screen mirroring" to complete the mobile phone screen projection.



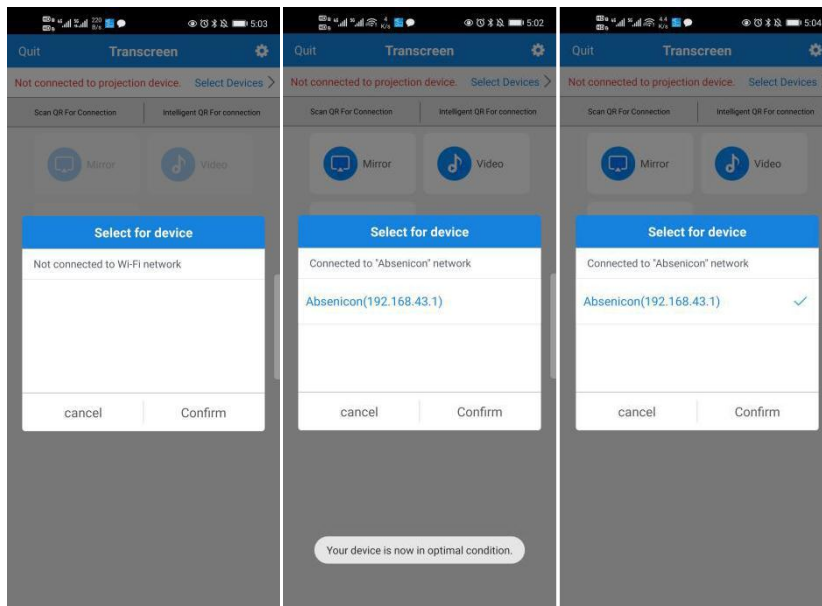
7.1.3.2 Transcreen of android features

1. Steps to connect the conference screen

- (1) Open the Transcreen software, the first page of the screen is as follows, indicating that it is not connected to an authorized device;

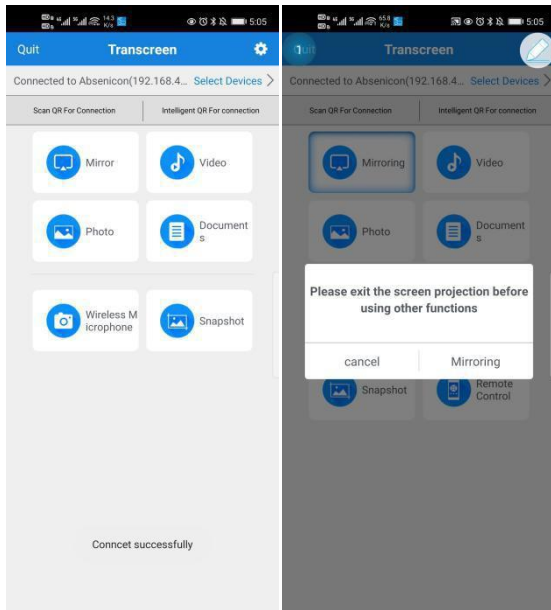


- (2) Open the phone "Settings" to connect to the conference screen wifi, enter Transcreen and click "Connect Device" to select the conference screen to be connected;



2. Screen Mirroring

Click "Screen Mirroring", the following prompt appears, click "Start now" to upload the displayed signal on the phone to the conference screen;



1. Photos Display / Audio and Video Display/Files Display

Click "Photos Display" to upload the stored photos in the phone to the conference screen;
 Click "Video Display" to upload the stored video and audio in the phone to the conference screen;
 Click "Submit File" to upload the stored files in the phone to the conference screen;

2. Mirror Control

Speakers can move freely in the lecture hall, and use Android phones or PAD to reversely control the computer playing PPT;

Click "Mirror control" to realize the function of mirror control;

3. Wireless Speaking

Support wireless speaking function, listeners can use the mobile phone as a microphone to speak directly, and the audio will be wirelessly transmitted to the built-in speaker of the conference screen.

(1) On the conference system interface, click "Display the main control ball" to enter the wireless central control interface, and turn on the "wireless speaking" permission;

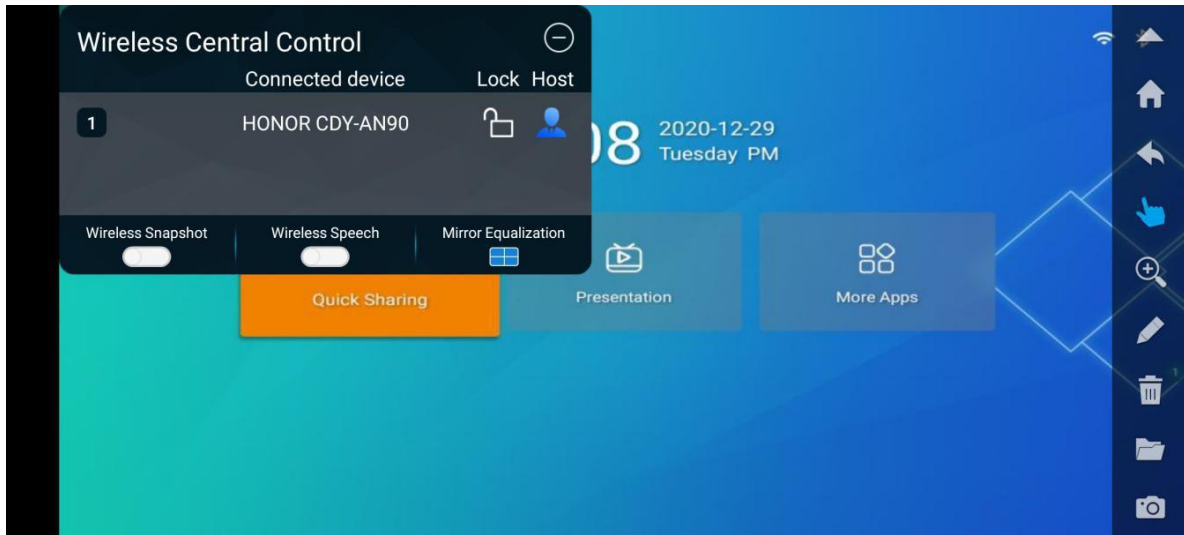
(2) Long press the "wireless speaking" button to speak directly;



4. Wireless Screenshot

Support wireless screenshot function, listeners can take a complete screenshot of the content of the speaker through the mobile phone, and transfer it back to their mobile phone and store it in a designated location.

- (1) On the conference system interface, click "Display Master Control Ball" to enter the wireless Screenshot control interface and enable the "Wireless Screenshot" permission;
- (2) Long press the "Wireless Screenshot" button to take a screenshot of the conference screen;



5. Remote control

Support remote control function, you can control the conference screen through the mobile phone for menu selection and page turning, etc.;

