

# **Interactive Whiteboard Software**

# Contents

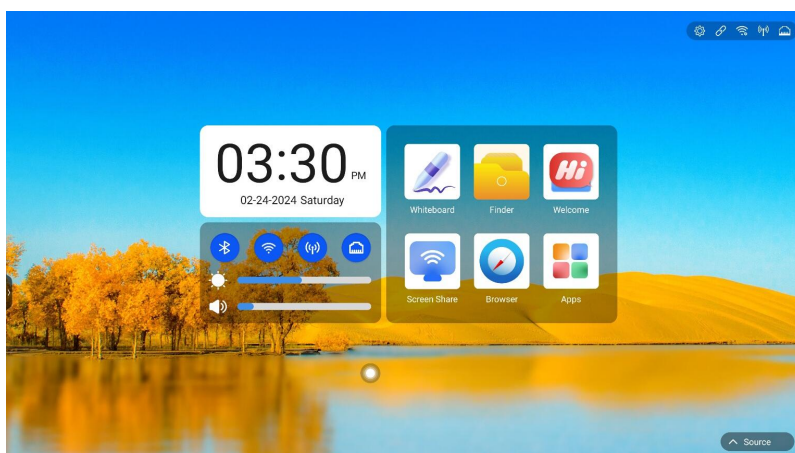
<b>Chapter 1: Main Interface .....</b>	<b>4</b>
1.1 Standard Version .....	4
1.2 Theme .....	4
<b>Chapter 2: Smart Whiteboard .....</b>	<b>5</b>
2.1 Whiteboard .....	5
2.1.1 Brush .....	5
2.1.2 Eraser .....	6
2.1.4 Insert .....	6
2.1.5 Tools .....	9
2.2 Canvas .....	14
2.3 Settings .....	14
2.3.1 Writing Settings .....	15
2.3.2 Background Settings .....	17
2.3.3 About .....	17
2.3.4 Software Settings .....	18
2.3.5 Touch settings .....	19
2.4 Others .....	20
2.4.1 Save file .....	20
2.4.2 Scan the code to share .....	21
<b>Chapter 3: Document Presentation .....</b>	<b>21</b>
3.1 Local/USB .....	21
3.2 Cloud drive .....	24
<b>Chapter 4: Wireless Screen Mirroring .....</b>	<b>25</b>
4.1 Main interface .....	26
4.2 Wireless screen mirroring .....	26
<b>Chapter 5: Settings .....</b>	<b>27</b>
5.1 Network .....	28
5.1.1 Ethernet .....	28
5.1.2 WiFi .....	28
5.1.3 Hotspot .....	29
5.1.4 Bluetooth .....	30
5.2 General .....	30
5.2.1 Personal settings .....	30
5.2.2 Signal source .....	31
5.2.3 Device .....	32

5.2.4 Sound and display .....	32
5.3 System .....	33
5.3.1 Security lock .....	33
5.3.2 Standby .....	33
5.3.3 Schedules .....	34
5.3.4 Time and date .....	34
5.3.5 Language and input method .....	35
5.3.6 Reset .....	35
5.3.7 About .....	36
<b>Chapter 6: Others .....</b>	<b>36</b>
6.1 Welcome templates .....	36
6.2 App store .....	错误！未定义书签。
6.3 Media player .....	37
6.4 Sidebar .....	37
6.5 Assistive touch .....	39
6.6 Background connection settings .....	41
6.7 OTA upgrade .....	41
6.7.1 Online upgrade .....	41
6.7.2 ZIP upgrade .....	42
6.7.3 Software upgrade .....	42
6.7.3 Firmware upgrade .....	42
6.8 Input source connection .....	错误！未定义书签。
6.8.1 Auto-redirect .....	错误！未定义书签。
6.8.2 Pop-up notification .....	错误！未定义书签。
6.9 Tools .....	43
6.9.1 Screen recording .....	43
6.9.2 Freeze screen .....	43
6.9.3 Split screen .....	44
6.9.5 Touch lock .....	44
6.9.6 Sticky notes .....	45

# Chapter 1: Main Interface

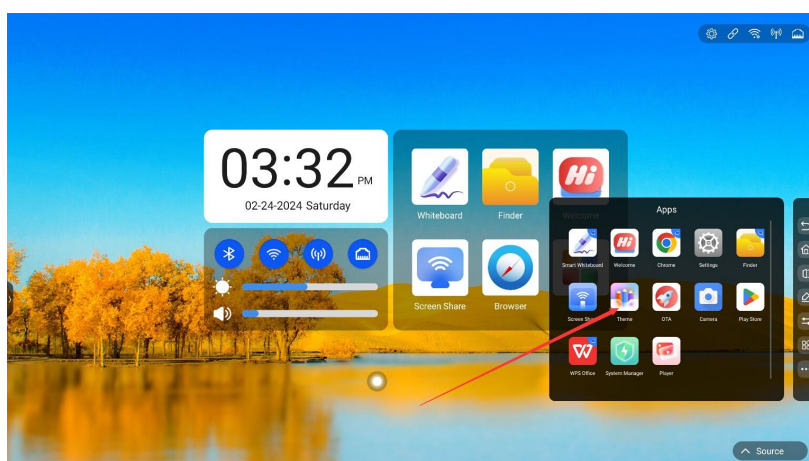
## 1.1 Standard Version

The main interface of the standard version includes: Smart Whiteboard, Document Presentation, Welcome Template, Wireless Screen Mirroring and Browser. Click on the function boxes in the top right and bottom right corners to use the corresponding functions.

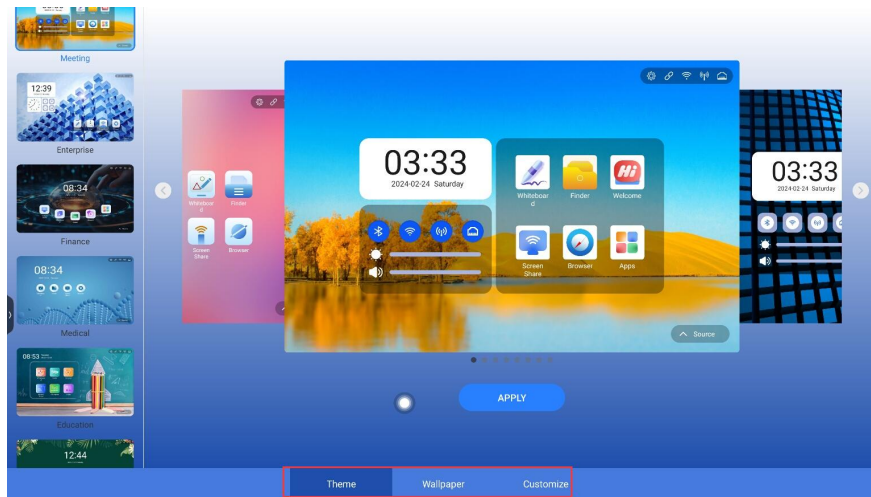


## 1.2 Theme

Click on "Apps--Theme" in the sidebar



Themes include: financial, medical, education, corporate, conference, dynamic and other modules, you can change the wallpaper and support customization.



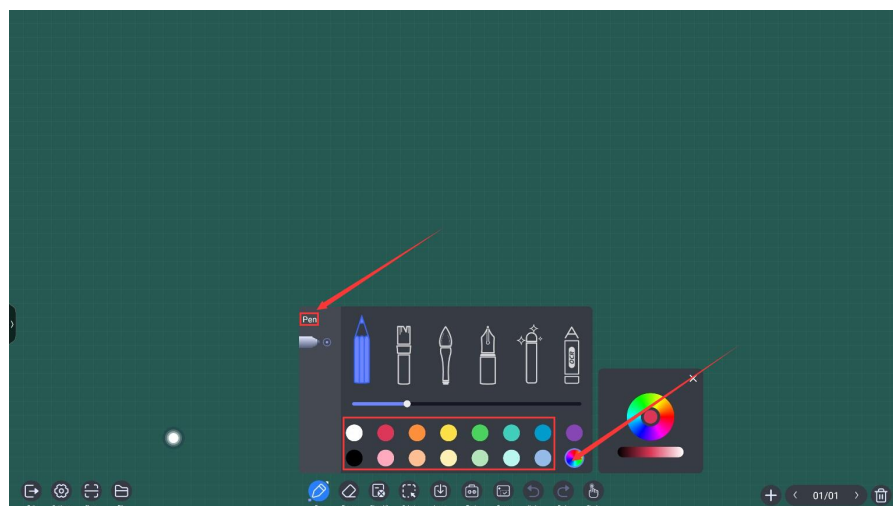
## Chapter 2: Smart Whiteboard

### 2.1 Whiteboard

Click on main interface to enter the “Smart Whiteboard” and enter the Whiteboard interface. The Whiteboard toolbar is located just below the Whiteboard interface.

#### 2.1.1 Brush

Click on “Brush” to change the brush color and thickness. Long press the color area of the color wheel (square box area) and will pop-up custom color wheel. Click the wheel to customize the color of the square area. (The updated brush color palette will be synchronized to the annotation.) Long press the word "Pen" can trigger the opening and hiding of the brush and pen functions.

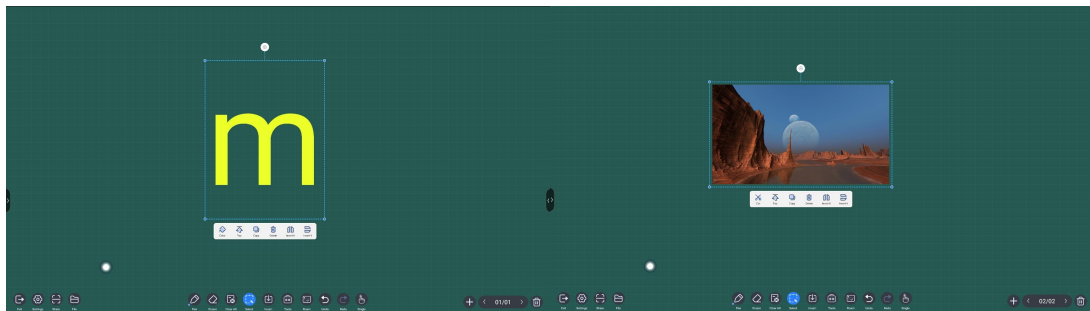


## 2.1.2 Eraser

There are four ways to trigger the Eraser: 1. Click on “Erase” button to use it directly 2. Click on “Circle eraser” button to use it 3. Click on “Clear” button to clear the full screen 4. By customizing the touch area, you can directly call out the eraser to use.

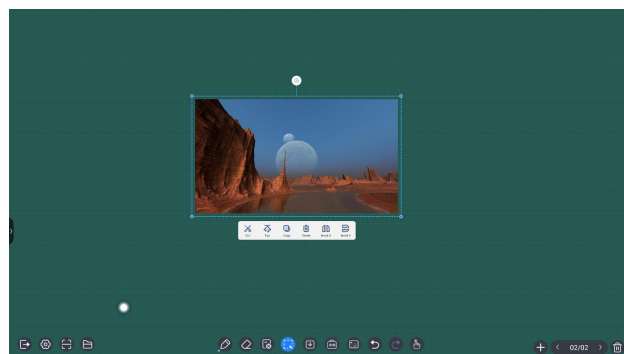
## 2.1.3 Marquee selection

Select the place you need to deal with, drag the four corners to zoom in and out, and you can complete the corresponding operation according to the pop-up below.

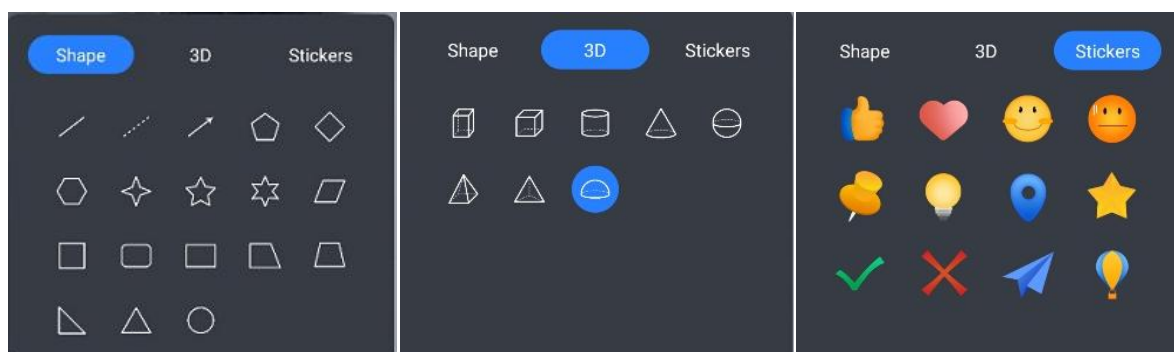


## 2.1.4 Insert

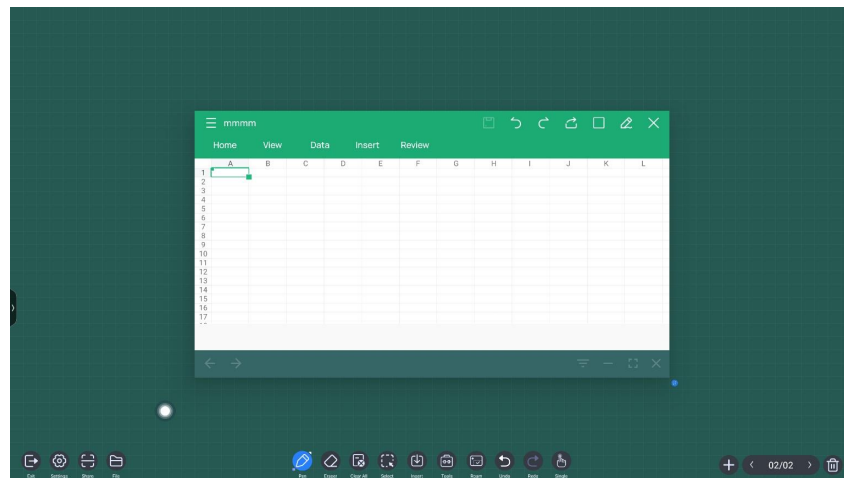
Click on "Insert - Image" to search for contents in the File manager.



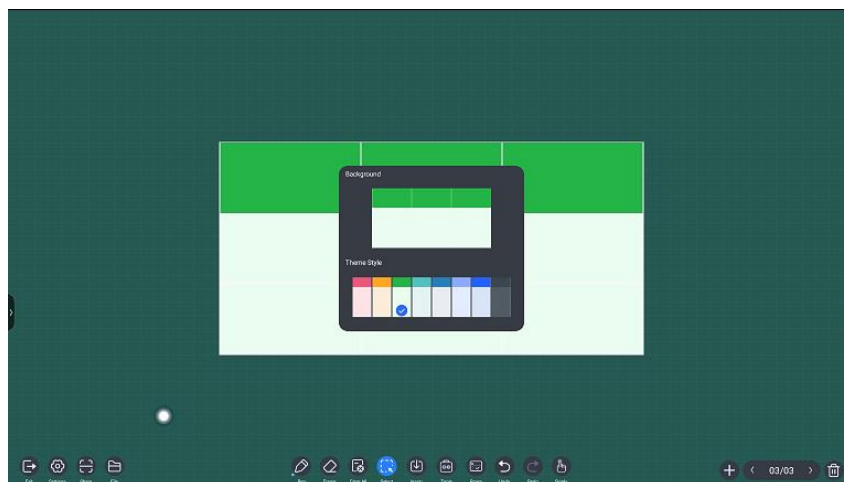
Click on "Insert - Shape" to insert shapes, 3D graphics, and stickers into the whiteboard.



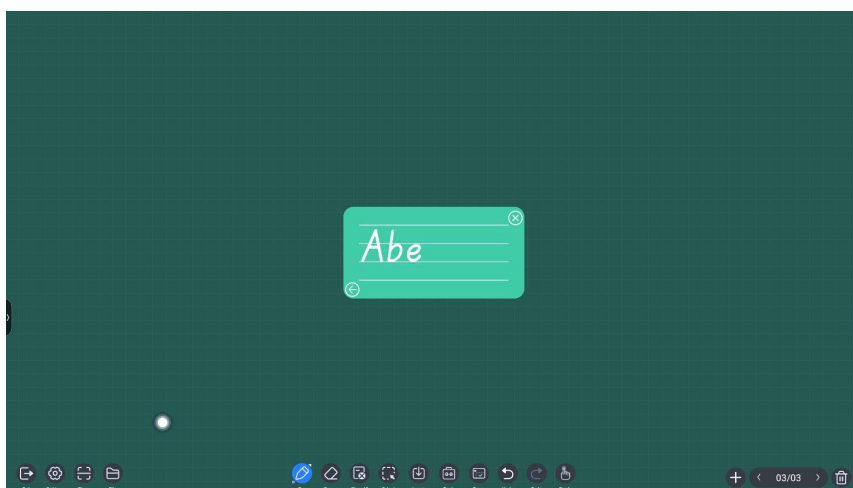
Click on "Insert - Document"



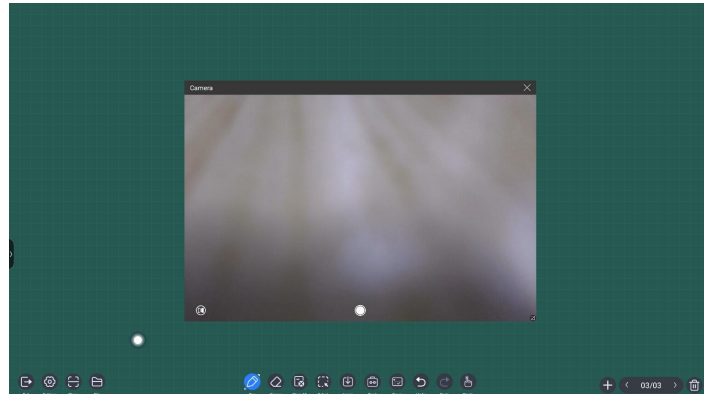
Click on "Insert - Table", the whiteboard supports inserting tables and changing colors.



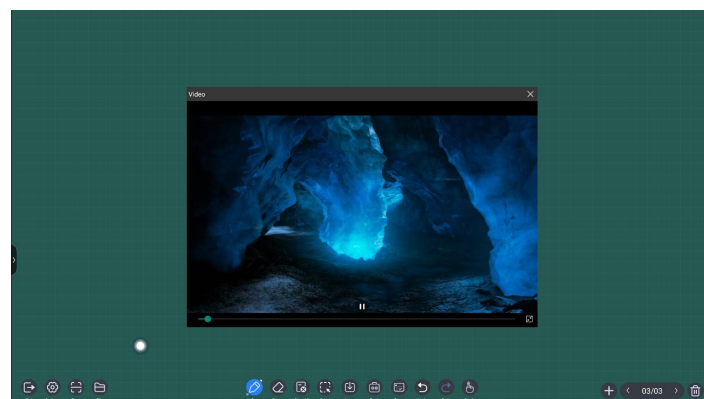
Click on "Insert - Letter" to insert letters in the whiteboard.



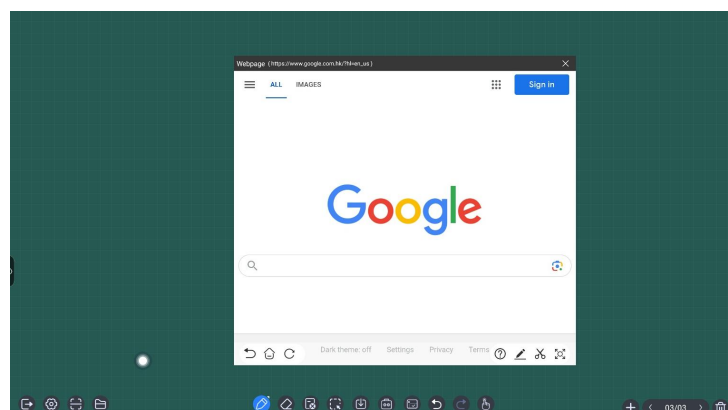
Click on "Insert - Camera" to insert a camera and directly capture photos in the whiteboard. You can also upload photos directly into the whiteboard. The camera angle can be adjusted as well.



Click on "Insert - Video" to support inserting videos for viewing in the whiteboard, but doesn't support video saving.



Click on "Insert - Web page" to insert a web page in the whiteboard. It supports basic web page functions.

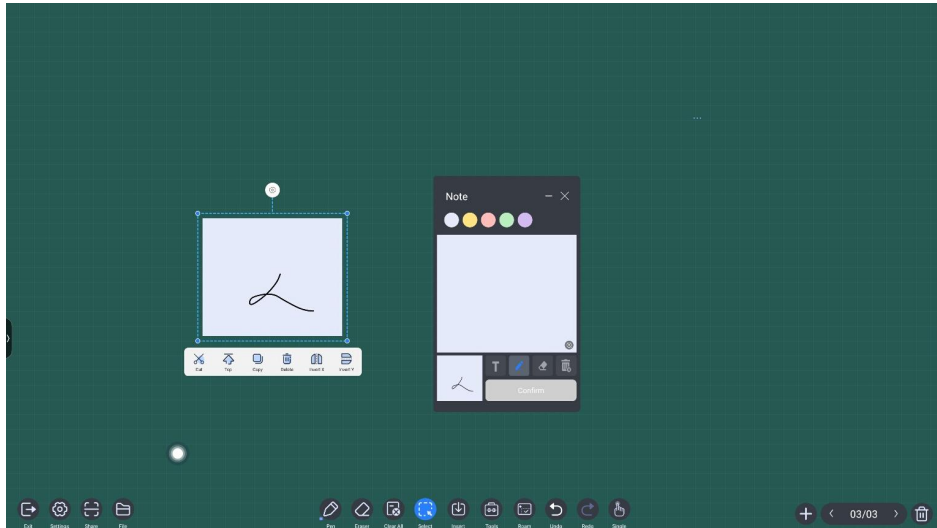




## 2.1.5 Tools

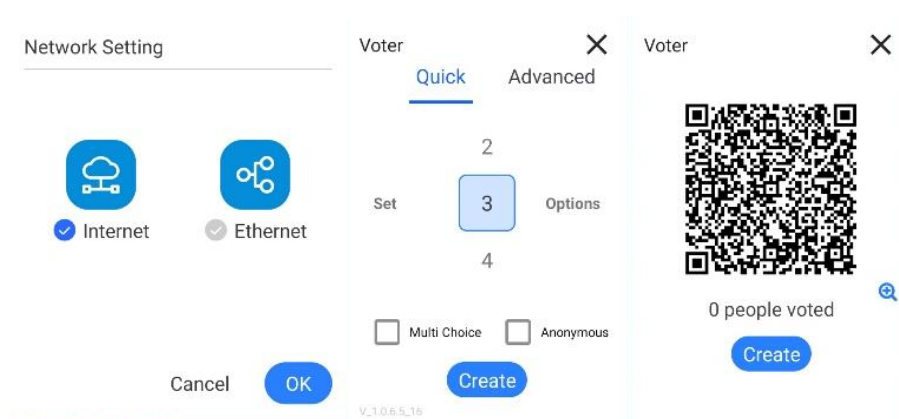
- Sticky notes

Click on "Tools - Sticky note" to support basic editing, writing, cleaning, and changing the background color of the sticky note.



- Voting

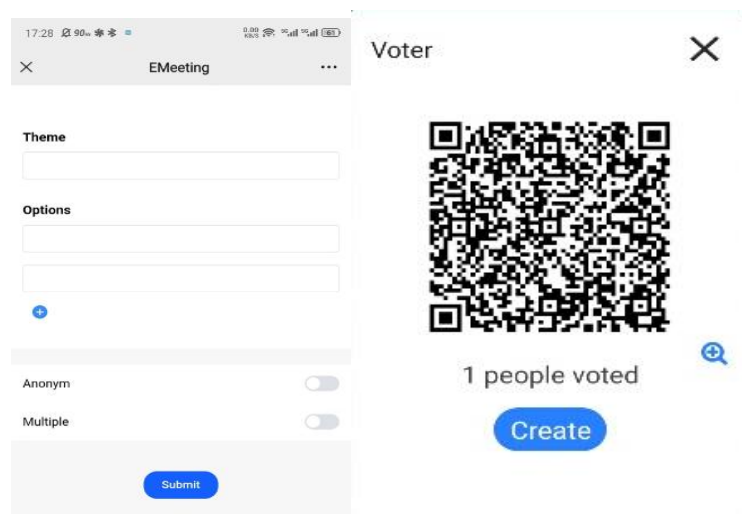
Click on "Tools - Voting," two voting modes will appear: Server mode and Local server mode. Under each mode, there are two voting methods available. The Voting can only be used within the local network when the device's server connection is within the LAN!



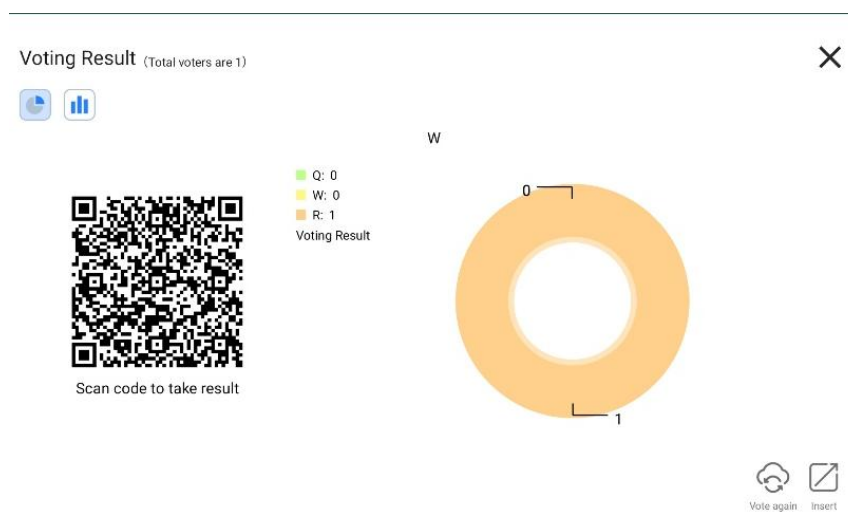
1. In Quick mode, you only need to select the corresponding number of options and participation method, click on "Submit", and then scan the QR code to complete the voting process.

2. In Manual mode, you can scan the QR code to set options and participation methods. After making your selections, click “Submit”, and then scan the QR code to complete the voting process.

The first scan of the QR code, you can set the voting question and options. After scanning the QR code, you can participate in the voting. The real-time display will show the number of people who have voted.

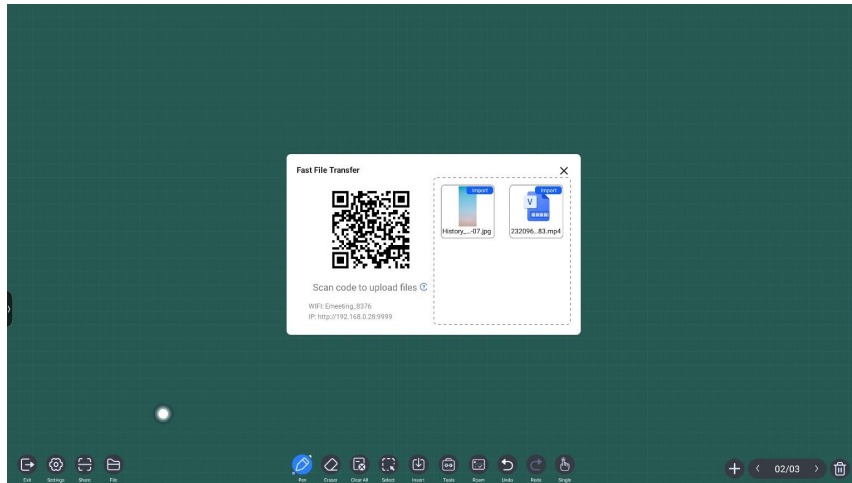


Click on "Voting Result" will display the data in the form of a graph. In the top right corner, you can toggle between bar chart and pie chart.

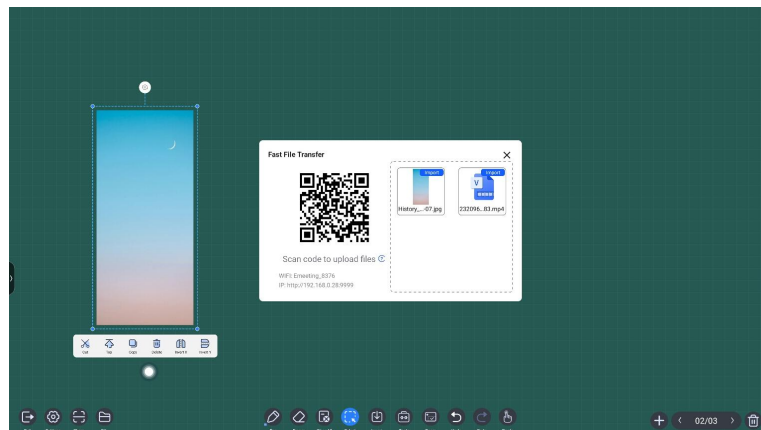


- Flash transfer

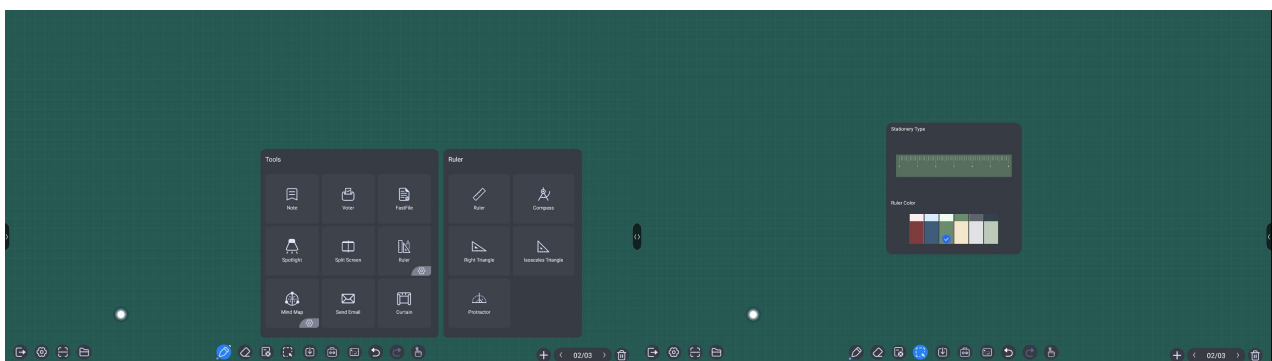
Click on "Tools - Flash transfer" to display a QR code. Scan the QR code with your phone to upload content (such as images, videos, and documents).



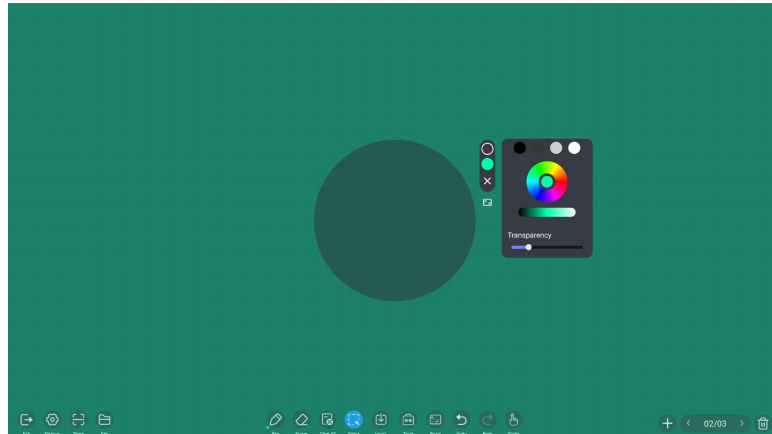
- Click on "Upload to whiteboard" button on the content to import it into the whiteboard. Files uploaded via "Flash transfer" are saved directly to my cloud drive.



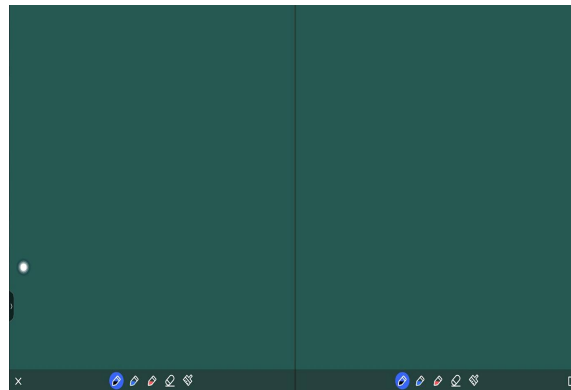
- Insert various stationery items for use on the whiteboard .



- You can use a spotlight in the whiteboard, which allows you to adjust its size, color and shape.



- In the whiteboard, click on "Split screen" to enter split screen mode. You can adjust the colors of the split screen panels and brushes, and it also supports whiteboard upload.



- Mind map

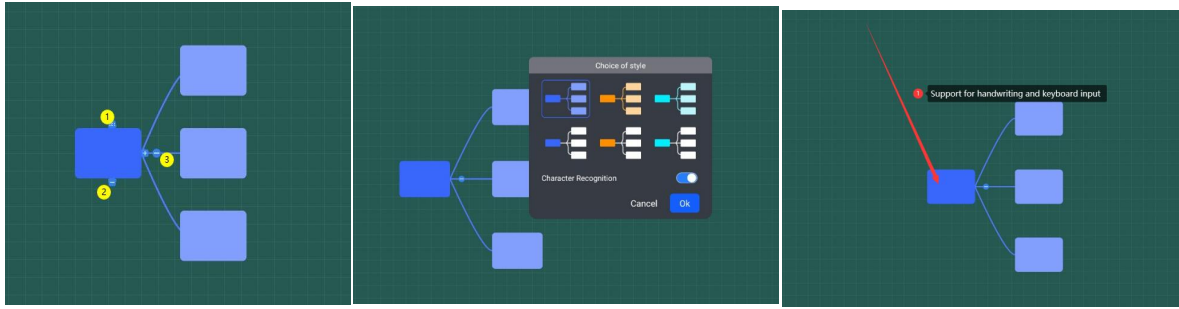
You can insert the "Mind map" to whiteboard to facilitate mind organization and brainstorming. It functions similarly to a mind mapping tool, allowing you to add, delete, and modify nodes.

“①” is the editing function, which allows you to edit the title of the current node.

“②” is the delete function, which allows you to delete the current node and its child nodes.

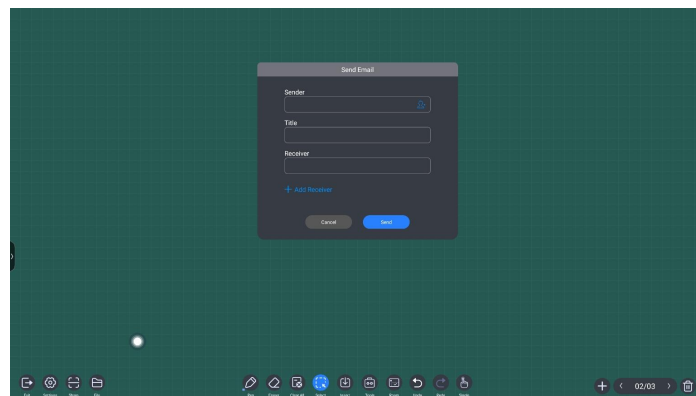
“③” is the add function, which allows you to add a child node after the current node.

Click on “Settings” button in the bottom right corner of the mind map allows you to choose the style of the mind map. The mind map supports text recognition and keyboard input.



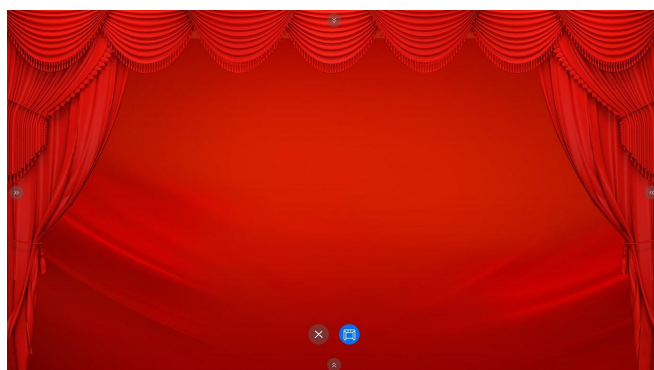
- Email

When you need to share a Whiteboard file via email, you can use this function. After entering the correct email address, you can perform the sharing operation. The whiteboard file will be sent as a photo.



- Mubu

You can insert Mubu function into the whiteboard and use it to support various types of Mubu documents.

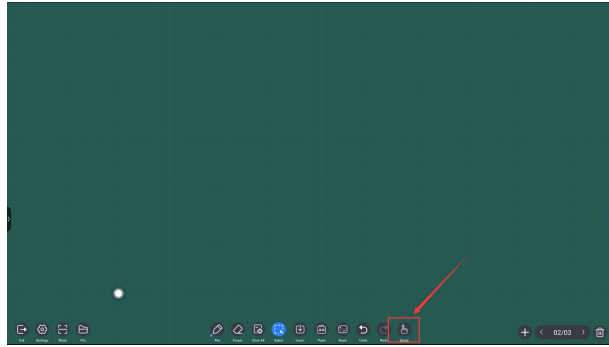


- Undo and redo (up to 20 steps)

Undo: You can undo the writing and insertion operations on the whiteboard.

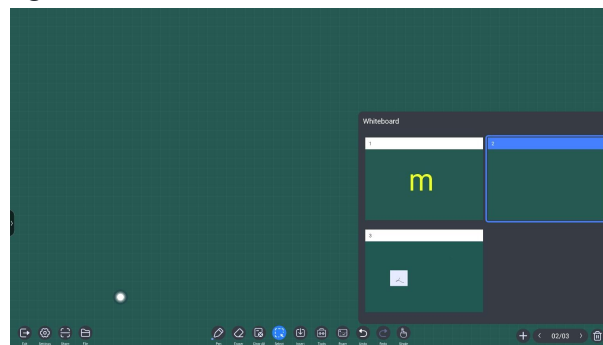
Redo: You can redo the undo and delete actions on the whiteboard.

- Single and double finger writing quick switch.



## 2.2 Canvas

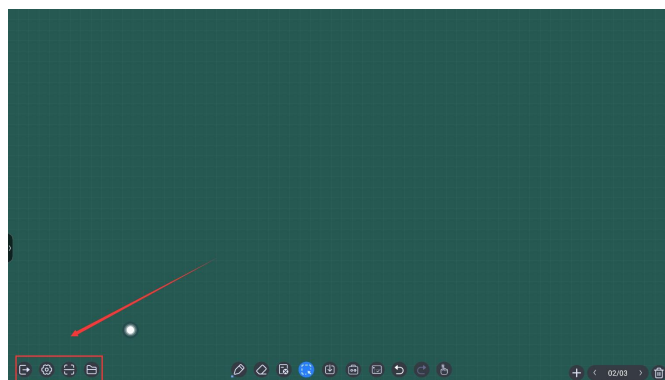
Click on the bottom right corner to interact with the canvas.



- Add canvas: Click the Add icon to add new canvas.
- Delete canvas: Click the Delete icon to delete the current canvas.
- Change canvas: Click the previous or next page to change canvases. You can also directly click on the page number, which will display canvas thumbnails, and then select a specific canvas to switch to.

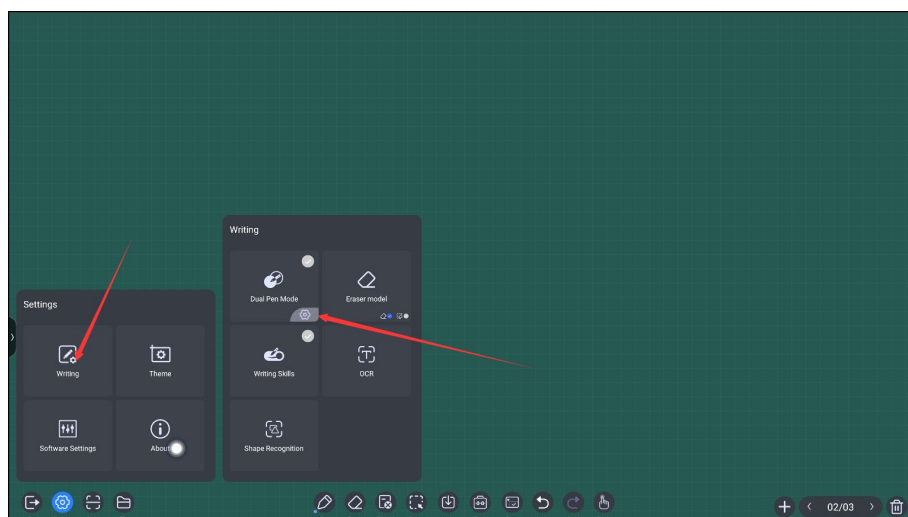
## 2.3 Settings

As shown below, operate in the lower left corner of the whiteboard interface.

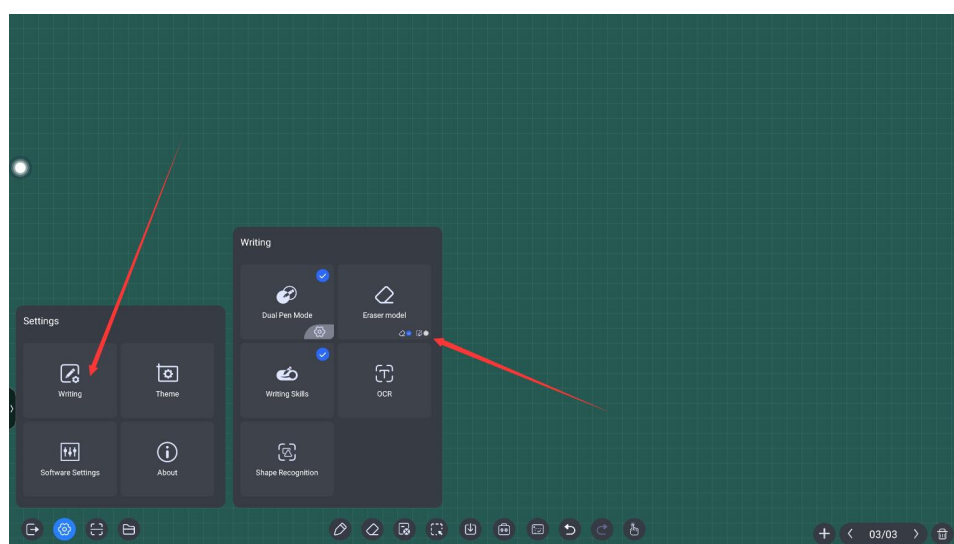


## 2.3.1 Writing settings

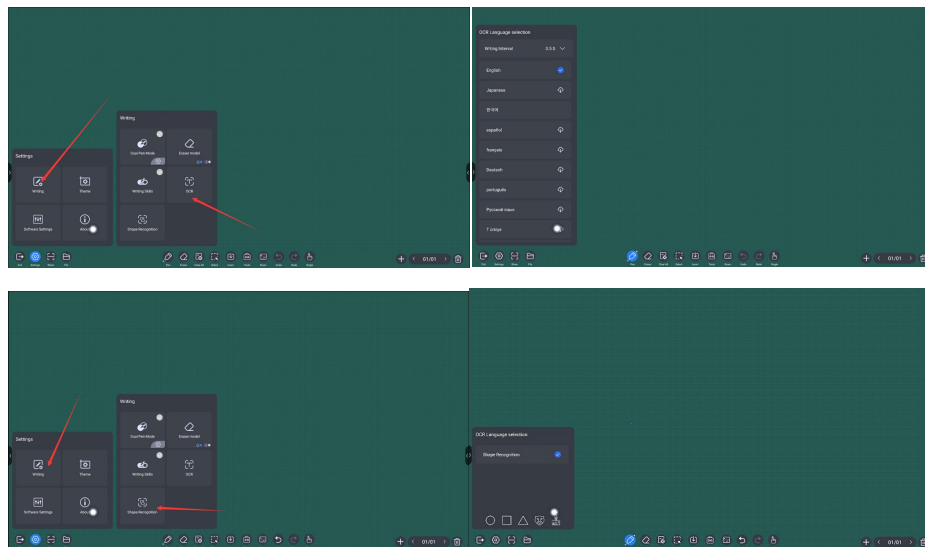
- Dual-color pen writing: After opening the dual-color pen, select the brush and set colors for the thick and thin pens respectively. Then, you can write with different colors using the thick and thin pens. Clicking on the bottom right corner of the dual-color pen to adjust the sensitivity of the thick and thin pen recognition.



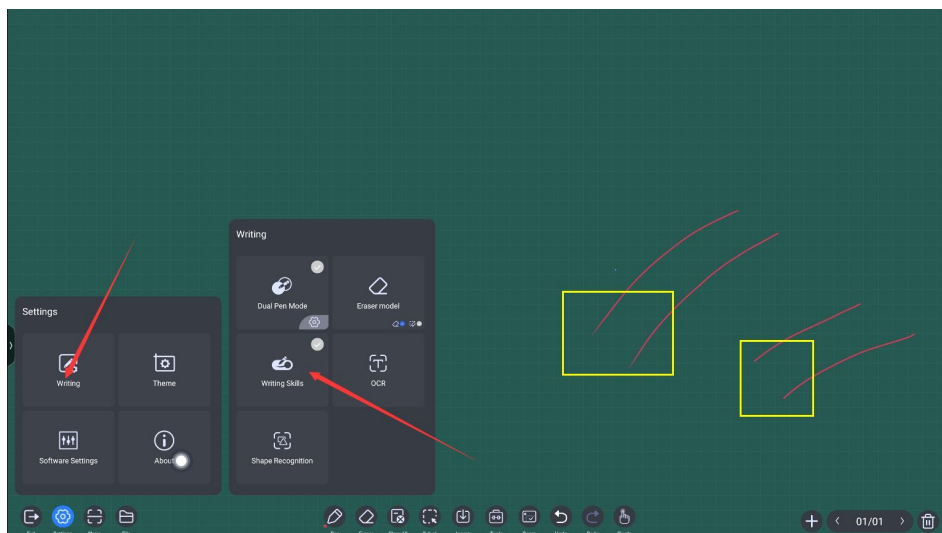
- After turning on the OCR, you can set different recognition languages. Translate the corresponding text based on the language and you need to enter the settings of the OCR to download the language you want to translate.



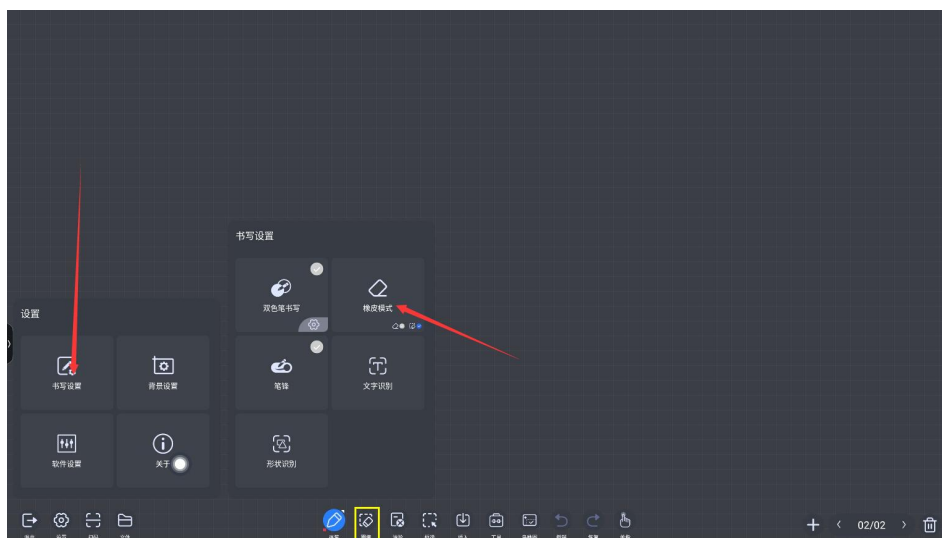
- Different recognition languages can be set. The corresponding text is translated according to the language. English and Chinese recognition and graphic recognition are built-in and the rest need to be downloaded by yourself.



- Pen pressure: It can control the presence of pen pressure

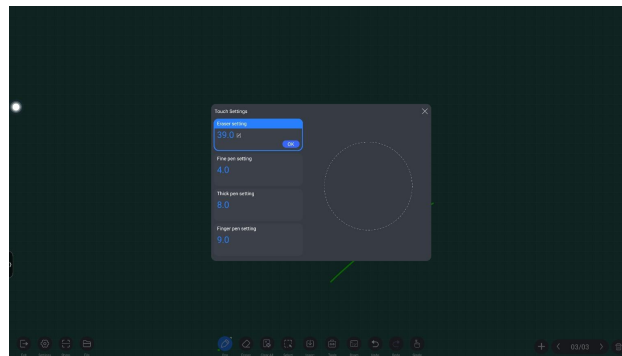


- Eraser mode: Select circle eraser or eraser mode for use.



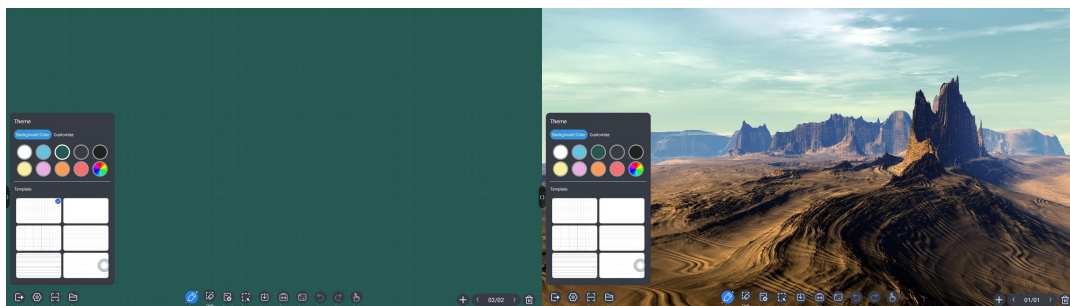


- Dual-color pen settings: Different touch screens have different sensitivities, may result in inaccurate thickness calculation for the dual-color pen. It is necessary to click on the dual-color pen settings as instructed and draw circles within the popup circle corresponding to the desired thickness of the pen tip. It also supports manual input settings for fine adjustments.



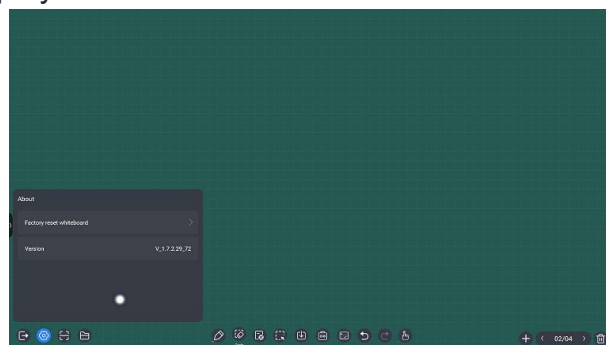
### 2.3.2 Background settings

You can choose the background color and background grid yourself, or you can customize the background. For custom backgrounds, the image must be above 2K resolution.



### 2.3.3 About

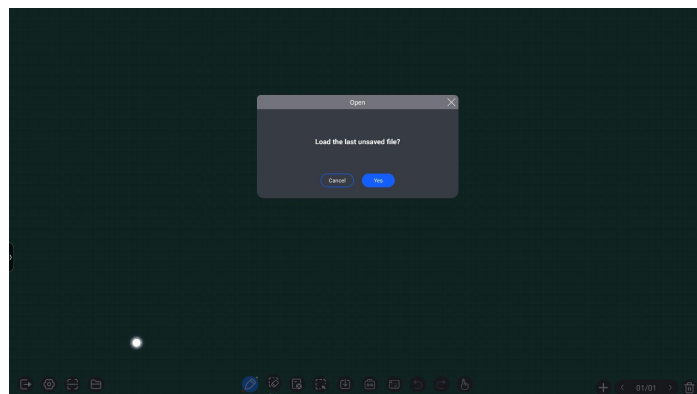
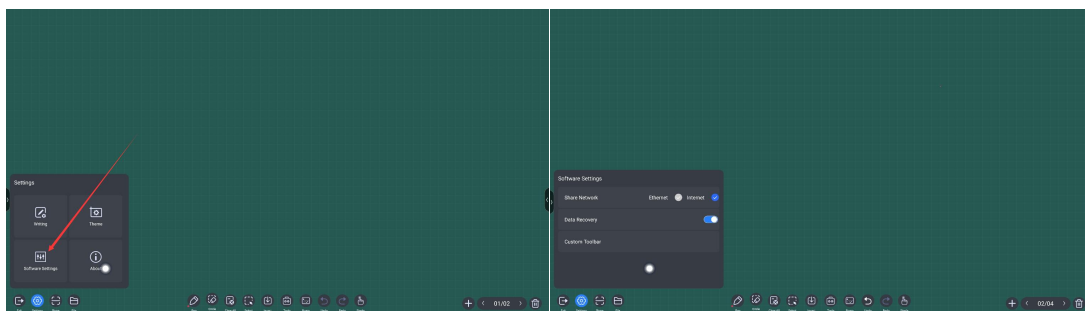
Click on "About" will display the current version information of the whiteboard.



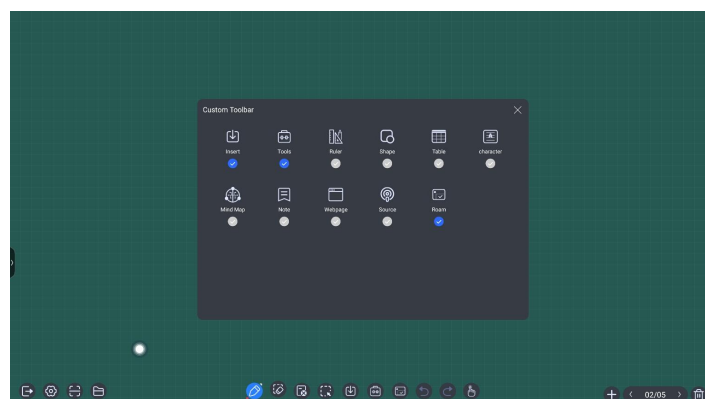
## 2.3.4 Software settings

- After clicking on “Software settings”, you will enter the adjustment settings for the internal and external networks. If it is set to an external network, anyone on a network with normal Internet access can scan the QR code to view the whiteboard files; if it is set to an intranet, the whiteboard files can only be viewed when connected to the whiteboard's own hotspot. If it is set to an external network, the email function cannot be used normally. Note, the network used to scan the QR code must also be a local area network.

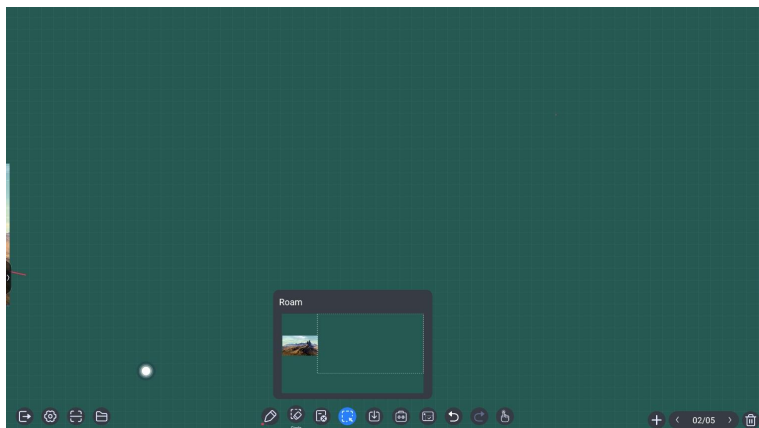
Data recovery: If the whiteboard exits abnormally, the whiteboard file restoration mechanism will be triggered to protect the edited content from being lost.



- Click on "Customize toolbar" option, you can customize the toolbar below the whiteboard. You can insert a maximum of eight tools in the toolbar.

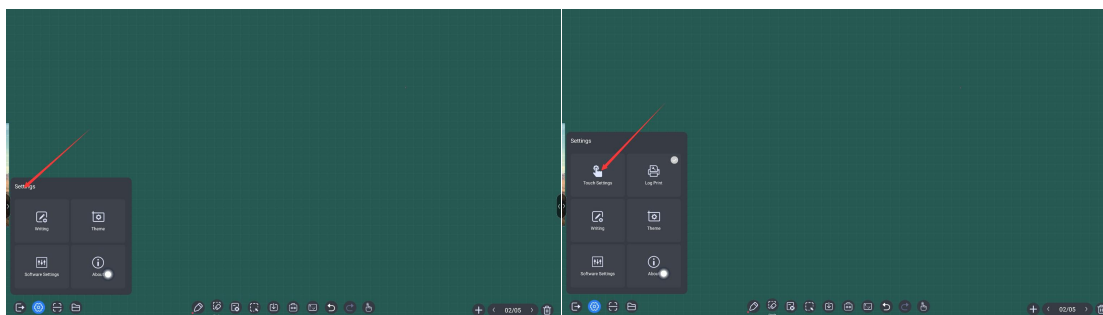


- Bird's-eye View - When notes and materials are dragged outside the screen canvas, you can use this feature to see the hidden notes and materials.

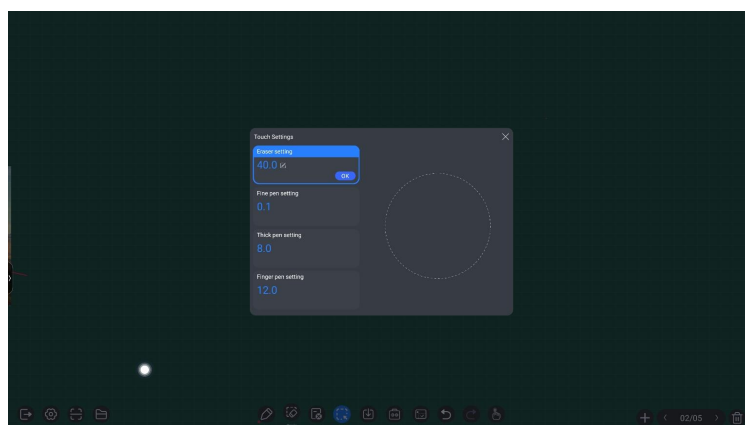


### 2.3.5 Touch settings

Click on "Settings" and perform a long press to reveal hidden settings - Touch settings.



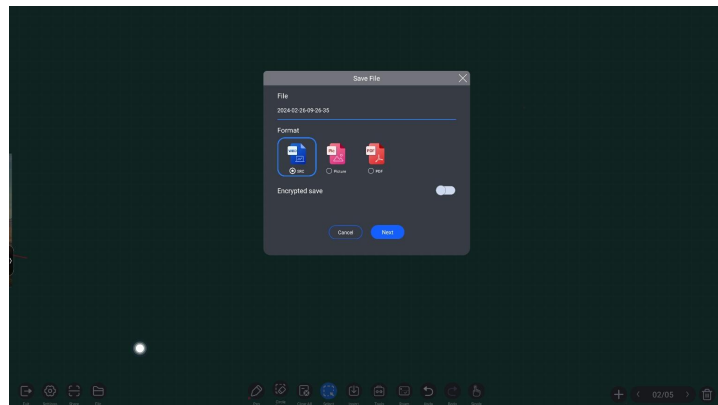
For different touchscreens, some screens may display an eraser icon when you start writing directly on them, you need to go to the touch settings and click on the detection button for the corresponding recognition area, and then place the object to be recognized within the touch area. Once done, click "OK" button to confirm.



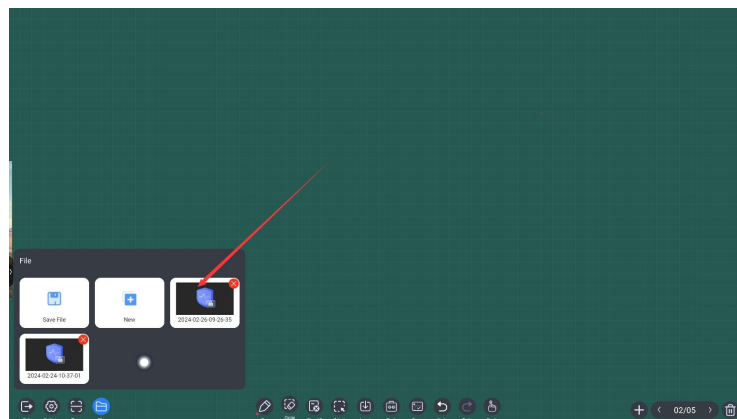
## 2.4 Others

### 2.4.1 Save file

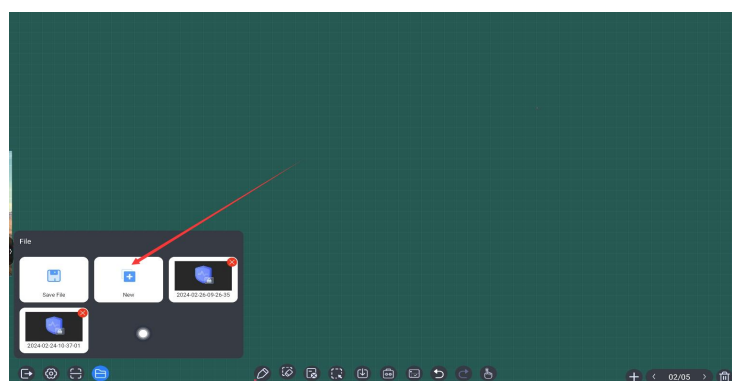
Click on the file icon in the bottom left corner, and a dialog box for saving the file will pop up. Choose the file type you want to save, which can include source files, images, and PDF formats. You can also choose to save it locally or on an external storage device.



In the whiteboard, you can directly open whiteboard files saved locally, and it supports encrypted storage of files



Click on "New whiteboard file" to create a new canvas(resetting the whiteboard to its initial state.)



### 2.4.2 Scan the code to share

Click on "Scan QR Code" button will generate a QR code. After scanning the QR code with WeChat, you will be able to access the whiteboard screen. It supports sharing and forwarding, as well as encryption functionality. Upon opening, a password will be provided at the bottom. You need to enter the correct password to view the content.

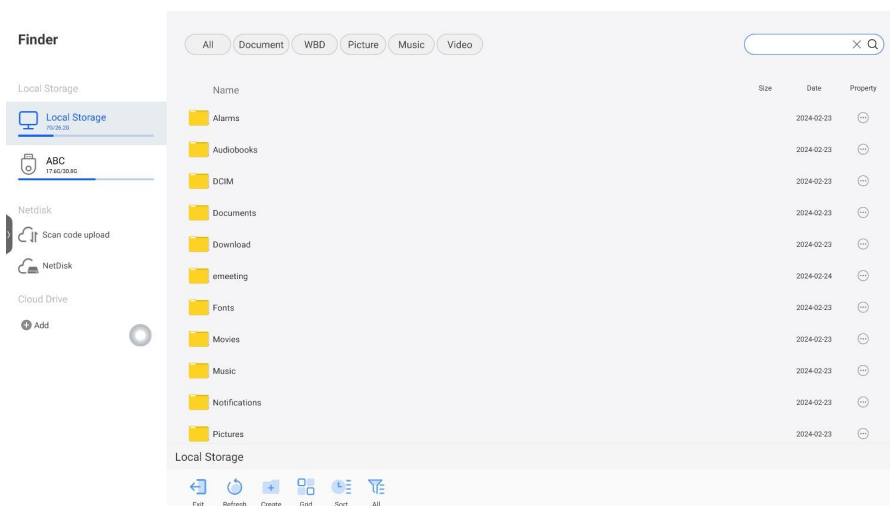


## Chapter 3: Document Presentation

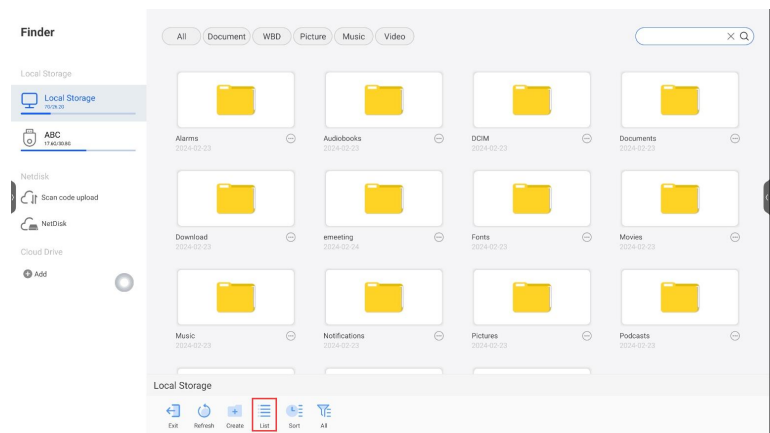
### 3.1 Local

Click on Document in the main interface to view local files, cloud storage and cloud disk files.

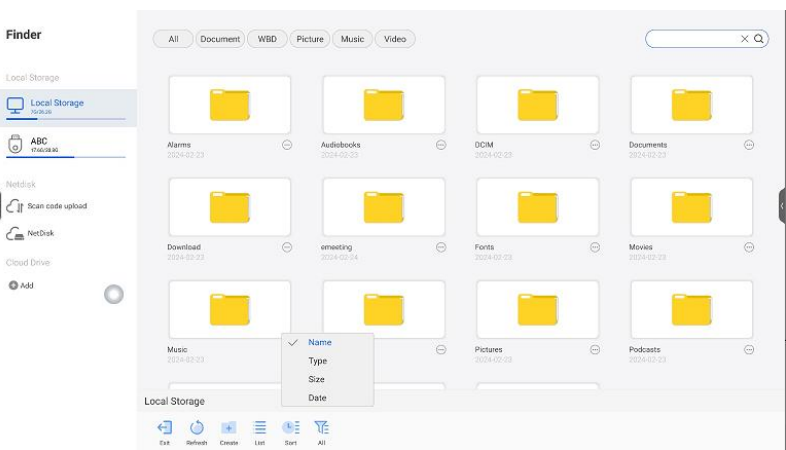
- Supports fuzzy search for file names



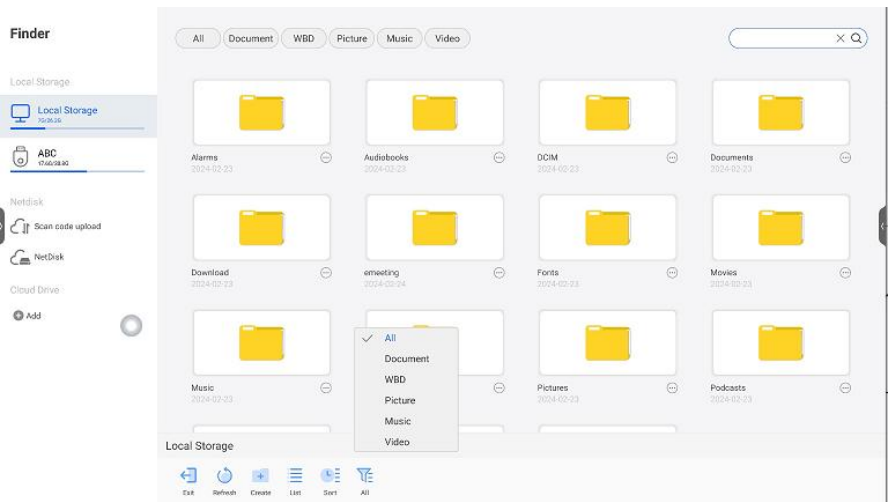
Supports display modes of list or grid.



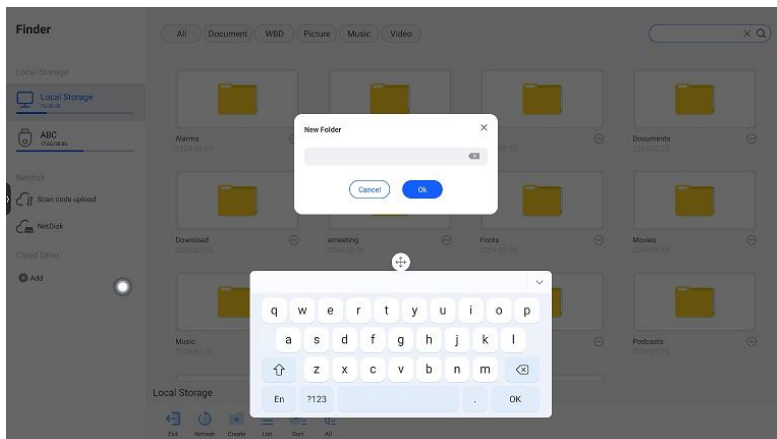
Supports sorting and displaying by time, file name, or file size.



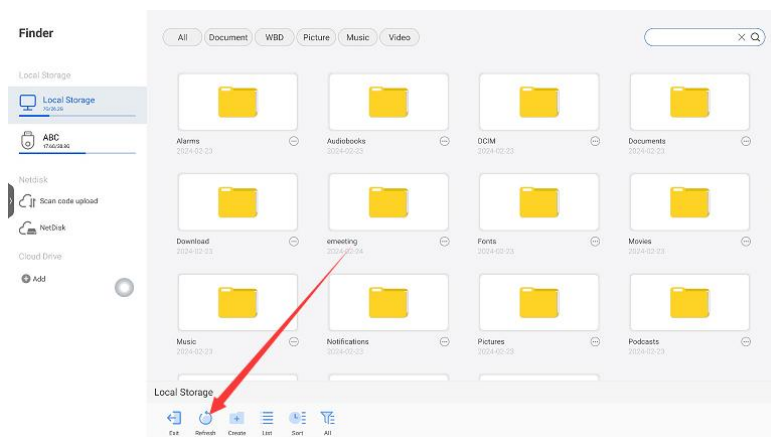
Supports filtering files by file type.



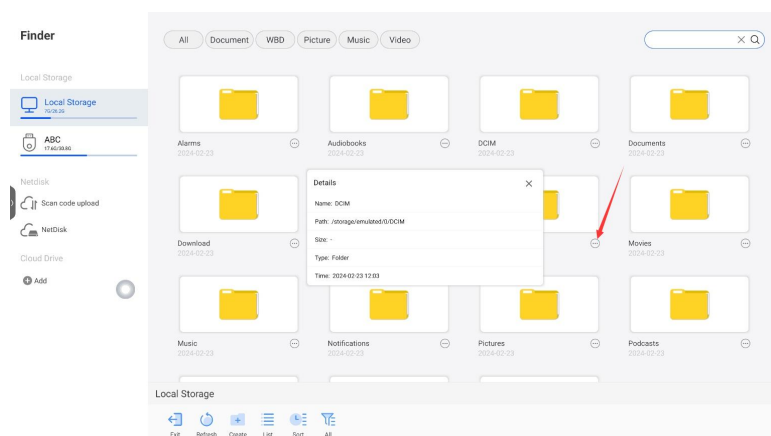
Click on "Create" allows you to create a new folder directly in the file manager.



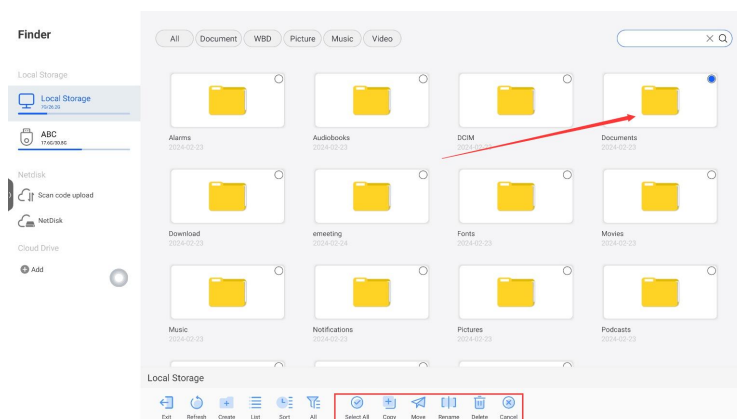
Click on "Refresh" button to refresh the file manager.



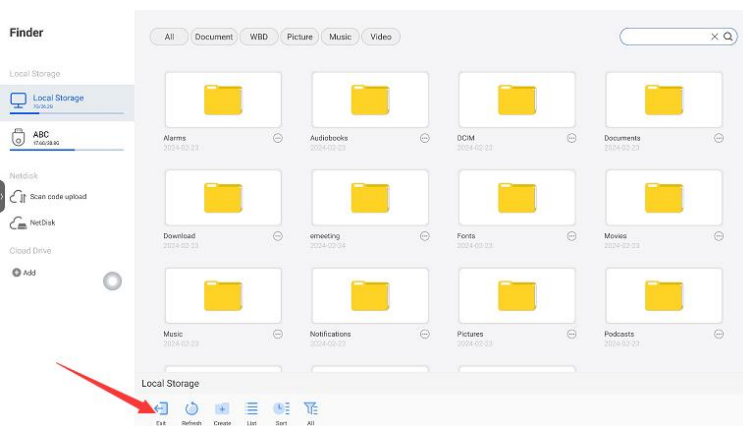
Click on "... " icon next to the file name to check all the information about the current file.



Long-pressing on a file to perform a series of operations on a single file or multiple files.

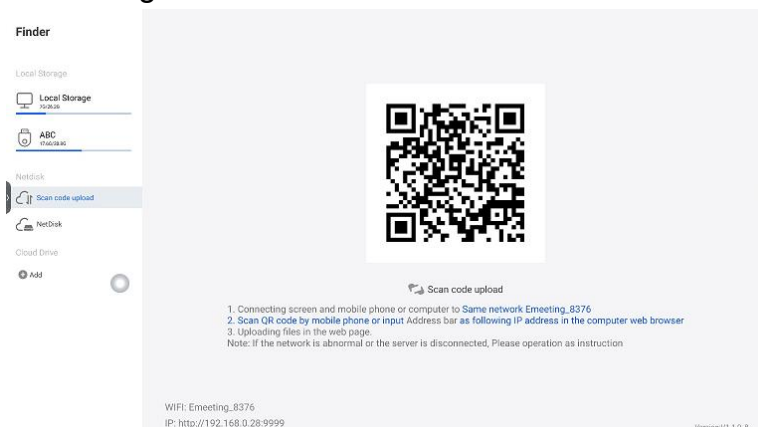


Click on "Exit" button to directly exit the file manager.



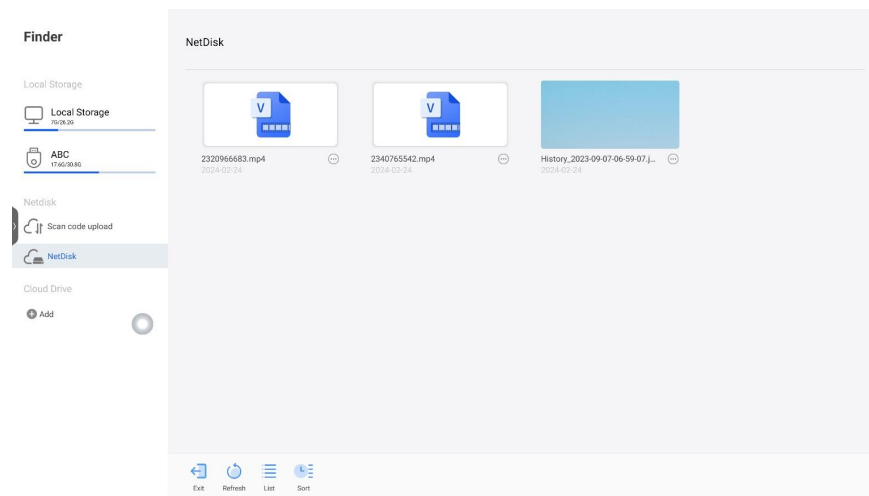
## 3.2 Cloud drive

The cloud disk function only supports LAN use, please make sure the network connection is normal before use. To upload files from your phone, you need to connect your phone to the hotspot of the device. To upload files from computer, please enter the IP address given at the bottom left corner of the device.



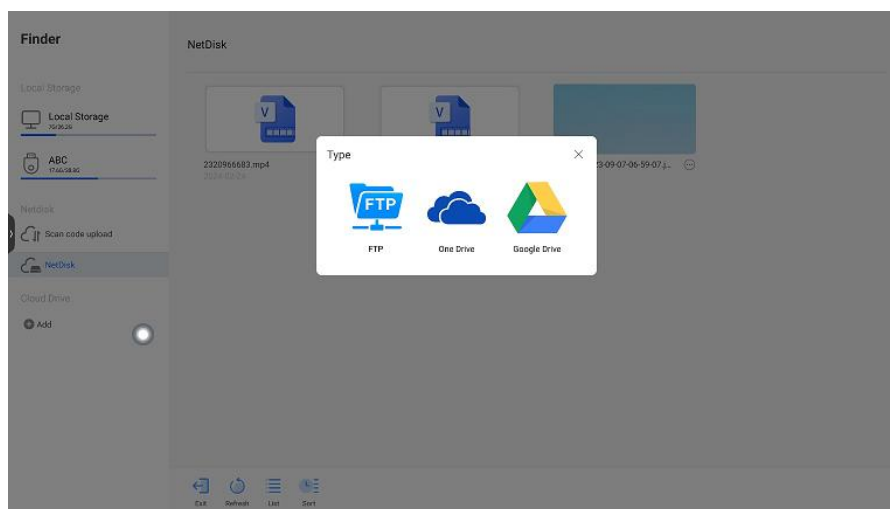


After a successful upload, you can view the uploaded images in "My Cloud Drive.



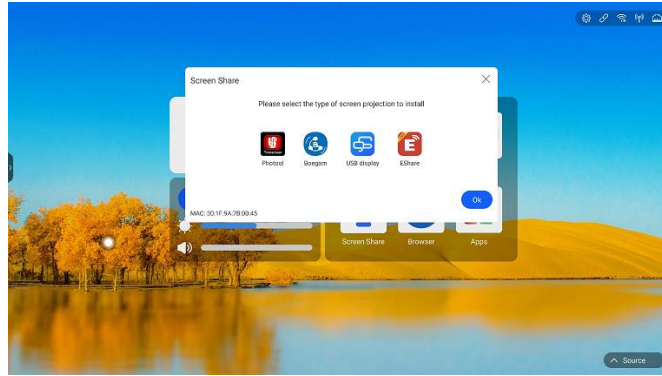
### 3.3 Cloud Drive

Support adding different types of accounts for operation.



## Chapter 4: Wireless Screen Mirroring

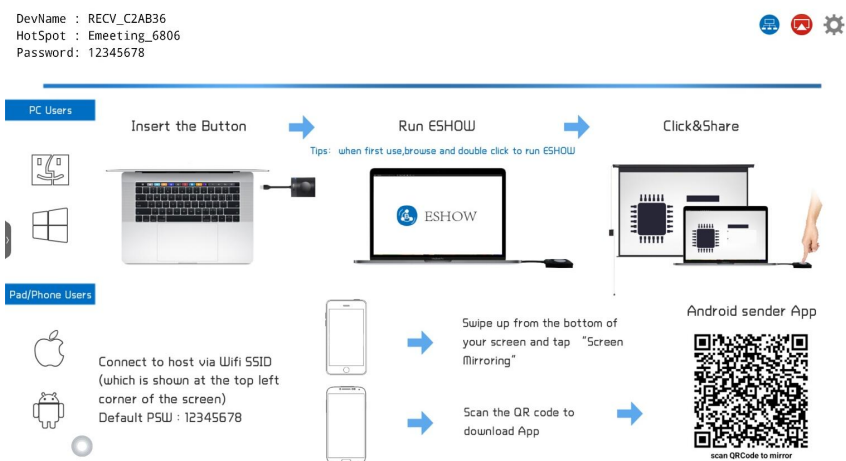
Click on "Screen Share" function, select the screen projection you need to download and install to use.



After activation, use your phone to download the screen mirroring app or use the screen mirroring device to cast the screen. Connect to the same LAN and enter the code to realize the screen mirroring function. Our adapted screen mirroring software are Photool, Boegam, Boze and Eshare.

#### 4.1 Main interface

As shown in the figure below, the main page of the receiver will display information such as the hotspot name, hotspot password, and screen projection code.



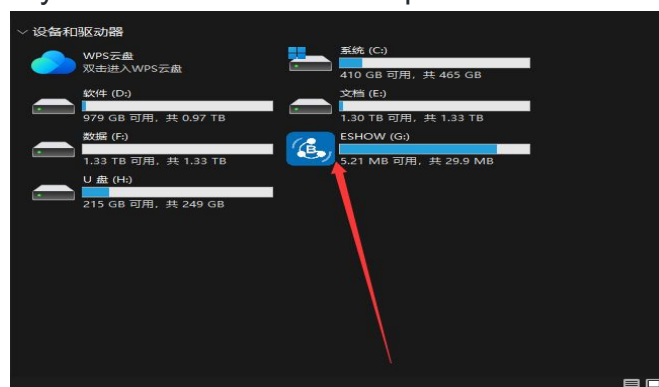
#### 4.2 Wireless screen projector

Step 1: Turn on the hotspot

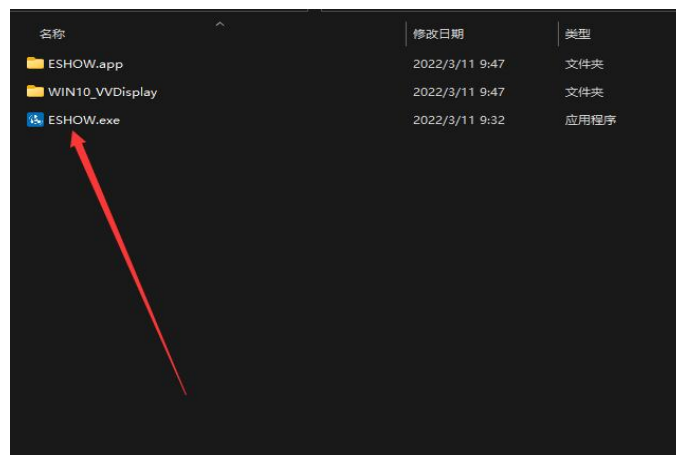
Step 2: Connect the USB port of the screen projector to the USB port of the device and wait for the hotspot information to be written and the pairing to be successful. Once successful, the light on the screen projector will change from blue to red.



Step 3: Insert the transmitter into the USB port of the computer and wait for the computer to automatically install the USB driver. Open the ESHOW disk.



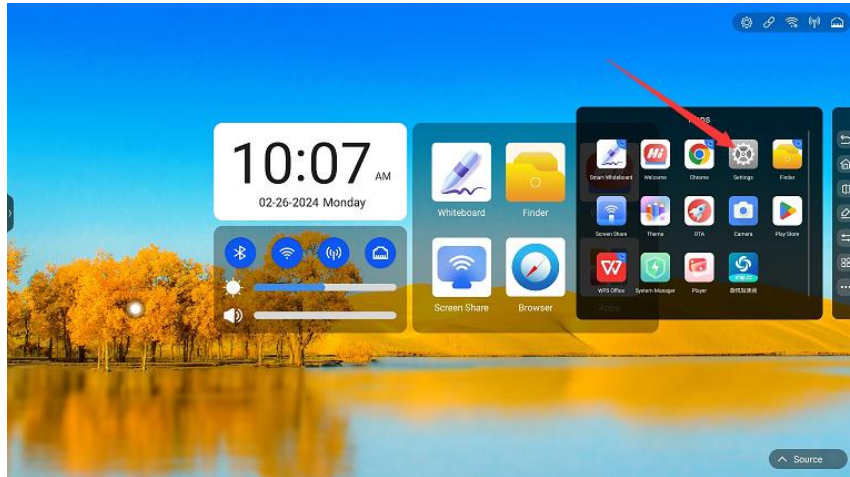
Step 4: Run the ESHOW.exe program on a Windows computer.



Step 5: After running the ESHOW program, click the button on the screen projector to start screen projection.

## Chapter 5: Settings

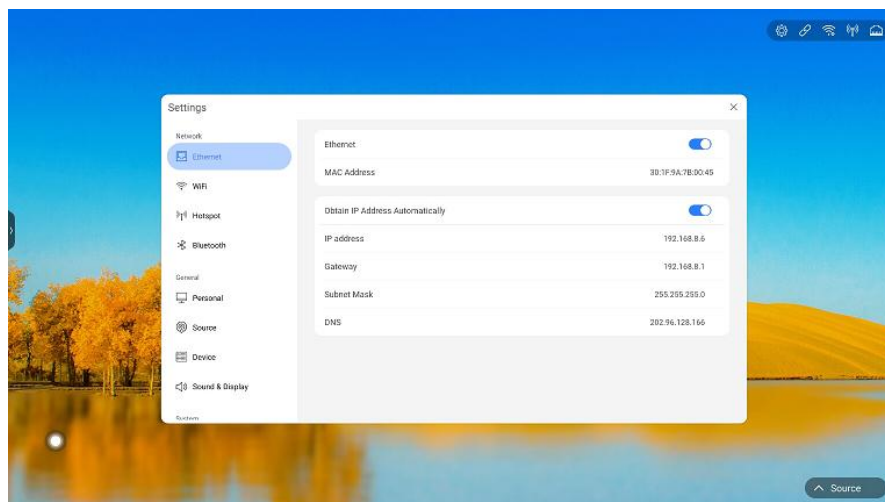
Click on "App" in the sidebar to directly access the settings. The settings are divided into three main modules: Network, General, and System.



## 5.1 Network

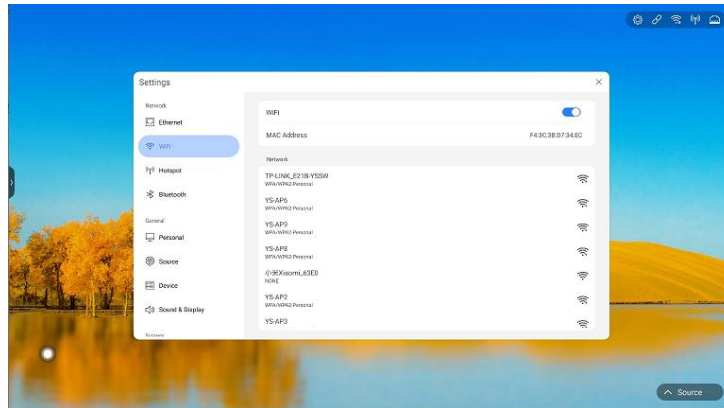
### 5.1.1 Ethernet

After connecting the network cable, it will automatically and dynamically obtain the IP address, gateway, subnet mask, and DNS. If you disable the "Obtain IP address automatically" option, you will need to manually set a static IP address, gateway, subnet mask, and DNS.



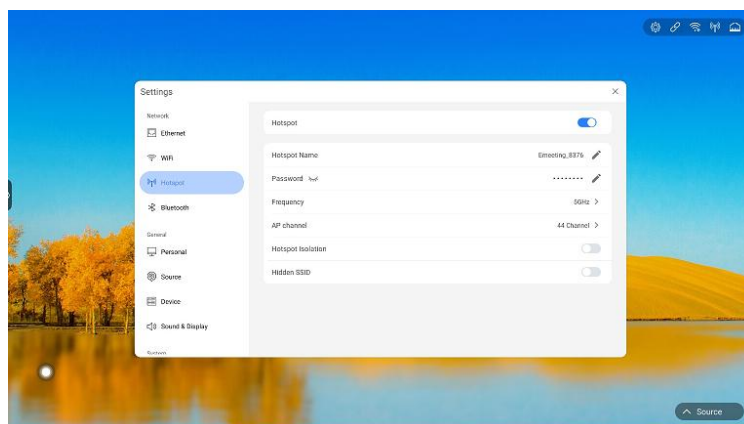
### 5.1.2 WiFi

Turn on the WiFi, enter the password, and once connected successfully, you can start using it.

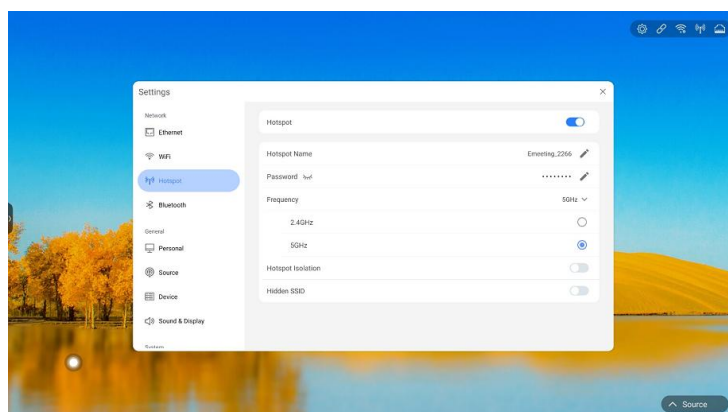


### 5.1.3 Hotspot

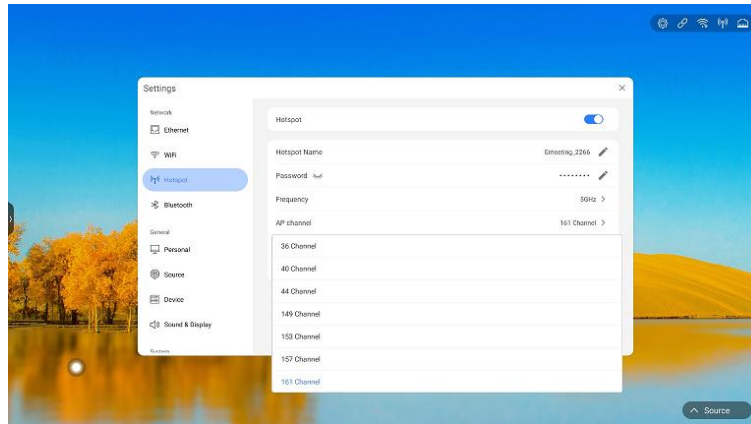
Turn on the device's hotspot to allow other devices to connect. Hotspot isolation can block access to the external network. After hiding the SSID, the hotspot will not be automatically displayed in the list, and manual input is required for searching.



Turn on the device hotspot for other devices to connect; hotspot isolation can isolate the access to the external network; after hiding the SSID, the list will not automatically display the hotspot, you need to manually enter the search.

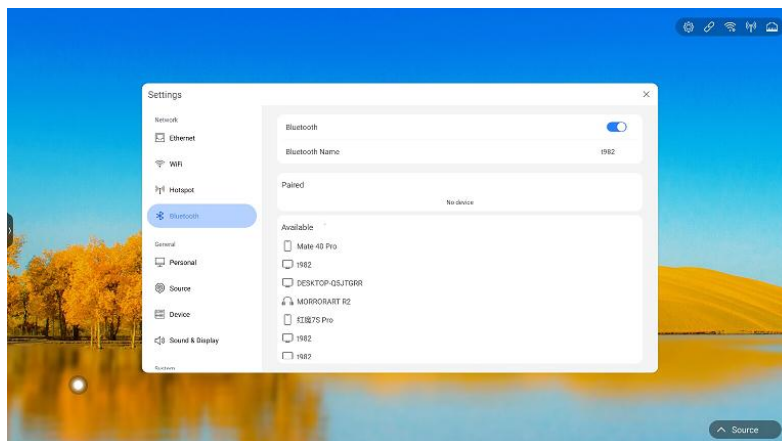


When using the 5GHz hotspot, there will be a hotspot channel to select. For details on how to use it, you can click on “?” next to the hotspot channel for query. Choose the right channel to have a better screen casting experience.



## 5.1.4 Bluetooth

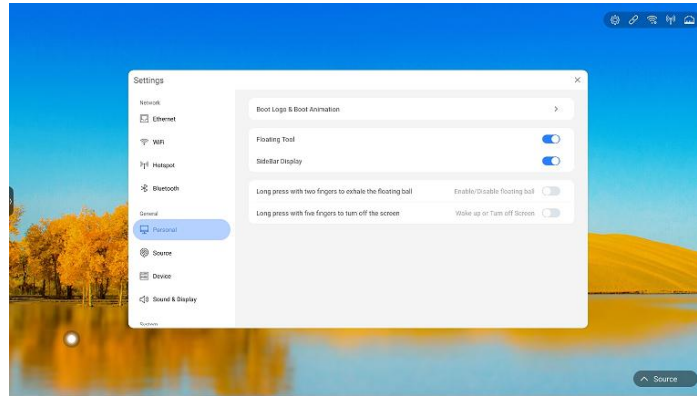
Turn on Bluetooth to automatically search for nearby Bluetooth devices for connection.



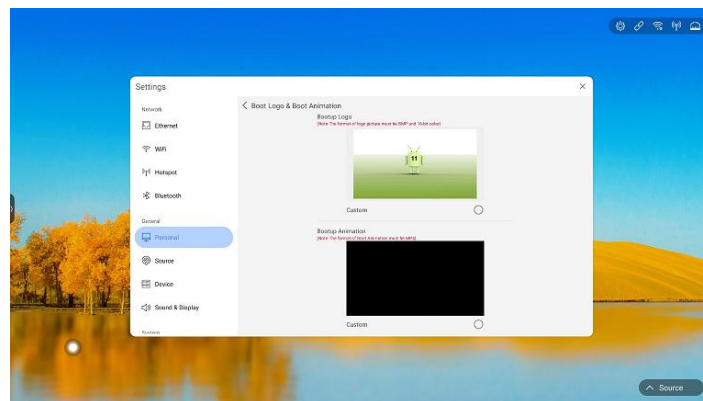
## 5.2 General

### 5.2.1 Personal settings

Personalization: After entering personalization, you can change the startup animation, startup logo, and control the assistive touch and sidebar hiding. Turn on the multi-finger function and long press the screen to control the device.



The boot logo only supports BMP format, while the boot animation supports ZIP and MP4 formats. (Click "Customize" to make changes. Place the desired material in the device, click "Customize," and find the corresponding material in the file manager to replace it. Please note the material requirements.)



## 5.2.2 Signal source

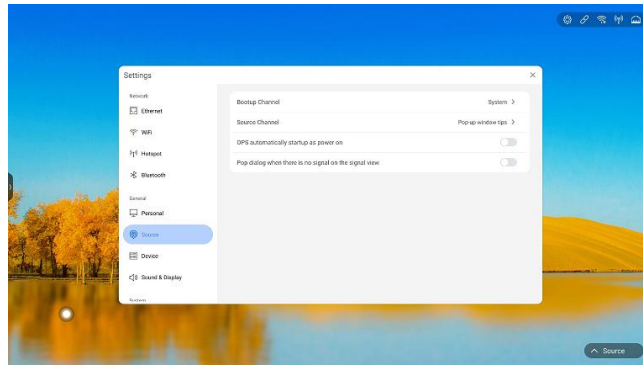
**Startup channel :** Set the startup channel you want according to your needs, after the setting is completed, the power on will enter the set channel in the future.

**Signal access:** If you set the signal source as pop-up, the signal source you access in the future will be informed by pop-up prompt. After setting the signal source as direct jump, the signal source accessed in the future will jump to the corresponding channel directly.

**PC startup:** If you set the PC startup, the PC will be turned on automatically every time you turn on the computer in the future.

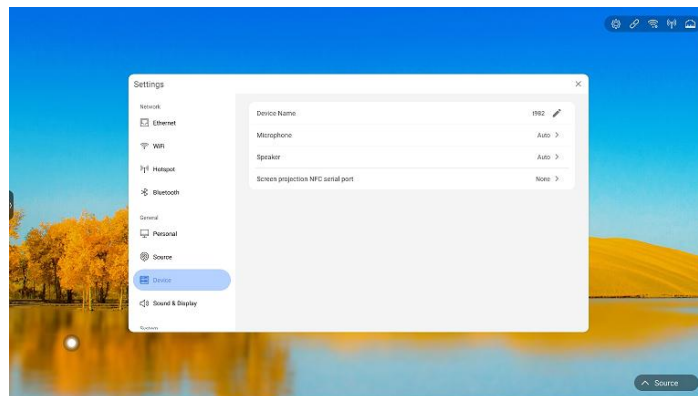
**No Signal:** When accessing the specified signal source, no signal will not issue a pop-up prompt and return to the main interface. It will keep on waiting.





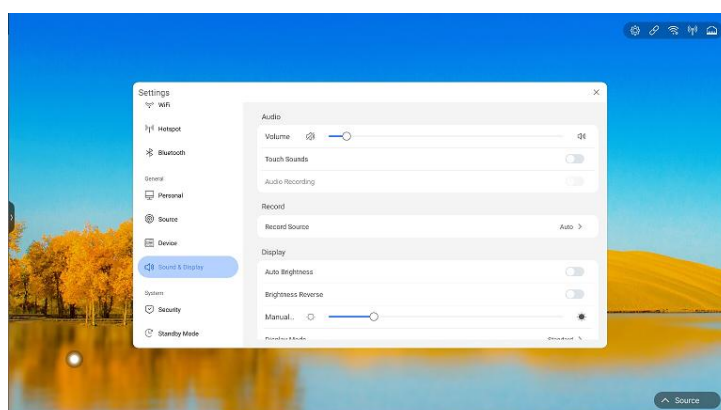
### 5.2.3 Device

Device management: you can change the name of the device in the device management, can open the corresponding serial port to realize the NFC screen mirroring function.



### 5.2.4 Sound and display

Sound and display: You can manually adjust the volume and brightness, as well as the color tone of the screen and adjust the recording channel.





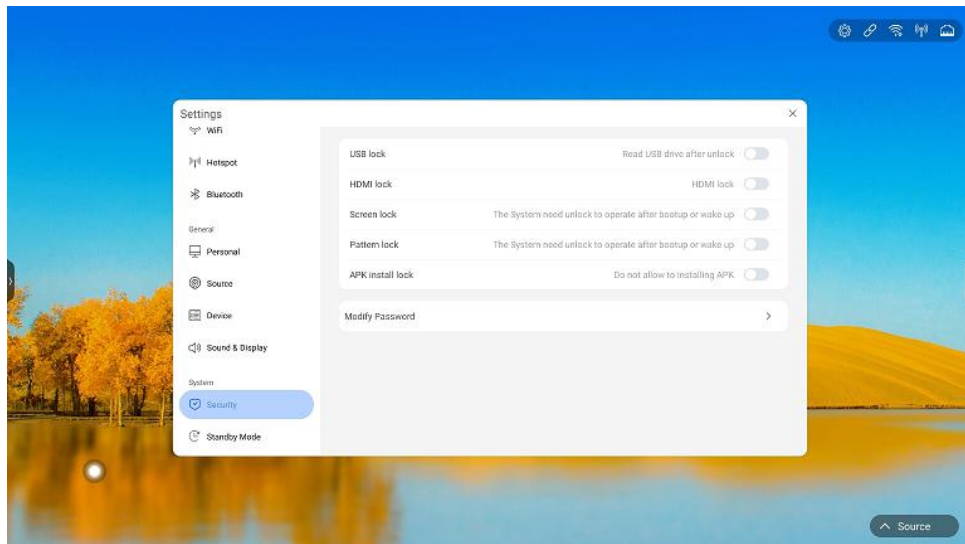
## 5.3 System

### 5.3.1 Security lock

Security Settings:

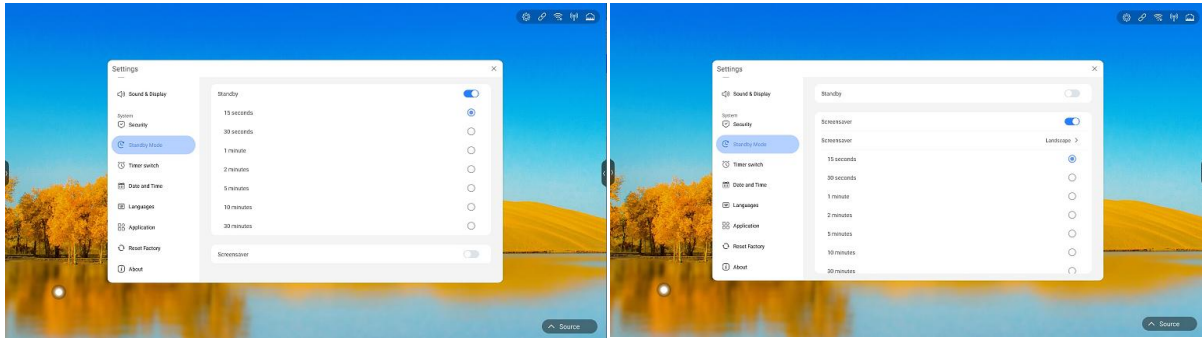
- USB lock : After setting, the information of the USB can't be read and needs to be unlocked before it can be used.
- HDMI lock: After setting, access to HDMI is inaccessible and needs to be unlocked to be accessible
- Screen lock: After setting, sleep and startup require password entry
- Pattern lock: After setting, you need to complete the pattern unlocking or enter the digital password to complete the unlocking when sleeping and starting up.
- Apk lock: When it is turned off, the device can be used for third-party apk installation, and when it is turned on, apk installation will not be possible.

# The default password corresponding to the password lock is 1234, which can be customized.



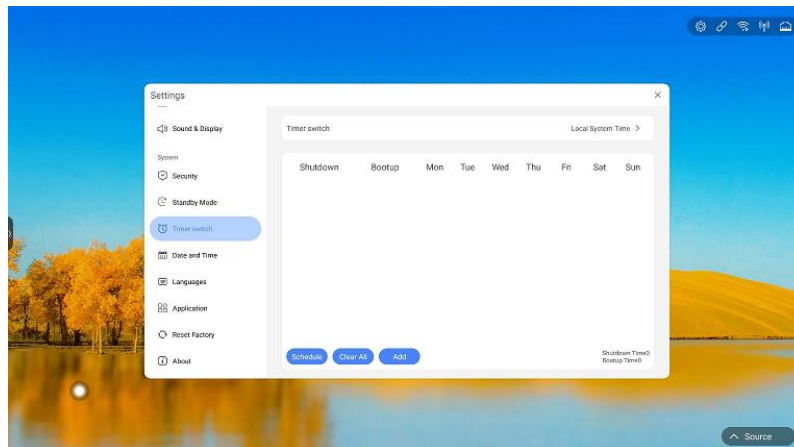
### 5.3.2 Standby

Standby node: You can set the time to enter sleep and screen saver. (Cannot be entered in whiteboard, annotation, video playback and signal source)



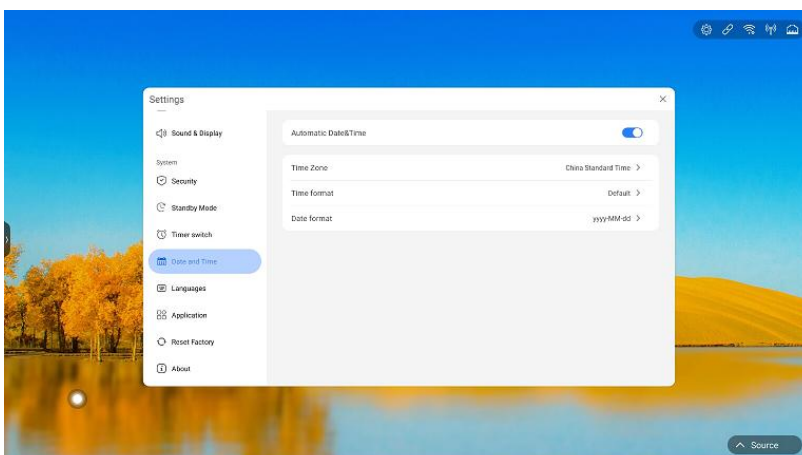
### 5.3.3 Schedules

The device can be configured for scheduled power on and power off, supporting both local settings and server-side deployment.



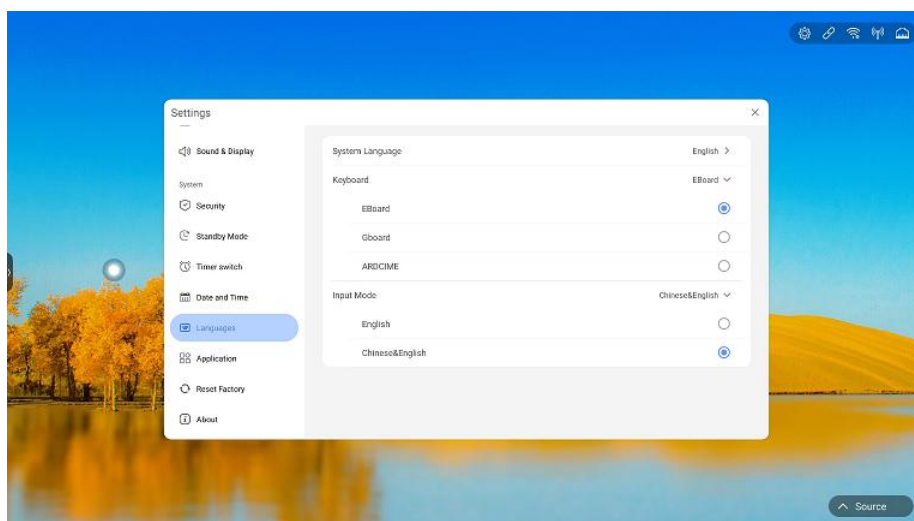
### 5.3.4 Time and date

When connected to the internet, turning on the automatic update switch will update the date and time automatically based on the current time zone. By turning off the automatic update button, you can manually select the time and date



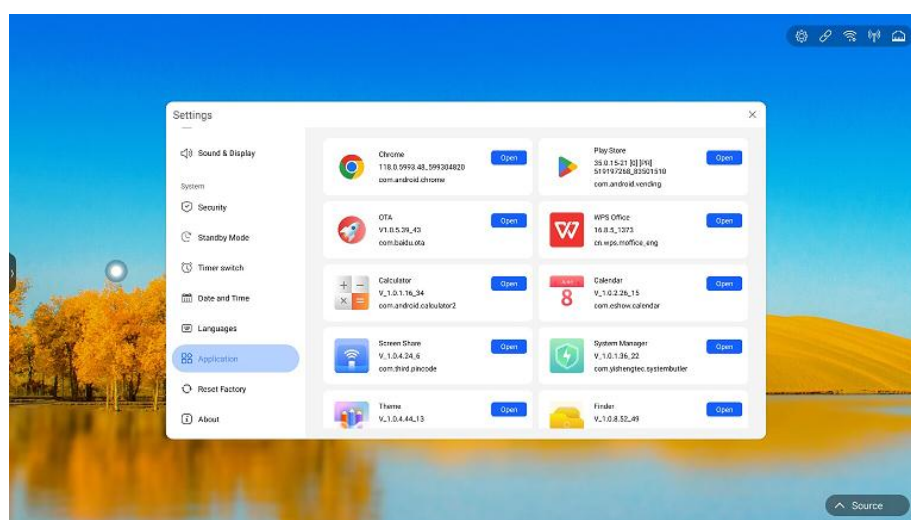
### 5.3.5 Language and input method

The system supports dozens of languages, and you can choose from third-party input methods for typing



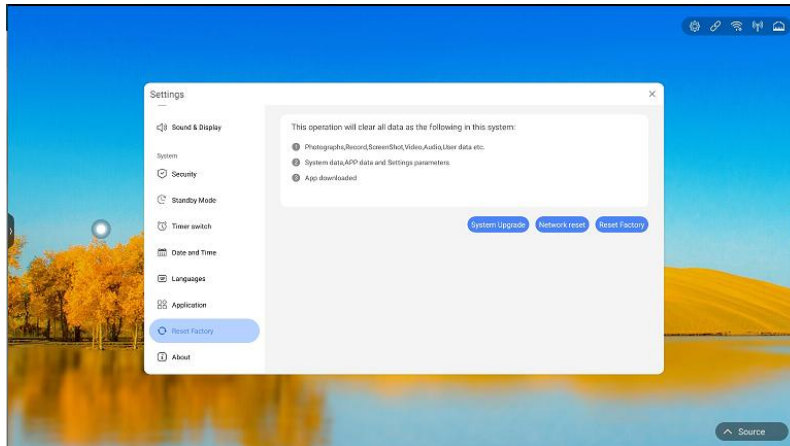
### 5.3.6 Application management

You can view the apps installed on the current device, support open and delete.



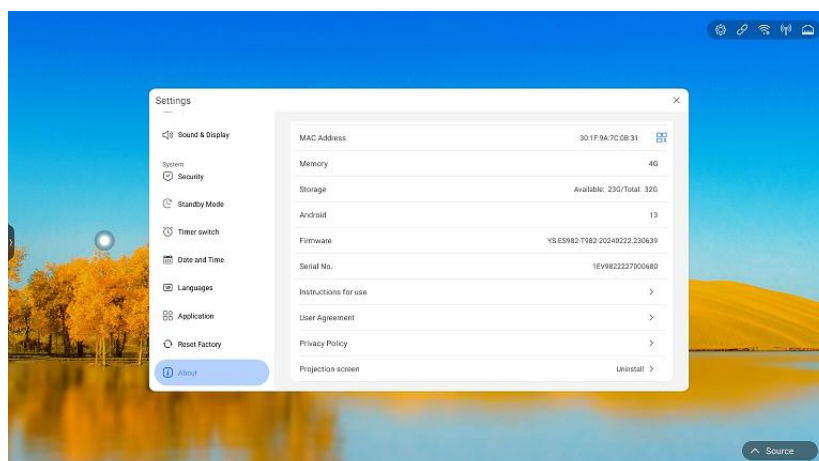
### 5.3.6 Reset

Click on "Reset" will delete all downloaded third-party applications, media data, and files. Click on "System Upgrade" will automatically redirect to the upgrade interface. Network reset is used to reset the network when there are network abnormalities.



### 5.3.7 About

You can view the relevant information of the device. Click on “Screen projection” software allows you to uninstall the screen projection software. Click on “screen projection” function again supports re-downloading



## Chapter 6: Others

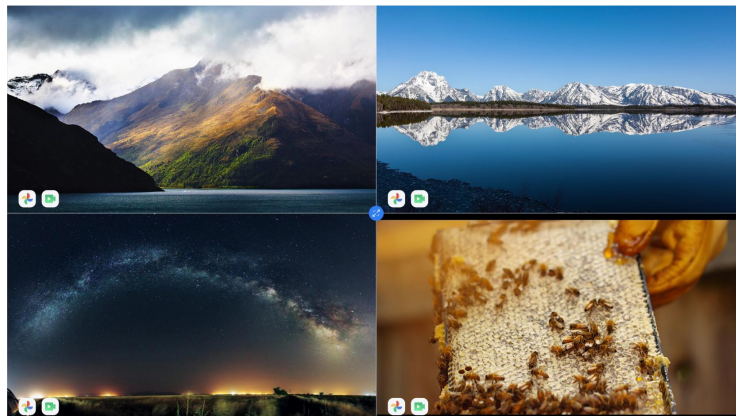
### 6.1 Welcome Templates

You can enter the Welcome Mode interface from the App Store in the sidebar. You can choose from existing templates or customize and save your own templates. It supports changing backgrounds, inserting multiple images, adding multiple text boxes, as well as adding videos and background music.



## 6.2 Media player

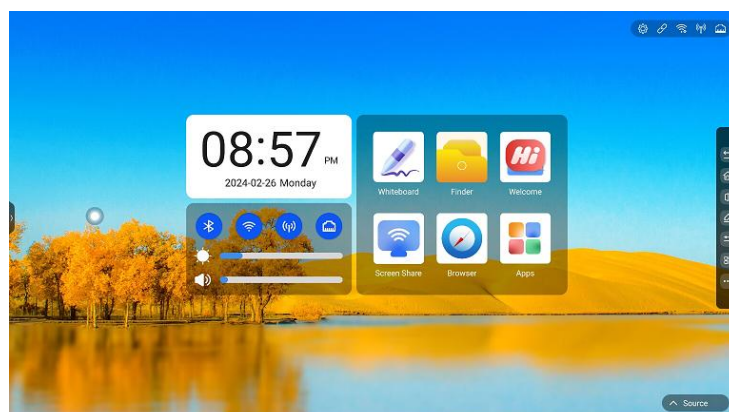
Supports dual-screen mode (top-bottom split, left-right split) and quad-screen mode. It supports inserting images and videos.



## 6.4 Sidebar

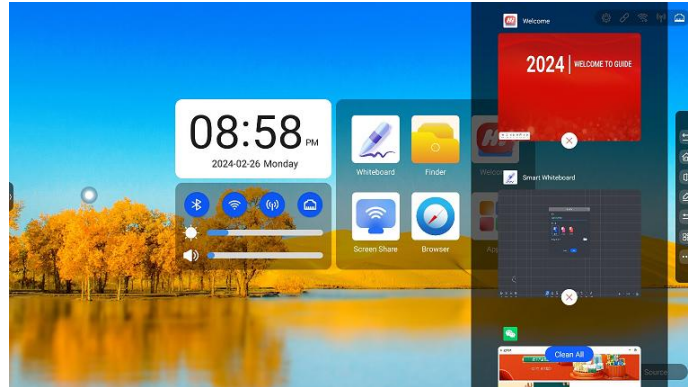
The interface has symmetrical sidebars on both sides, and both sides can be opened.

- Return: Go back to the previous interface.
- Main: Go directly to the homepage.

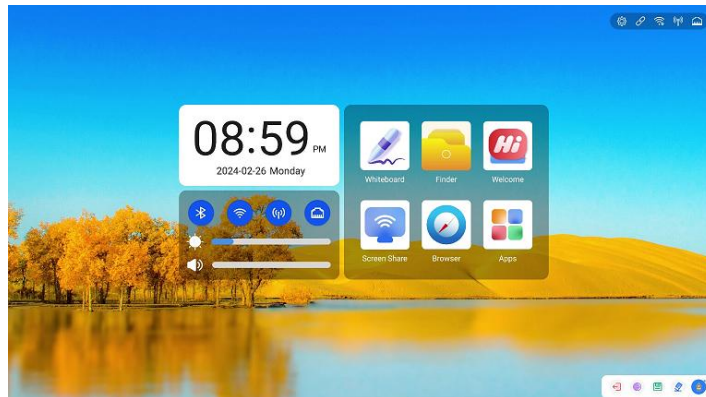




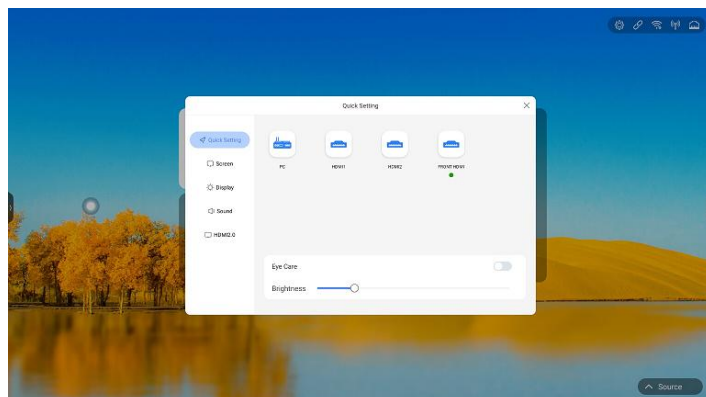
- Tasks: Display background tasks for easy clearing of running programs. Click on "Close" button to close individual tasks. Click on "Clean All" button to close all tasks



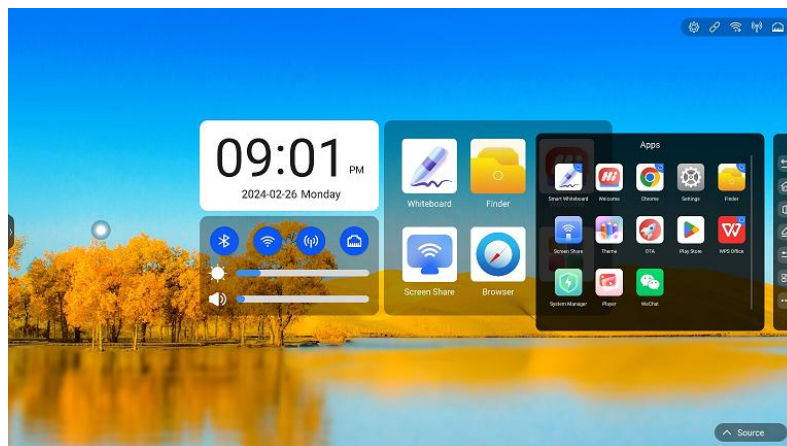
- Annotations: Annotations can be made on any interface. Click "Annotations" to enter annotation mode, and the annotation toolbar will pop up in the lower-left corner. The toolbar includes options to exit annotation mode, share the annotated screen via QR code, save the annotation file, erase annotation marks with an eraser, select brush size and color for annotation, and support freely dragging the toolbar.



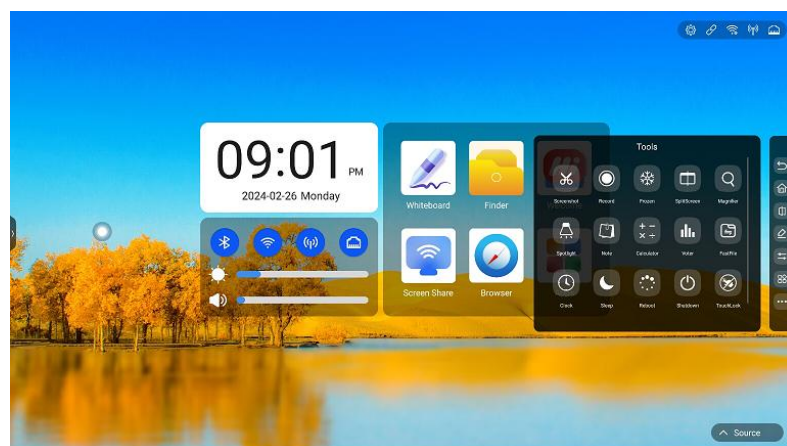
- Quick: You can control the sound, brightness, screen display ratio, HDMI2.0 output and HDMI1.4 output of the signal source. .



- Click on "Apps" to view and use all the software available on the current conference system.

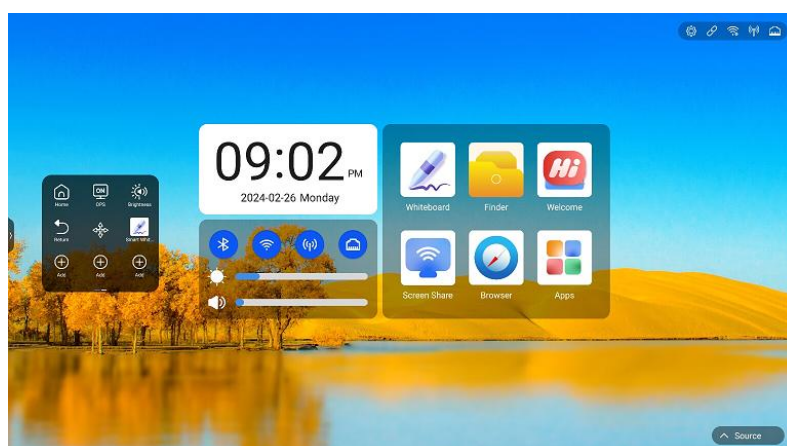



- Tools: Convenient small tools that can be used on any interface except for (Freeze Screen, Screensaver, Annotations).

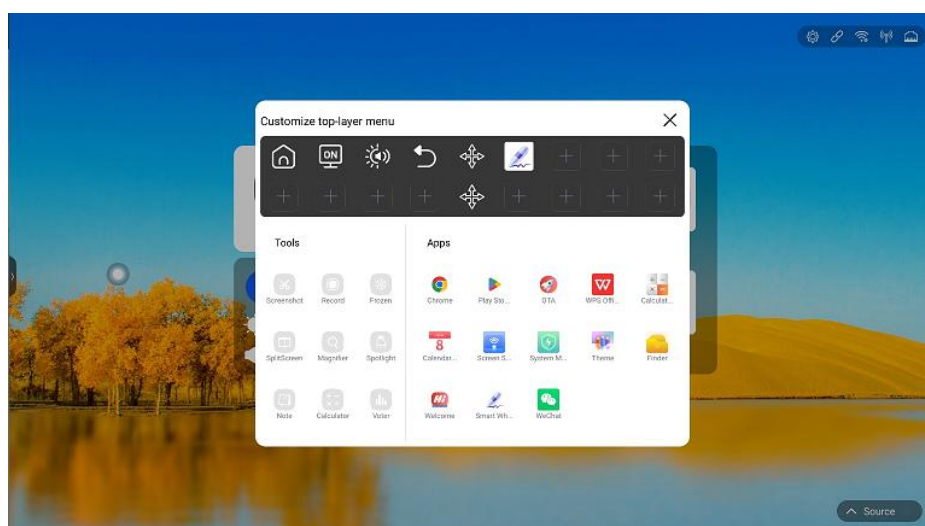


## 6.5 Assistive touch

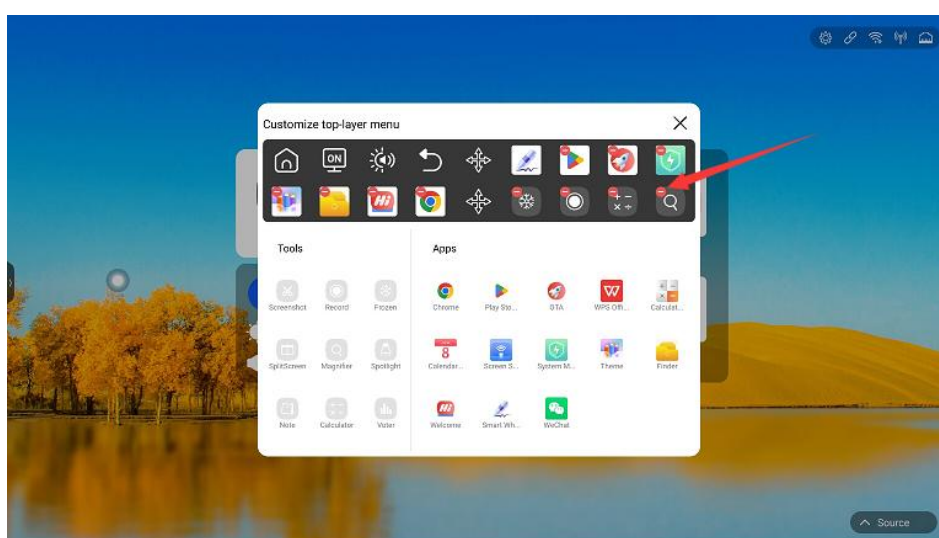
The system defaults to displaying the assistive touch. If you don't need it, you can go to Settings → Display → Disable assistive touch



- Main interface: Turn on the assistive touch, click on Main interface, you can go back to the home page directly.
- P C: Turn on the assistive touch, click on PC, you can switch to the signal source.
- Adjustment: Turn on the assistive touch and click on Adjustment to adjust the sound and brightness of the device.
- Back: Turn on the assistive, click on Back, you can directly return to the operation
- Customize: Click on  icon to pop up the app list. Select an app and add it as a shortcut (click the center of the assistive touch you can drag it, and slide the bottom of the assistive touch to turn the page).




Cancel or change shortcuts: long press the app, change or delete in the floating window

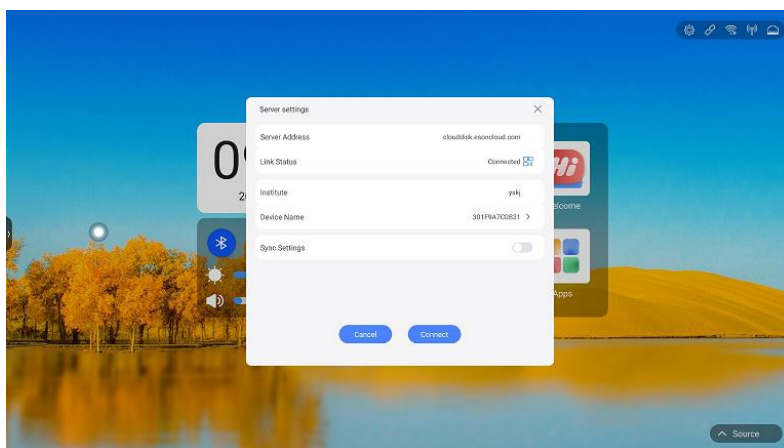




## 6.6 Background connection settings

Click on " " icon in the top right corner to access the server connection and view the status of the device's server connection - connected or disconnected.

You need to first add the device in the conference background. If the device is not added, it will show as unregistered. The voting device can only function properly when the device server is on the local network

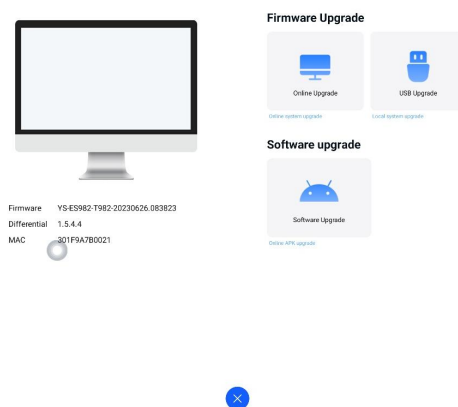


## 6.7 OTA upgrade

Application List - Click on "APK upgrade".

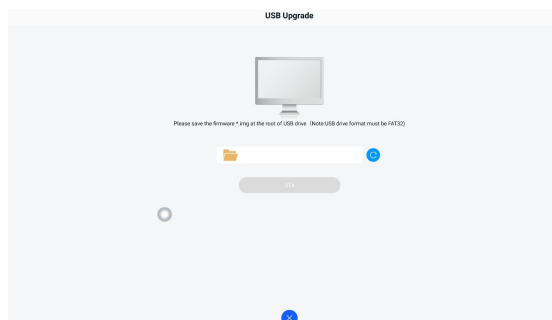
### 6.7.1 Online upgrade

Click on "Online upgrade" to automatically fetch the OTA platform's issued upgrade package and perform the upgrade



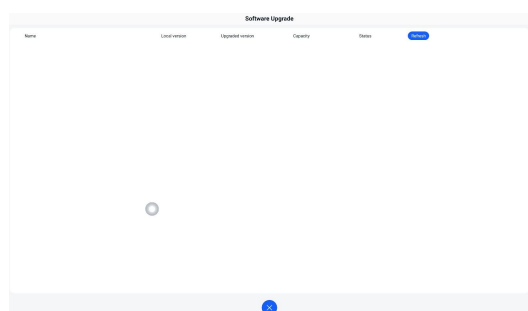
## 6.7.2 ZIP upgrade

Click on "Update system" and insert a USB. Create an "update" folder in the root directory and place the upgrade file in zip or img format into the "Update" folder. Rename the file as YS-EMEETING-ES982. Wait for the system to detect the corresponding upgrade file, click on "Upgrade," and wait for the upgrade to complete.



## 6.7.3 Software upgrade

Click on "Software upgrade" to fetch the software upgrade package issued by the conference background. Compare the current version number of the software in the system. If a higher version is available, it will be displayed in the upgrade list. You can manually select the software you want to upgrade. After downloading, it will be automatically installed and upgraded.

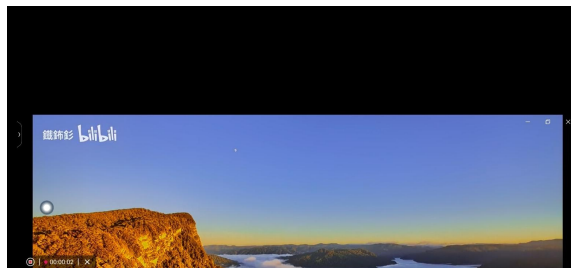


## 6.7.3 Firmware upgrade

Taking ES982 as an example, download the firmware in img format and place it in the root directory of a USB. Rename the firmware as YS-EMEETING-ES982. Power off the device and press and hold the Power button. Keep holding it until the startup screen appears, then release the Power button. Wait for the upgrade to finish

## 6.6.4 Signal source

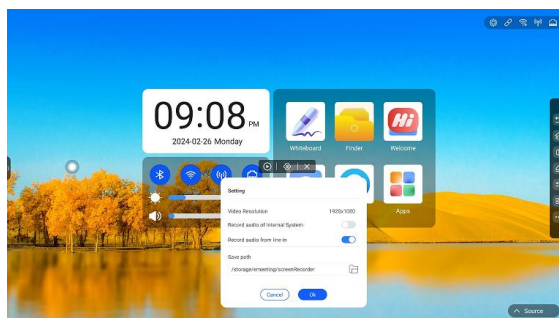
After connecting to the signal source, you can use it in split screen.



## 6.9 Tools

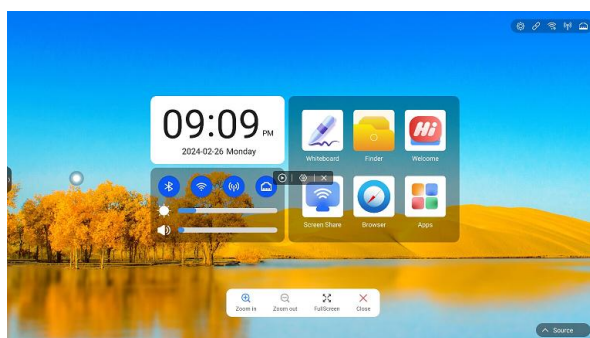
### 6.9.1 Screen recording

You can call out the screen recording function in the toolbar to use it, and track and check it according to the path prompted.



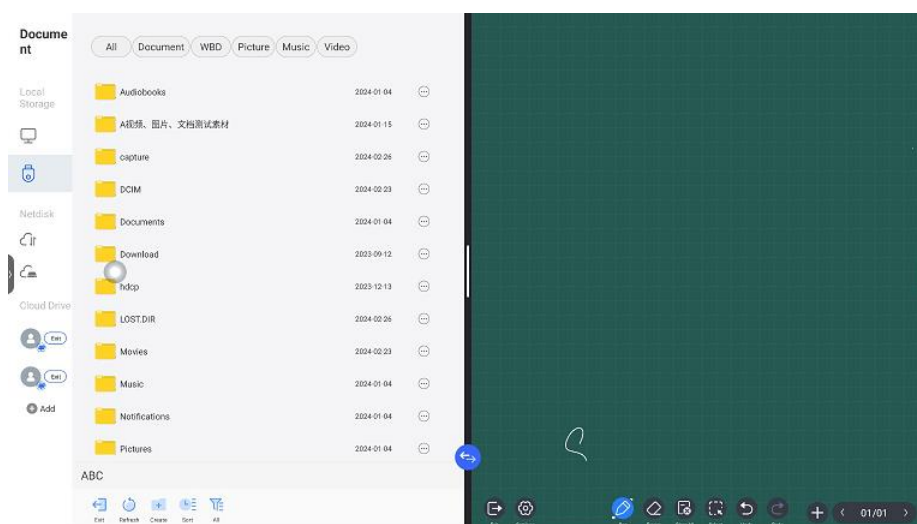
### 6.9.2 Freeze screen

In any interface where the sidebar is available, you can access the freeze screen function in the toolbar and use it (freeze screen function is not available during screen recording). Freeze screen allows you to capture the current screen, zoom in, and perform other operations. However, it does not support saving.



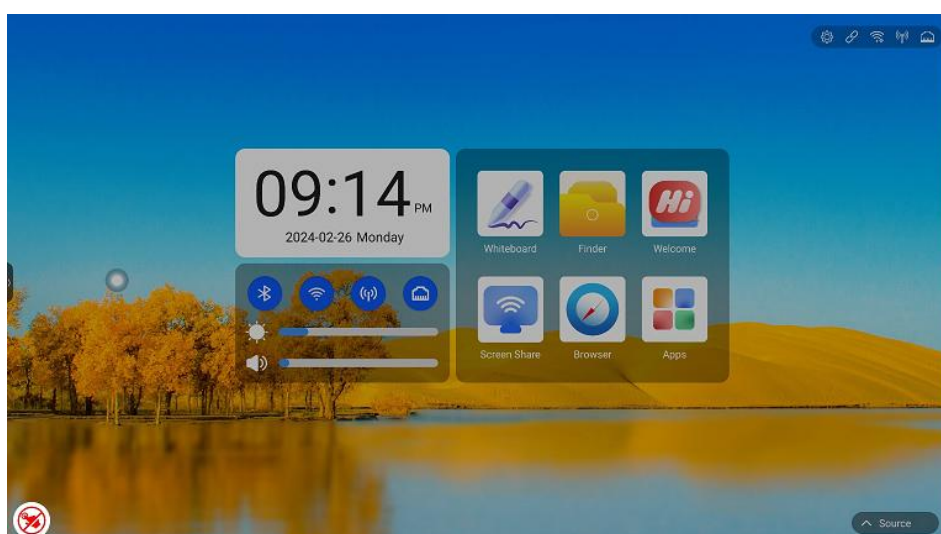
### 6.9.3 Split screen

Open 'Split screen', currently supported applications for split screen include: Whiteboard, File Manager, Browser, WPS Office, and Signal Split Screen. Signal Split Screen is only displayed in split screen mode and shows only the screen without touch support. In split screen mode, you can drag the applications to occupy one-third, two-thirds, or full screen."



### 6.9.5 Touch lock

It can be used on Android and signal sources. After use, it locks the device's touch input, preventing normal touch usage. To unlock the touch input, you can tap the red touch unlock button.



## 6.9.6 Sticky notes

"Sticky notes" can be used on both Android and signal source interfaces, and it supports importing whiteboards and automatic recycling functions."

