Intelligent Interactive Flat Panel

User Manual

TV-X8175

Please read this user manual carefully before using the system

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1.Product Description

1.1.Product Overview

itc HUB interactive intelligent flat panel focuses on small and medium-sized conference rooms to create a small conference center. The product integrates high-definition display, digital whiteboard , high-quality audio and other functions; equipped with Windows 10 IoT system, it meets the needs of conference presentation, writing, interaction, collaboration, sharing, video, data security, etc., covering the entire process of the meeting.

1.2.Features

1． 75-inch DLED LCD screen with 4K ultra-high-definition display and narrow bezel design, enabling USB multimedia file playback function.

2． Equipped with 2.0-channel professional audio, it has 5 scene sound effect options: standard, conference, vocal, music, and cinema.

3． High-precision touch, supporting 1.6mm fine recognition.

4． Supports Type-C full-function interface, which can realize screen projection, reverse control, audio and video signal transmission functions.

5． Supports USB follow, and can realize the BYOM function of HDMI IN+TOUCH cable solution.

6． HDMI supports 4K 60Hz loop-through output; DP supports 4K 60Hz input.

7．The entire screen and the screen protection layer use zero-lamination technology to effectively prevent light reflection.

8．It supports anti-glare and uses AG tempered glass to reduce ambient light interference, reduce screen reflections, and reduce glare damage to the eyes.

9．Supports hardware-level blue light protection, filters out harmful high-energy short-wave blue light, and does not cause fatigue when watching for a long time.

10．Supports 85% high color gamut, making images clearer, colors more vivid, and colors more saturated.

11．The top of the machine features a 12pogopin magnetic connector design, supporting use with a magnetic camera. No separate wiring is needed; simply plug and play.

12．It supports multiple wake-up methods. In the screen-off state, the magnetic camera can be used to wake up by voice, keep looking, double-click the touch screen, or press the button to wake up the device and turn on the screen. The gaze wake-up method can customize the gaze time.

13．Supports pen-lift wake-up function, and supports pen-lifting quick use of whiteboard and annotation functions.

14．It has voice assistant assistance function and supports voice assistant operations through the camera, such as: starting a meeting, ending a meeting, turning off the screen, shutting down the phone, etc.

15．It supports conference reservation function, and the homepage supports real-time display of the day's meeting list; the meeting list can view information such as the host and meeting time.

16．Supports preparation of welcome interface before the meeting, can add background audio, video, pictures, and customize the welcome interface theme.

17．Supports quick meetings to meet the needs of temporary meetings, multi-person discussions, brainstorming and other activities.

18．Supports the installation of third-party video conferencing software to realize remote video conferencing, and can be used with cameras to realize intelligent framing and speaker tracking functions.

19．It supports quick voting and customized voting/scoring, and has voting and satisfaction evaluation templates; the voting methods are divided into QR code scanning voting and raising hands voting, and QR code scanning voting can choose anonymous voting and real-name voting, and voting/scoring can have customized options.

20．Supports scanning code to sign in, you can sign and view it immediately during the meeting, and the name of the sign-in person will be displayed in real time after scanning the code to sign in.

21．Supports conference screen recording with options for selecting 2K or 4K resolution. It offers

multiple ways to save recordings, including downloading via QR code, saving locally, storing on a conference server, or to a USB flash drive.

22. It supports a variety of screen projection methods, including NFC touch transmission, wireless projection, wired projection, and one-click projection from a screen projector. It also allows for mixed screen projection from mobile phones and computers, and can display up to four screens simultaneously. Additionally, it supports reverse operations on the projected content.

23. Supports Type-C 4K 5G screen projector, using dedicated hotspot to project the screen, making conference transmission smoother.

24. Supports 4 projection screens to be displayed on the same screen, meeting the needs of four screens being displayed on the screen at the same time.

25. Supports application screen projection, for example, specifying browser screen projection, specifying document screen projection; other application messages will not pop up, and other tasks can be processed during the screen projection process to protect privacy.

26. It supports mixed split-screen, and can display whiteboard, dynamic video, audio, documents, annotations and other pages at the same time during the meeting. Any split-screen can be displayed in full screen or different solutions can be compared.

27. It supports document presentation function. During the document presentation process, you can make annotations, play videos, and have unlimited image overlays to meet the needs of presenting documents with more content.

28. It supports uploading multiple file formats by scanning QR codes during the meeting, including MP4, MP3, PDF, WORD, XLSX, text, JPG, PNG, etc., which can be directly viewed and annotated.

29. Supports whiteboard writing; allows insertion of images and videos into the whiteboard; supports multi-point writing; offers various erasing methods including gesture-based erasing, screen clearing by sliding, circle eraser, and pixel eraser. It features an infinite canvas and two-finger zoom functionality. It supports multiple file formats for saving whiteboard content, including PNG, PDF, WORD, and PPT.

30. The whiteboard supports OCR intelligent text recognition and graphic recognition functions, which can automatically convert written fonts and patterns into standard text and graphics.

31. It supports full-channel annotation function, and a variety of annotation saving methods can be chose. You can scan the code to take it away or save it locally, in the meeting, or on a USB flash drive.

32. Supports PPT presentation countdown mode. Once turned on, it will count down according to the set time.

33. It supports abnormal power-off protection function. After an abnormal power off, the internal

reserve battery can be quickly activated to save meeting materials and meeting progress in time. It can continue to be used after power is restored to ensure the continuity of the meeting.

34. It supports centralized control function and can be connected to the central control to manage the air conditioners, curtains, microphones and other equipment in the conference room with one click.

35. Supports switching the Window desktop and can switch to the Window interface to meet the user's needs to install other Windows applications.

36. It has a conference management platform that supports web-based login to the management platform; it has multiple roles including ordinary users and administrators.

37. It supports the background data dashboard function, which can view the unit's meeting rooms, equipment, user account resources and meeting room usage. It can also provide real-time statistics on daily meeting participants, daily meeting duration, daily number of meetings, daily number of active users, etc., to facilitate statistics and unified management.

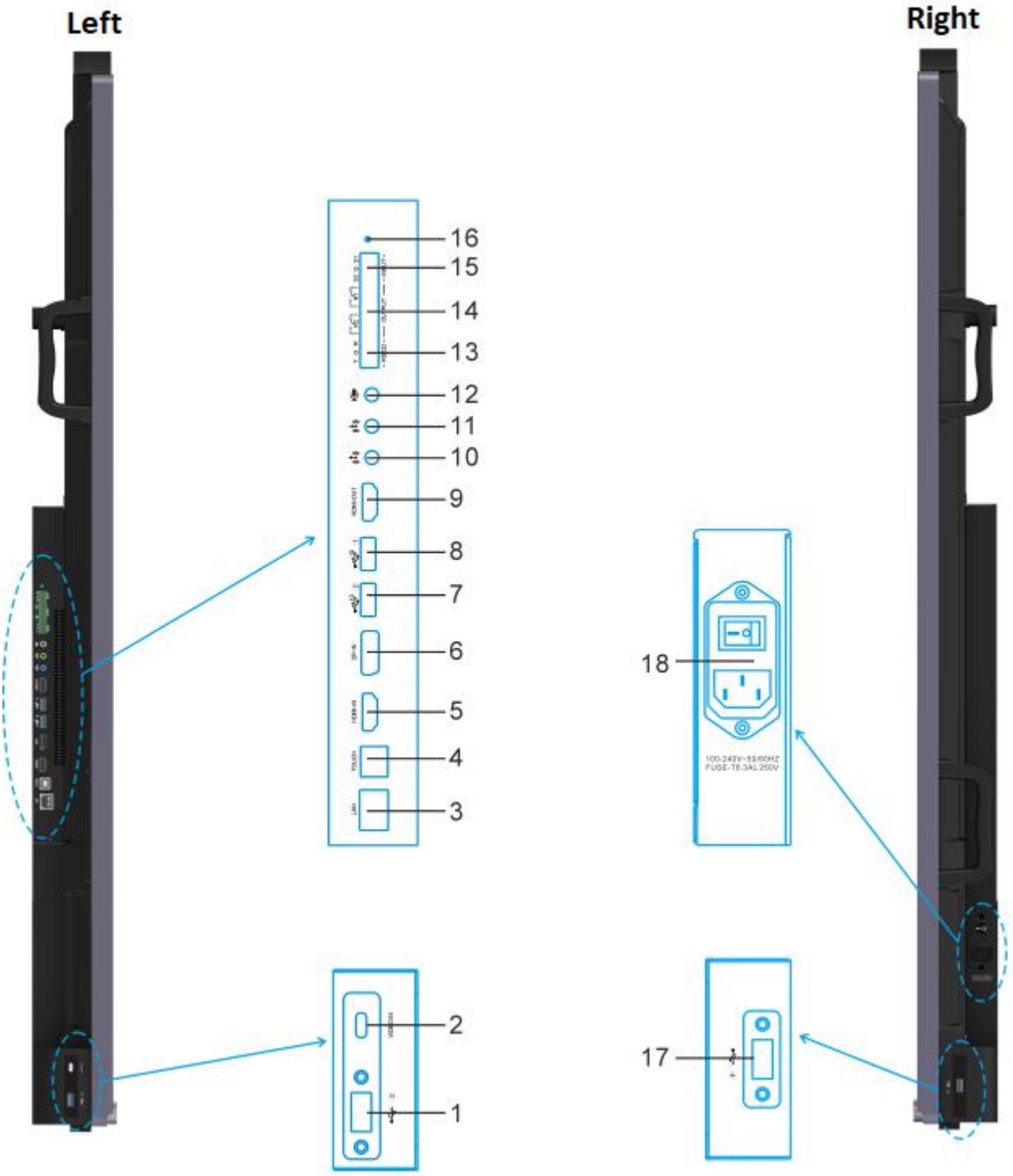
38. It supports background meeting management functions, and can conduct online management and control of meeting lists, unit meetings, historical meetings, and meeting recordings.

39. It supports background meeting settings, allowing you to configure file encryption and control whether data can be downloaded on the meeting management platform. You can also set the storage duration for historical meetings, with options for 6 months, 12 months, or permanent storage.

40. Supports backend unit management, and can manage organizational information and unit information.

41. Supports background conference room management, can view equipment usage status, and manage conference room equipment in a unified manner.

1.3.Function introduction



1. : USB-A interface, can be connected to storage devices to play multimedia files;
2. VIDEO IN: Video input interface, can be connected to video signal source;
3. LAN: Network interface, connected to RJ45 port;
4. TOUCH: Touch signal output interface;

5. HDMI-IN: High-definition multimedia interface signal input, connected to a computer, set-top box or other video device with HDMI output;

6. DP-IN: DP interface, high-definition digital display signal input;

7. ： USB-A interface, connect USB devices, such as mobile hard disk, U disk, USB keyboard and mouse, etc.;

8. ：USB-A interface;

9. HDMI-OUT: High Definition Multimedia Interface signal output, connected to electronic video equipment with HDMI input;

10. LINE-OUT：Audio output interface;

11. LINE-IN：Audio input interface;

12. MIC-IN：Microphone interface; connect to sound collection equipment with microphone;

13. RS232: Connect to the central control device with RS232 interface;

14. R1/R2: 2-channel relay interface ;

15. I/O: 2-channel digital I/O interface;

16. Reset button indicator light;

17. ： USB-A interface; can be connected to storage devices to play multimedia files;

18. POWER: AC power input and power switch.

1.4.Specification

Model /Specification	TV-X8175, Specifications TV-X75A
Processor	Intel i3 11th generation processor, Maximum turbo frequency 4.10GHz
System version	Windows 10 IoT Enterprise Entry
Memory	8GB
Storage space	128GB
Display type	DLED LCD display
Display size	75 inches (16:9)
Screen display size	1649.6V×927.9H
Physical resolution	3840(H)×2160(V)

Color gamut NTSC	85%
Color	1.07B(10bit)
Screen brightness	350CD/㎡(min.)　400CD/㎡(typ.)
Contrast	1200:1(typ.) 5000:1(max)
Anti-blue light	Support
Anti-glare	Support
Frame rate	60Hz
Input interface	1×LAN；1×TOUCH；1×HDMI-IN；1×DP-IN；1×VIDEO-IN(USB-C + Reverse control)；1×LINE-IN；1×MIC-IN；4×USB-A(gen3 10G Rate)；1×RS232；2×IO；2×RELAY
Output interface	1×HDMI-OUT；1×LINE-OUT
Touch Sensing Technology	Infrared sensing touch recognition technology
Maximum number of input points	40 points
Response time	8ms(typ.)
Writing method	Finger, stylus, or other opaque objects
Writing height	2.0mm
Touch accuracy	The middle 90% touch area is ±1mm
Two-point recognition distance	＞20mm
Theoretical clicks	Unlimited
Touch diameter	Single point ≥1.6mm, multiple points ≥2mm
Glass specifications	3.2mm tempered glass
Writing screen surface hardness	9H
Interpolation resolution	32768×32768
Operating voltage	DC 5V±5%
Touch screen power	≤2.5W
WiFi	WiFi62.4GHz/5GHz
Bluetooth	Bluetooth 5.2
Power supply	90-264V~50/60Hz input

Standard power consumption	≤460W
Standby power consumption	＜0.5W
Audio channels	2.0 Channels
Maximum sound power	2×20W@6Ω
Storage temperature	-10℃~+60℃
Storage humidity	10%~80%RH, non-condensing
Operating temperature	0℃~+40℃
Operating humidity	20%~80%RH, non-condensing
Operating altitude	≤5000m
Bare machine dimensions (length x thickness x height)	1717.3mm×88.7mm×1011.4mm
Packing size (length x thickness x height)	1900mm×225mm×1125mm
Display size	1649.6mm×927.9mm
Thickness	88.7mm
Net weight	58.32Kg
Gross weight	69.19Kg
Housing color	Dark Gray
Housing material	Aluminum profile/sheet metal
Wall mounting holes (VESA) 4-M8 Screw Holes	800mmx400mm

2.Bracket installation (Optional)

2.1.Completion effect picture

The completed installation of the bracket is as follows:

2.2.Installation

The bracket has a total of six accessories: two side foot supports, one fixed tray, two wall hangings for adjusting height, two interactive flat panel wall hangings.

1. Two supports are respectively connected to the screw holes of the trays on both sides for fixing.

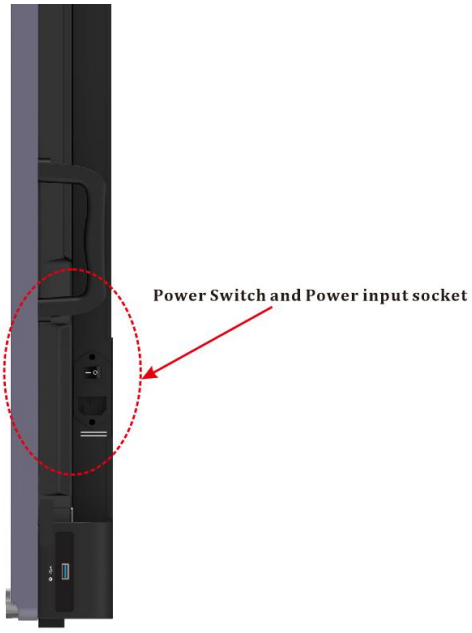
2. Two wall hangings for adjusting height are fixed to the bracket.

3. Two interactive flat panel wall hangings are fixed to the back of the interactive flat panel. Hang it directly on the bracket to complete the installation.The diagram of the completed installation is as follows:

3.Power on

⚠**Note:** For your safety and the conference panel, please do not connect any power plugs before the external equipment is installed.

Use the pins plug of the power adapter to connect to a power socket, and the other end to connect to the power outlet on the left side of the back of the interactive flat panel.



4.Start up

After the power is turned on, there is a power switch on the left side edge of the back. When the switch is enabled, the screen of the interactive flat panel lights up automatically, and the button light is displayed in green.

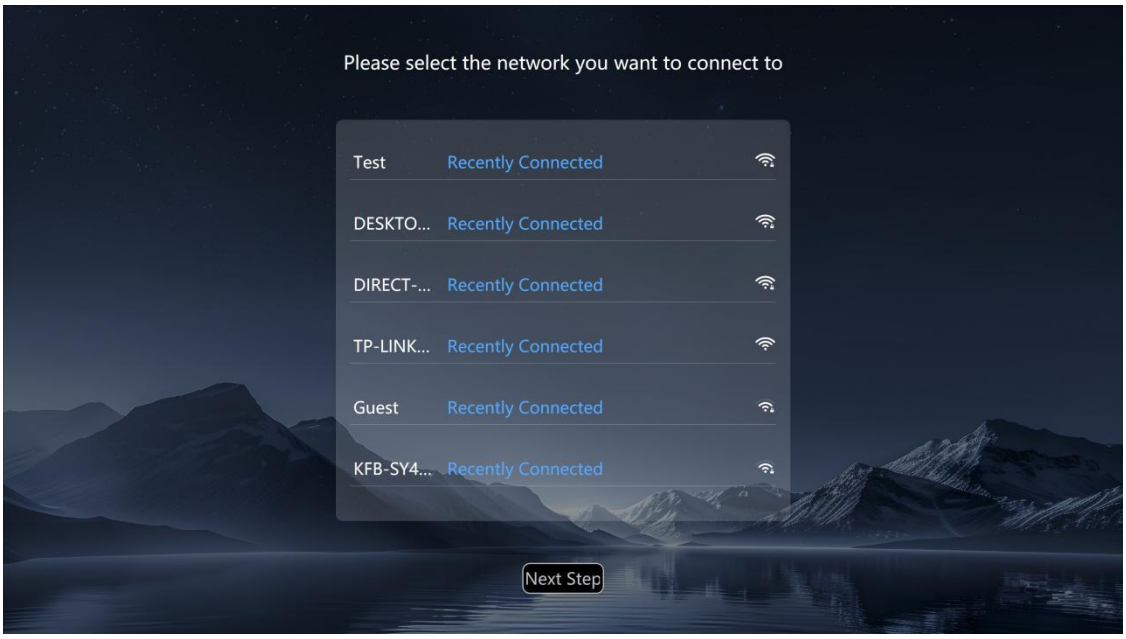
4.1.Start-up screen

Wait a few seconds, then this screen will be displayed. Click the button at the bottom right of the interactive tablet to enter the homepage, which is displayed in green.

4.2. Configuration guide

4.2.1.Basic network connection

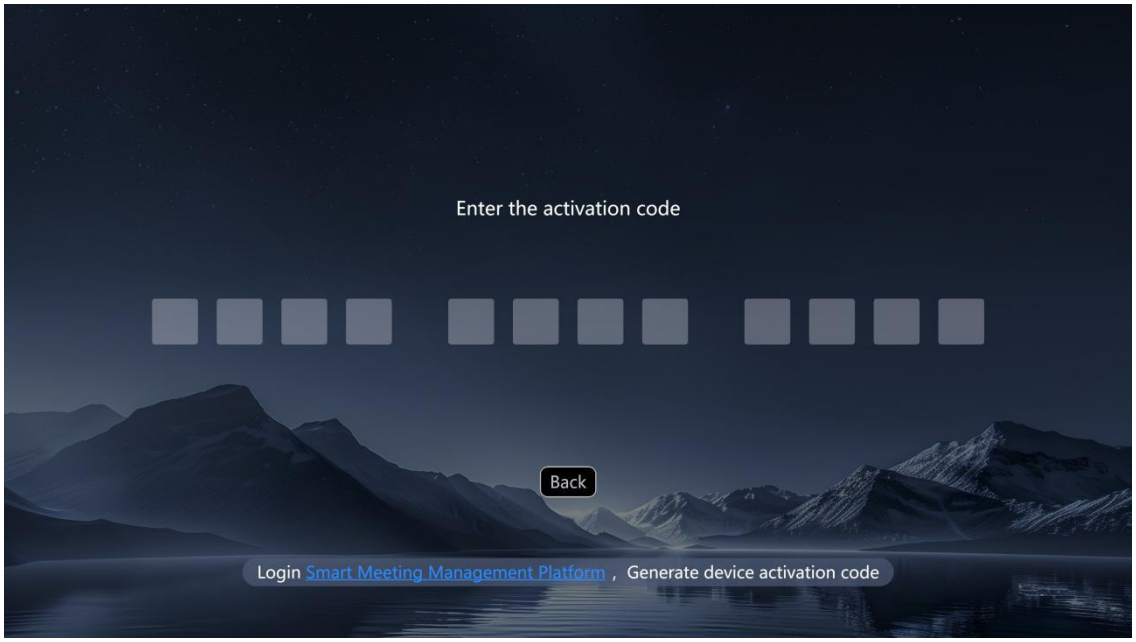
There are two ways to connect to the network: one is wireless WIFI and the other is wired network. If you connect to the wired network directly, you can skip this configuration network page to enter the activation page; if there is no network, you need to connect to the wireless network manually to proceed to the next step. The top right corner will show the connection status of the network. After connecting to the network, click Next to enter the activation page.



4.2.2.Device activation

After successfully connecting to the network, click Next to enter the device activation page. Enter the 12-digit activation code to activate the device to enter the home page. Click Previous to view or modify the network configuration.

Note: For details about how to obtain the activation code, read the backend operation manual.



5.Home page

Configure the network to activate the device to enter the home page or after activation, it goes to the home page automatically after the interactive flat panel boots up.

5.1. Home page interface introduction (No meeting)

➢There are two functions displayed in the centre of the home page [Quick Meeting], [Screen

Projection].

➢ Directly below are two guide points, the highlighted white one is the page where it is located. Swipe right to enter the welcome page. If there is no scheduled meeting on the home page, it displays a message that there is no scheduled meeting; and if there is a scheduled meeting, it displays a list of meetings.

➢The left and right sides are centred on the floating menu bar, which cannot be moved.

➢The upper left corner shows the location of the meeting room where the interactive flat panel is located (this location is set through the background management).

5.2. Home page interface introduction (With meeting)

The list of scheduled meetings only shows the meetings scheduled on the day, not the meetings scheduled on the previous day or the day after. If you have scheduled a meeting on the day in the backend, the home page displays the booking list page. The meeting list is arranged in ascending order of time, the meeting that has not started is displayed at the top, and the meeting that has ended is displayed at the back, and you can enter the meeting by clicking the meeting that is to be started.

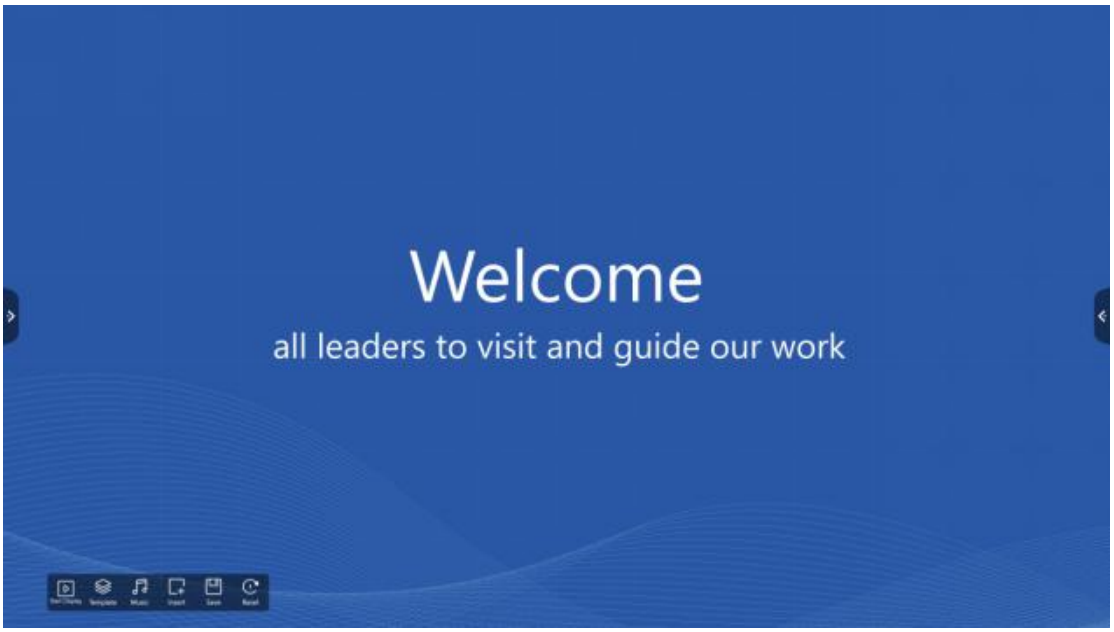
(Note: Quick Meeting can also enter the meeting, and the scheduled meeting is two different meeting modes).

5.3. Floating menu bar on the homepage

The floating menu bar has [File], [Annotate], [Signal Source], [Keyboard] and guidance points for three functions. The signal source is the external switchable device signal; the guide points are the [Setting], [Shut off] and [Help] functions of the device.

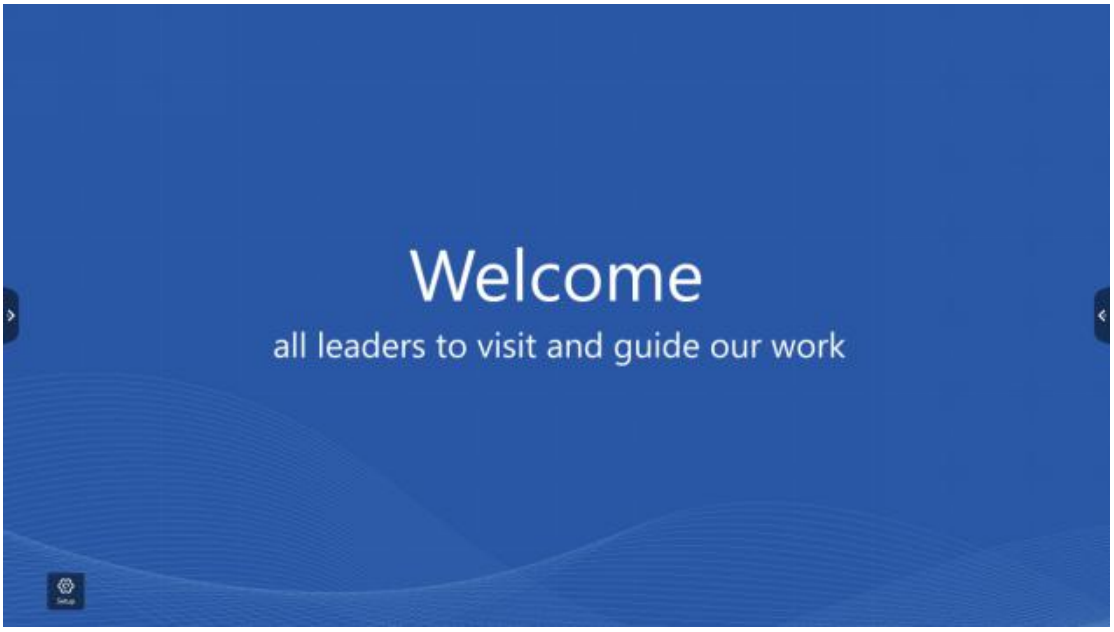
6.Welcome page

Home page to the right slide to enter the welcome page, to enter this page without time, without any button. It only displays the welcome page that has been set up. Click the welcome page, and then click the setup button that appears at the bottom left corner to enter the editing status.



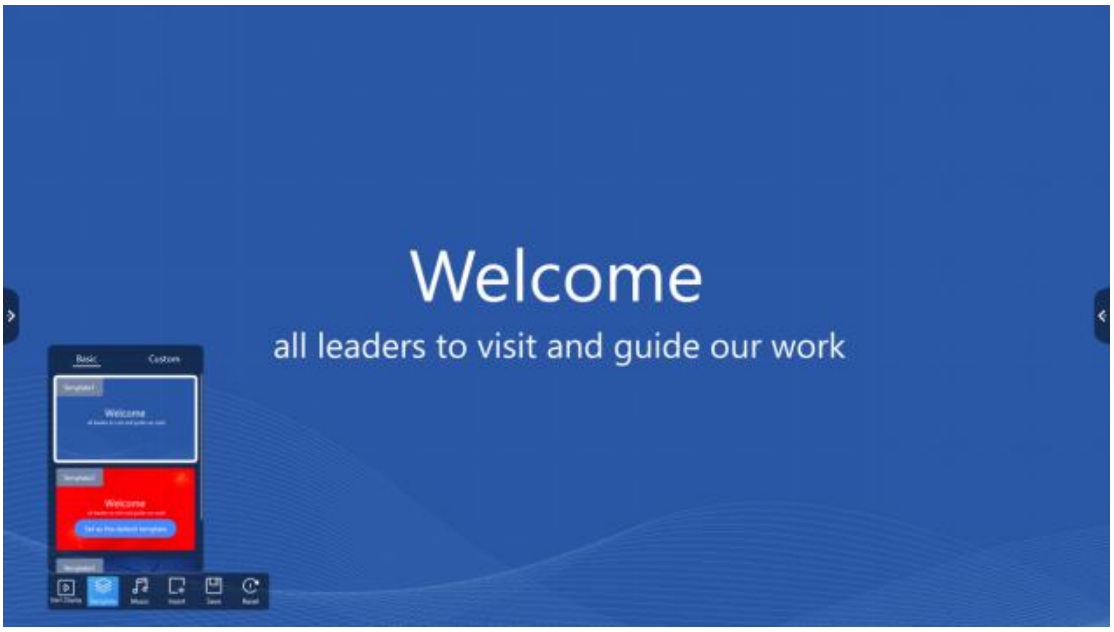
6.1. Start Displaying

After clicking Start Displaying, the interface is in a non-editable state, and all the buttons are put away as settings, and after 5 seconds of no operation, the settings will be hidden automatically, and it will be in the state of displaying.



6.2. Template

Templates are divided into system templates and custom templates. Templates are used to save and reuse after editing. System templates for the system fixed template for selection, can not be deleted, can be modified; custom templates for custom editing, editing the template saved for next time, can also be set as the default template, the next time you enter the interface to display this template, custom templates save the upper limit of 50.



6.3. Music

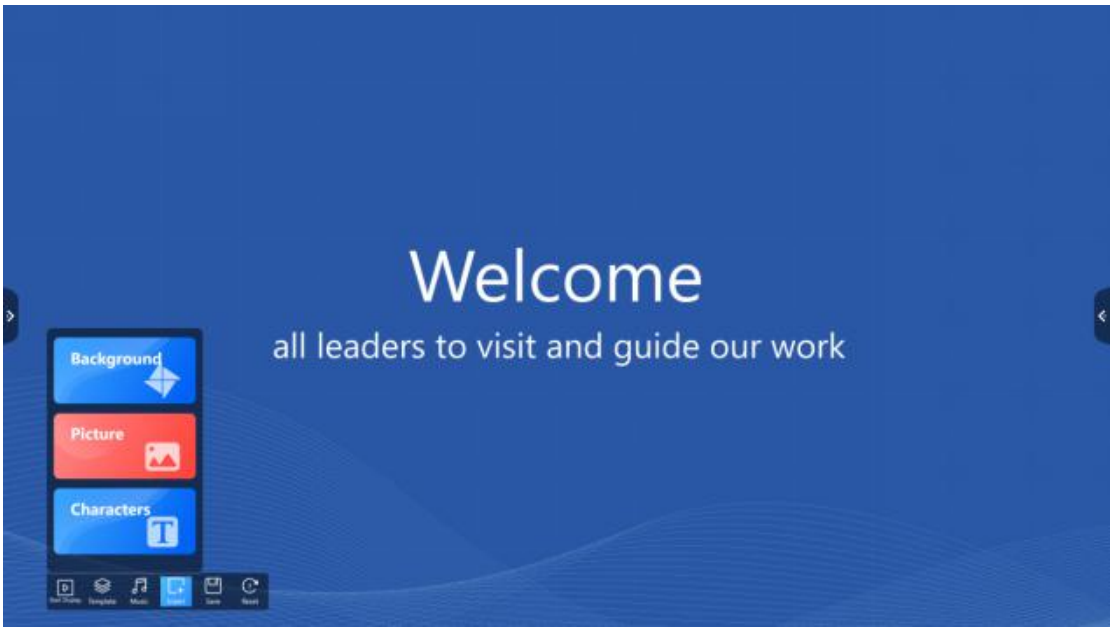
Music is background music, you can add music by yourself after clicking music (can be uploaded by file transfer, U-disk, local file), playing music is infinite loop, when you slide from the welcome page to the home page, the music will pause, slide back, the music will continue.

6.4. Insert

Click Insert to customize the background, add pictures, videos and text to the welcome page for display.

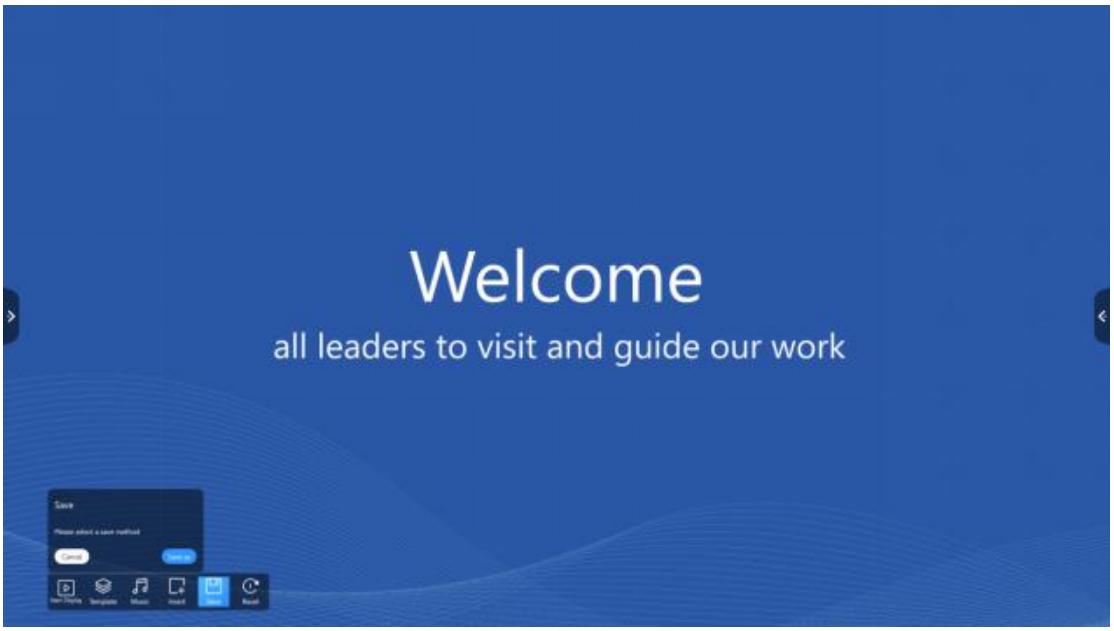
Picture and video: you can zoom in and out, move around, and add more than one.

Text: click to add text, it will input and adjust the position, size, colour and thickness of the font on the interface of the cheer page.



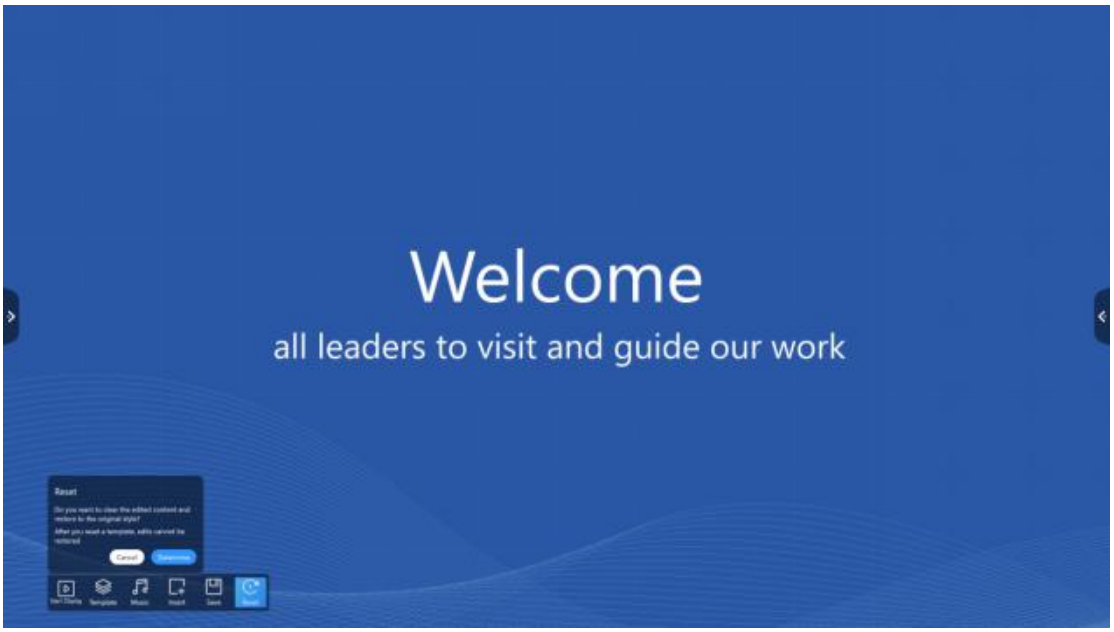
6.5. Save

When custom editing the contents of the welcome page, click Save to save to a custom template, if the same template to save optional override or when Save As Template, Save As Template is a new template.



6.6. Reset

After editing, when you click reset, it will go back to the initial template, after clicking reset, a prompt will appear to confirm whether you want to reset.



7.Meeting page

7.1. Quick Meeting

Click Quick Meeting in the home page to enter the Quick Meeting page.

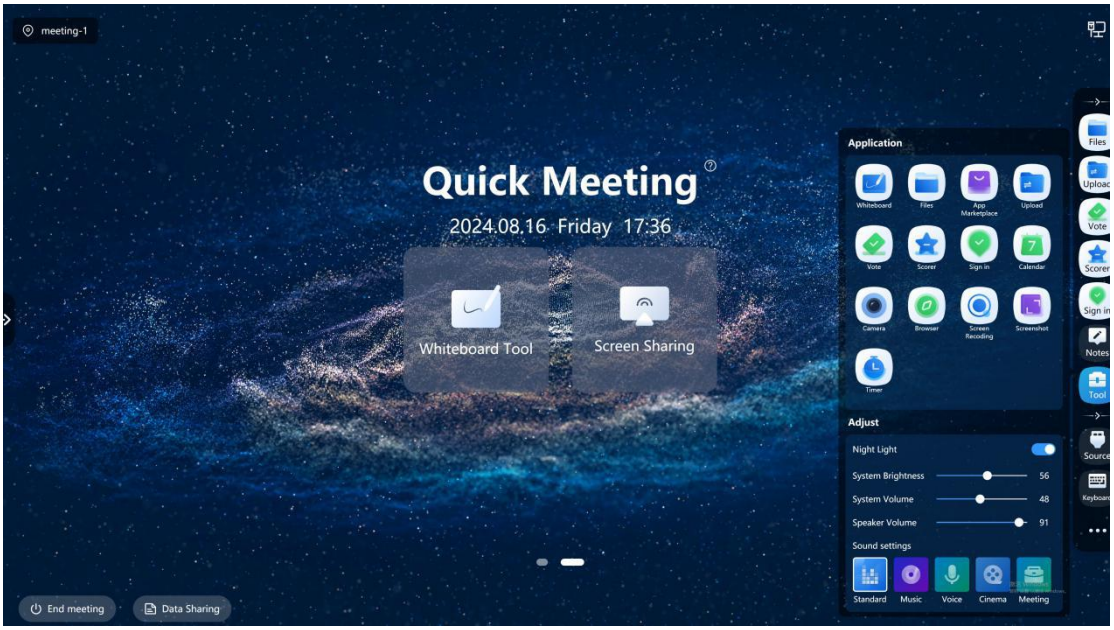
➢ Quick Meeting has two centrally displayed functions [Whiteboard] and [Screen Projection].

➢ The words Quick Meeting are directly above Quick Meeting, with the Quick Meeting description bubble in the upper right corner of the words.

➢ In the upper left corner is End Meeting and Information Sharing.

➢ In the upper right corner is the network status of the connection.

➢ When you enter a meeting, the left and right side floating menu bars show a list of basic features used in the meeting.



7.1.1.Information Sharing

In the process of meeting, there is information generated to save to the meeting, click the bottom left corner of the meeting page information sharing, the QR code appears, the mobile phone scanning code in the mobile phone on their own after clicking the checkbox to download. Click Save to save to local or USB memory stick.

7.1.2.End the meeting

When you directly click End Meeting, if there are tools in the meeting that have not been finished, a pop-up box will be displayed to indicate that there are tasks that have not been finished. If there are no tools left in the meeting, a confirmation box pops up to confirm the end of the meeting.

7.2. Floating menu car on the Meeting page

When you are in a meeting, the floating menu bar will be displayed by default as [File Management], [File Transfer], [Voting], [Rating], [Sign-in], [Annotate], [Tools], [Signal Source], [Keyboard], and Guidance points for three functions.

8.Tools

Unfold Tools, the default display in the application board is commonly used tools in the meeting, adjust the display brightness, volume and sound effect. If you download the apps from the app store, it will be added to the apps of the gadgets by default.

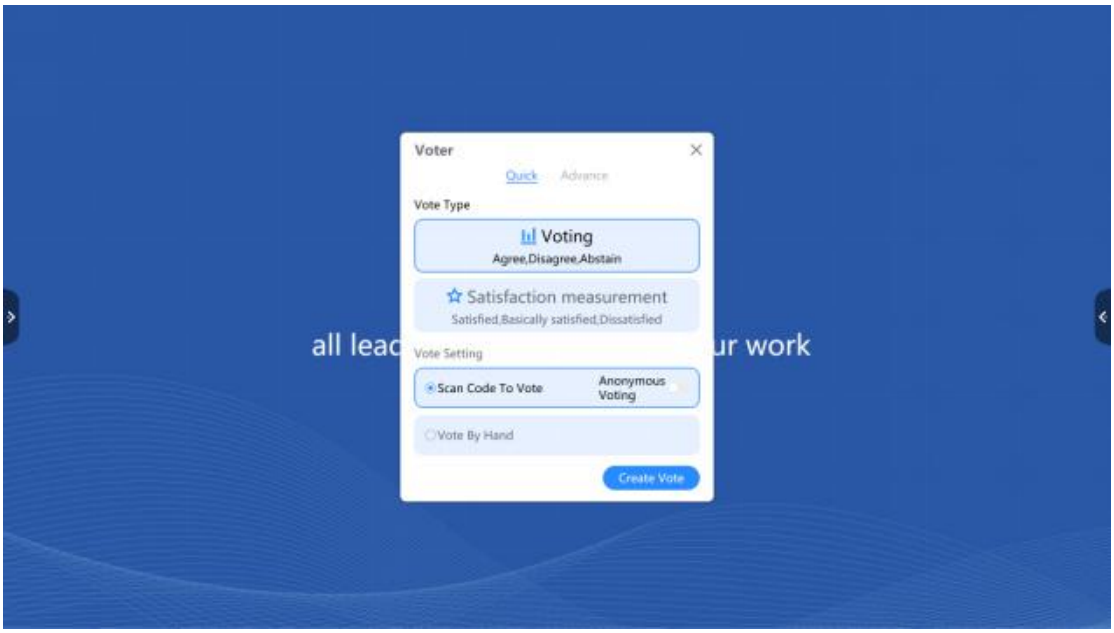
8.1. Voting

The poll window is opened by clicking Poll in the floating menu bar. Polls are divided into quick polls and advanced custom polls.

①Quick Poll: Voting Poll and Satisfaction Poll

➢ Voting Settings: Code Scanning Voting and Hands Up Voting. Click Scan Code Voting and the QR code will appear, use your mobile phone to scan the code to vote.

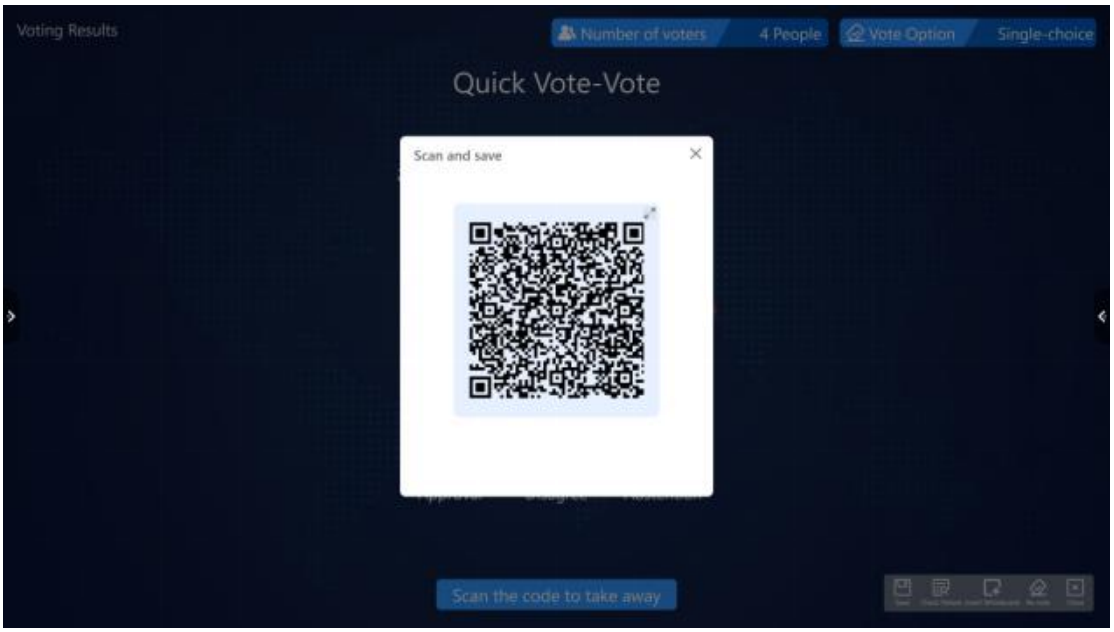
➢Anonymous real name: After selecting anonymous voting, you don't need to enter your name to vote, and real name voting requires you to enter your name to vote.



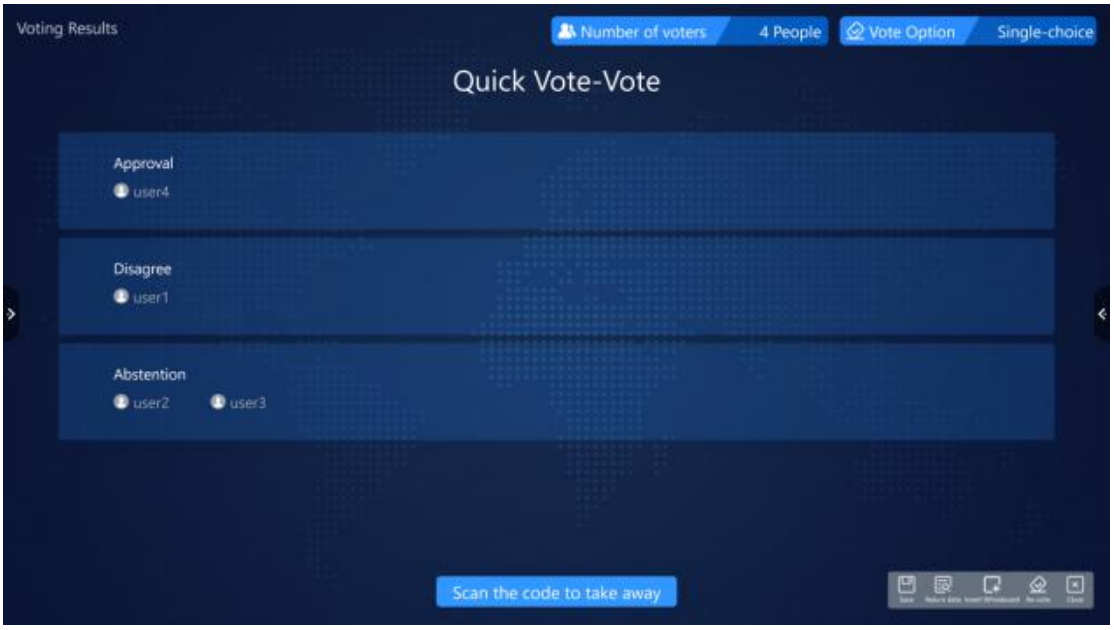
➢Voting Result

Voting results are displayed in the form of a bar chart. The top right corner shows the number of voters and voting options. Right below is Scan the code to take away, one in the form of a picture and one in the form of a table. In the lower right corner are [Save], [Insert Whiteboard], [Re-vote], and [Close]. Non-anonymous scanning voting can also [View Details].

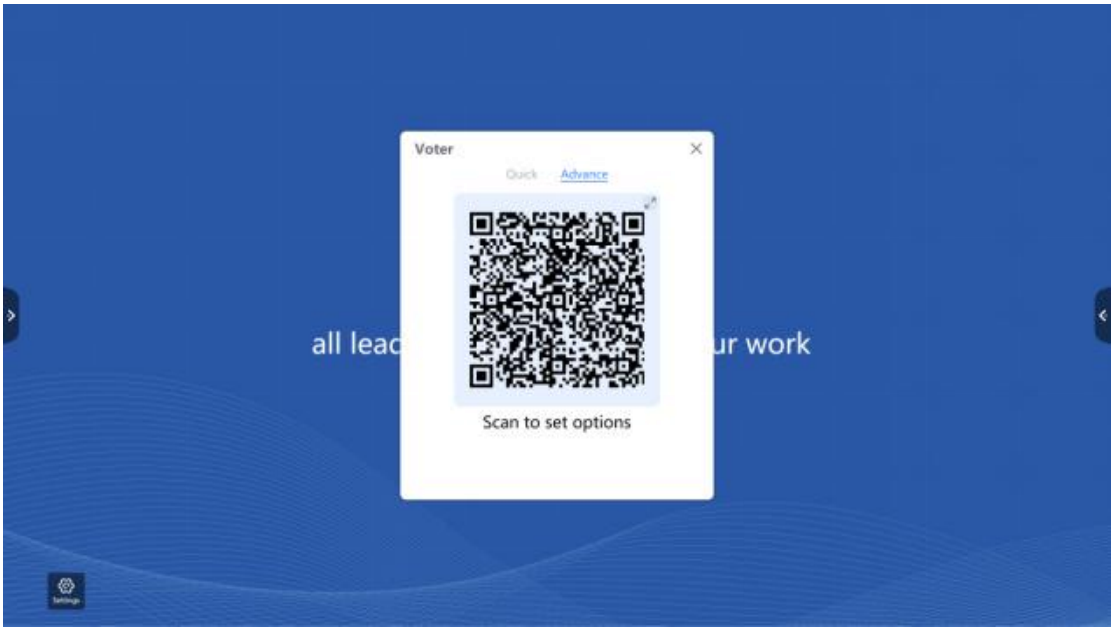
➢Scan the code to take away



➢ View Details: Clicking View Details will display the name and voting options

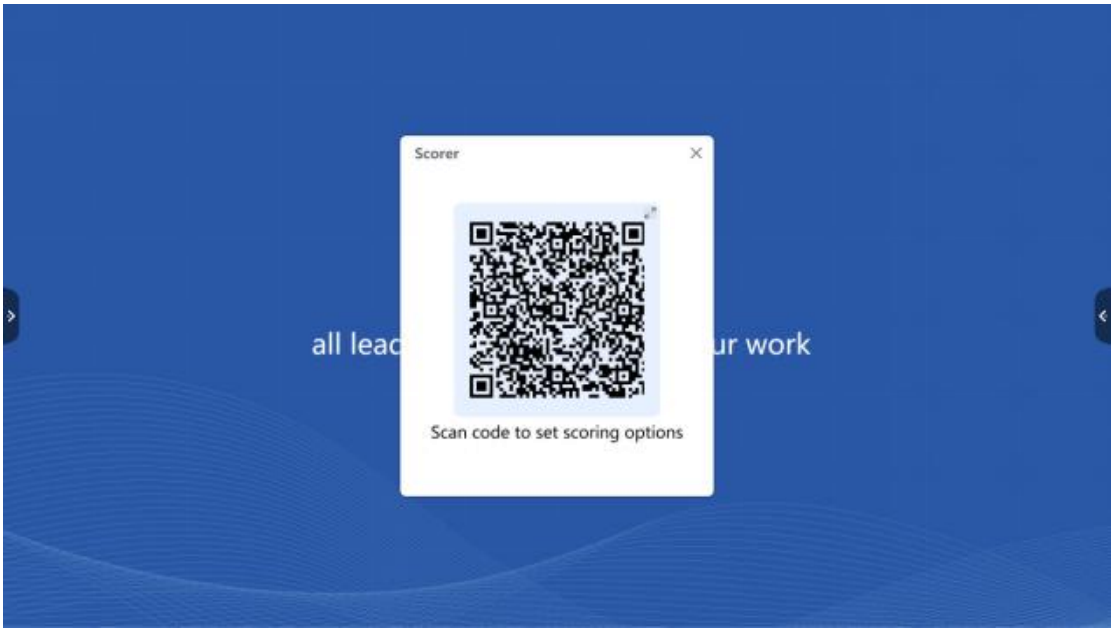


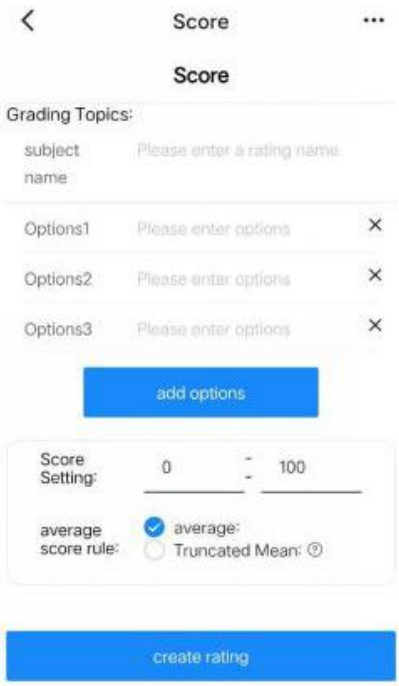
② Advanced Voting: Advanced voting is a form of voting that is customized by scanning code, which is set up through the H5 terminal of the web page. Once set up, the QR code for scanning to participate will be displayed on the interactive flat panel, and you can scan the QR code to participate in the customized poll.



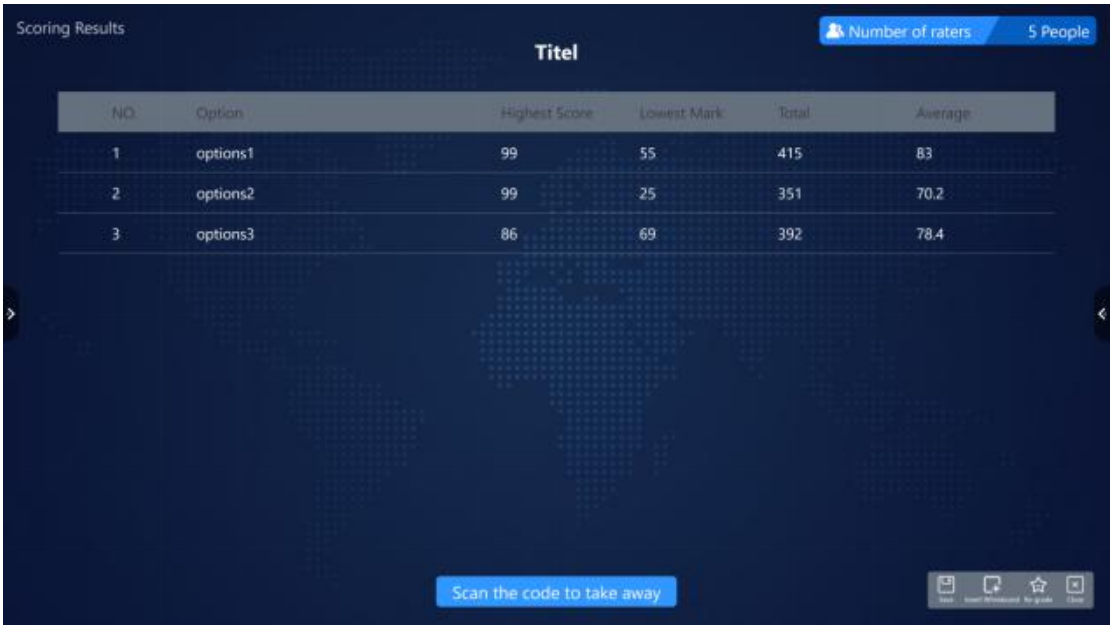
8.2. Scoring

Scoring is a user-defined scoring option by scanning code. The scoring QR code is generated after the code is set, and the scoring result can be obtained by clicking [Generate Scoring Result].





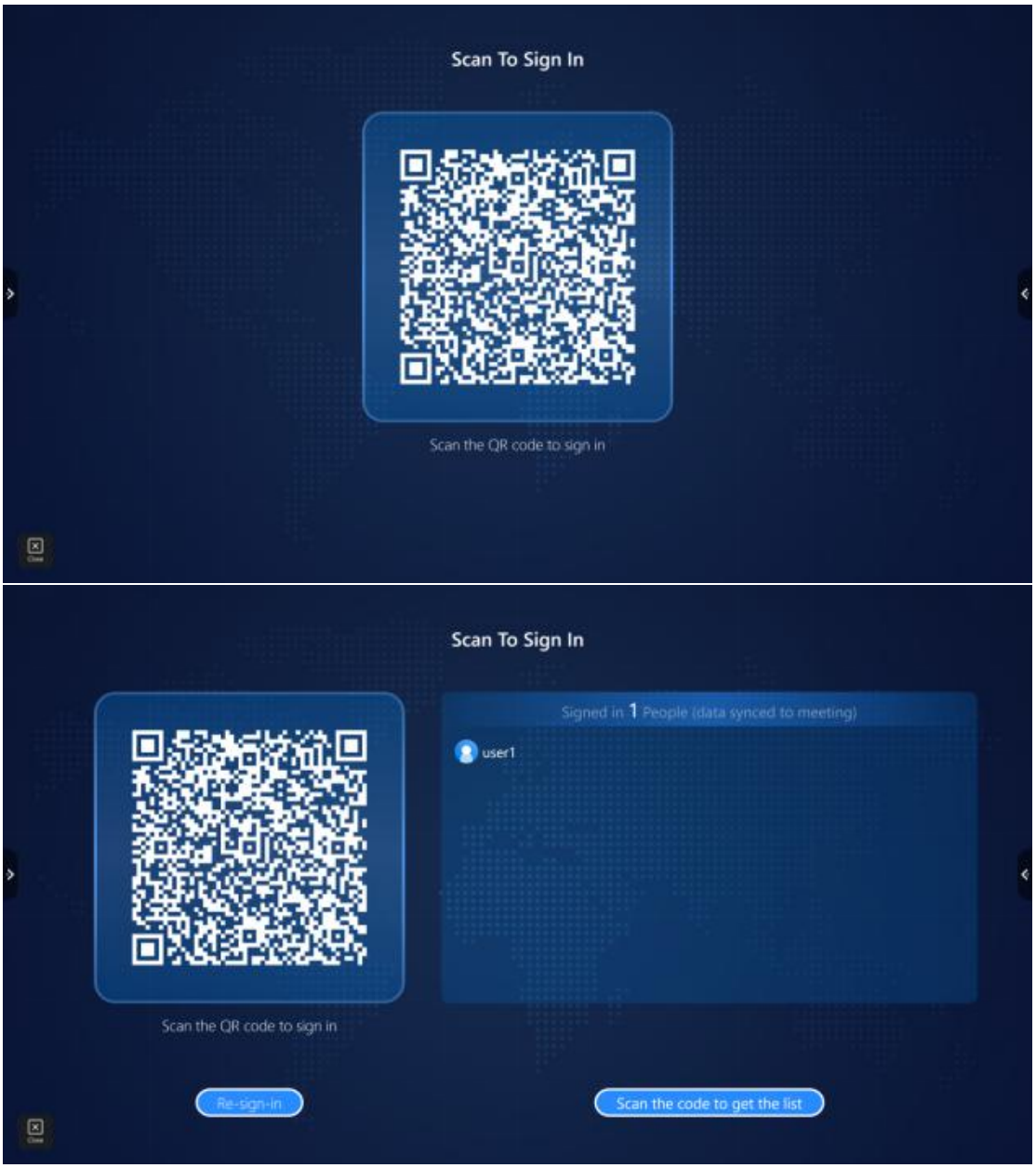
➢ The scoring results are presented in a table. In the lower right corner, there are [Save], [Insert Whiteboard], [Re-rating], [Close], and you can also [Scan the code to take away].



8.3. Sign-in

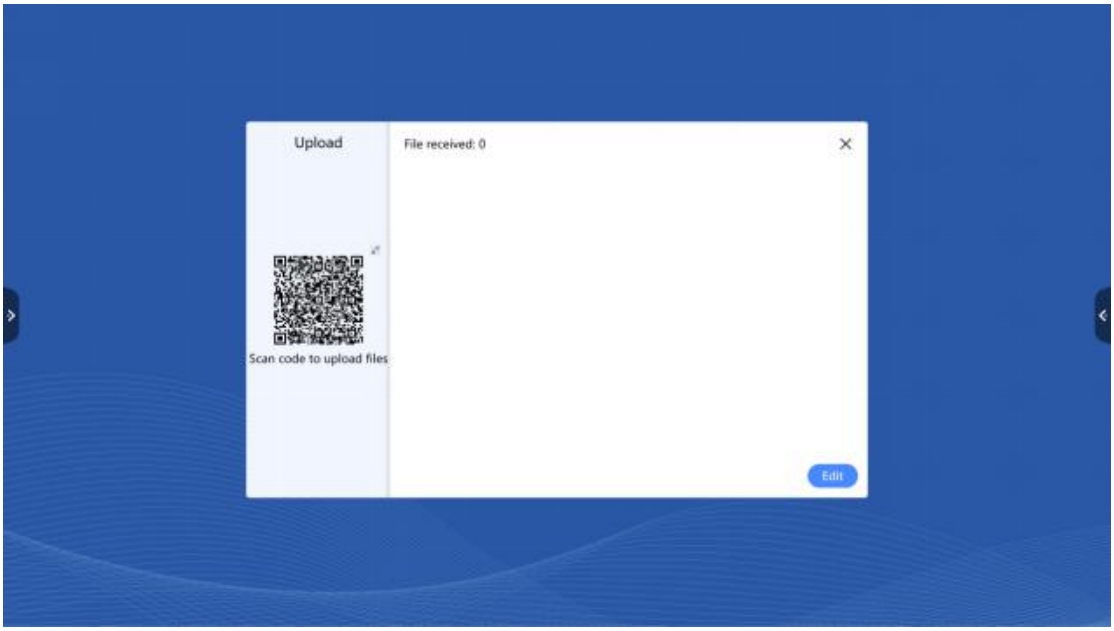
Click on the sign-in in the floating menu bar, which opens with a QR code. After scanning the code, the QR code is located on the left side, and the number of people who signed in and their names

are located on the right side of the interface. You can [Re-sign in] and [Scan code to get the list].



8.4. File Transfer

Click File Transfer to open the interface. On the left is the QR code for scanning to upload, whose upper right corner is a shrinking control, right side the list of uploaded files, and lower right corner the button for editing the files.

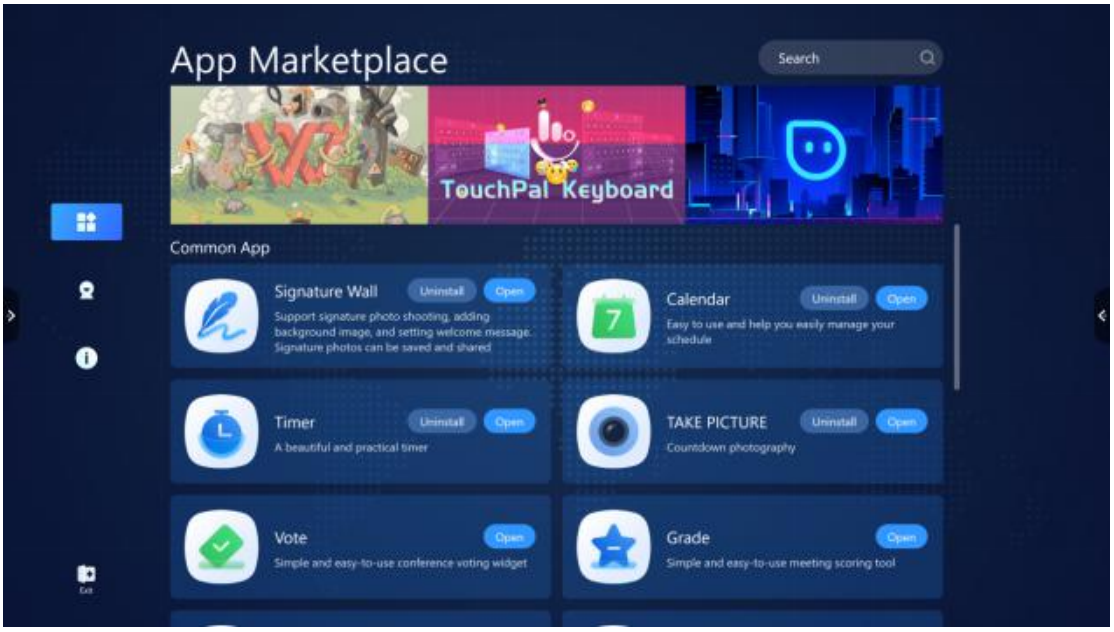


➢Shrinked status of File Transfer, just a shrinked state, without closing this tool. Scaning the code to upload file can still continue.

➢Edit, single-selectable, multi-selectable, can be saved and deleted. ➢Save to meeting, local, USB stick.

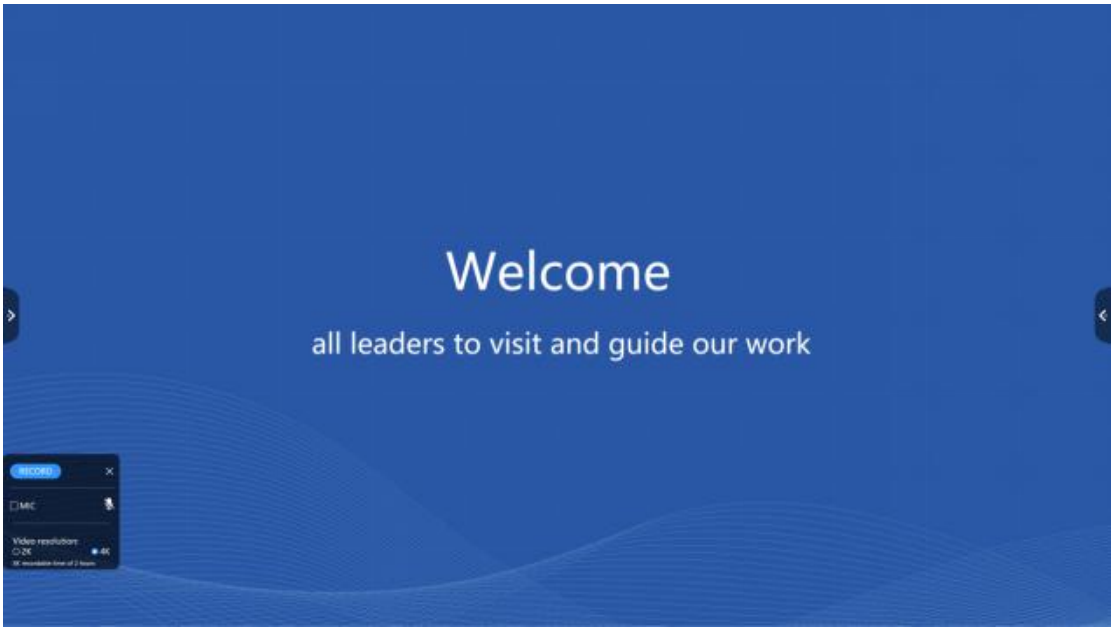
8.5. Application Market

Application Market provides downloads of basic configuration tools for internal applications. The applications are controlled and opened in the background, and the downloaded applications are automatically displayed in the tool list.



8.6. Screen Recording

Recording screen can be downloaded in the application market, recording screen is divided into 2K and 4K recording screen, 2K is the resolution of 1080P for ordinary monitors, 4K is 3840 resolution. You can choose whether to open the microphone, when you start to record the screen after 5 seconds, it automatically shrinks to the lower right into a red marking point for timing; after the end of the recording, you can scan the code to take away. Click save to choose the save location, in the meeting, local or U-disk.

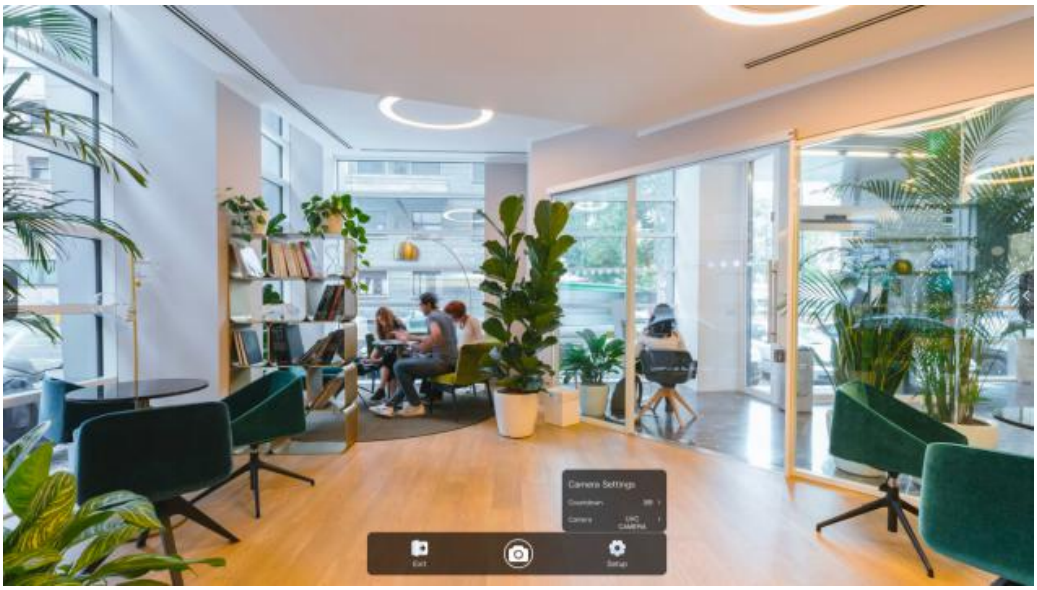


8.7. Screenshot

Screenshot can be downloaded from the application market, after downloading and opening, it is the style of partial screenshot, which can be zoomed in, zoomed out, and selected area. The content of the screenshot can also choose to save the location, can be directly shared, can also be directly inserted into the whiteboard for annotation.

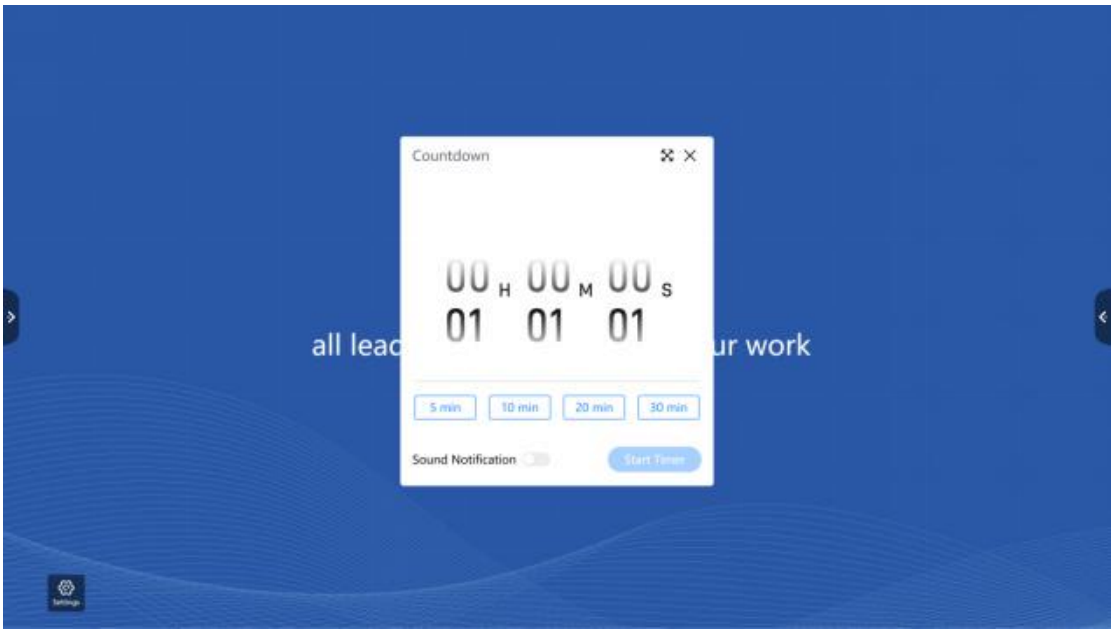
8.8. Taking Photos

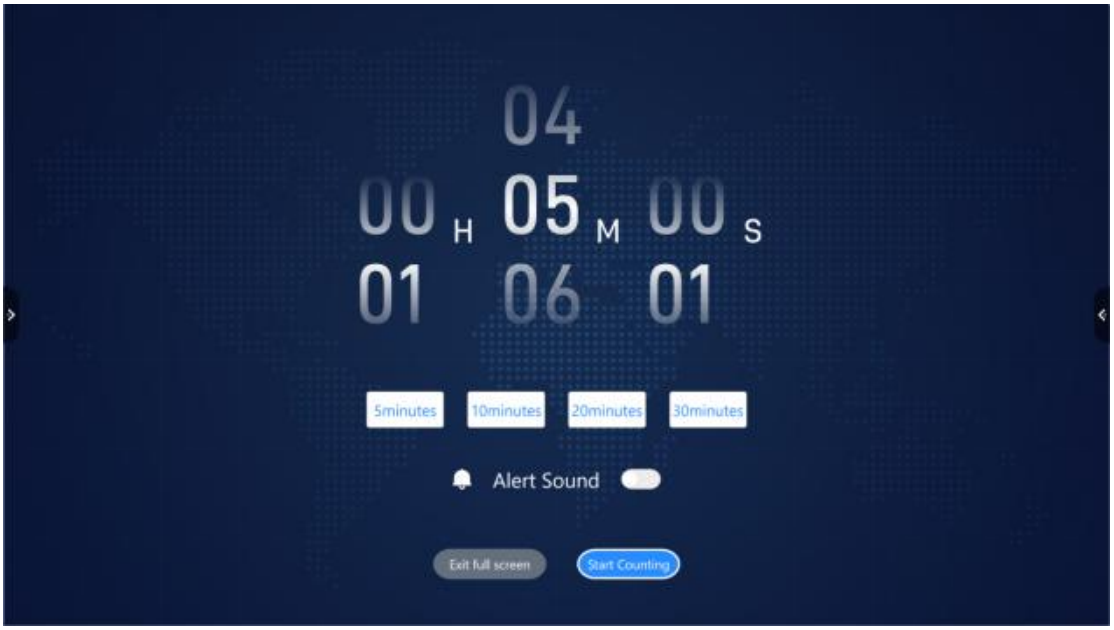
Taking Photos is a direct call to the camera to take a picture. A countdown time can be set for taking a picture, or an external camera can be selected if there is an external camera access. After taking a picture, a QR code will appear, and you can scan the code to take away or save it, or insert whiteboard for annotation. The bottom menu bar will be automatically closed when taking a picture.



8.9. Timer

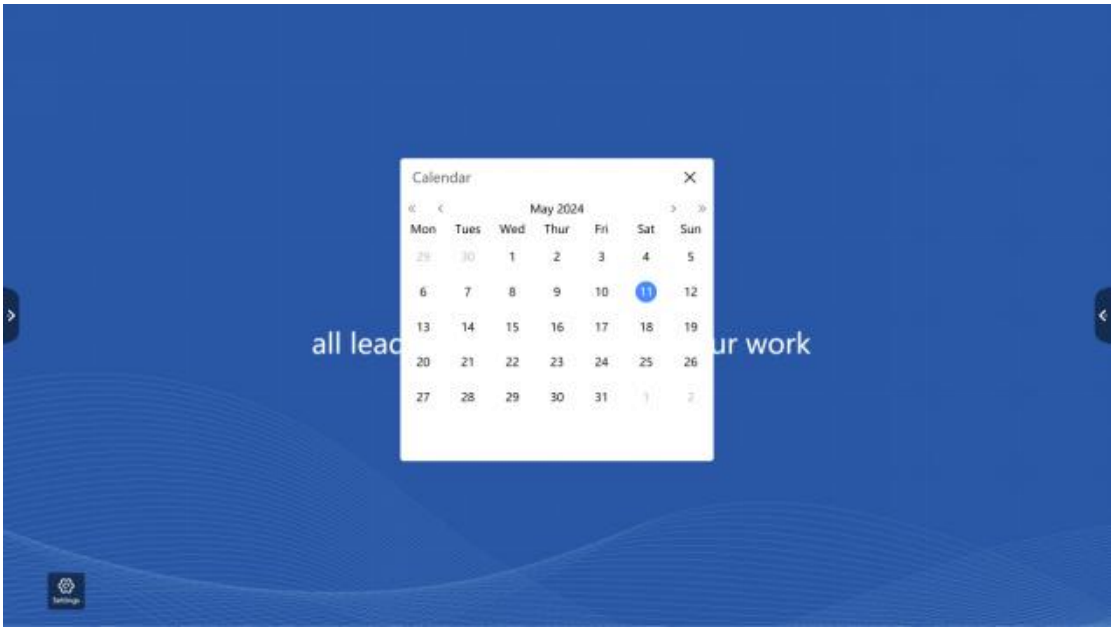
After downloading through the app shop and opening the timer you can set the time and time it. After setting the time, if there is no operation for 5 seconds, the timer will automatically shrink to the upper right corner, and if the set time is exceeded, it will be displayed in red. The timer screen can be enlarged to set the time.





8.10.Calendar

It can be downloaded or uninstalled from the app shop. After downloading, you can open it from the floating menu bar.

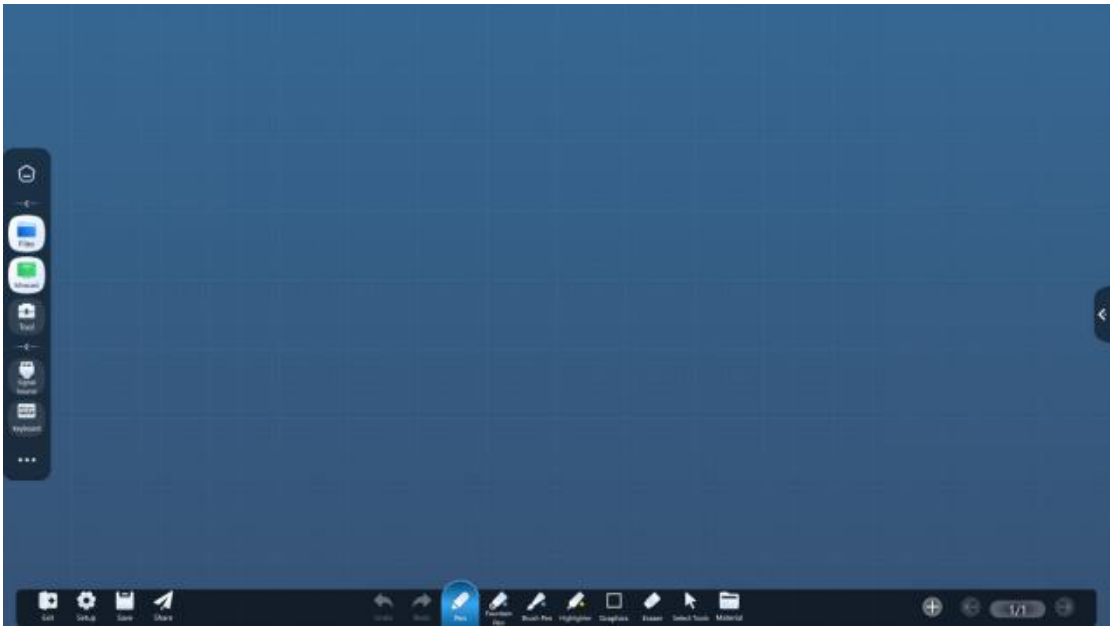


8.11.Keyboard

The keyboard can be opened from the floating menu bar.

9.Whiteboard

Writing Whiteboard: mainly used for writing, drawing and marking. It can be operated using different colors and brushes. The whiteboard menu bar shows [Exit], [Settings], [Save], [Share], [Withdraw], [Restore], [Pen], [Brush], [Fountain pen], [Highlighter], [Graphics], [Eraser], [Selection Tool], [Material], [Pages].



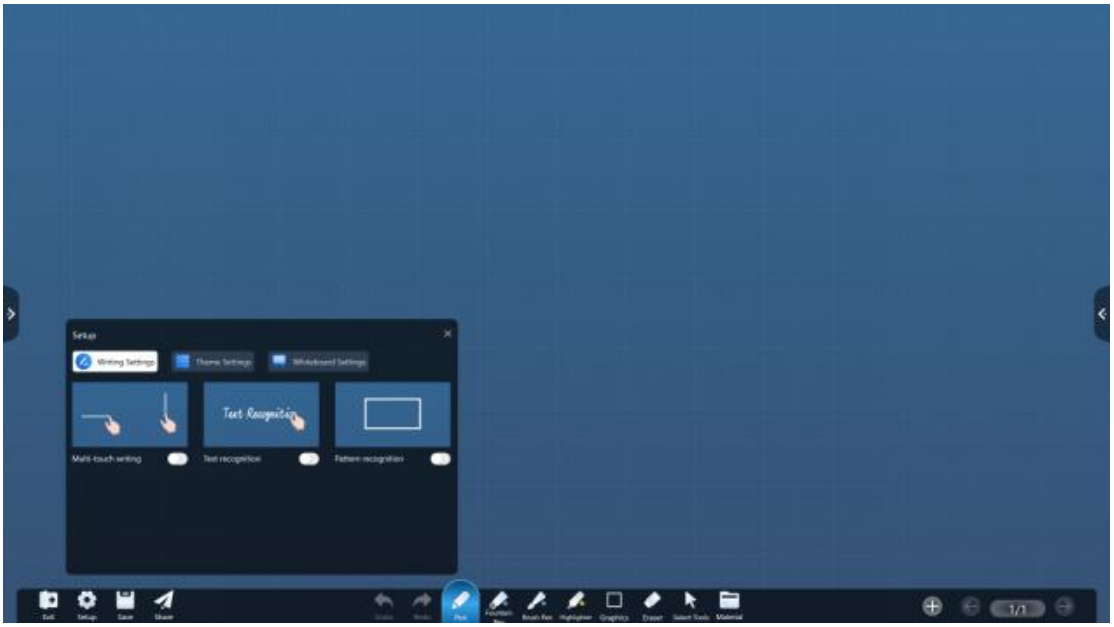
9.1. Settings

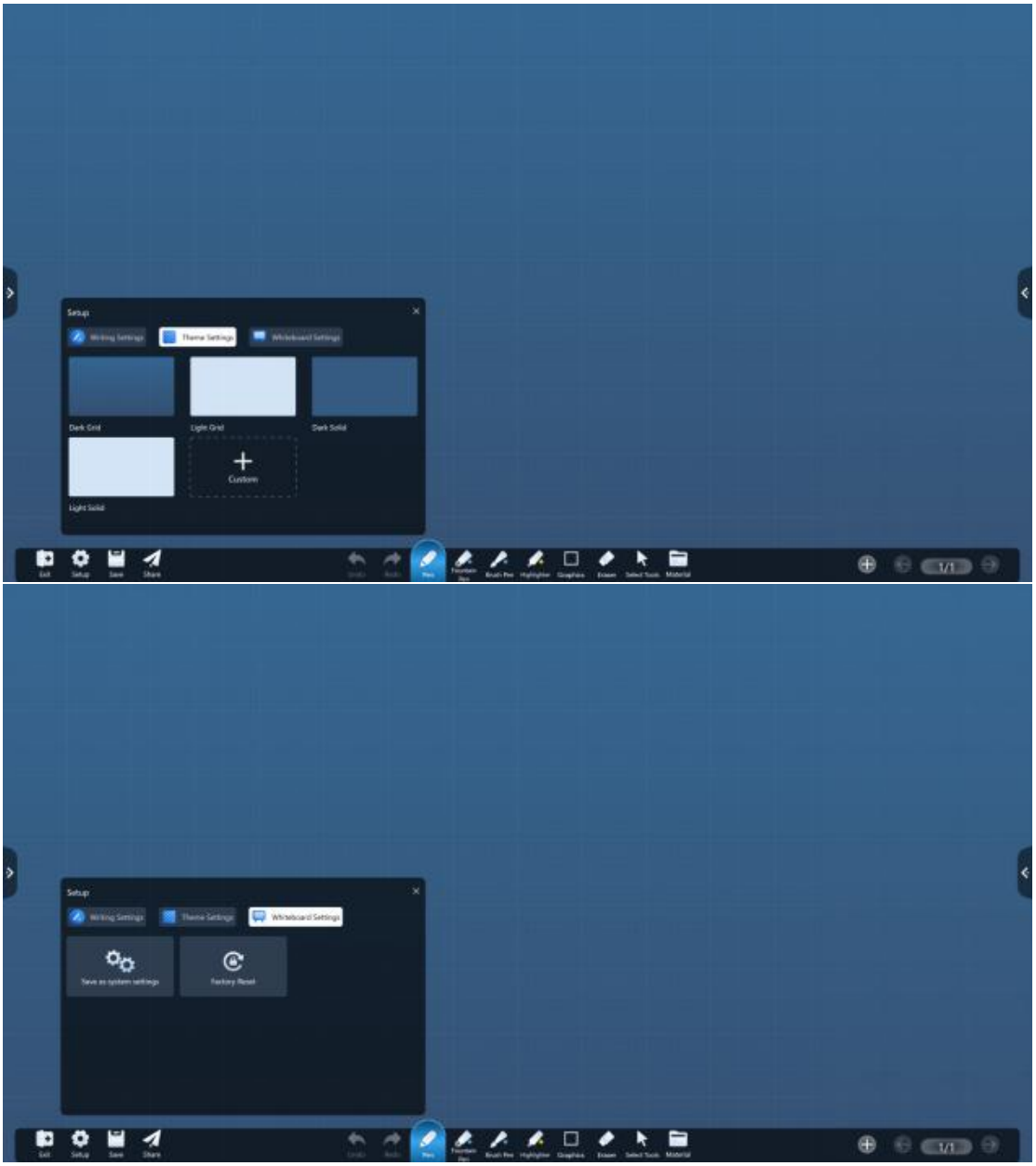
There are mainly writing settings, theme settings and whiteboard settings.

① Writing Settings: Divided into multi-point writing, text recognition and graphic recognition. Multi-point writing, you can write in many places at the same time. Text recognition, the whiteboard can recognize text, English, numbers, simple symbols. Graphics recognition can identify some graphics used in daily life, such as circles, triangles, quadrilaterals and so on. Text recognition and graphic recognition cannot be turned on at the same time.

② Theme Setting: You can choose the theme provided by the system or customize the theme background.

③ Whiteboard Settings: Click [Save to System] to save the writing settings, theme settings, four pen attributes, graphic attributes and eraser attribute settings in the current whiteboard to the system global. Click [Restore System Settings] to restore the Writing Settings, Theme Settings, Four Pen Attributes, Graphic Attributes, and Eraser Attributes settings in the global whiteboard to the default settings.

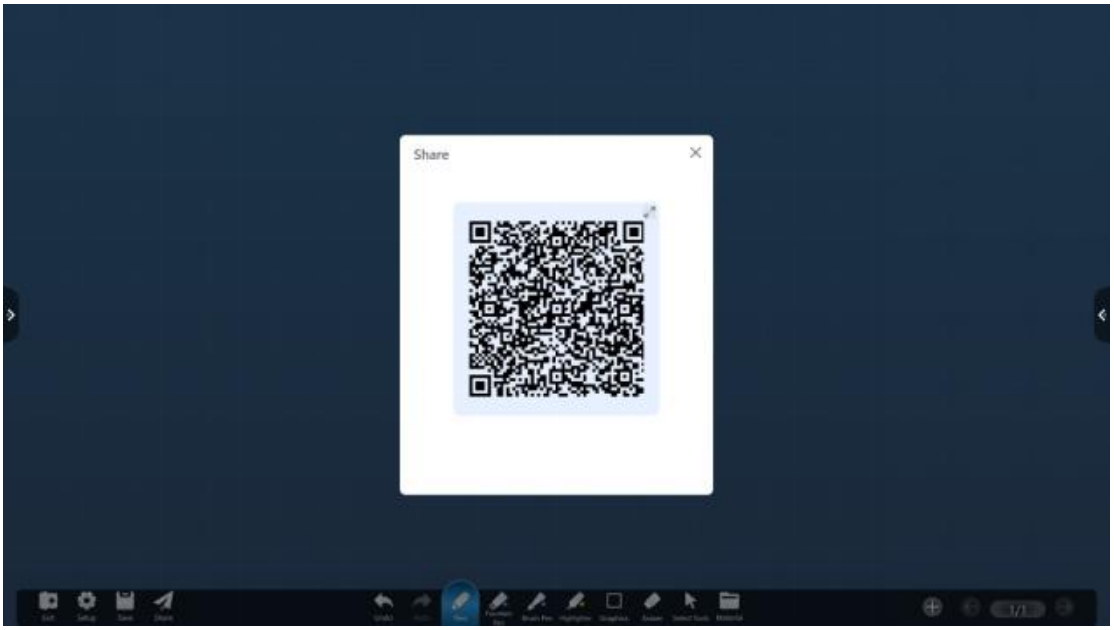


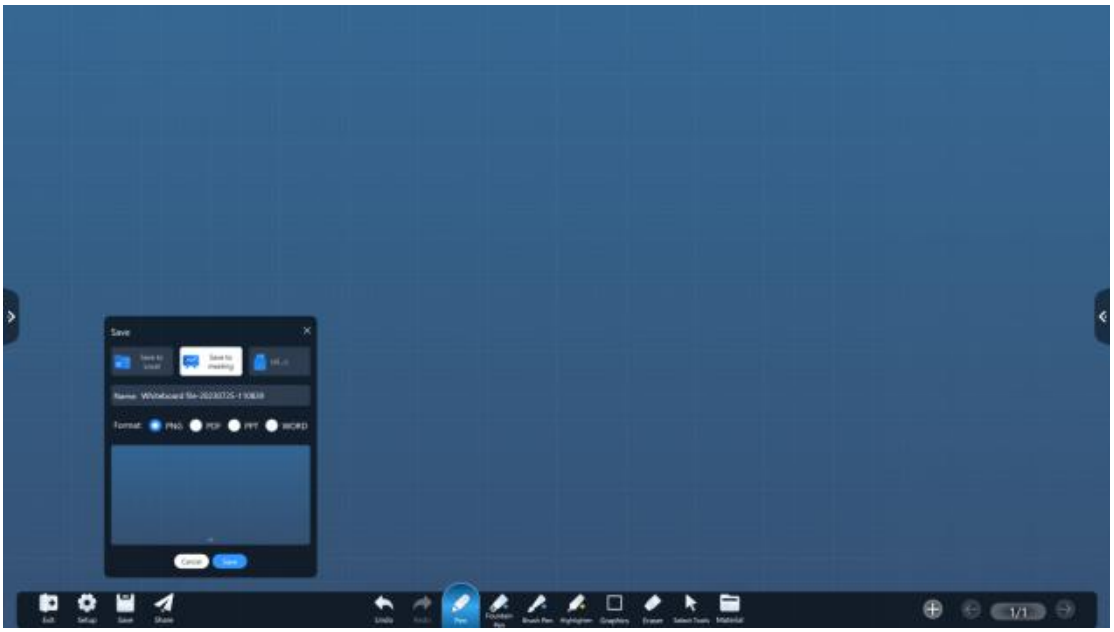


9.2. Save and Share

It can be saved locally, in a meeting or on a USB stick (provided that there is USB stick device access). The name can be customized, if there is the same name, it will show that the file already exists in the file with the same name, and you can choose whether to overwrite it or not. Optional formats: PNG, PDF, PPT, WORD.

Click share will appear a QR code, scan the QR code to save the current editing content.





9.3. Brush

① Withdraw: Clicking Withdraw will withdraw the previous operation.

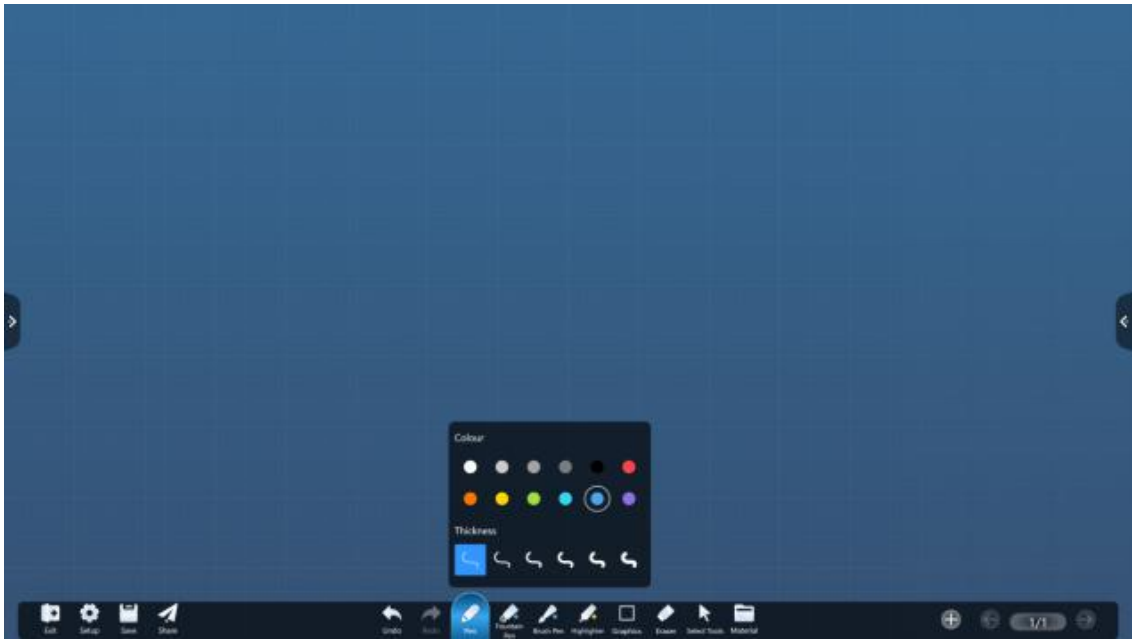
② Rewrite: Clicking Rewrite will restore the withdrawn operation.

③ Pen: Click the pen to write, the most initial state.

④ Fountain pen: fountain pen writing, with a pen edge, with the same handwriting as fountain pen, with colour thickness optional.

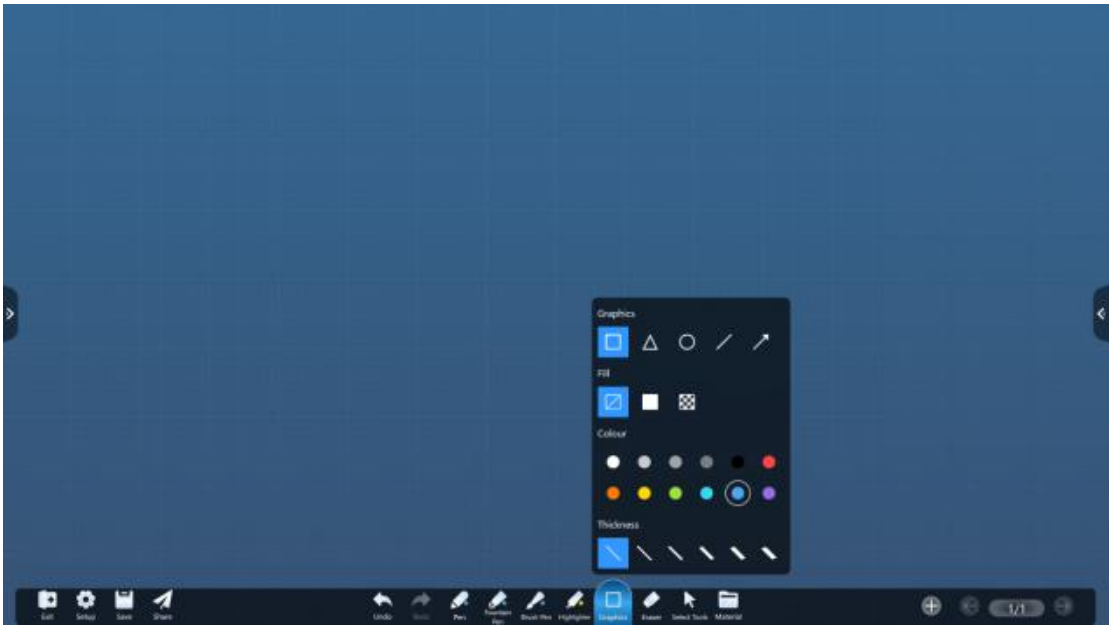
⑤ Brush: the handwriting will change according to the strength and speed of writing.

⑥ Highlighter: Transparent handwriting, used for marking.



9.4. Graphics

The desired graph can be selected for drawing.



9.5. Eraser

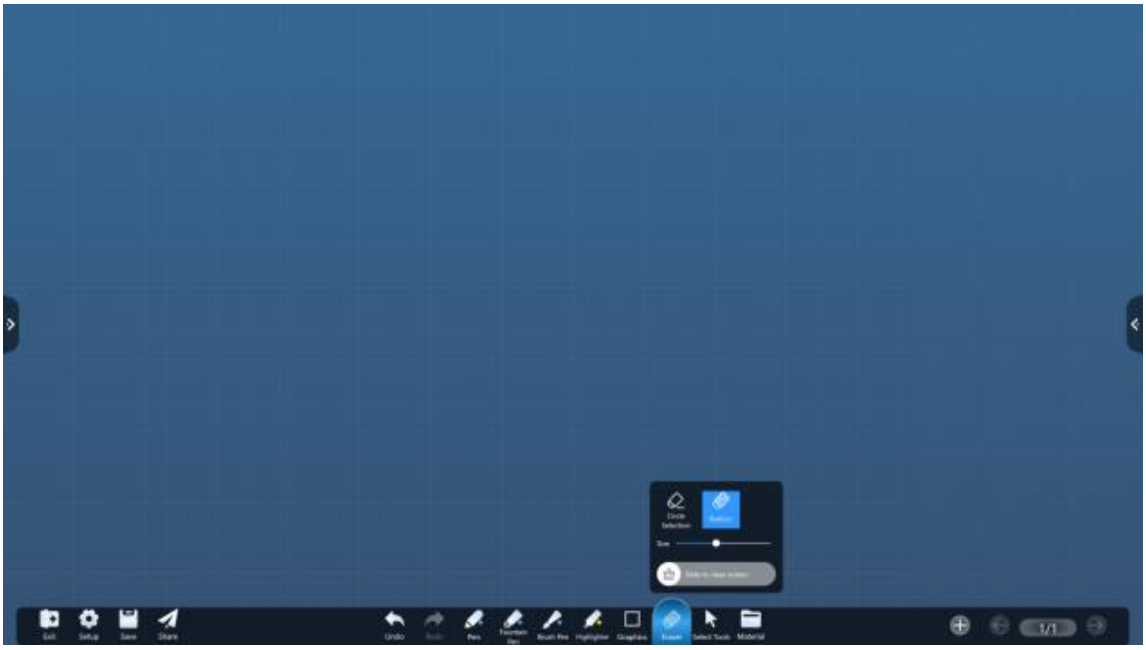
Eraser is divided into four kinds, pixel eraser sassafras, circled eraser, slide to clear the screen, gesture sassafras.

Pixel eraser: a small piece of interview-style sassafras, adjustable size.

Circle selection eraser: to manually circle a region to clear.

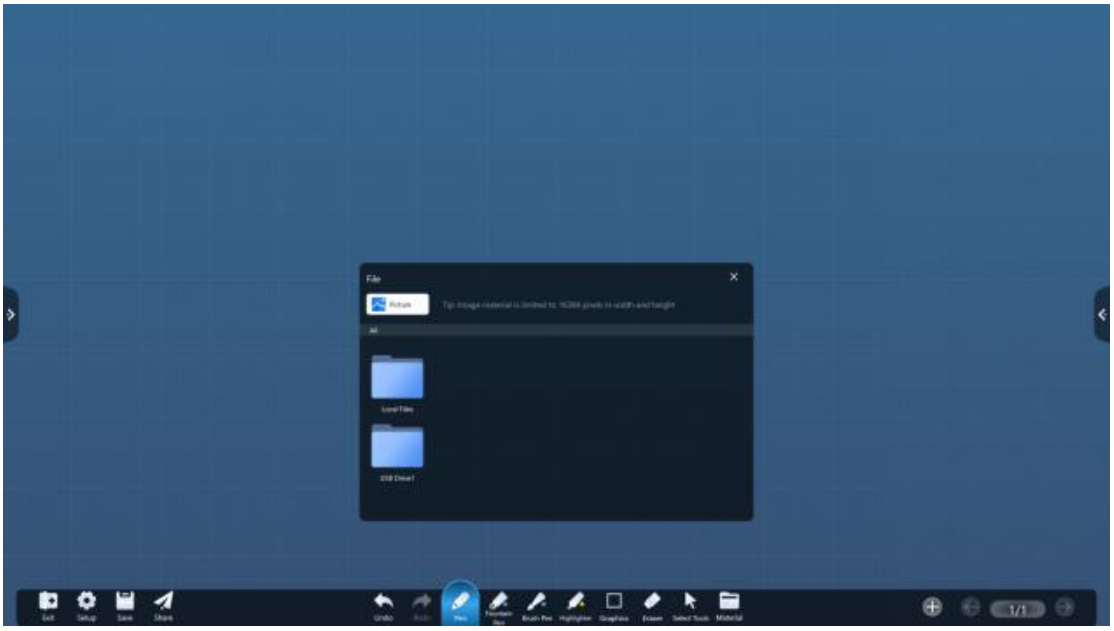
Slide clear screen: clear a page of all written content.

Gesture sassafras: with the area of the hand to touch the touch screen for sassafras.



9.6. Material

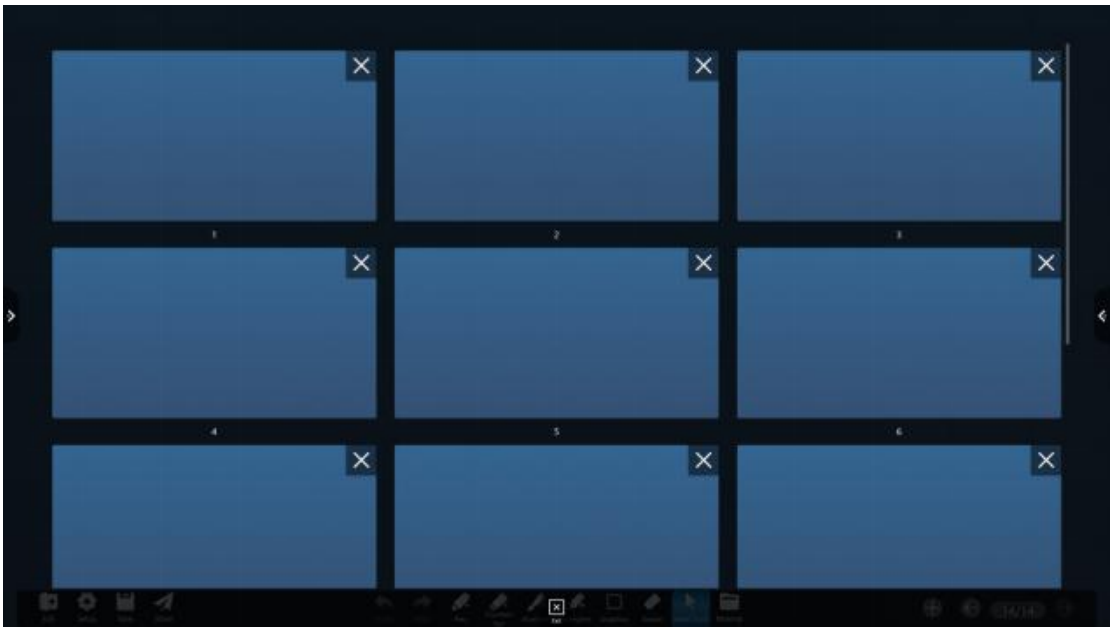
Open Material, from which a file can be selected for insertion into the whiteboard



9.7. Preview

Click on the lower right corner of the whiteboard to add pages and delete pages, cut pages, you can

preview the total number of pages of the whiteboard, increase the upper limit of 50 pages.



10.File Display

10.1.File Manager

The File Display mainly shows the path of the system storage file, you can perform operations on the file, view, delete, select, properties. You can search for files. The left side of the display shows where the file belongs to and the available space. The top right button is the top button.

10.1.1.Edit Files

When you click on the lower right corner of the edit or long press to enter the edit state, it will appear in the selectable state, you can operate on the file, rename a single file, move, copy, delete single or multiple files.

10.1.2.View Files as a List

View as a list, you can see the file information as a whole, file name, modification date, size, and type.

10.1.3.File Viewing Mode

You can filter local files or USB memory sticks to view documents, pictures, audio and video. If video is selected, click search, only video will be displayed.

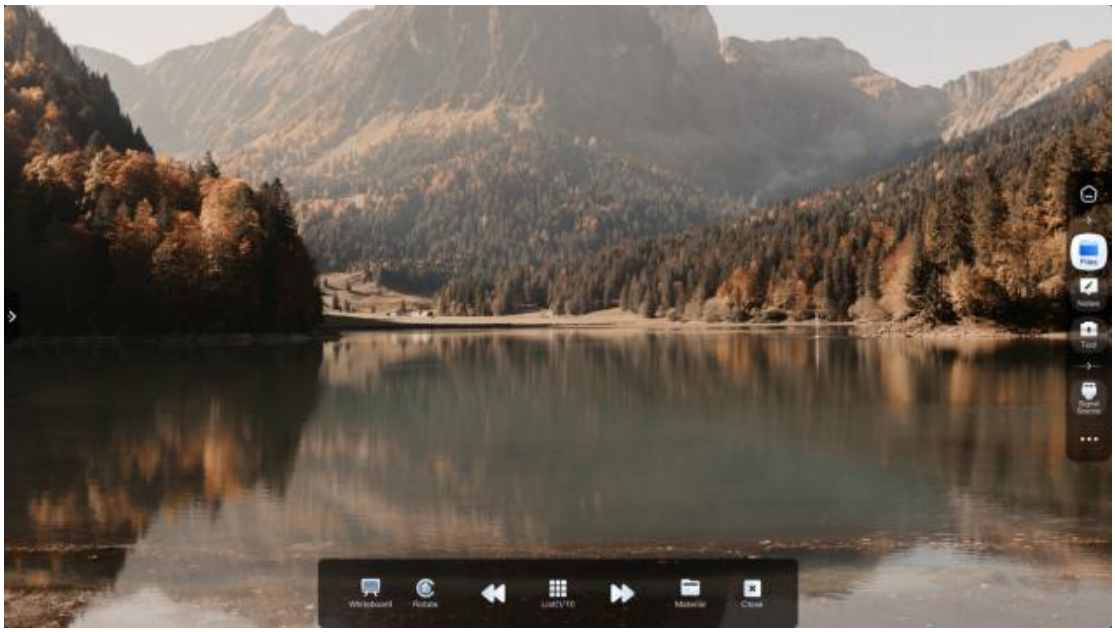
10.1.4.New Folder

Click the "+" icon in the upper left corner of the file manager to create a new folder.

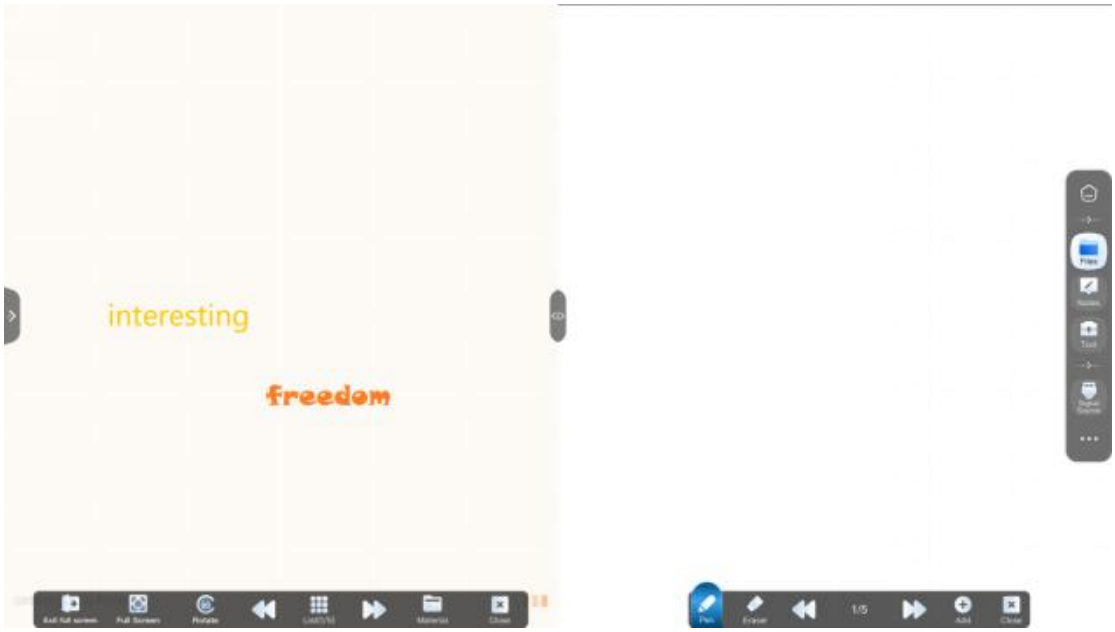
10.2.Document Display

10.2.1.Picture

After selecting an image to open in the Task Manager, a task bar will appear below, which can perform Open Assisted Whiteboard, Rotate, Switch to the previous or next image, Preview all images, Insert Material (images, videos).



➢File Open Assisted Whiteboard



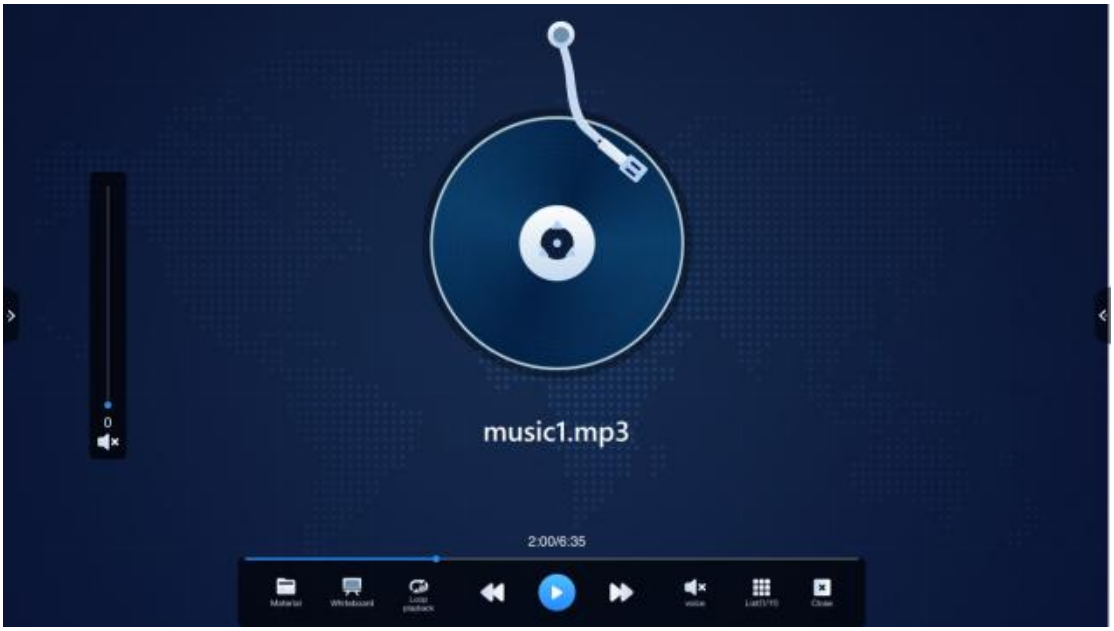
➢Open Material for the file. One finger press and hold the picture or video up and directly drag to insert it

10.2.2.Video

It can be set to play single video in loop and all videos in sequence. Volume can be adjusted by clicking on the volume in the taskbar, or you can adjust the volume by swiping up on the right and the brightness by swiping up on the left. Insert pictures or video materials, Open Assisted Whiteboard can also be performed on videos.

10.2.3.Audio

It can be set to play single video in loop and all videos in sequence. Volume can be adjusted by clicking on the volume in the taskbar, or you can adjust the volume by swiping up on the right and the brightness by swiping up on the left. Insert pictures or video materials, Open Assisted Whiteboard can also be performed on audio files.

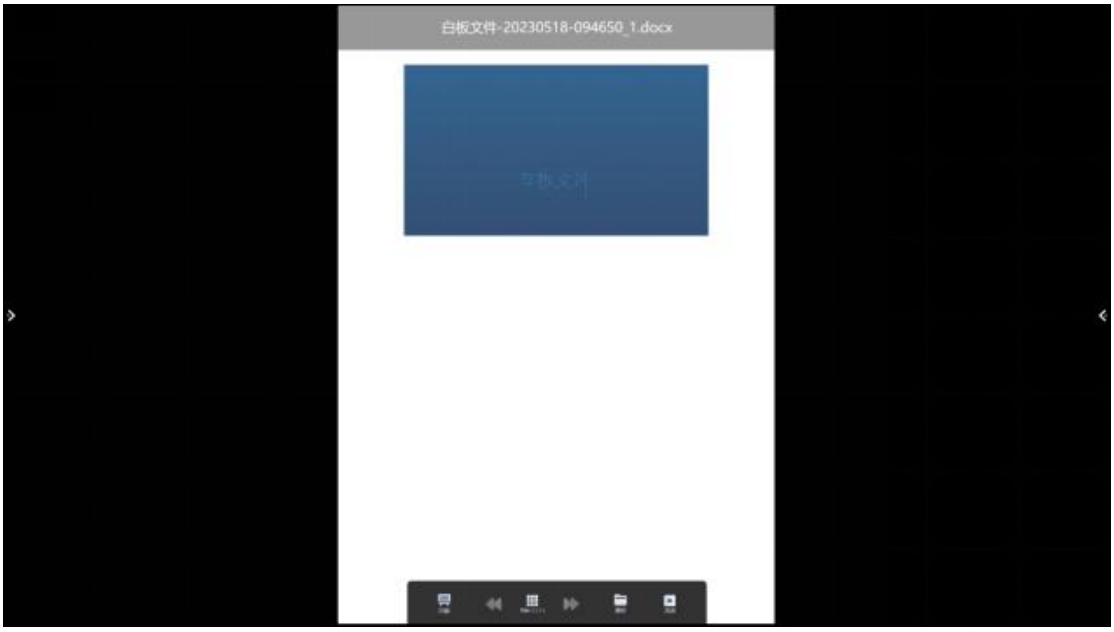


10.2.4.Document Files

Document Files can open files in word, txt, PDF, PPT, excel, CAD and other formats.

➢ word files, txt files

Open Assisted Whiteboard, Insert pictures or video materials can be performed on word files, txt files.



➢PDF files

Rotate, Insert pictures or video materials and Open Assisted Whiteboard can be performed on PDF file.

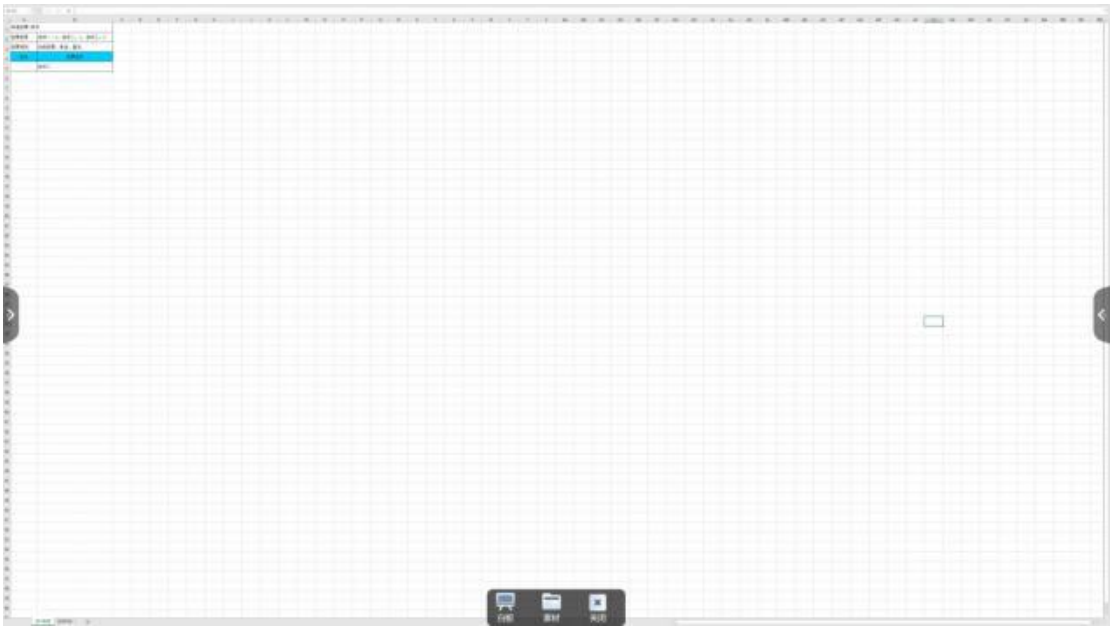
➢ PPT files

PPT files have a presentation mode added. Presentation mode is divided into regular

presentation mode and timed presentation mode. Regular presentation mode that is, open the PPT normally, timed presentation mode is a timed presentation by customizing the time, when the time is set, click Enable, the time will be timed in the upper right corner in the form of a small window, the bottom colour is green, if it exceeds the set time, the bottom colour will change to red; PPT can be selected whether to remove the animation mode. Click the timing box to pause or turn on the timing.

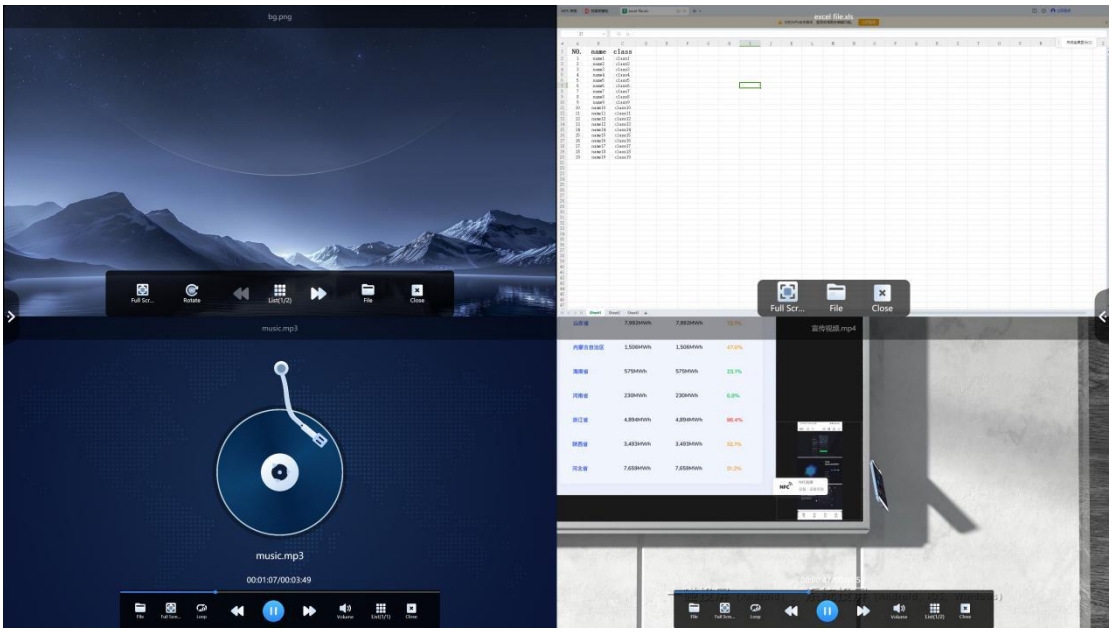
➢excel file

Excel file toolbar has [Assisted Whiteboard], [Material], [Close] functions



10.2.5.File Split Screen Mode

The file display can open multiple files concurrently in formats including audio, picture, video, document, etc. Up to four files can be opened at the same time.



11.Annotate

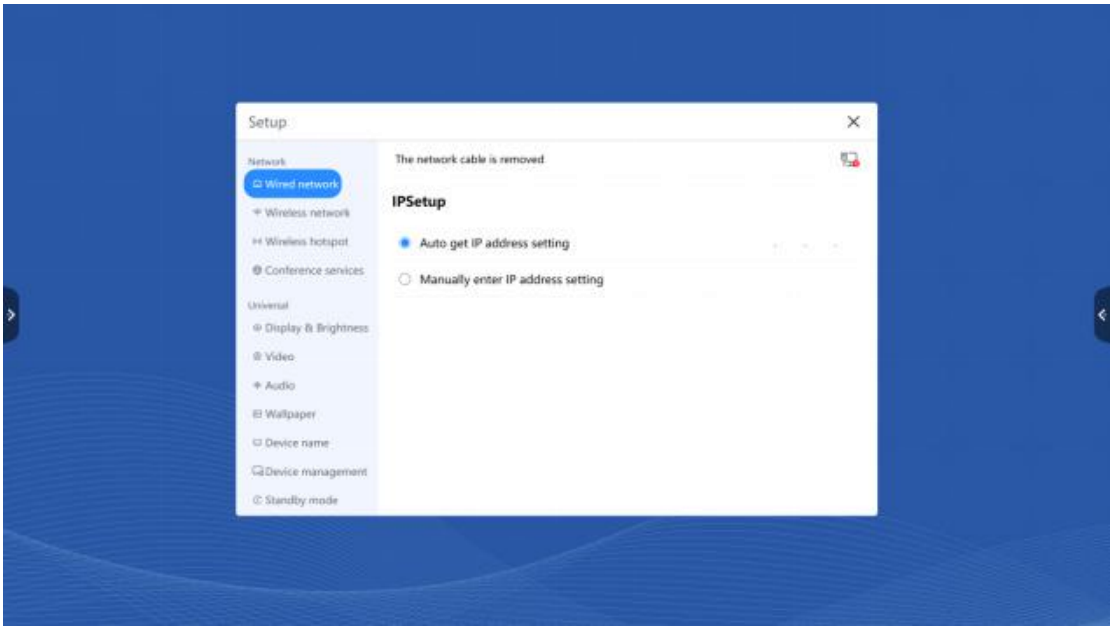
Click Annotate in the floating menu bar to enter the annotation status. You can share or save the annotations when you are done in the meeting. Outside the meeting, you can save the annotations when they are finished.

12.Settings

12.1.Network

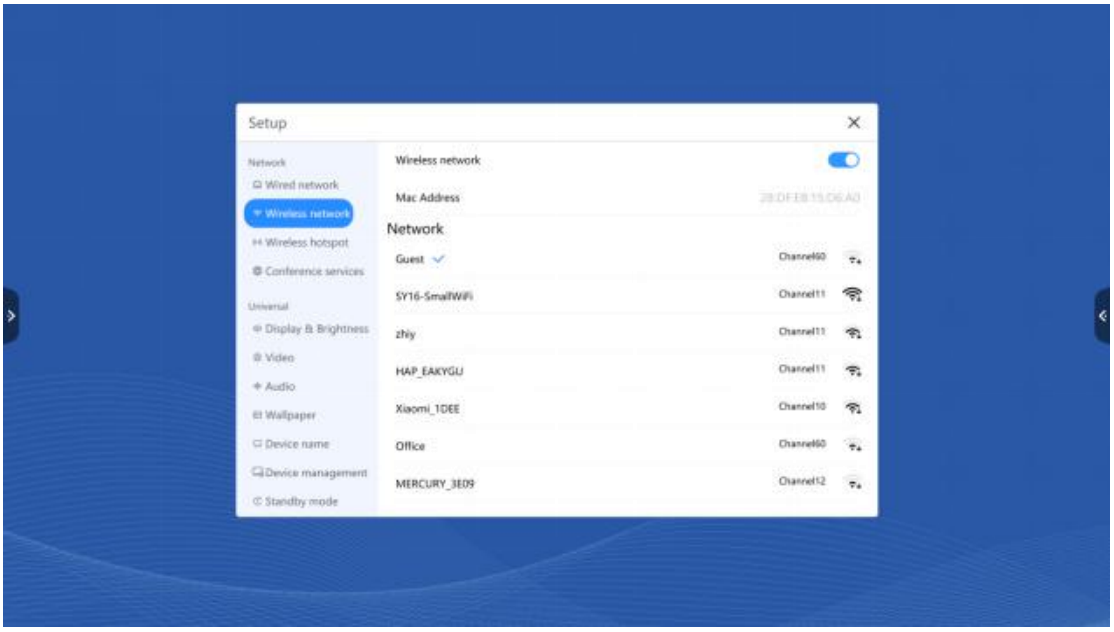
12.1.1.Wired network

The wired network is an access network. When the network cable is connected to the network, it will show the logo of the connected network. If the network cable is not connected to the network, a red disconnected logo will appear.

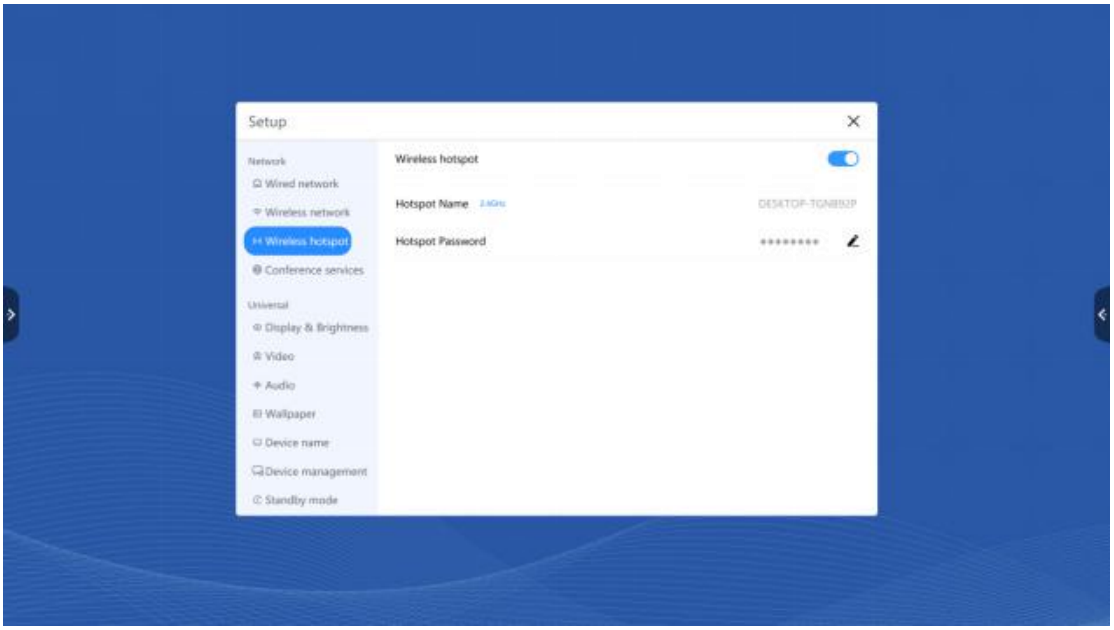


12.1.2.Wireless network

Wireless network is WiFi. As long as you turn on WiFi, it will automatically detect the signal, select and click on the network and enter the correct password to connect. If you access wired network and WiFi at the same time, the wired network will be recognized in priority.



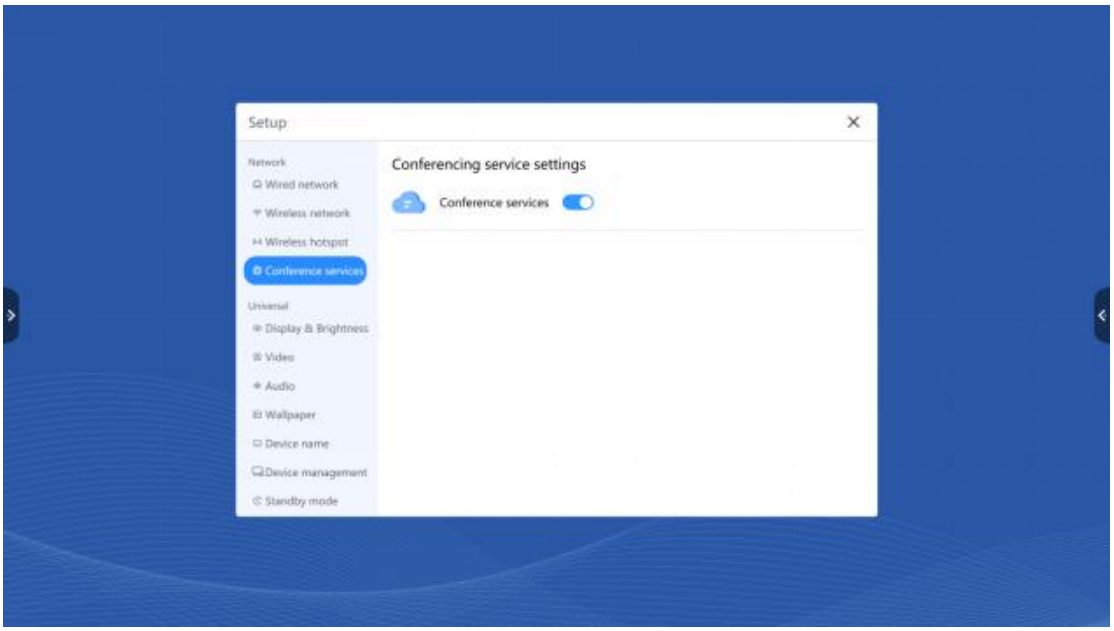
12.1.3.Wireless Hotspot



12.1.4.Conference services

The conference service status cannot be changed during a meeting, with its button gray and disabled. The button is set gray and disabled. This can be changed when you are on the home page after the meeting. Enable conference service, the conference data of interactive flat panel will be uploaded to the cloud service. Turn off the conference service, interactive flat panel enters

standalone mode, and is currently in standalone mode, under standalone mode, you cannot connect to the server or make a meeting reservation. In stand-alone mode, there are only [Quick Meeting] [Confidential Meeting] and no [Scheduled Meeting], and the home page only shows [Quick Meeting] [Confidential Meeting] [Screen Projection], and does not show the list of reserved meetings. When meeting in standalone mode, files can only be saved in [Local] or [U-disk], no [Share] [Save to Meeting]. Functions such as [Sign-in] [Voting] [Rating] [File Transfer] are not available in stand-alone mode.

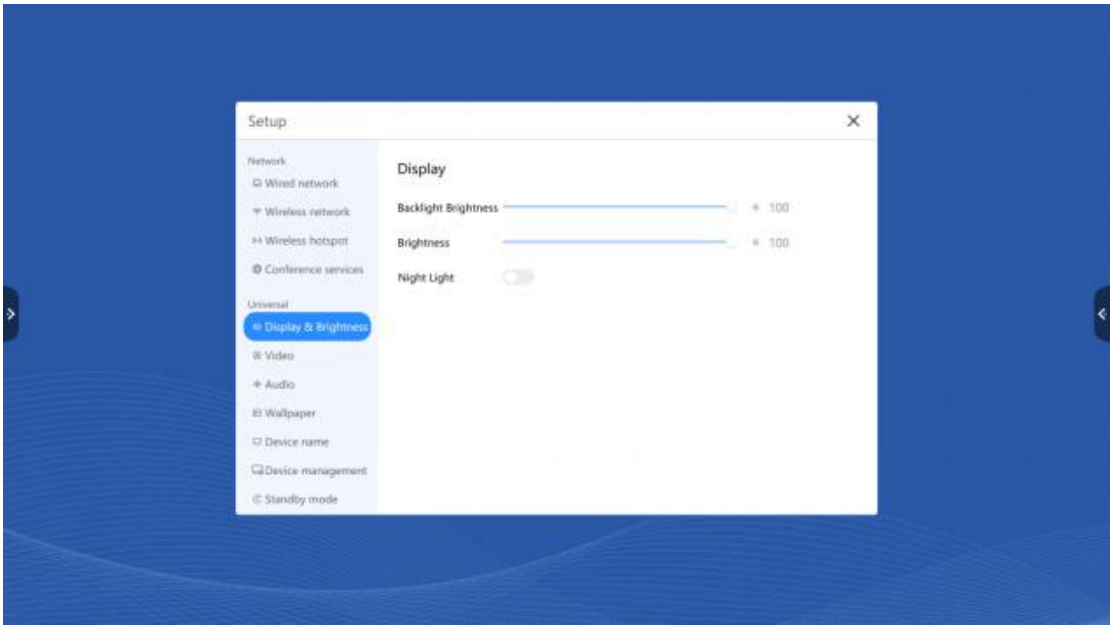


12.2.General

The General section focuses on personalizing the system.

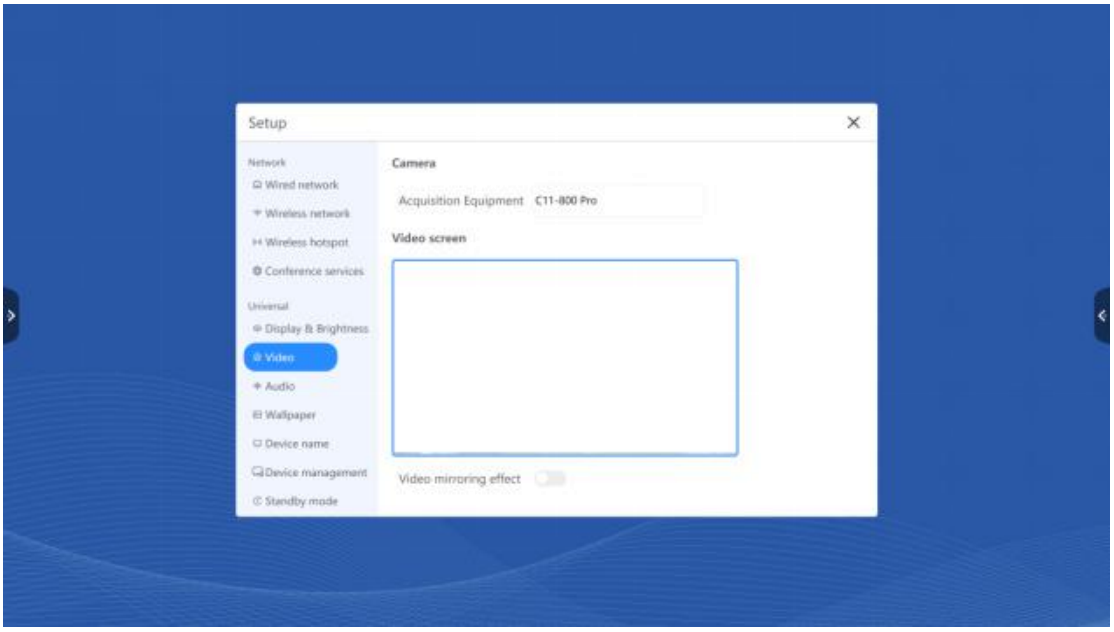
12.2.1.Display and Brightness

With brightness adjustment and an eye protection mode switch.



12.2.2.Video

It mainly detects whether the system's camera is normal or not; and if there is an external camera, it can be selected.



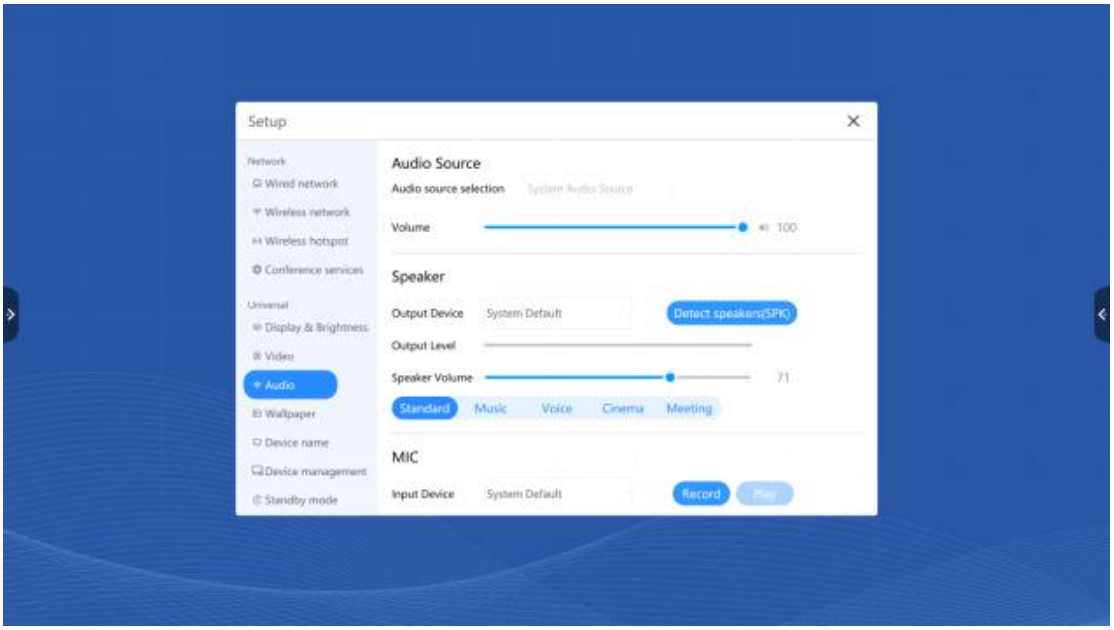
12.2.3.Audio

Mainly for audio source selection and control, speaker detection and volume control. Different sound effects are selected, there are standard sound mode, music mode, vocal mode, cinema mode, conference mode, each mode has different effects. Perform microphone detection. The settings are the same as the adjustment settings at Tools in the floating menu bar.

1. If the interactive flat panel is connected to LINE IN, you have to select it in the audio source

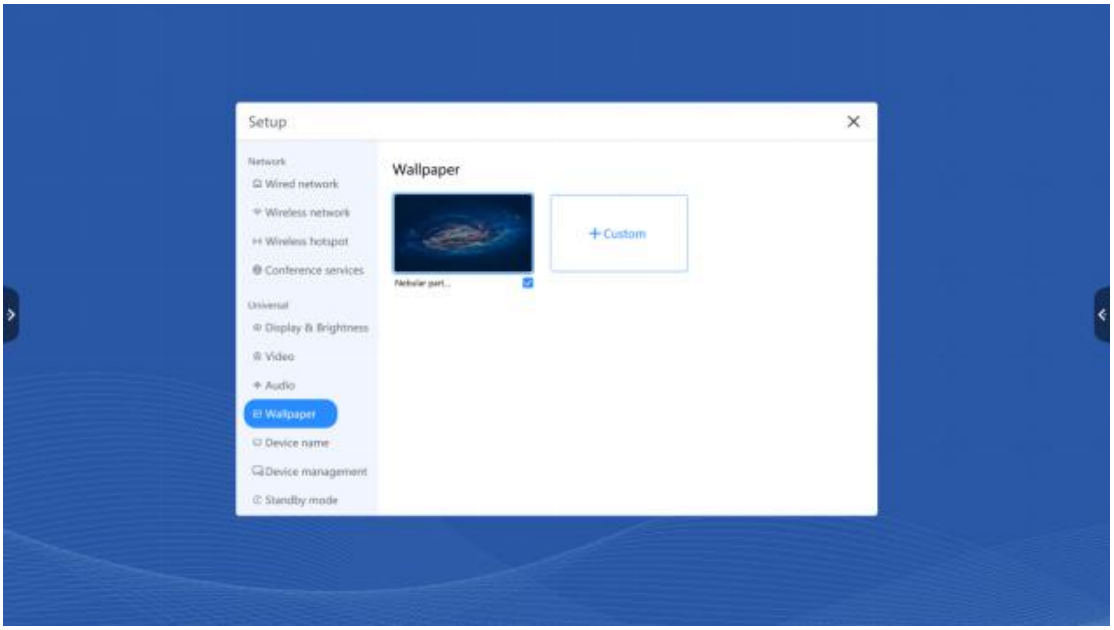
to get the sound of LINE IN（The interface requires a three-stage design）.

2. If the all-in-one machine is connected to MIC IN, you need to select the corresponding MIC device from the microphone input device list



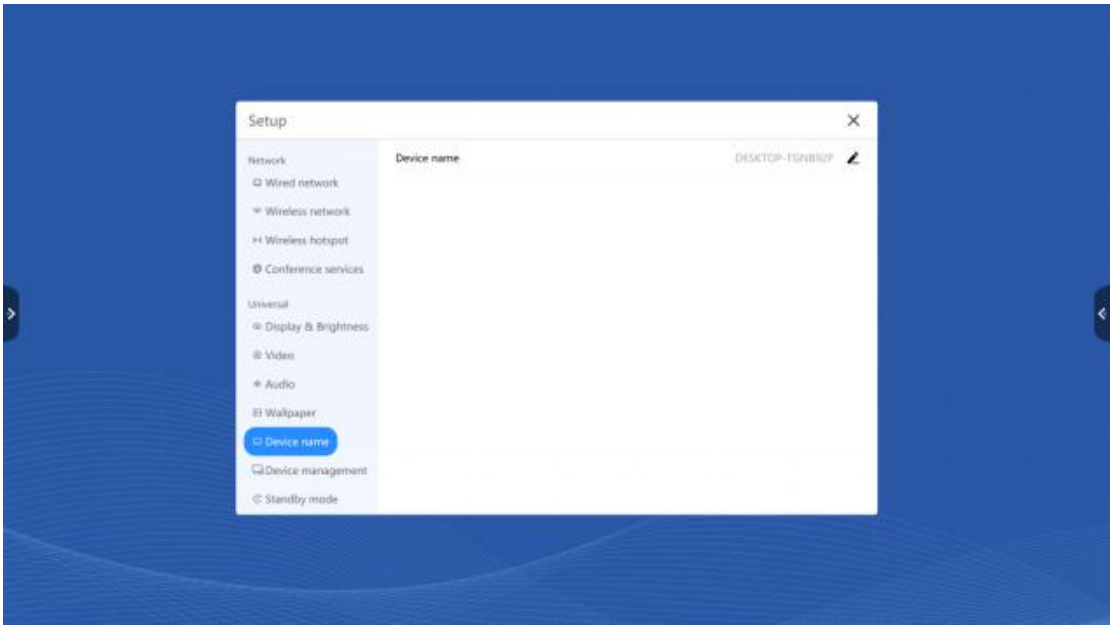
12.2.4.Wallpaper

The wallpaper can be displayed on the homepage after being set, and can be customized.



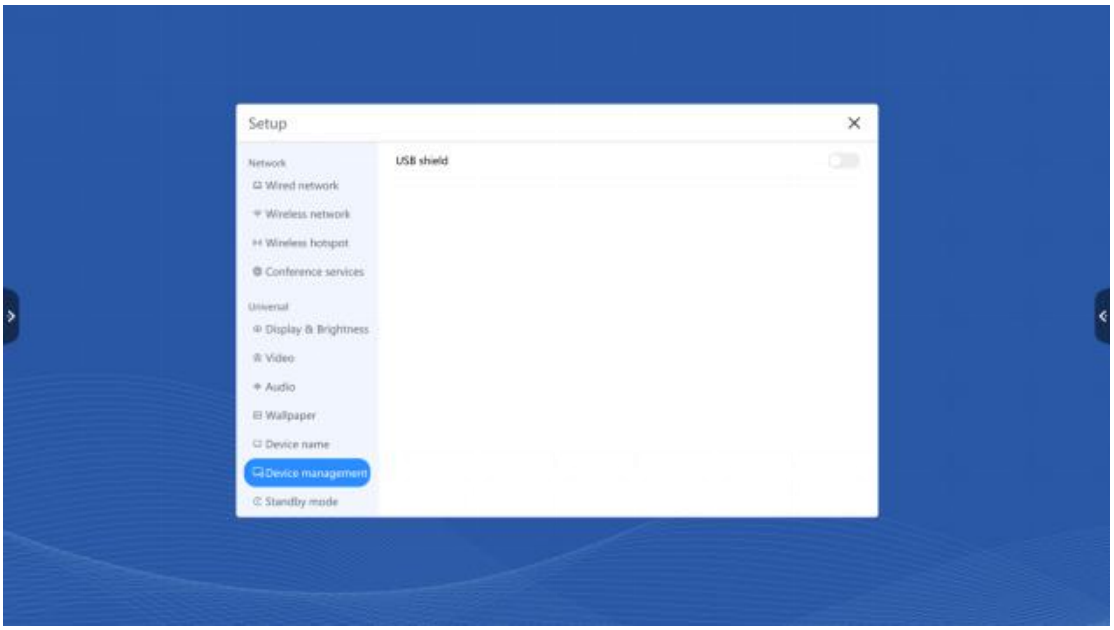
12.2.5.Device Name

The hotspot name will change as the display name of the current device changes.



12.2.6.Device Management

Inserting keyboard, mouse, U-disk and others is invalid after USB blocking is turned on.

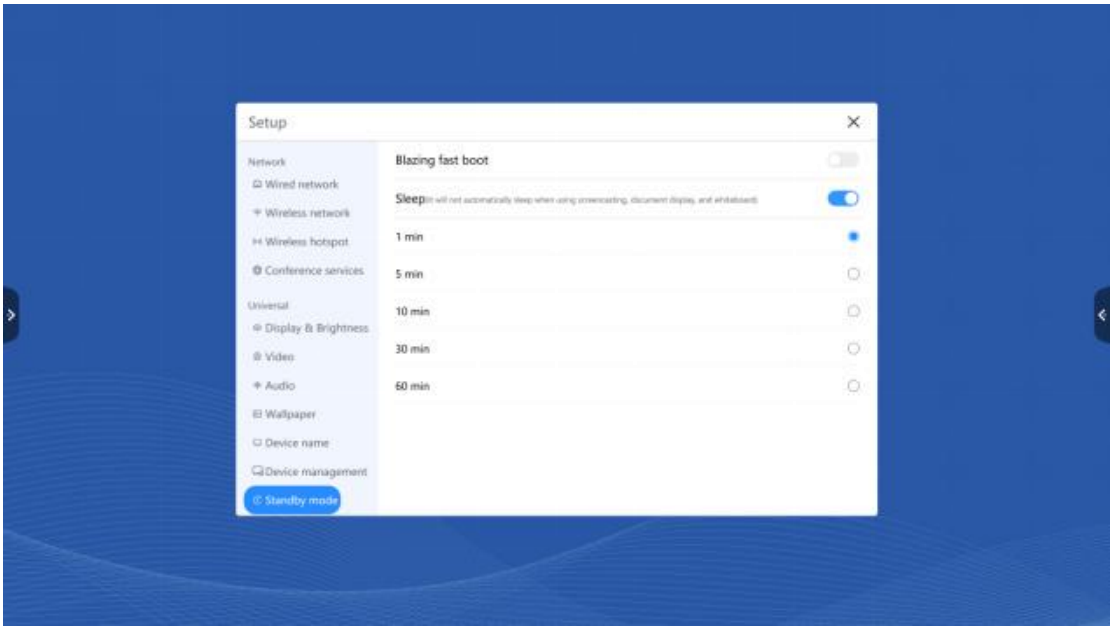


12.2.7.Standby Mode

This module consists of two modules, Fast Boot and Hibernate.

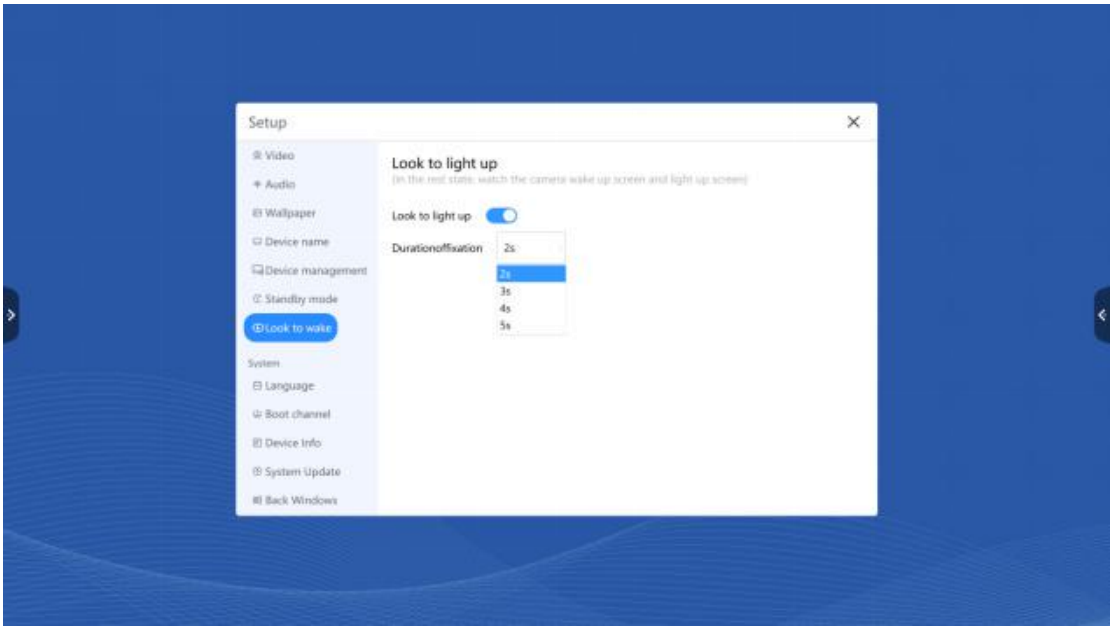
When Fast Boot is on, the interactive flat panel shutdown will be "in fast state"; if the interactive flat panel is turned off, press the Interactive flat panel Button for fast boot.

When Hibernate is on, you can set the time, with the default of 1 minute, which means the interactive flat panel will rest automatically with no operation in 1 minute. The options contain 1 minute, 5 minutes, 10 minutes, 30 minutes, 60 minutes.



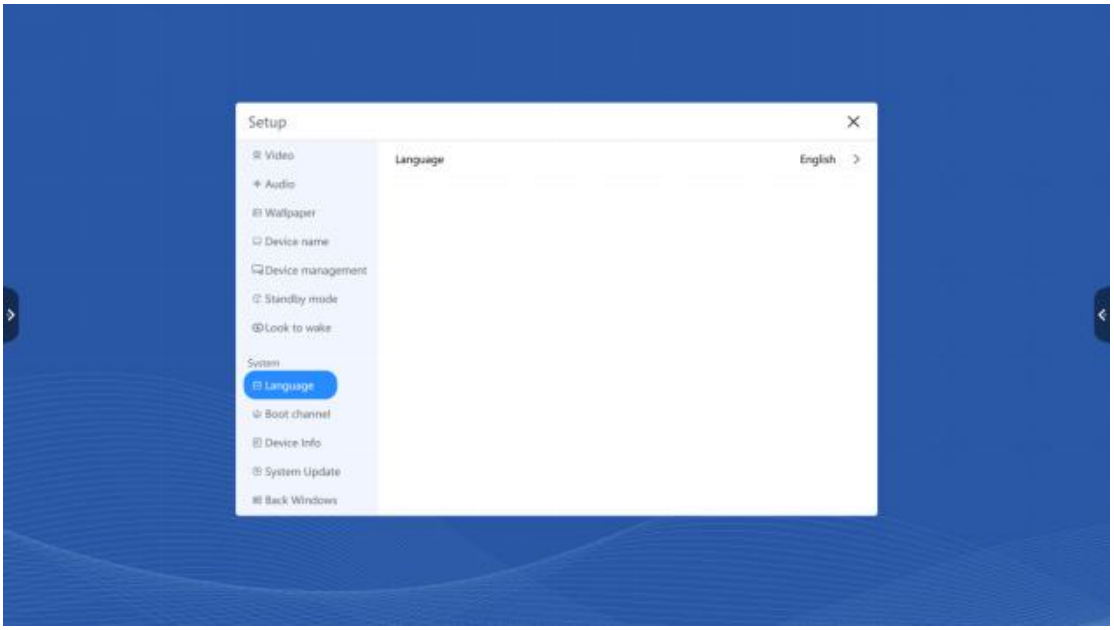
12.2.8.Gaze to awaken

When [Gaze to light the screen] is [On] in the general settings of interactive flat panel, and the interactive flat panel is in the state of [Rest Screen], the interactive flat panel lights up after the user's eyes gaze at the camera for 3s (for a custom time).



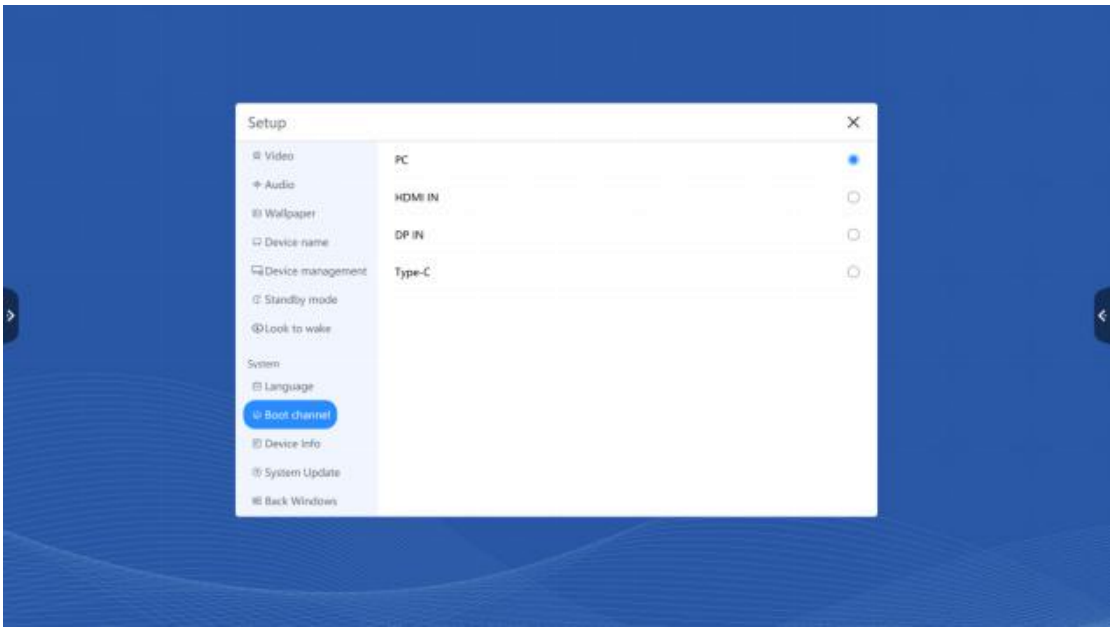
12.3.System

12.3.1.Language



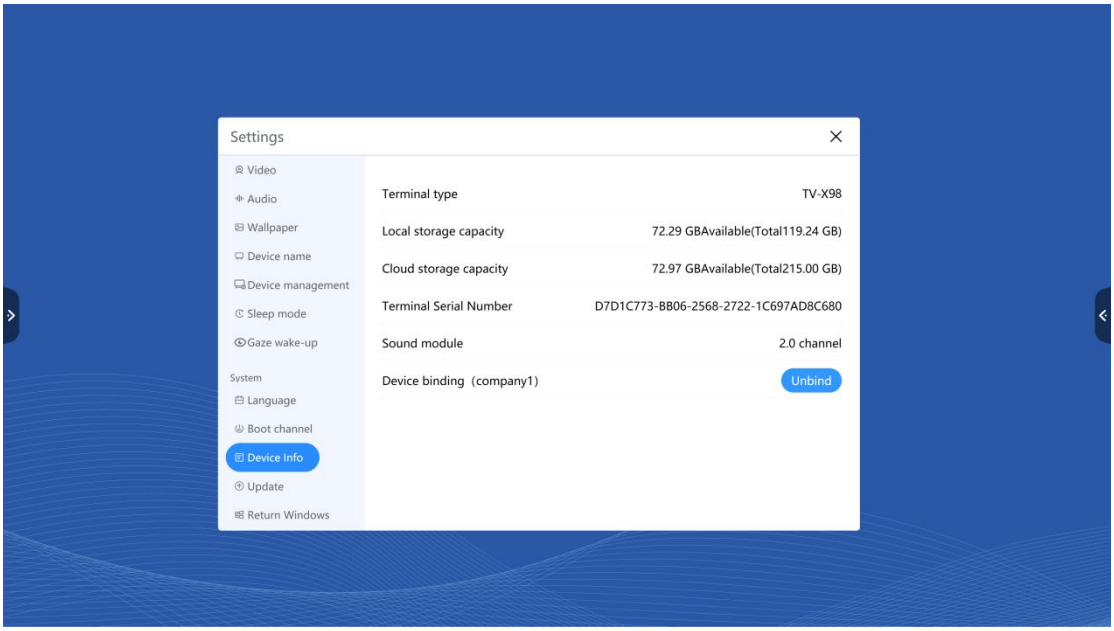
12.3.2.Boot Channel

The boot channel is PC by default. It can be set to HDMI IN, DP IN or Type-C.



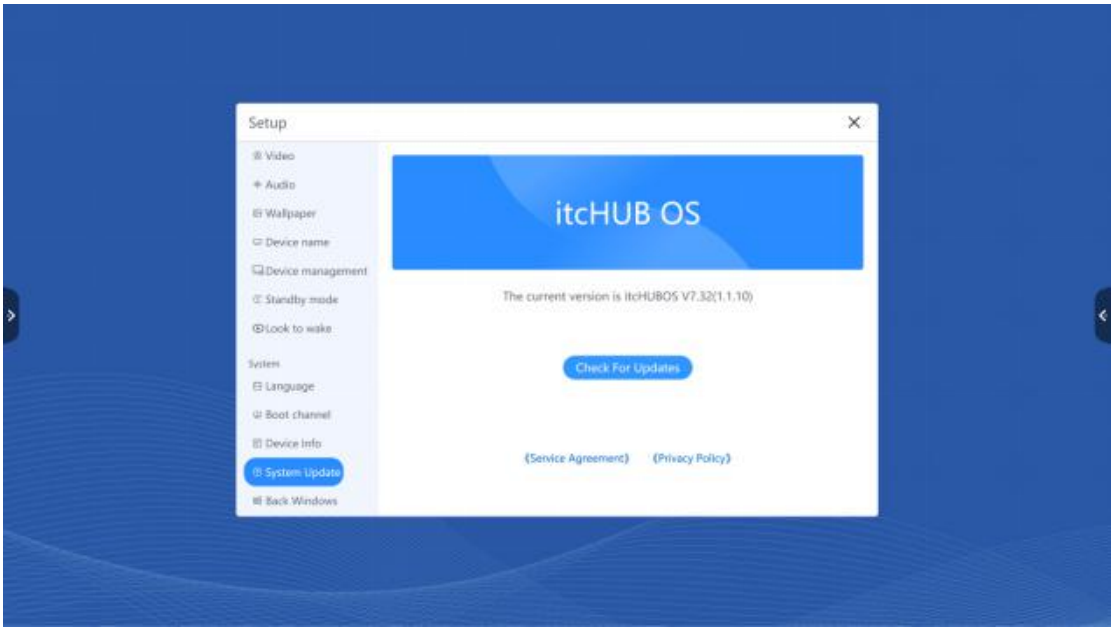
12.3.3.Device Information

You can unbind the device at the device information. Unbinding operation can be performed by entering the password when you are not in the conference, and cannot be performed within the conference.



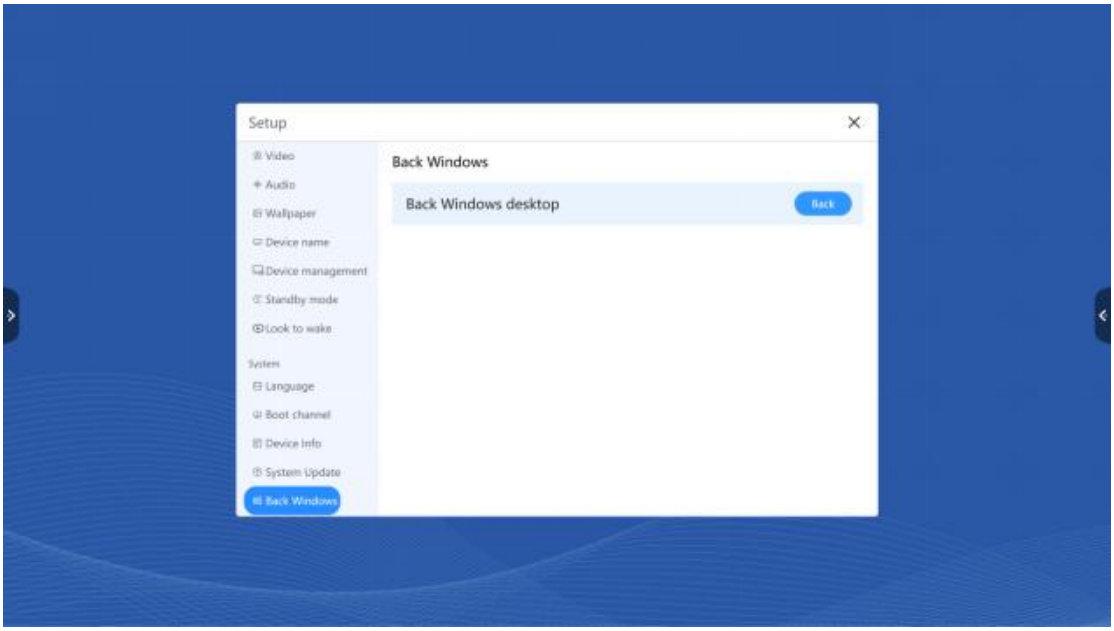
12.3.4.System Update

When there is a new version of the client, there is a red dot to remind the system update. Click to detect the new version will appear to update. If there is no new version, the current version is displayed as the latest version.



12.3.5.Back to Windows

Click Switch to return to the Windows desktop.



13.Screen Projection

13.1.Screen Projection description

Wireless screen projection is divided into two methods, one is screen projector projection and the other is software projection.

➢ Steps for screen projection with screen projector:

① Insert the screen projector into the interactive flat panel for pairing. After successful pairing, pull it out and then access to the USB port on the computer side. Pairing with a computer is required for first-time access..

② Click the button on the top of the screen projector for screen projection (After the first pairing, you can directly access the screen by clicking on it)

➢ Software projection: according to the guide page, scan the code to download the projection software for screen projection.

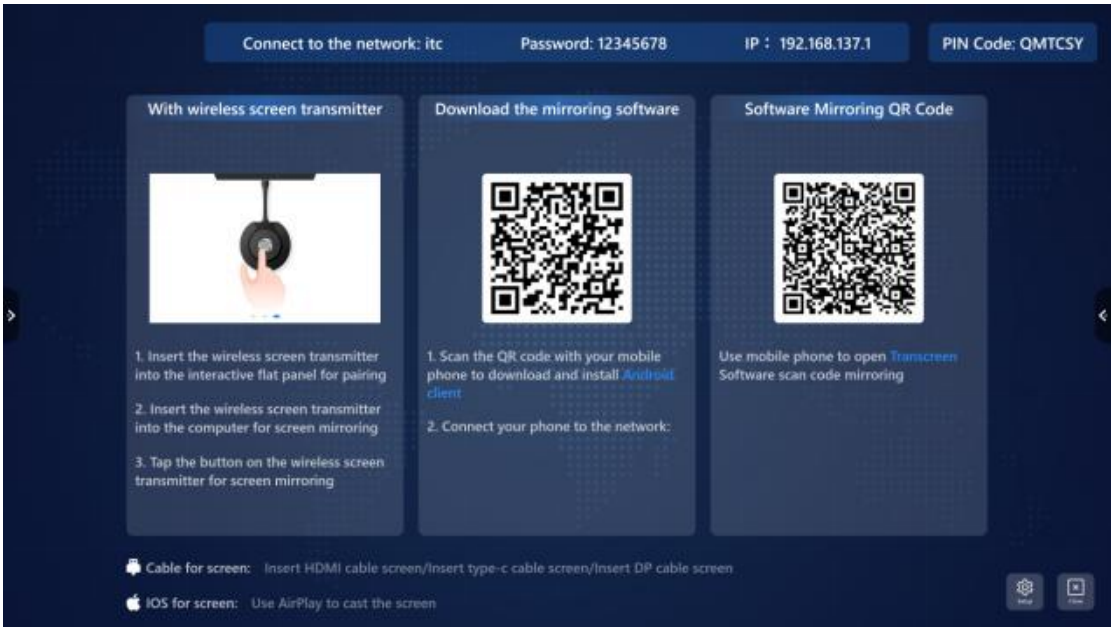
13.2.Screen Projection setting

13.2.1.Network Alert

When Network Alert is turned on, a network alert appears right on top.

13.2.2.Projection Code

When Projection code is turned on, the Projection code prompt appears in the upper right corner of the receiver and the prompt box can be dragged. Note that, before the software projects the screen in any mode, entering the Projection code is required.

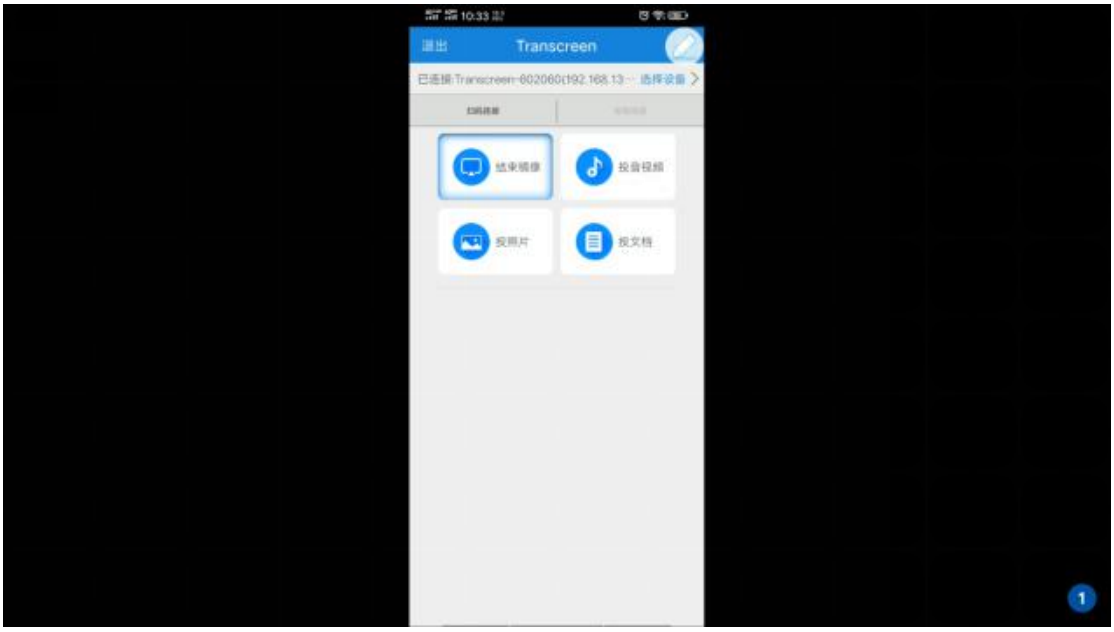


13.2.3.Connection Prompt

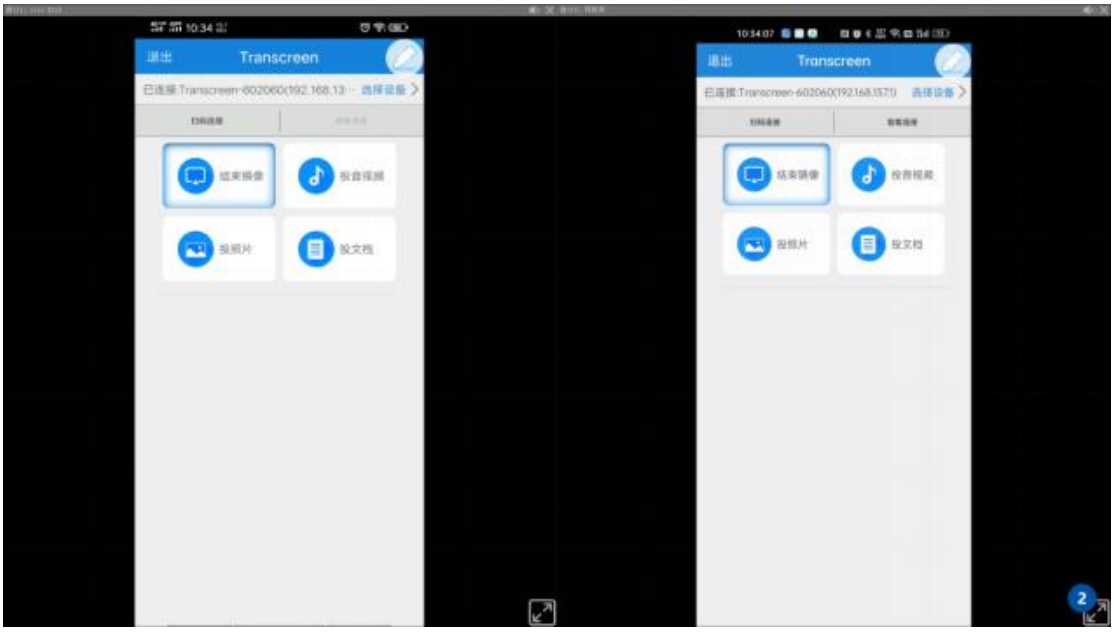
When the connection prompt is turned on, a screen projection device must be connected to the receiver for the screen projection guide ball to appear. When the number of connected devices is 0, the screen projection guide ball will be hidden automatically. Double click to open the guide ball to see the connected devices. Click the connected device name to control the upper and lower screens of connected devices.

13.3.Split screen

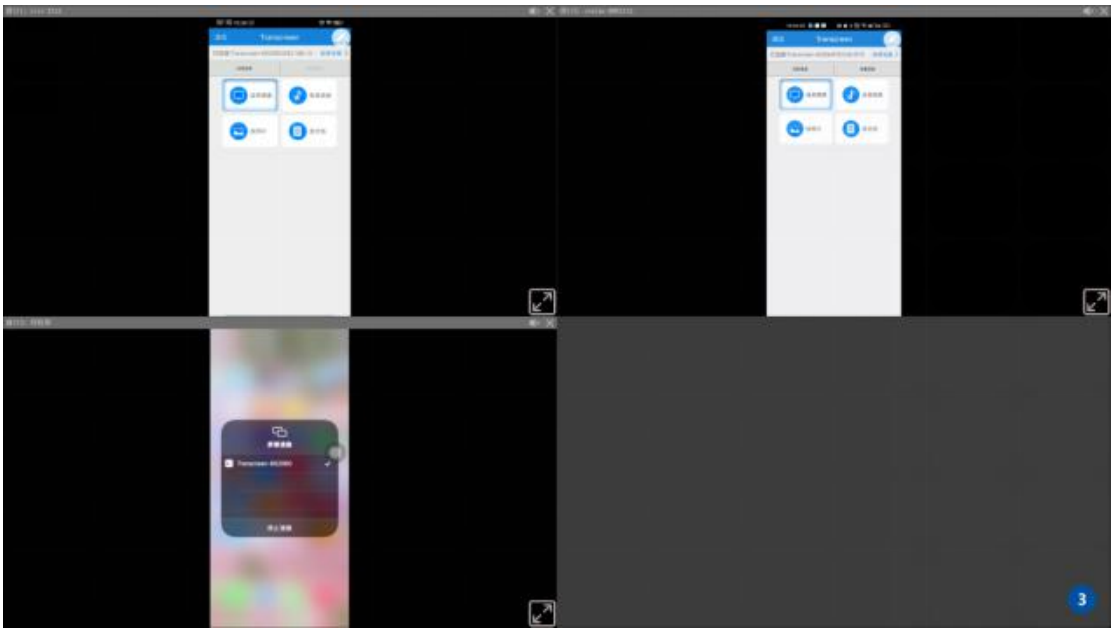
13.3.1.Single-screen display



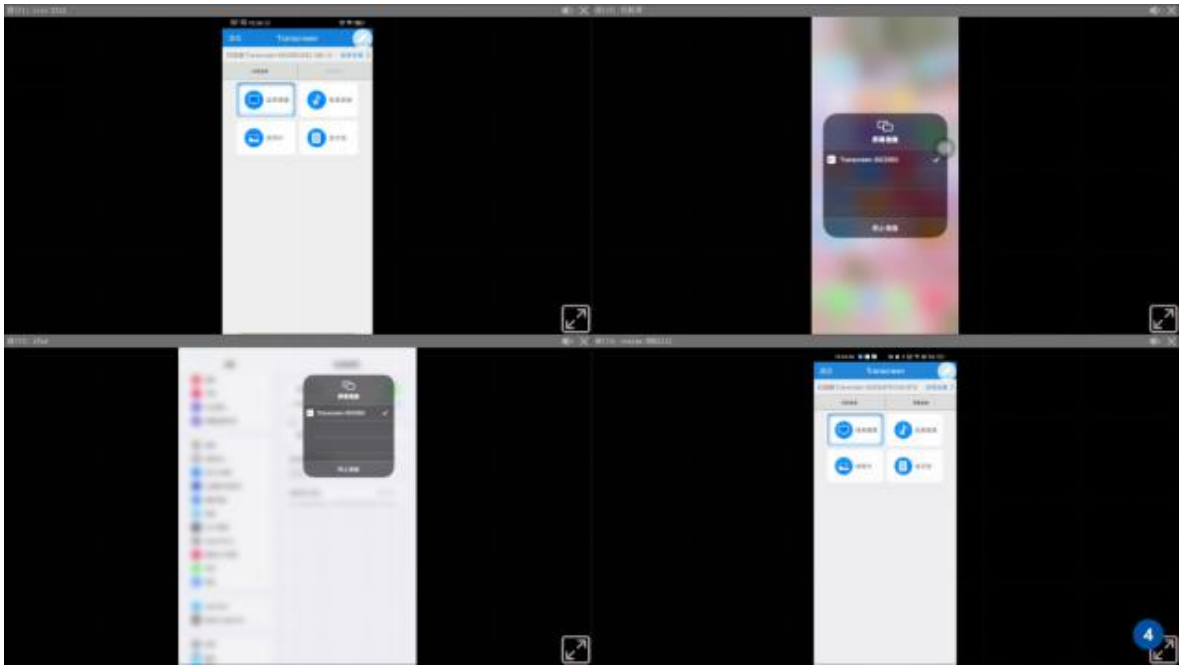
13.3.2.Two-part-separated screen



13.3.3.Three-part-separated screen



13.3.4.Four-part-separated screen



14.FAQ

1. Why does fog appear on the screen frequently?

In order to ensure the safety of the screen, a layer of tempered glass is added to the outside of the screen, and in order to ensure heat dissipation, there must be a certain gap between the two, which is used to reserve air passages for air convection. The main reason for the fog is that there is a temperature difference between the screen temperature and the outside temperature, and the hot air condenses on the lower temperature glass surface to generate water mist. The water mist does not affect normal use. Generally, the mist will slowly evaporate and disappear after several hours of use.

2. Why is the multi-touch function unavailable on some devices?

First of all, the XP system does not support multi-touch. If it is a WIN7 system, no matter the external computer or the built-in computer needs to install the system of Home Premium or above to support multi-touch.

3.The equipped touch pen is limited, what object can replace the touch pen for flexible writing without scratching the screen?

Fingers can be temporarily used instead of writing, and if necessary, they can also be purchased through sales or by calling our national service hotline.

4.Is it normal for the screen to feel overheated after using it for a period of time? Any bad influence?

It is normal for the screen to heat up, just like the TV at home, and there will be no adverse effects. At present, the heat dissipation design of our whole machine is leading in the industry, is the industry standard setter, and complies with international health standards.

5.Will long-term use damage the eyes?

The human eye recognizes flicker at 50Hz, and the human eye can detect it below 50Hz. The eye muscles are constantly adjusting to adapt to the flicker and cause eye fatigue. We use 6OHz and 120Hz LCD screens, so human eyes can't actually feel the flicker of our screen, which can greatly reduce eye fatigue compared with other similar products.

15.Troubleshooting

Abnormal start-up

1. Automatic shutdown

① Check whether the timer shutdown or sleep function is turned on;

② Check the channel where the input source is located, if there is no signal, it will cause automatic shutdown;

③ Check the stability of the power supply.

2. The indicator light is off

① Check whether the power supply is normal;

② Check whether the rocker switch of the conference panel is turned on.

3. The indicator light is red and cannot be turned on

① Please unplug all external connecting wires, and restart the machine after 15 minutes of power failure.

Abnormal computer function

1. The image lacks color and the color is abnormal

① If you use an external computer, check whether the wire is not connected properly or there is a quality problem.

2. The display screen is not full of screen or out of range

① If you use an external computer, adjust the AUTO switch in the lower right corner when plugging and unplugging the connecting wire.

Abnormal sound function

1. The device display is normal but there is no sound

① Please try to adjust the volume;

② If the conference panel is connected to an external computer, check whether the audio cable is connected correctly.

Abnormal touch function

1. Inaccurate touch positioning

① Check whether the touch pen or finger touches the screen vertically at 90 degrees;

② Check whether there are other items touching the screen, such as small notes and sleeves.

2. The touch function is invalid

① If the conference panel uses an external computer, check whether the external touch line is connected correctly.

16.Maintenance

Correct maintenance and maintenance can avoid some simple failures;

Regular and careful cleaning can keep the machine in good appearance and operating condition;

Please unplug the power plug before cleaning and maintenance to prevent electric shock.

Screen clean

1. Please mix a little fabric softener or detergent with warm water and stir evenly;

2. Please use a soft cloth to completely soak in this mixture;

3. Please wring out the soft cloth and wipe the screen of the whole machine;

4. Wipe repeatedly (be careful not to let water drop into the device when wiping the device) to complete the cleaning steps.

Frame clean

Please wipe with a dry, soft, lint-free fabric or towel.

Placing or not using the device for a long time

When placing or not using the device for a long time, please be sure to unplug the plug and cut off the power supply to prevent damage to the device due to external power fluctuations such as lightning.

Intelligent Interactive Flat Panel

Ver 0.1