

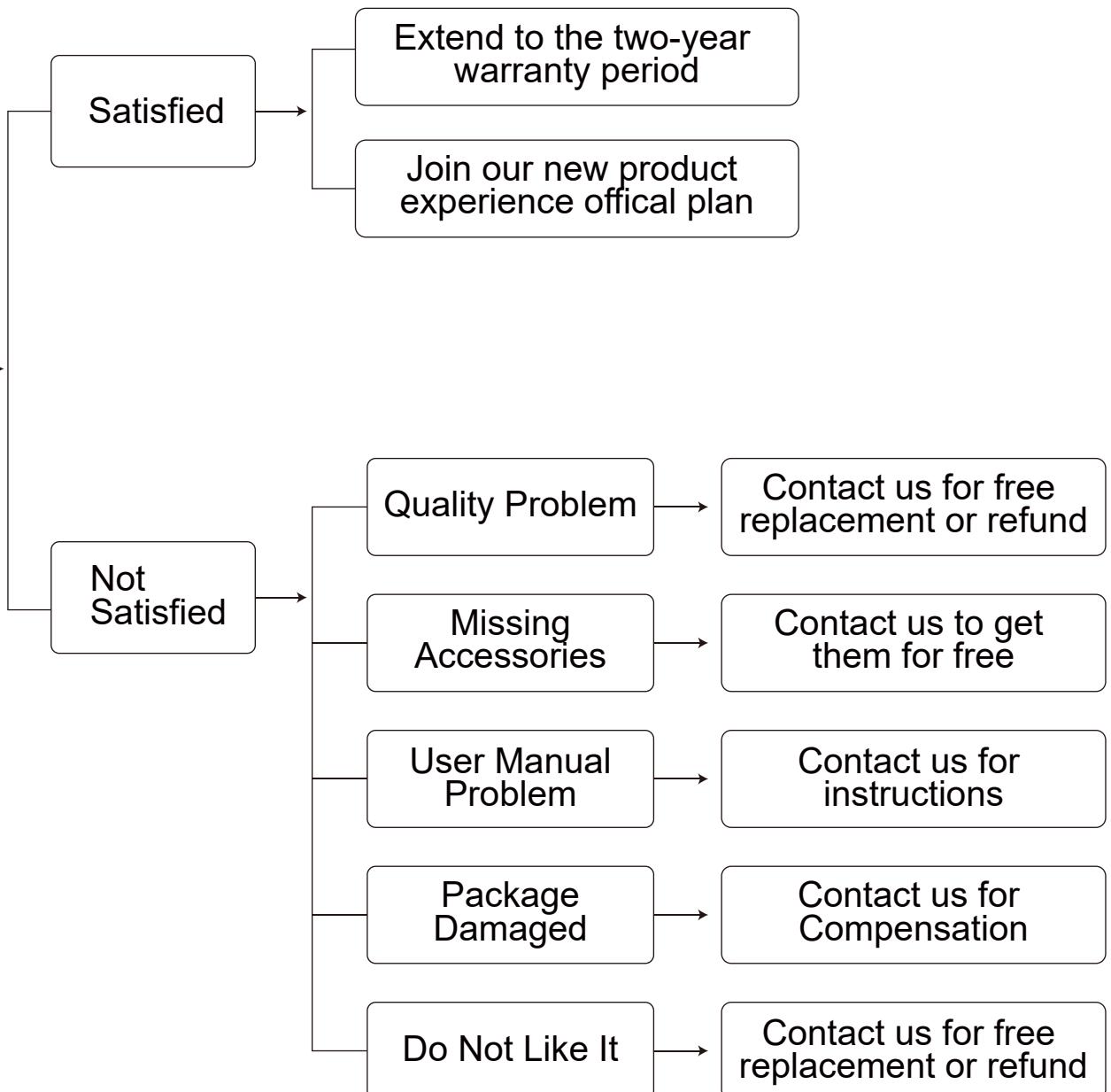
Smart Board User Manual



- ✉ **Customer Service Email:** gsusamz@outlook.com
- 📞 **Contact Number:** 508-434-7740
- 📍 **Address:** 14B Craig Road, Acton, MA, 01720

Scan the QR code **TODAY** to extend the warranty period to two years!

Product Received



Contents

1 Introduction	7
2 Product function	7
2.1 Boot wizard	7
2.2 Launcher	8
2.2.1 Introduction of page elements	9
2.2.2 Status bar	9
3 Sidebar	10
3.1.1 Back	10
3.1.2 Home	10
3.1.3 Multi-task	11
3.1.4 Annotation	11
3.1.5 Control panel	11
3.1.5.1 ShortcutTools	11
3.1.5.2 Quick Setting	12
3.1.5.3 Application list	12
3.1.6 Signal source	13
3.2 Compass	13
3.3 Whiteboard	13
3.3.1 Menu	14
3.3.2 Setting	15
3.3.3 Page Management	15
3.3.4 Paintbrush	16
3.3.5 Erase	16
3.3.6 Select	17

3.3.7 Shape	17
3.3.8 Insert	18
3.3.9 Undo and Redo	19
3.3.10 Single finger/ Multi-finger	19
3.3.11 Split screen writing	19
3.4 Annotation	20
3.4.1 Pen	21
3.4.2 Erase	21
3.4.3 Scan share	21
3.4.4 Minimization	22
3.4.5 Close and Save	23
3.5 File manager	23
3.5.1 Introduction	23
3.5.2 Common function	24
3.6 Multi-user	24
3.6.1 Add and enter multiple users	25
3.6.2 Multi-User Management	25
3.7 Multi-window	25
3.7.1 Opening Multi-Windows	26
3.7.2 Multi-Windows Operation	27
3.8 Welcome page	28
3.9 Screen recording	28
3.10 Screen shot	29
3.11 Gallery	30
3.12 Voting System	31
3.13 Easy Upload	32

3.14 Timer	33
3.14.1 Stopwatch	33
3.14.2 Countdown Function	33
3.15 System settings	34
3.15.1 Network	34
3.15.1.1 Netstat:	34
3.15.1.2 WLAN:	34
3.15.1.3 Ethernet	35
3.15.1.4 WiFi-AP	36
3.15.2 General	37
3.15.2.1 Sound	38
3.15.2.2 Display	39
3.15.2.3 Compass	40
3.15.2.4 Gesture interaction	41
3.15.2.5 Screen recording	42
3.15.3 Device	42
3.15.3.1 Bluetooth	42
3.15.3.2 Printer	43
3.15.3.3 Microphone:	44
3.15.3.4 Camera	44
3.15.4 Input Channel	45
3.15.4.1 Channel image	45
3.15.4.2 Other setting	46
3.15.5 System	46
3.15.5.1 Date and Time	47

3.15.5.2 Language and keyboard	48
3.15.5.3 Power state	49
3.15.5.4 System update	50
3.15.5.5 System security	51
3.15.5.6 Multi-user	52
3.15.5.7 About	53

1 Introduction

- This manual is for all users of the meeting machine, provides reference for the beginners;
- If there is any trouble or uncertain problems, please contact with our manufacturers.

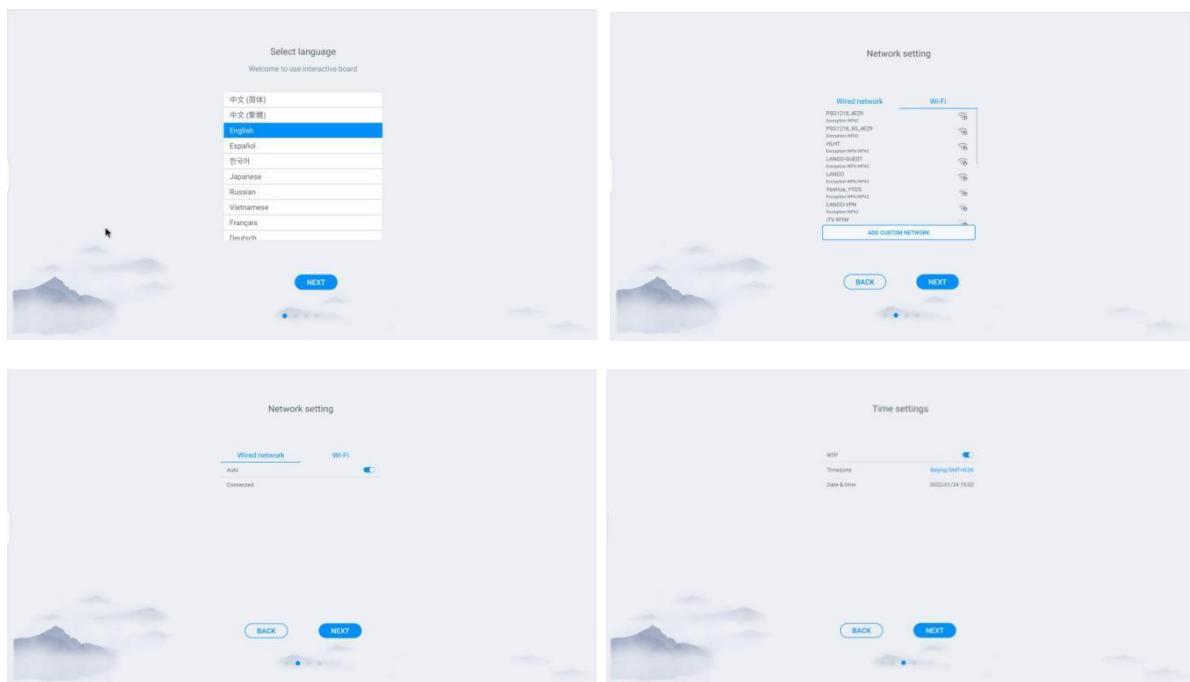
2 Product function

This document is designed to clarify the basic functions and operation methods of the conference machines, so as to make users get familiar with each function faster;

This product is a conference machine interactive integrated machine, with abundant system functions and application functions, the following introduces the basic use method of each function one by one.

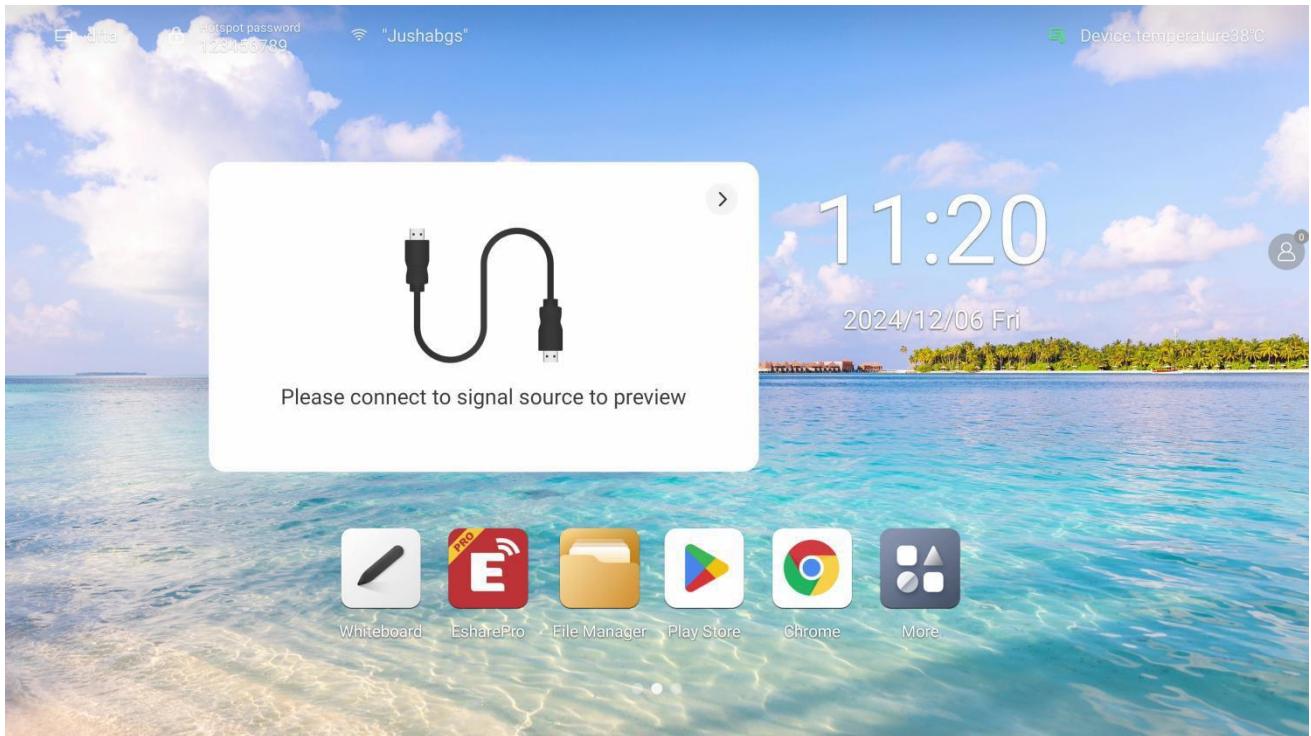
2.1 Boot wizard

The boot wizard is a page that pop up when the user turns on for the first time to guide users to quickly get familiar with the basic functions of the *** machine, mainly including the following pages:

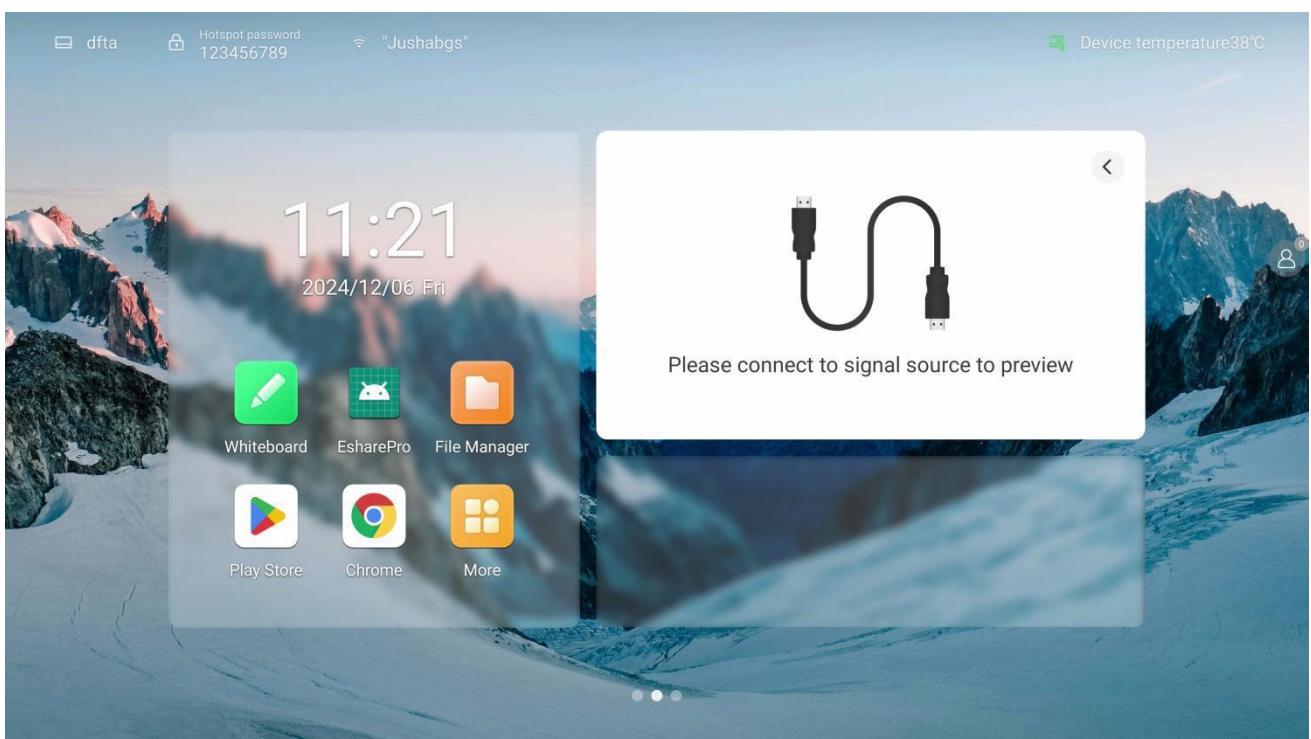


2.2 Launcher

The launcher is the landing page and theme page after power-up, system defaults to two sets of themes, as shown in the figure below:



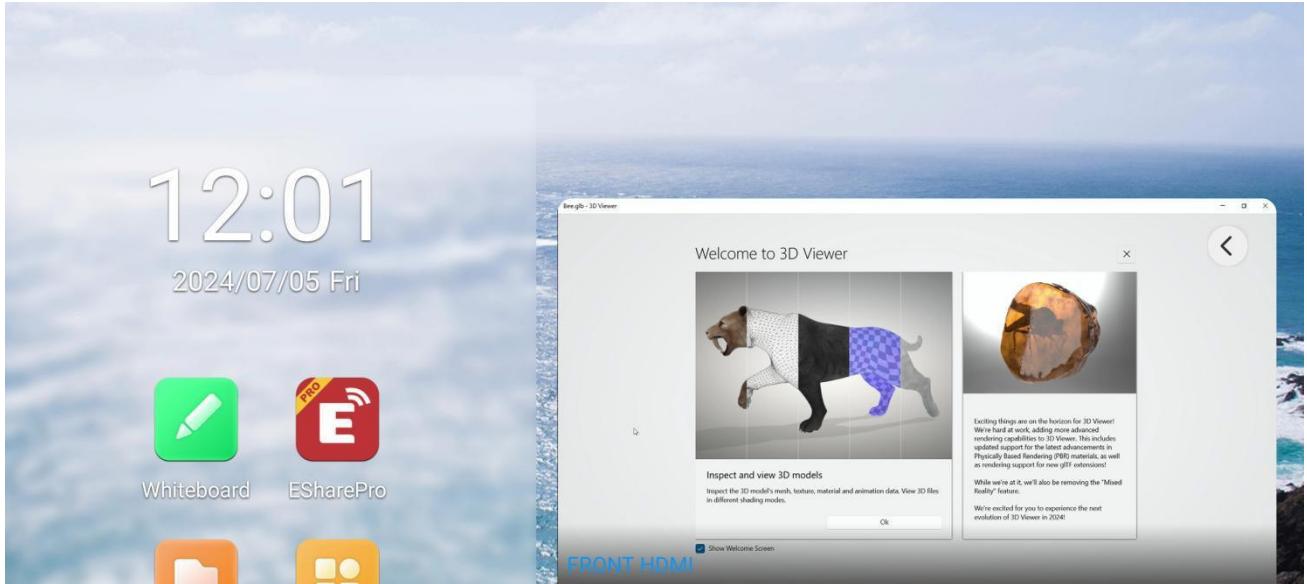
Theme 1



Theme 2

2.2.1 Introduction of page elements

- **Wallpaper:** You can switch theme, custom background, and rotation wallpaper in system Settings--General--Personalization
- **Time:** Long press to open the system settings, can set date, time and formats manually



- **Application icon:** Click to enter application
- **Source preview:** Preview the preset signal source, like OPS. Click the selection button at the bottom of the signal source preview interface to set the source; click the interface section to turn to the corresponding source page; click the " " in the upper right corner to fold the source preview interface;

2.2.2 Status bar

- The top status bar displays the device name, WiFi-APP name, network status, device temperature and user exit; described as below:
- **Device name:** Display the name of the current device, associated with hot spot name, screen share device name, Bluetooth name etc.; Users can modify it in the settings- -system setting
- **Hot spot password:** Display hot spot password when it is opened; hot spot can be set in settings- -network- -hot spot
- **Network status:** Show the current network and network status
- **Device temperature:** Temperature detection, real-time monitoring of the whole machine temperature, users can turn on / off this function in System settings-System-Power state):

When the temperature <65°C is in the normal temperature range, the text display as green;

When $65^{\circ}\text{C} \leq \text{temperature} < 85^{\circ}\text{C}$ the temperature is high, the text display as orange, will remind you to shut down;

When the temperature $\geq 85^{\circ}\text{C}$ the temperature is too high , the text display as red, to protect the device, it will forced shutdown after 5 seconds

- User exit: Click to exit the current user and enter the user selection page; users can set in the settings- -system- -multi-user;

3 Sidebar



The sidebar are applications on the top of the panel , through which you can operate quickly;

Opening mode: Click the expansion button on the left and right sides to expand the sidebar; The 10s without operating in the sidebar will be folded away automatically .

Sidebar functions : Back, Home , Multitask, Note, Control panel, Signal source

3.1.1 Back

Click it once to return to the previous step of the operation until back to the home page or the starting position of the operation;

3.1.2 Home

No matter which page you are currently on, click on the home page icon and quickly return to the Android home page.The current application goes back to the background that users can retrieve in

multitasking;

3.1.3 Multi-task

Go to the system multitasking page to view and manage the running applications in the background;

3.1.4 Annotation

Enter the annotation mode, please refer to the "annotation function"

3.1.5 Control panel

Click the control panel icon to expand the display control panel on the current page. The control panel consists of three modules : Shortcut Tools, "VOL&BRT", and Application list;

3.1.5.1 Shortcut Tools

- Ethernet network: Click to turn on/off Ethernet network
- Wireless network: Click to turn on/off Wireless network
- WLAN WiFi-AP : Click to turn on/off WLAN WiFi-AP
- Timer: Click to turn on/off Timer
- Screenshot: Click to open the screenshot , while the sidebar will automatically hide
- Intelligent eye protection: Click to turn on / off, reduce the screen blue light that damage to your eyes
- Touch sense: Click to turn on / off, when turn on, the screen brightness drops by 30% during touch, and the brightness recovers after 5s without touching to reduce the glare of the brightness during operation or writing
- Energy saving: Click to turn on / off, when turn on, the screen brightness is set to 25 and turned off the auto brightness. If you adjust the brightness manually or turn on the auto brightness, the energy saving mode will automatically turn off
- Child lock: When opening the child lock, touch screen function is unavailable, the child lock icon display on the upper left side of the interface, and the method of unlocking is as follows:
 - Use the remote control and press V-, V-, V+, V+ in turn continuously
 - Child lock file:
 - a. New text document
 - b. Enter U2FsdGVkX18v36IHH2OloQYdlbG+Y18YkDs9R1ACvSE=
 - c. Name the file usb_child_key

- d. Delete the file suffix name.txt
- e. The character is UTF-8
- f. Saved and place it in the root of U disk
- g. Insert the U disk to unlock it in child lock mode
- Screen lock: Click to lock screen , the screen unlock mode can be modified in [System Settings]
- Channel Setting: under the channel, click to open channel settings to set image scale, and HDMI version under the OPS、HDMI channel

3.1.5.2 Quick Setting

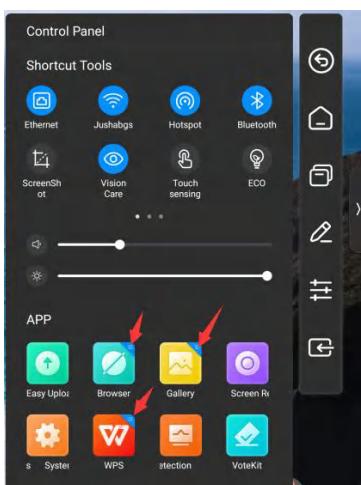
Click the sidebar to expand style setting: When opened , the expansion button displays when the sidebar is folded, you can click the button to expand the sidebar

When off, hide the expansion button when the sidebar is folded , slide out from the left and right edges to the middle to expand the sidebar

- Volume control: Slide to control the volume
- Brightness adjustment:Slide to adjust the screen brightness, the brightness can not be adjust manually when in energy-saving mode; In energy-saving mode, adjust brightness and the device will automatically turn off energy-saving mode

3.1.5.3 Application list

To display multiple the application , long press the application with the Apps marked in blue, you can open the application in the window;



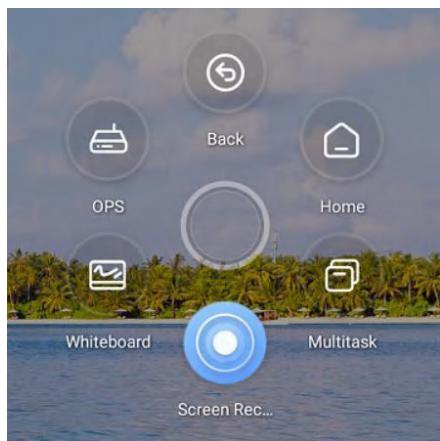
3.1.6 Signal source

Click the signal source icon and the signal source list will appear(connected source is highlighted),click to enter the corresponding channel;

3.2 Compass

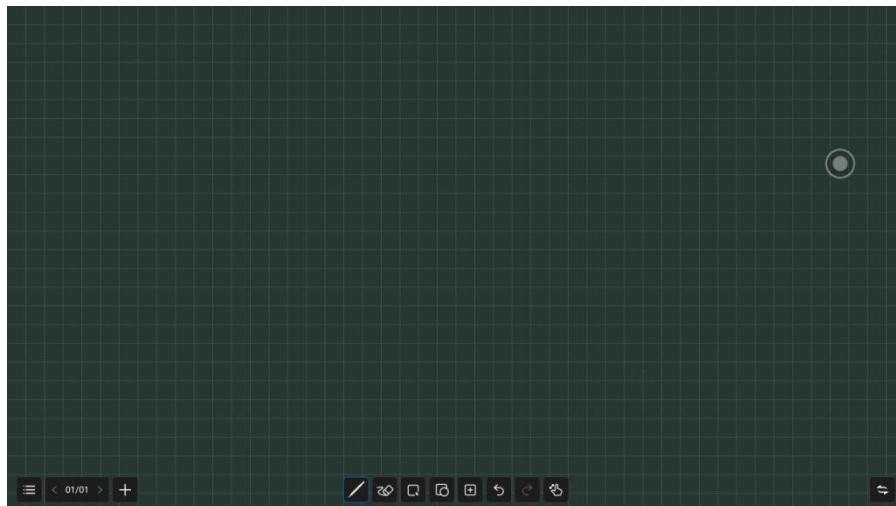
The compass is a shortcut for the users, and the basic operation is as follows:

- Long press the interface with five fingers to open the compass;
- Click the circle middle of the compass to expand or fold up the compass;
- Drag the circle middle of the compass to move the compass position

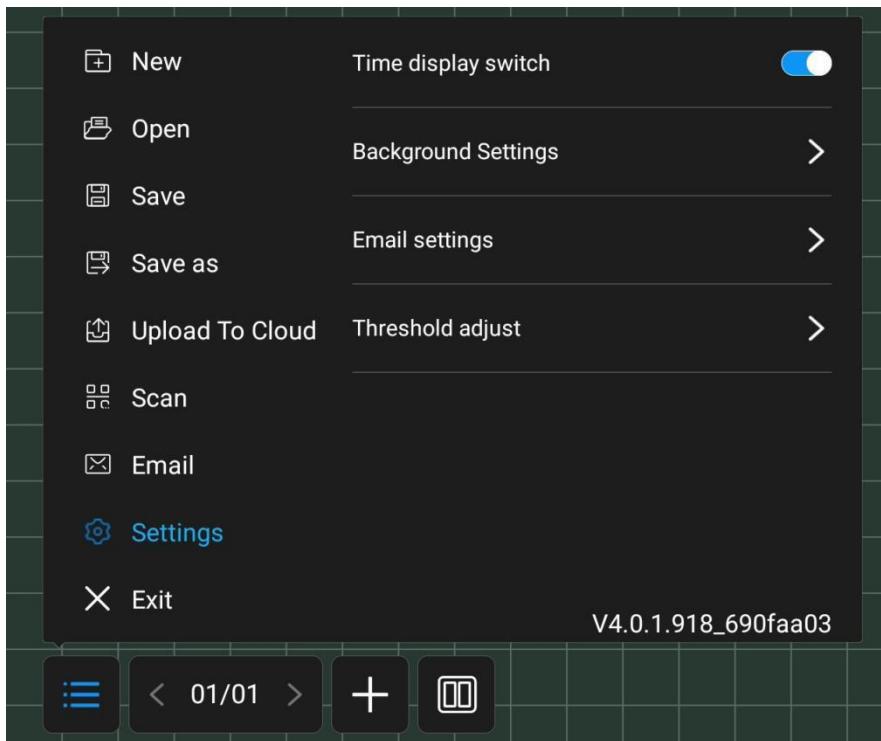


The Compass consists of 6 functions modules, among which the Back, Home, Multitask are the default functions , and the others can be customized, you can set up common functions depend on your preference , the specific operations: Setting- -General- -Compass.

3.3 Whiteboard



3.3.1 Menu



The menu contains New, Storage, Sharing, Close, and Setting up ; basic operations are as follows:

- New: Click on "New" to create a new whiteboard, then the current document is closed; there will a prompt if the current document is not saved;
- Open: Enter the File Manager can see all the whiteboard file ,click to open the file; there will a prompt if the current document is not saved;
- Save: Click on "Save" to save the current document, you can customize file name, select storage path and file save format;
- Save as: Save the current whiteboard file as another whiteboard file, you can customize file name, select storage path and file save format;
- Scan: Click on "Scan" in the Menu panel to show the QR code page, user can download picture and file by scanning QR code; password settings are optional; support the local LAN and external network sharing, users can choose the default mode in the system settings; click on "Encrypt" above the QR code to generate a digit-password, user need to enter the password to get the content.
- Upload to Cloud: Log in to the cloud disk, upload files to cloud disks.

- Email: Send contents on the current whiteboard by email to a specified user, and you need to preset the sender mailbox.
- Exit: Click on "Exit" to exit the whiteboard and close the page and process; the user is prompted to save the file if the current document is not saved.

3.3.2 Setting

Set the basic state of the whiteboard to make the presentation style and interact more matching with user expectations;

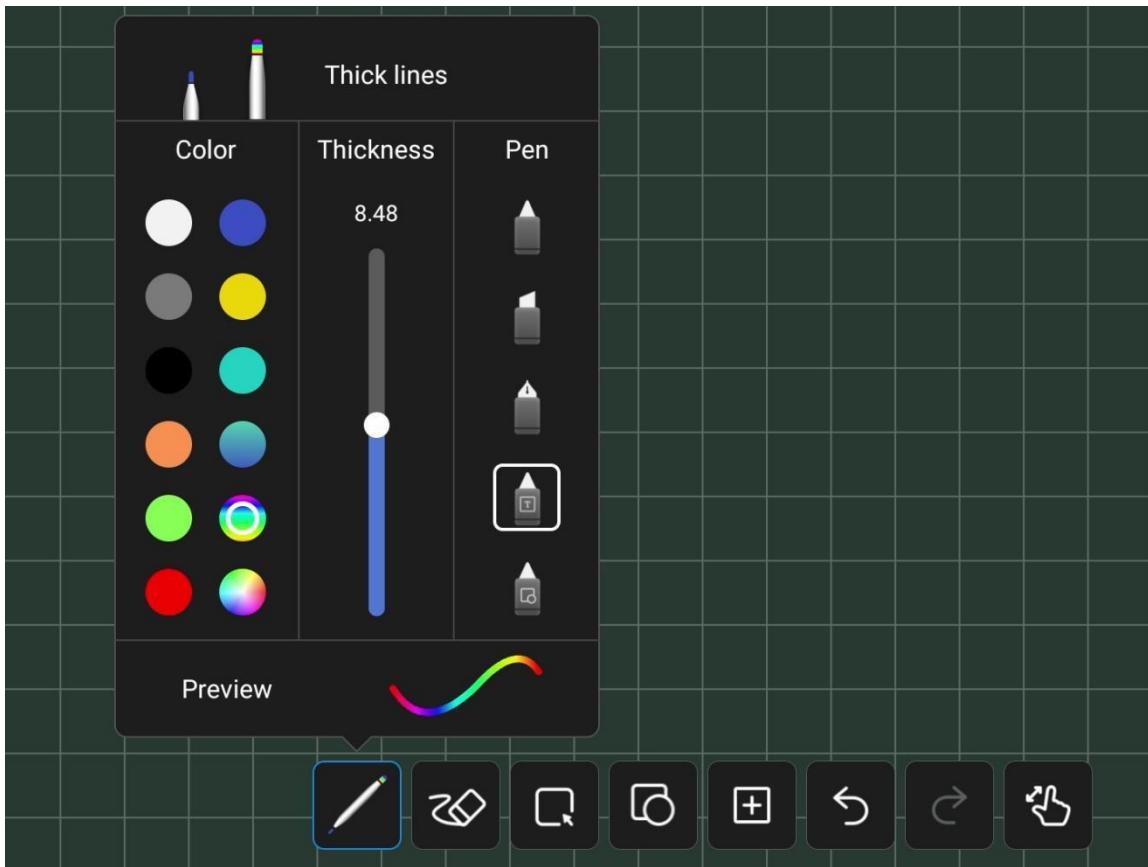
- Showing time: Click to switch on/off; when turn on, it will show the time on the screen, on the other hand, it will not show the time on the screen
- Background setting: Set the default background style when entering the whiteboard, you can select the background color and grid line style ;
- Email settings: Set up the sender mailbox, which is the sender mailbox when sending a whiteboard file;
- Task bar switch: Open to dynamically hide the bottom function bar, click popup/hide
- Threshold: Adjust the sensing threshold of thick and thin pens and erasers

3.3.3 Page Management

Page management is mainly to manage the pages of each whiteboard, including:

- Page up: Click to switch to the previous page of the current page, not clickable on the firstpage;
- Page down: Click to switch to the next page of the current page, not clickable on the lastpage;
- Current page: When is shown as 5/8, the preceding number "5" indicates the current page, and the following number "8" indicates the total number of pages; click to view all page thumbnails; you can delete pages or move the page order on the thumbnail;
- New page: Click to insert a new page after the current page, and jump to the new page.
- Edit: Exported pages, removed blank pages

3.3.4 Paintbrush



- There are two kinds of paintbrush: paintbrush 1 with small touching area; paintbrush 2 with comparatively larger touching area, click one to use; Clicking the paintbrush icon can set the style of paintbrush;
- Color: Preset 9 single colors and 2 gradually changing colors, click to select and effect; brush color can also be customized by the user, click and choose your favorite color;
- Thickness : The minimum thickness is 2.00 and the maximum is 16.00. Click on the white circle to adjust, and the below is a preview for thickness
- Paintbrush style: There are three kind of paintbrush style, normal brush, marker pen and pen, also have two intelligent brush with function of character recognition and pattern recognition , selected it then you can convert your handwriting into printed text and pattern;

3.3.5 Erase



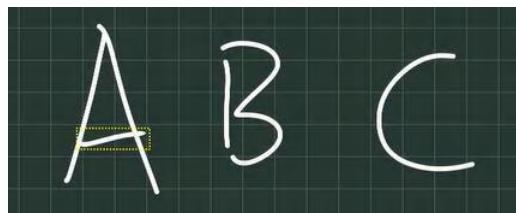
You can erase your handwriting directly with the palm or back of your hand while writing, the following modes are also supported:

- Circle Eraser: Handwriting in the closed-circle can be cleared with just a touch
- Circle to delete: Cross the brush with the object to delete. Strokes that cross or fall within the final circle will be deleted
- Slip Clean screen : swipe "Clear Screen" to clear all the handwriting on the current page

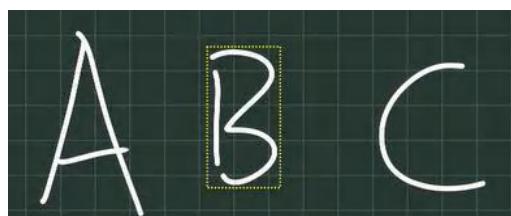
3.3.6 Select

Click on "Select" to switch to the Select mode. click on the handwriting, picture or other elements on the screen to select it, and draw a free closed shape to select the elements within it. The selected element can be dragged moved, multi fingers zoom operation

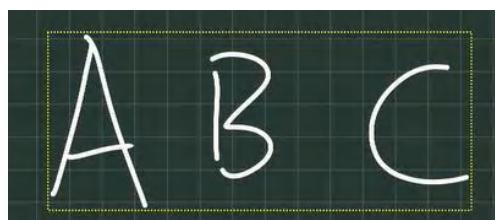
1. Click the selected element



2. Select the element through which the shape passes

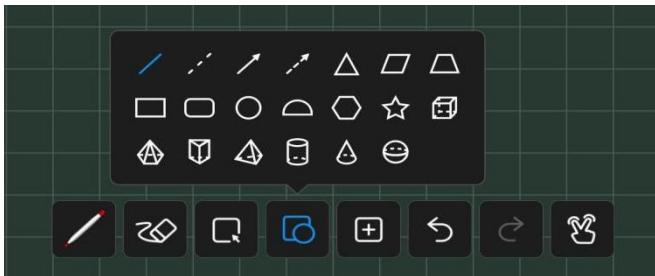


3. Select the element within closed shape

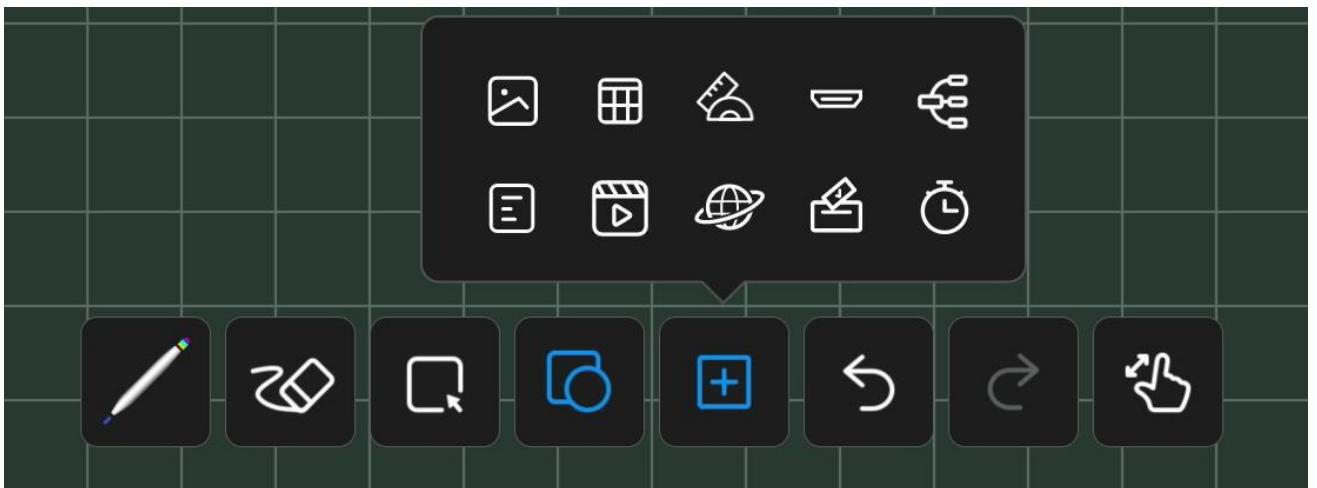


3.3.7 Shape

After clicking on, choose to draw graphics, and then drag the brush in the whiteboard, can draw shapes;



3.3.8 Insert



Inserting function supports inserting multiple elements and contents into the whiteboard, including:

- **Picture:** Enter the file manager-picture page, click the picture to insert; you can select or multi select (up to 10) pictures then insert to the whiteboard.
- **Table:** Click the table icon, select number of the table rows and columns, click OK to insert the table to white board. Use the brush to enter content in the table, table width and height automatically adapt to the brush size; use the selection tool to select the table, and add or delete rows and columns, can also use the brush tool to draw the horizontal or vertical line in the same row or column through the table to add row or column, similarly, use the brush tool to draw "Z" lines in the same row or column through the table to delete rows or columns;
- **Document:** Click the document insert, then enter the File manager-Document page, you can choose PPT, word, PDF file to insert, in WPS free window mode;
- **Video:** Click the document insert, then enter the File manager-Video page, choose video to insert, in media player free window mode
- **Signal source:** Click to select the supported signal sources. Unavailable sources will appear grayed out and cannot be selected.
- **Browser inserts picture:** Click to open the Google or Baidu, enter the keywords then click

, long press the picture which you want to add from the search results page, then insert to the whiteboard;

- Vote: Used for voting in meeting;
- Timer: Used for timing in meeting;
- Mind map: A default three-level mind map can be inserted, sub-levels can be added, and the text box supports writing extensions
- Insert Ruler: Support inserting four types of rulers, rulers, triangles, and protractors

3.3.9 Undo and Redo

Undo: Click the Undo button to cancel the most recent step, and support up to 20 steps

Redo: Click the Redo button to resume the previous undo operation

3.3.10 Single finger/ Multi-finger

Multi-finger write: Click to switch on/off; when turn on, open multi-finger writing mode, can write by 20 people at the same time; when turn off, open single writing mode

Single finger:



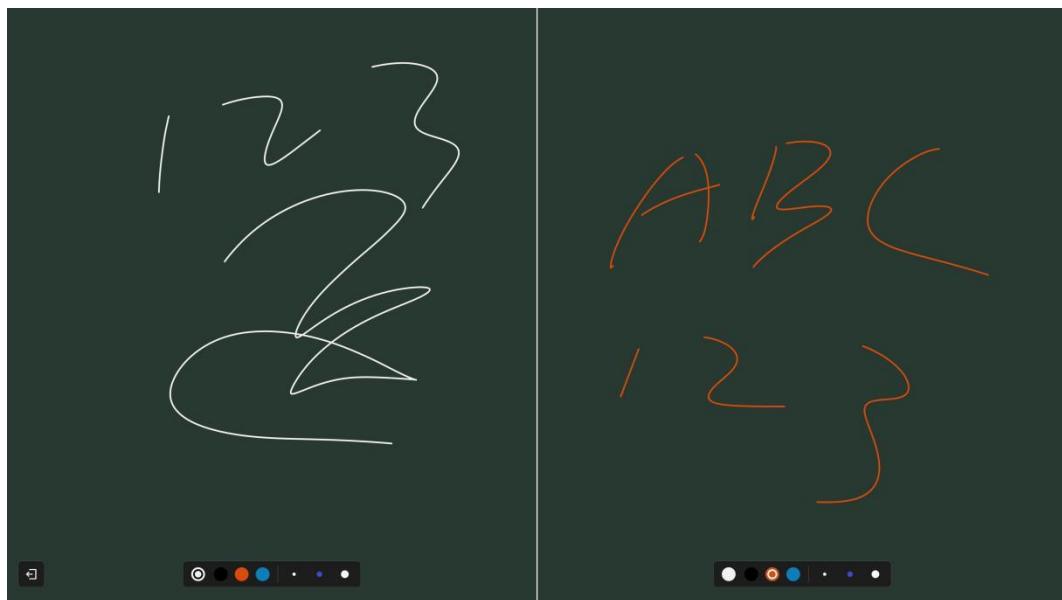
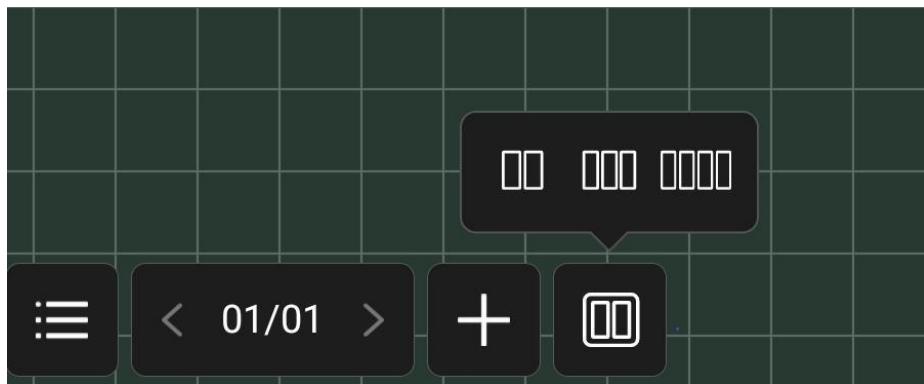
Multi-finger:



3.3.11 Split screen writing

Support split-screen writing: two-split screen/three-split screen/four-split screen

The split-screen interface is a simple whiteboard, retaining the eraser and brush functions



Click Exit in the lower left corner to exit split-screen writing; Each board can be individually set with corresponding brush colors, with 4 brush colors and 3 brush thicknesses to choose.

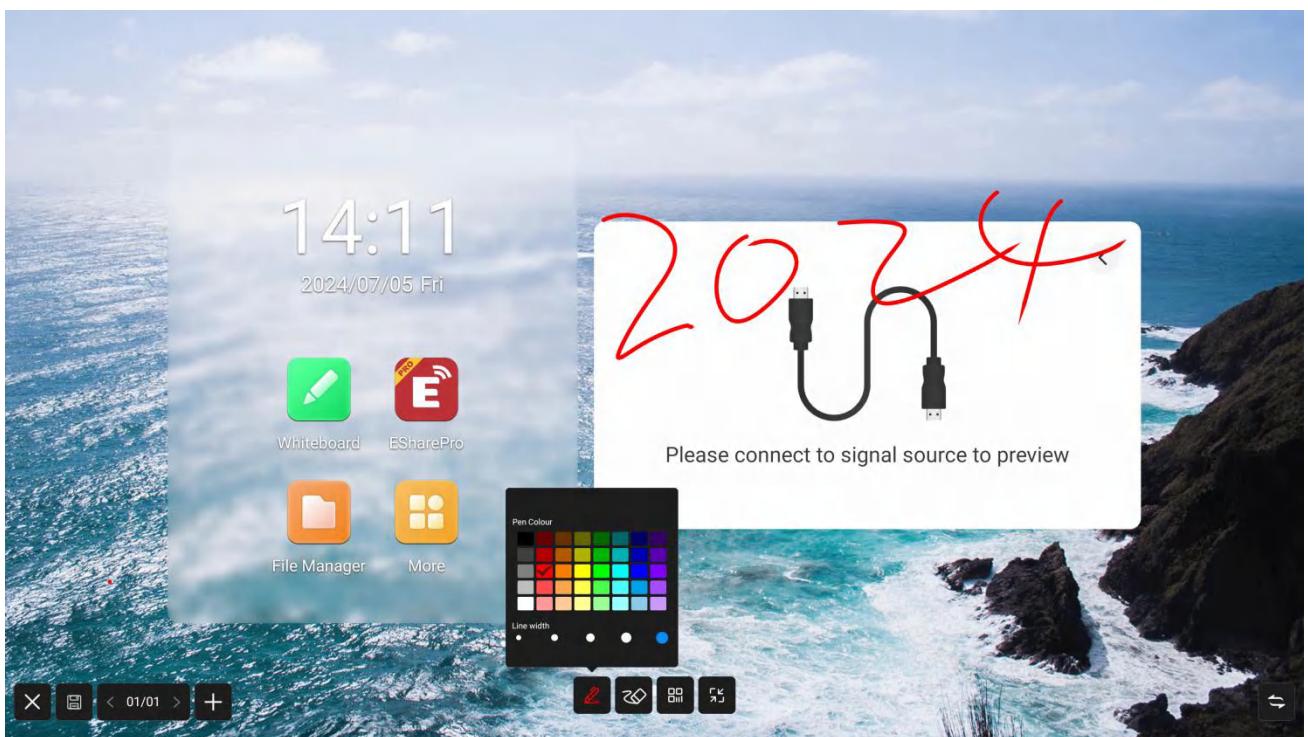
3.4 Annotation

Click the Annotation icon on the sidebar or compass to enter the annotation mode, you can write annotations on the current interface.



3.4.1 Pen

The default stroke is red, and you can touch Paintbrush Icon to select color and thickness.



3.4.2 Erase

Same as whiteboard classic pattern erases.

3.4.3 Scan share

click on "Scan" in the Menu panel to show the QR code page, user can download picture and file by scanning QR code; password settings are optional; support local LAN and external network sharing,

users can choose the default mode in the system settings; click on "Encrypt" above the QR code to generate a digit-password, user need to enter the password to get the content.

3.4.4 Minimization

If you need to switch pages or operate on the current page, you can click to temporarily minimize the annotation mode and enter the annotation mode again through the sidebar or compass

Your previous annotation can be viewed in page management, page management function same as whiteboard, refer to 2.5.3 page management

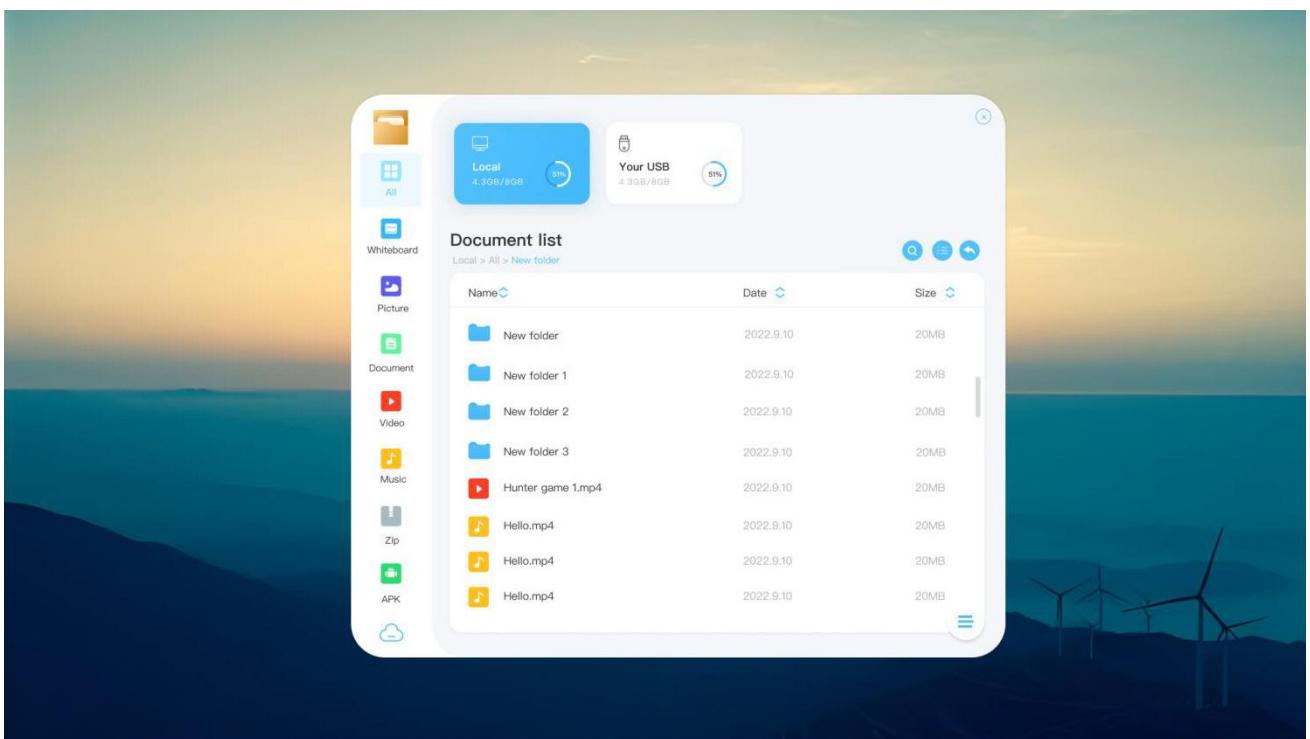


3.4.5 Close and Save

Click the left / right lower corner close button, exit the annotation and empty the annotation content. Before you exit, you can choose whether to save all the content, support saving as picture or PDF file



3.5 File manager

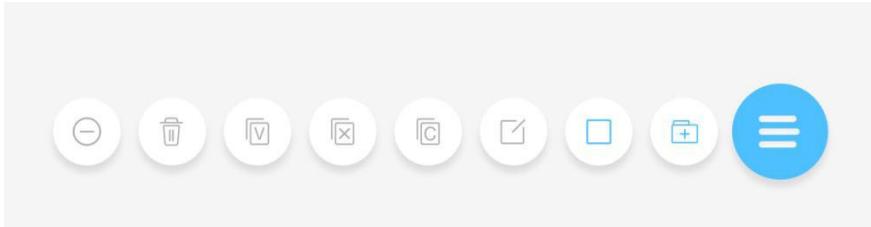


3.5.1 Introduction

File manager can view files within local and external devices of the system, providing two forms of viewing

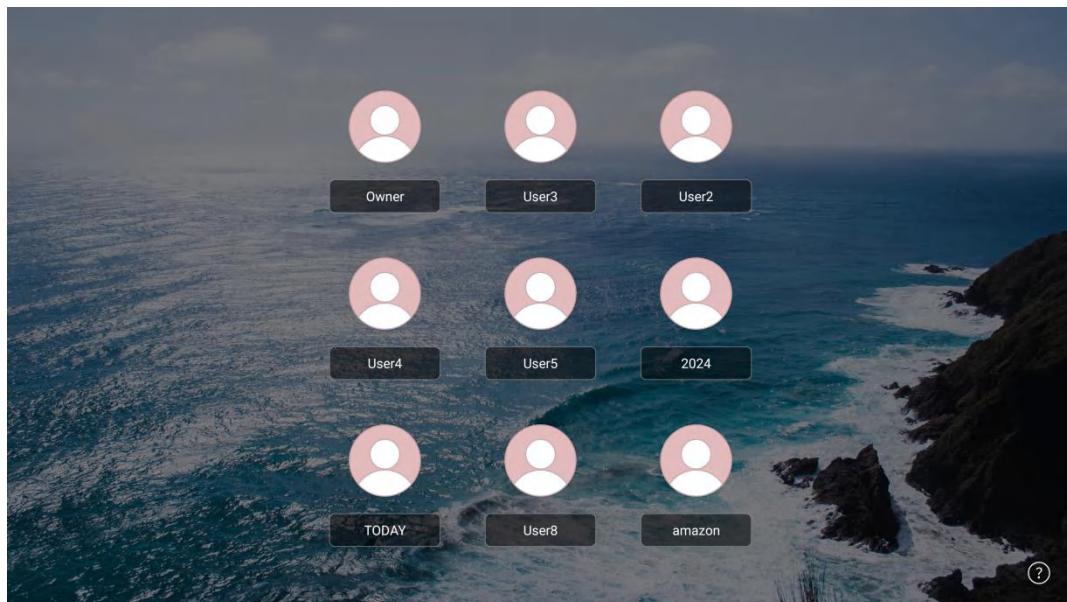
- All documents: Open in the folder directory
- File type: Search files in the local and U disks by file type, such as whiteboard files, pictures, videos, music, compression packs, etc

3.5.2 Common function



- The function bar is collapsed by default, click to expand
Open file: find the file you want to open, click to open;
- Select file: Click in the lower right corner of the file list page to check the file, and support
- operations such as copying , cutting , and deleting after selection;
- Create a new folder: Click on the lower left corner of the file list page to create a new folder;
- File display style: Click the two icons in the upper right corner to switch between tile and list file display styles;
- Sorting adjustment; click the name, size, and time at the top of the file list to adjust the sorting according to these factors;
- Search: Click Search in the upper right corner to expand the input box, enter keywords to search local file

3.6 Multi-user



In order to solve the multi-purpose scenario of IFPD, the multi-user function is proposed;

Multiple users have three permissions: primary user, common user, and visitor. Each device has a primary user by default. The primary user can access Settings, System, and User to create and manage user accounts.

3.6.1 Add and enter multiple users

- (1) Under the main account, enter the Settings -- System -- User, and turn on the multi-user switch to add a user;
- (2) Click "Add User" to enter the page for adding a user;
- (3) Type-in the user name, role and password to complete the creation;
- (4) After the addition, click "Exit current user" in the Launcher to enter the user switching page;
- (5) Select the user and input the password to enter the corresponding user management.

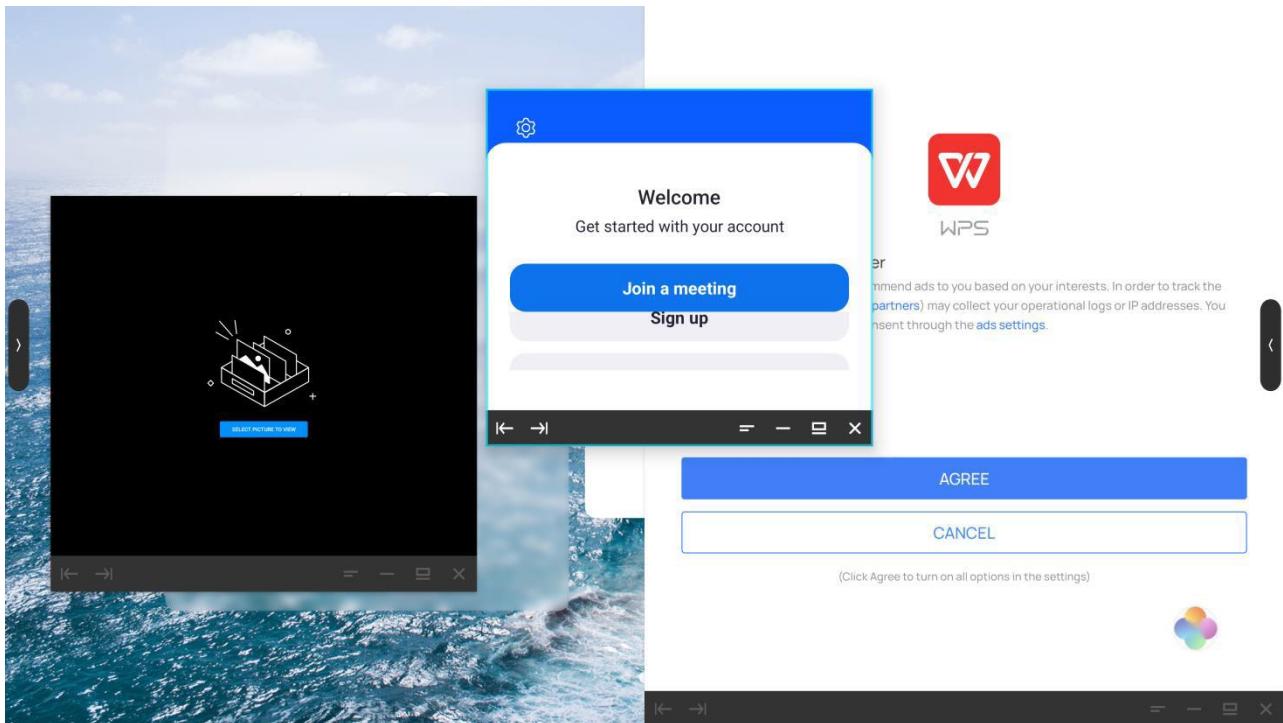
3.6.2 Multi-User Management

Primary users can manage users on the current device. Common users can only manage their own accounts. Visitor users have no account management rights. Account management support:

- Changing passwords according to the scheme: Each user can set their own password to protect their privacy.
- Password reset: The primary user can reset the passwords of other users to prevent the user from being unable to access the account if the user password is lost.
- User name change: Click to edit the user name, replacing the current user name.
- To delete an account, the primary user can delete other accounts, and all user information is deleted after an account is deleted.

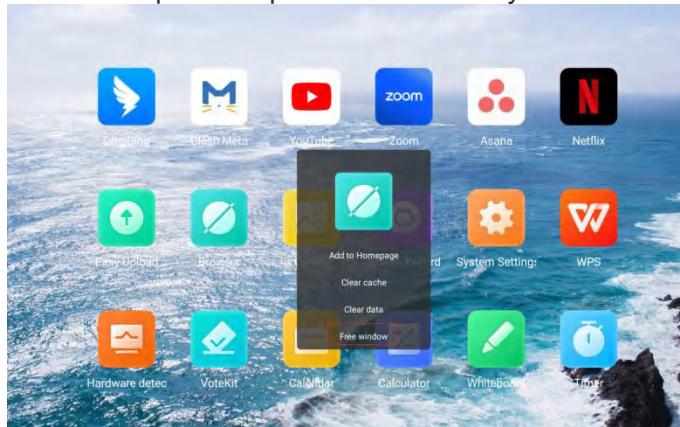
3.7 Multi-window

Multi-window is to facilitate users to operate the functions of different applications at the same time, and display different contents at the same time. The basic operations are as follows:

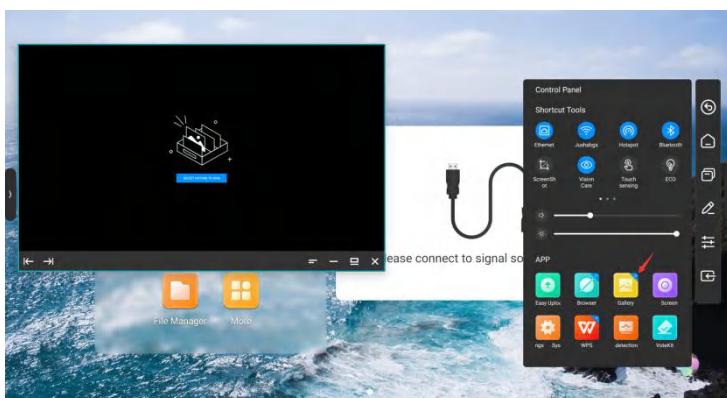


3.7.1 Opening Multi-Windows.

Users can open multiple users in two ways:



- On the menu screen, long press an app icon to pop up a management window, opting for a 'free window' to open your app.

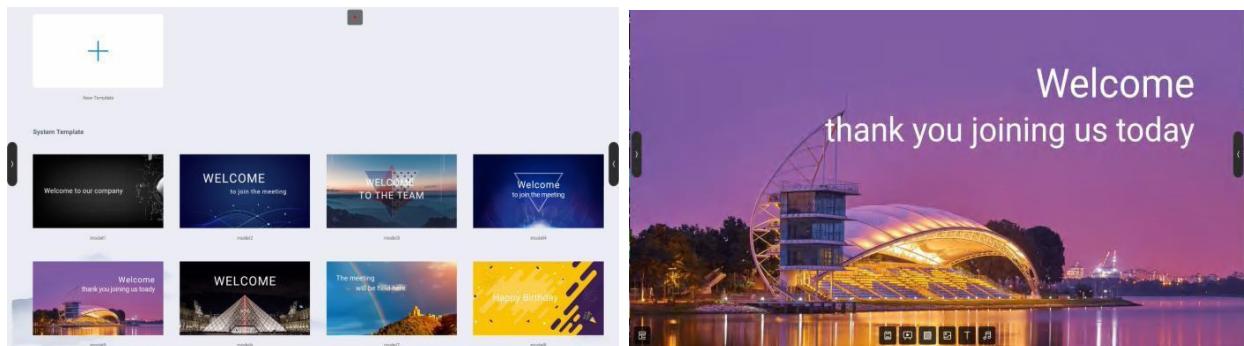


- In the sidebar app management, users can long pressing the Apps marked in blue to 'free window'.
- When using the app, use five fingers snap together in the middle of the screen, users can quickly enter the free window mode.

3.7.2 Multi-Windows Operation

- After opening multi-windows, you can click the corresponding window to select it at the bottom of the apps, and perform the following operations on it.
- Dragging: You can move a free window by pressing and holding the control bar at the bottom of the screen;
- Scaling: Select, press on the edge of the free window and drag to scale the width and height of the window, and click on the corner to scale the width and height at the same time.
- Left and right edge scaling: Tap the scale button   on the left side of the control bar to scale an app by the left/right side of the screen. Operating two applications at the same time can achieve left and right split screen;
- Restoring the original size: Click the Restore icon  on the right side of the control bar to restore the window to its original size.
- Minimization : Click the Minimize icon  on the right of the control bar to fold up the app, which can be found in multitasking.
- Maximization: Click the Maximization icon  on the right of the control bar to apply a full-screen display.
- Close: Click the close icon  on the right of the control bar to close the current application.

3.8 Welcome page



Multiple templates are built in the welcome page. You can click to enter. Users can modify and save the template as a new one.

After entering the template page, users can modify the background, text, music, etc., after the setting, click the button 'play' to display;

3.9 Screen recording



- 1) Click the application icon to enter the application, and the application will open in a small window.
- 2) Click "■", you can start recording, start timing and recording screen; Clicking "■" again can pause timing and screen recording ;
- 3) Click "■" to end screen recording, and the saving option pops up;
- 4) Click "—" to minimize the application, fold up the screen recording function and display it as a square dot;
- 5) Click "■" to close the screen recording. If the screen recording is in progress, it will prompt you to save;

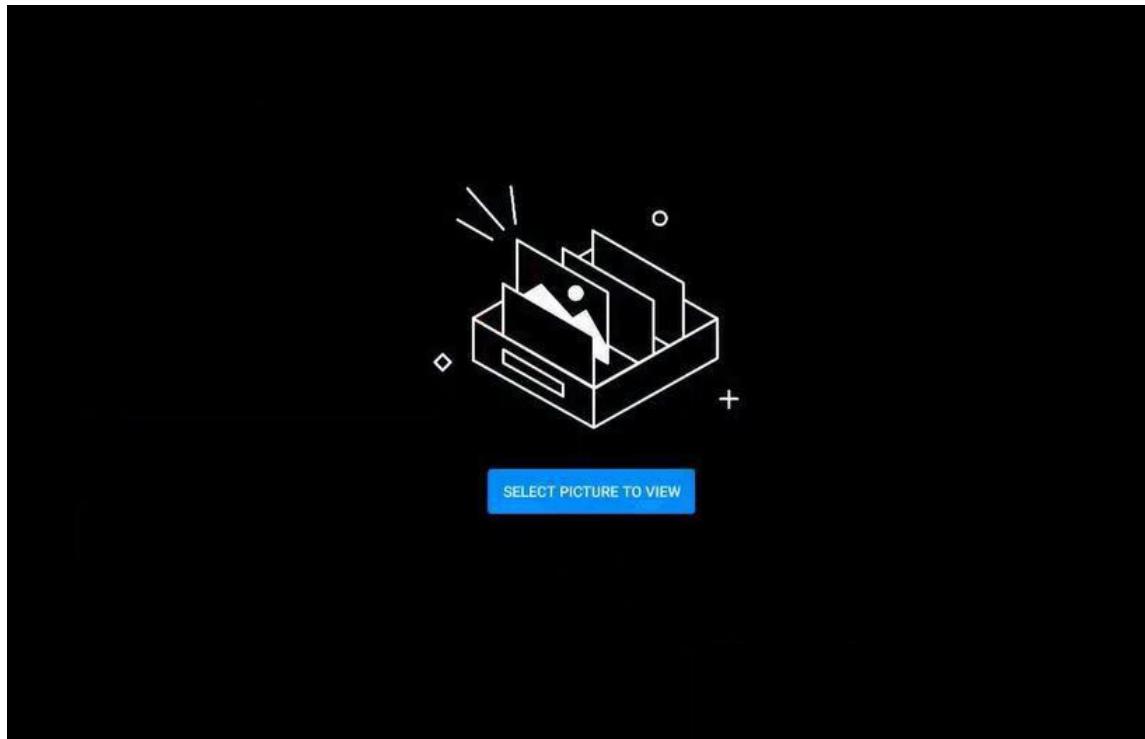
3.10 Screen shot



Screenshot can quickly capture and save the screen content ;

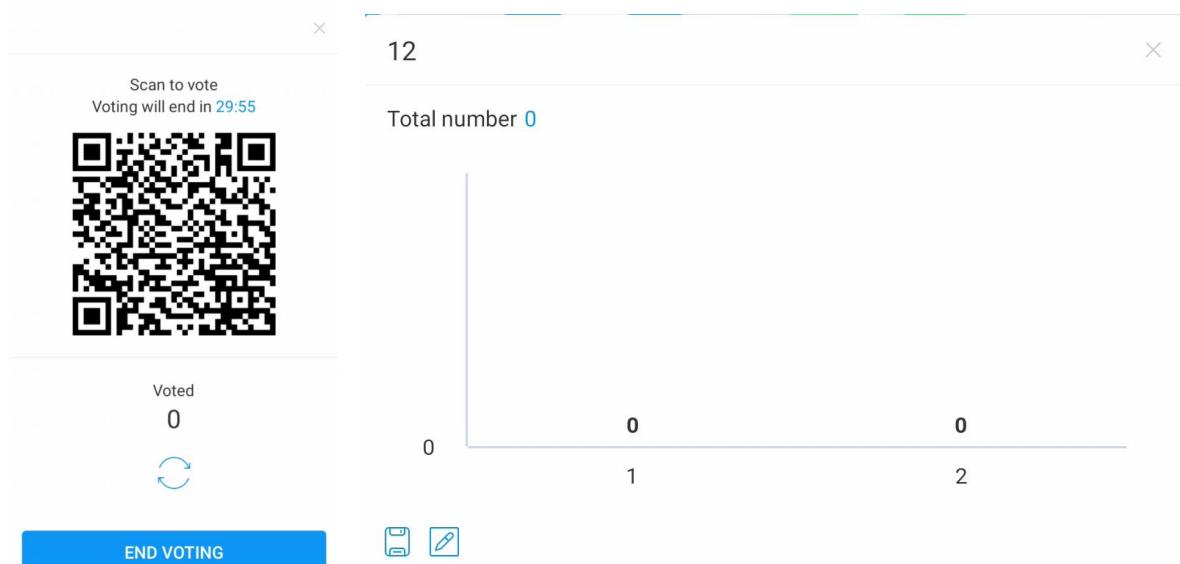
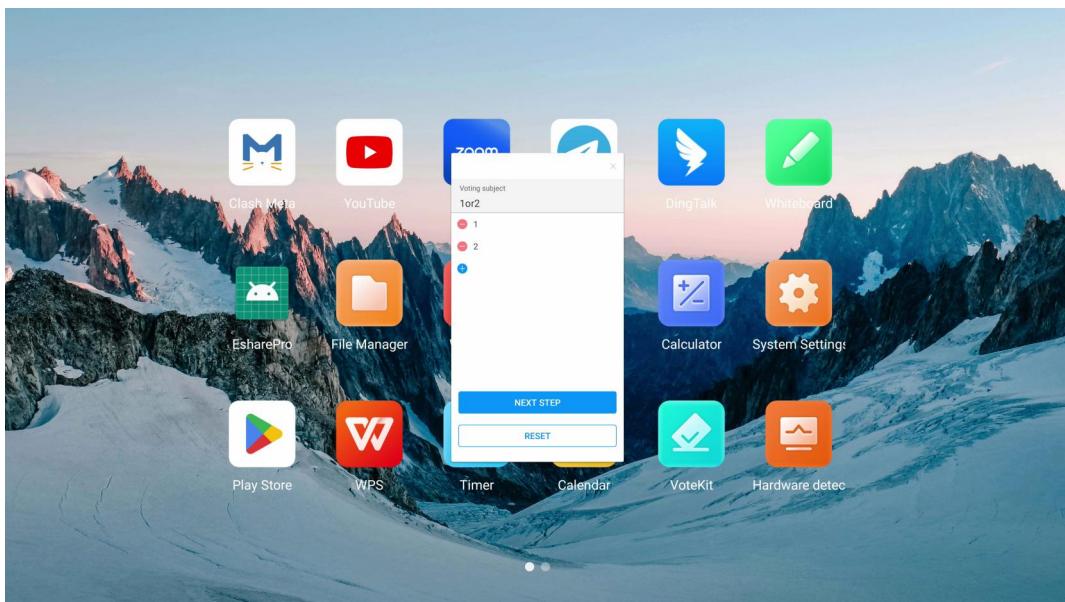
- Click on screenshot icon on sidebar or compass to
- Drag the screen shot circle to move the screen shot position
- Drag cross point to change the length and width of screen area .
- Click  in the right corner to open the whiteboard and place the screenshot into the whiteboard
- Click  in the right corner for a full-screen screenshot;
- Click  in the right corner to close the screenshot function;
- Click  in the right corner to confirm the screenshot and prompt to save;

3.11 Gallery



- 1) Click the application icon to enter the app; Or select the picture in the folder to open, enter the application;
- 2) App renders image preview and navigation;
- 3) Slide left and right to turn pages for display;
- 4) Click the control bar at the lower left corner, and you can do the previous page, next page, flip, rotation and other operations on the picture;

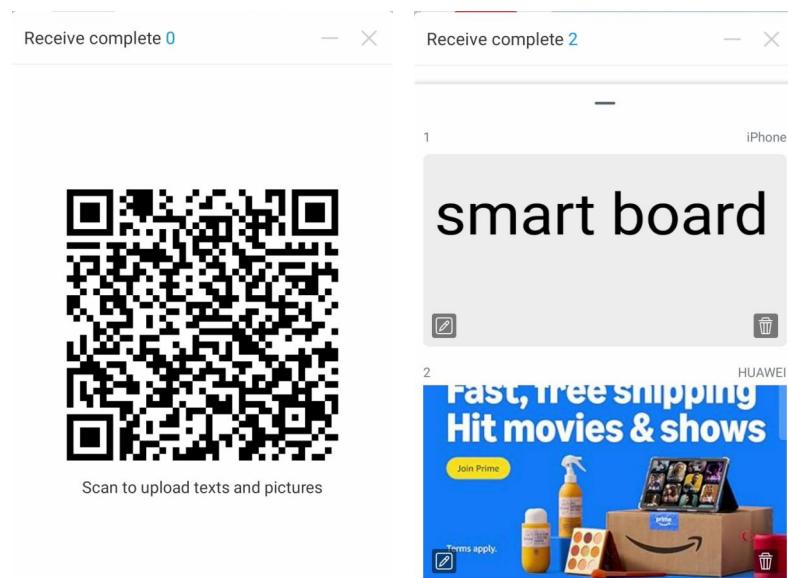
3.12 Voting System



- The voting device can be used only with network support. If there is no network, this function is unavailable.
- Click the app icon to enter the app.
- Display the voting theme and option setting page, click the input box to invoke the keyboard input;
- Click "Reset" to clear options and themes; Click 'Next' to set single/multiple, anonymous/real name requirements;
- Click "Start voting" to present the QR code of voting. Participants can scan the code to vote and the voting results will be updated in real time;

- Click "End voting", the voting ends, the QR code lose efficacy, the voting page is closed; Present the poll results;
- Click 'Save' to save the voting result; Click "Place whiteboard" to insert the voting results into the whiteboard display.

3.13 Easy Upload.



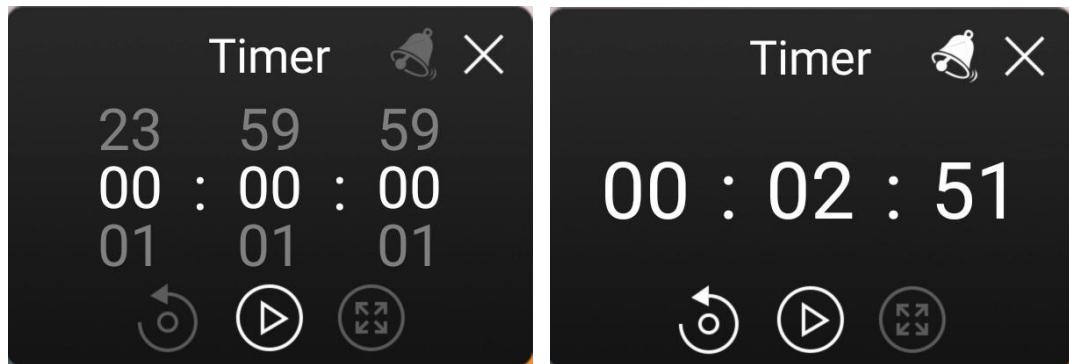
Easy Upload is an application that can quickly upload pictures and text from mobile phones to the IFPD for sharing and display. The basic operation process is as follows:

- Click the application icon to enter the app;
- Scan the QR code on the screen with your mobile phone to enter the page of easy file uploading;
- Select the local picture or input the text content on the mobile terminal and click "Add" to enter the uploading and sending process;
- After uploading successfully, the machine will display the recently uploaded picture or text content;
- Click the "Insert whiteboard" icon in the lower left corner of the content to open the whiteboard and place the selected picture into the whiteboard;
- Click the "Delete" icon in the lower right corner of the content to delete the currently selected picture or text;
- Click the "Minimize" icon in the upper right corner of the application box, and the easy upload

application will be minimized . After the application is minimized, it will be displayed at the top of the page in the form of floating window;

- Click the "Close" icon in the upper right corner of the application box to close the easy upload app. After closing the app, all uploaded content will be cleared and no local saving will be performed.

3.14 Timer



The functions of the timer and stopwatch in one are as follows:

3.14.1 Stopwatch

- Click the application icon to enter the application, and then the page will display 00:00:00;
- Click Start to enter stop watch function;
- During the stopwatch fuctioning, click to pause the timing; Click the reset button  on the left to reset the time to zero. Click  to enlarge the full screen to enter the full screen display;
- Click "Close" in the upper right corner to close the application;

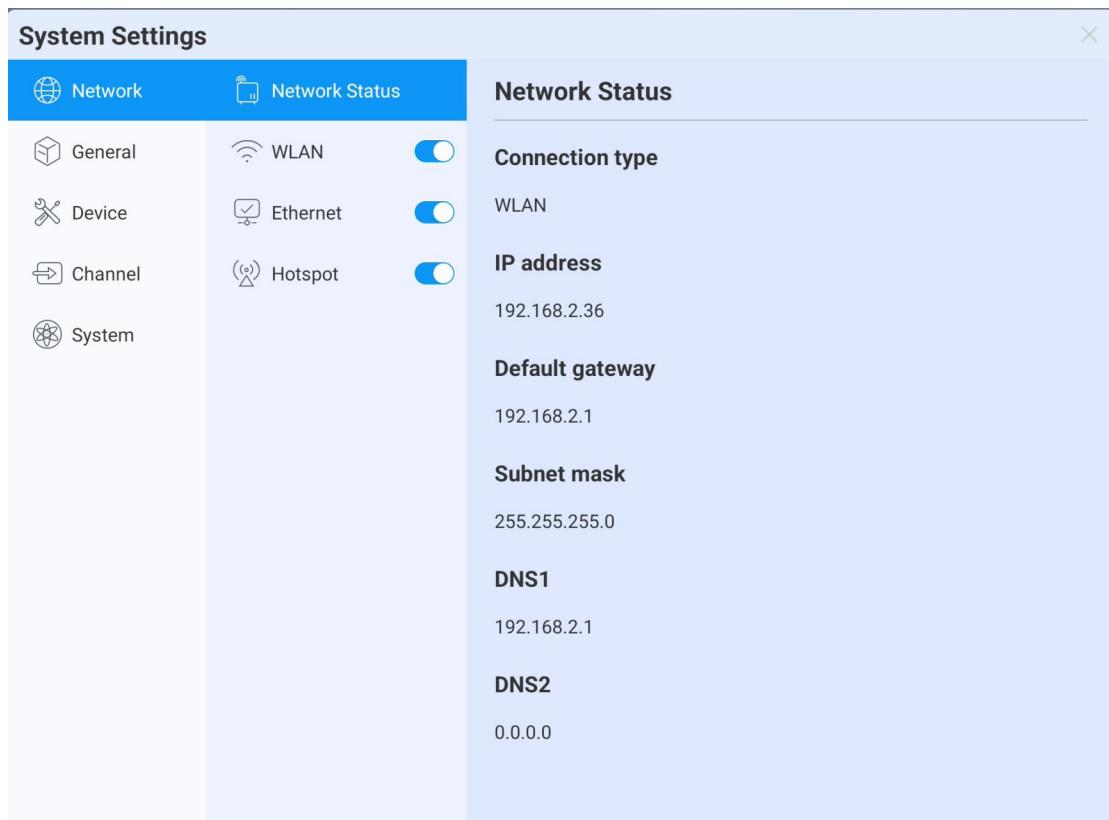
3.14.2 Countdown Function

- Click the application icon to enter the application, the page will display 00:00:00;
- Adjust the time to non-zero and enter the countdown function. Click "Start" to enter the official countdown;
- Click the bell icon to open the dot reminder function. When the countdown ends, the system will have a voice reminder;
- Click Reset to restore the preset countdown time;
- Click "Close" in the upper right corner to close the application;

3.15 System settings

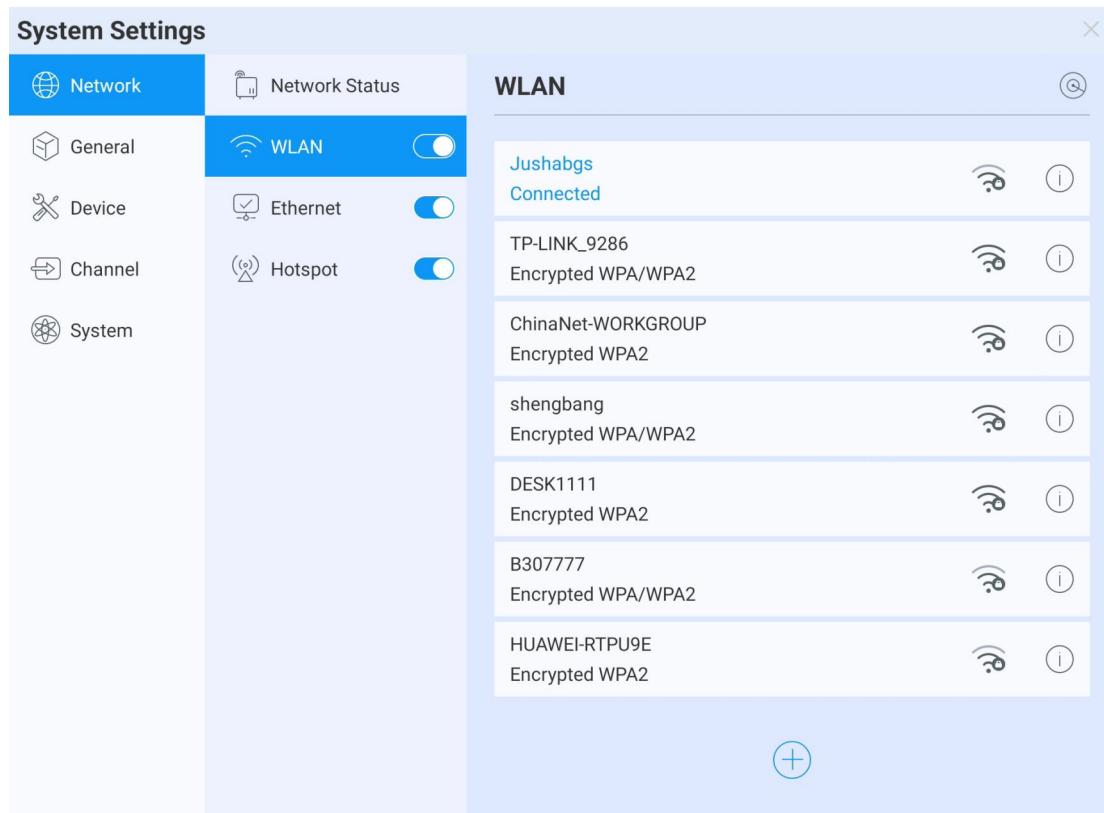
3.15.1 Network

3.15.1.1 Net stat:



3.15.1.2 WLAN:

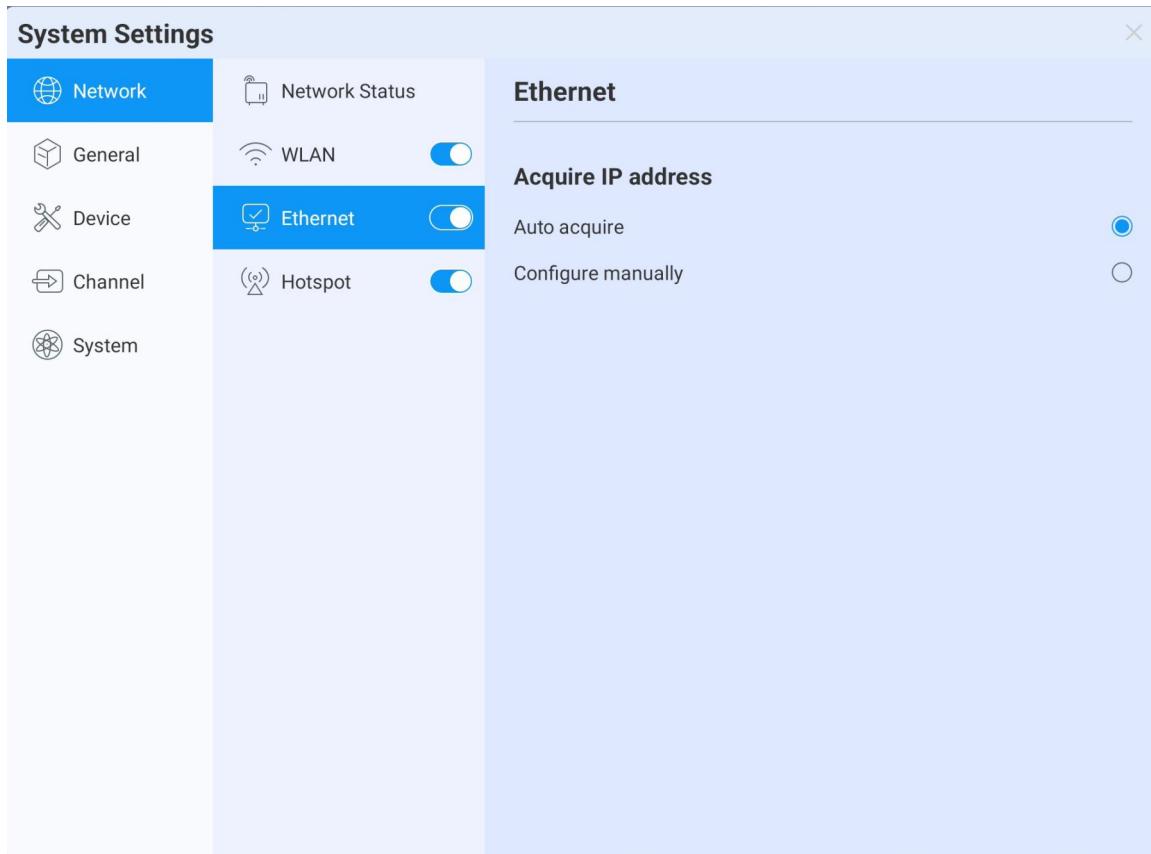
Turn on the wireless network and automatically scan the available wireless network nearby



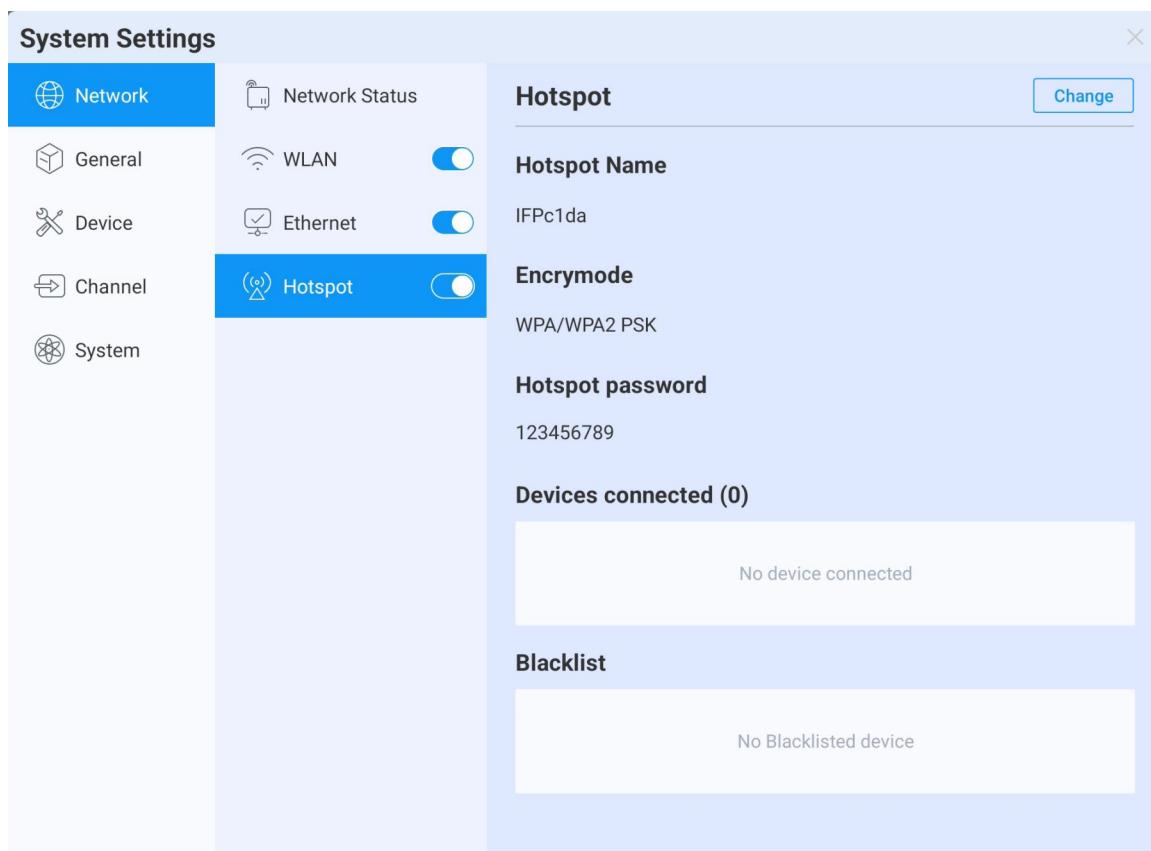
- On-Off: Turn on/off wireless network
- Refresh: Click refresh icon in the top-right corner to refresh Network List
- Add: Click Add button to fill in network name and password to add hidden network
- Connect: Select the network click connection, fill in the password connection

3.15.1.3 Ethernet

- Turn on the Ethernet network and appear access to IP option
- Automatically access the IP connection network
- Manually enter IP address, default gateway, sub net mask, DNS1、DNS2 settings



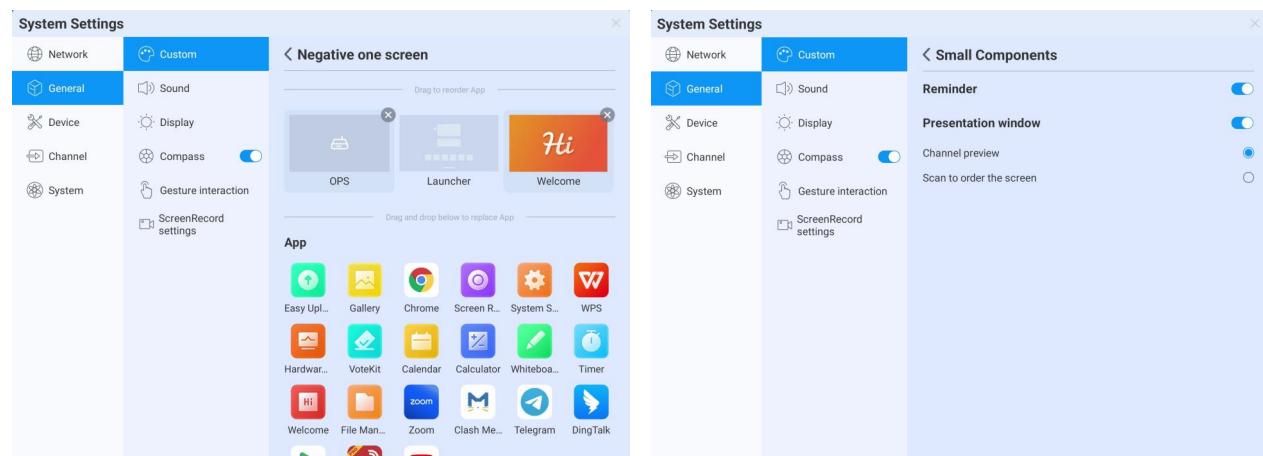
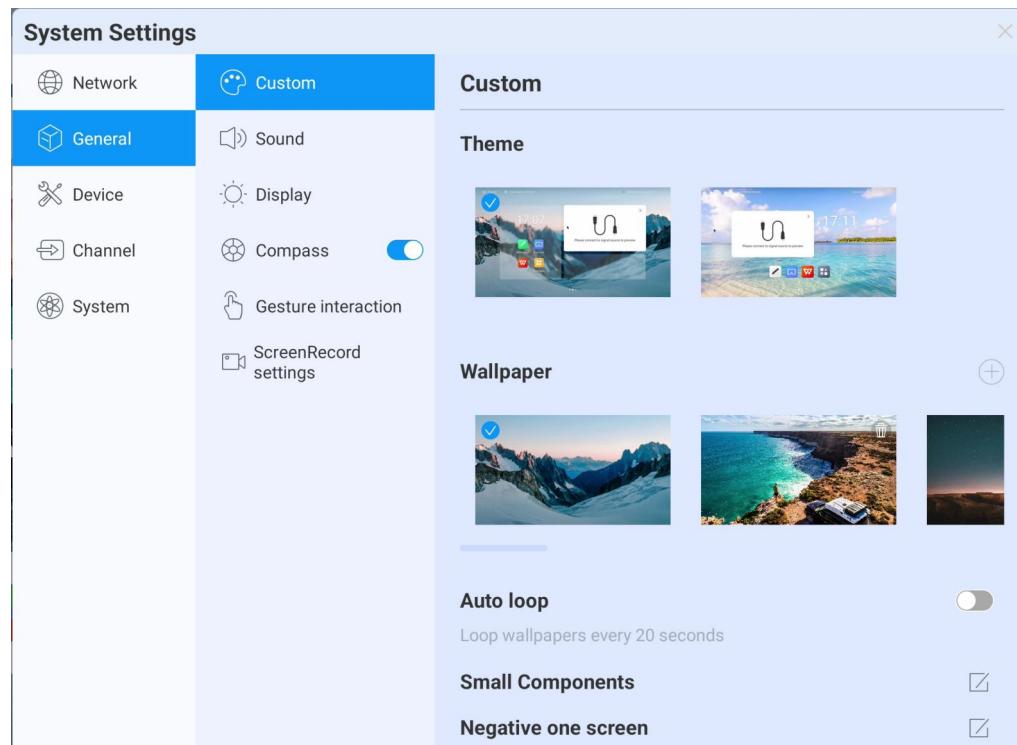
3.15.1.4 WiFi-AP



- WiFi-AP Password: Displays the current WiFi-AP password, click to change;

- Connected devices: Display connected devices;
- Blacklist : Display blacklisted devices which can not be connected

3.15.2 General

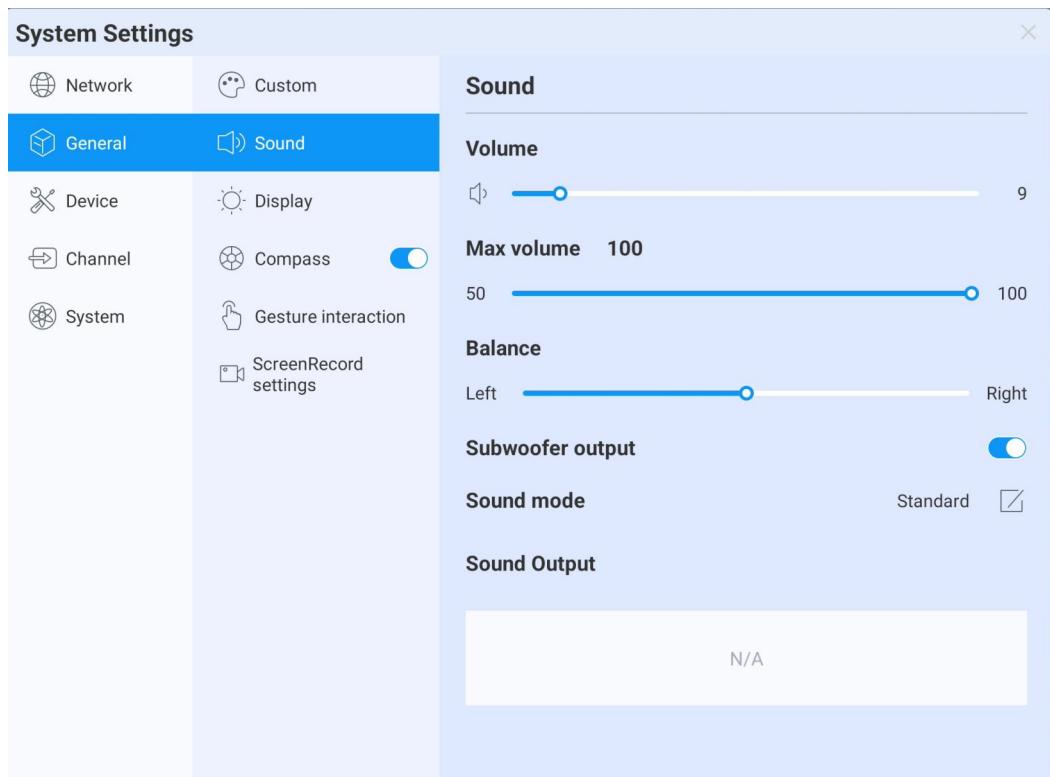


- Theme: The system provides two sets of themes by default. Choose to switch them to present different UI effects on the homepage.
- Wallpaper: The system provides 10 pieces of wallpaper with the automatic rotate multicast; click users can upload the customized wallpaper;
- Small Components: Prompt language switch, control whether page prompt language will display; Display window, can control the switch and display content, also can choose the two functions of

sourcing and scanning code to occupy the screen;

- Negative screen: The negative screen is the page with the left and right slide into the Launcher home page. After entering the function, the user can drag the app to the corresponding page to take effect

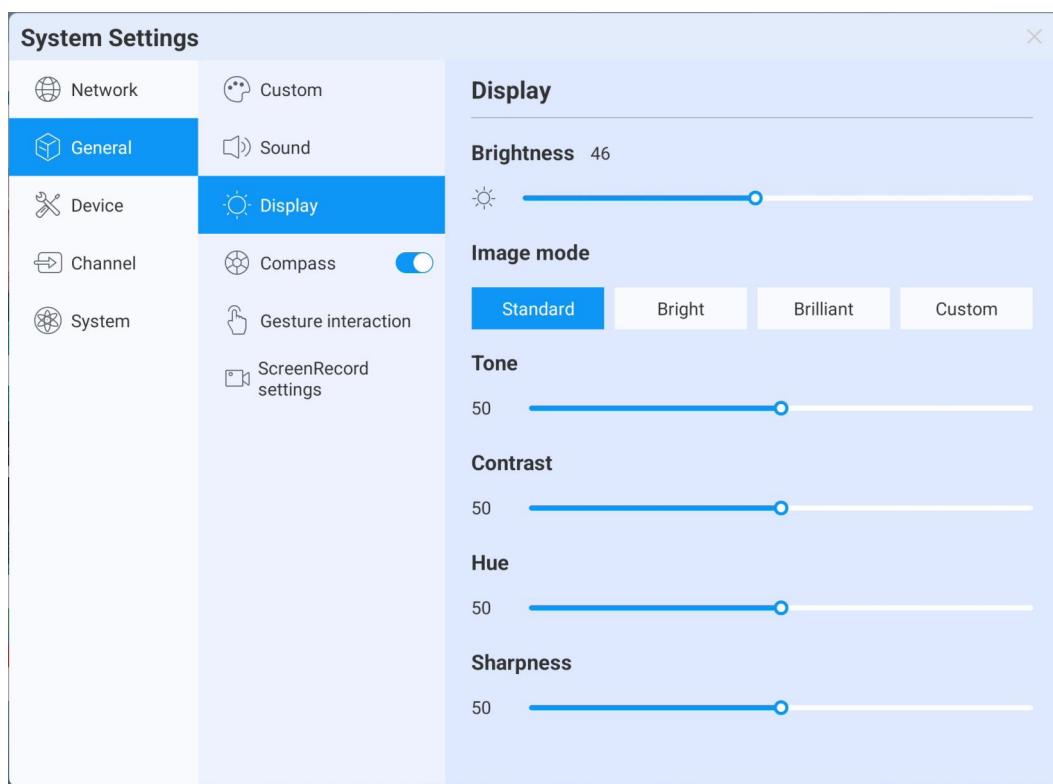
3.15.2.1 Sound



Sound setting is used to adjust the sound effect of the system, adjustable content :

- Volume: Adjust the volume, also can adjust by pushing the "volume+" and "volume-" button on remote control.
- Maximum volume: Set the system maximum volume
- Balance: Balance the left & right channels
- Sound mode: preset standard, conference room, cinema, classroom four sound modes, but also support customizing;

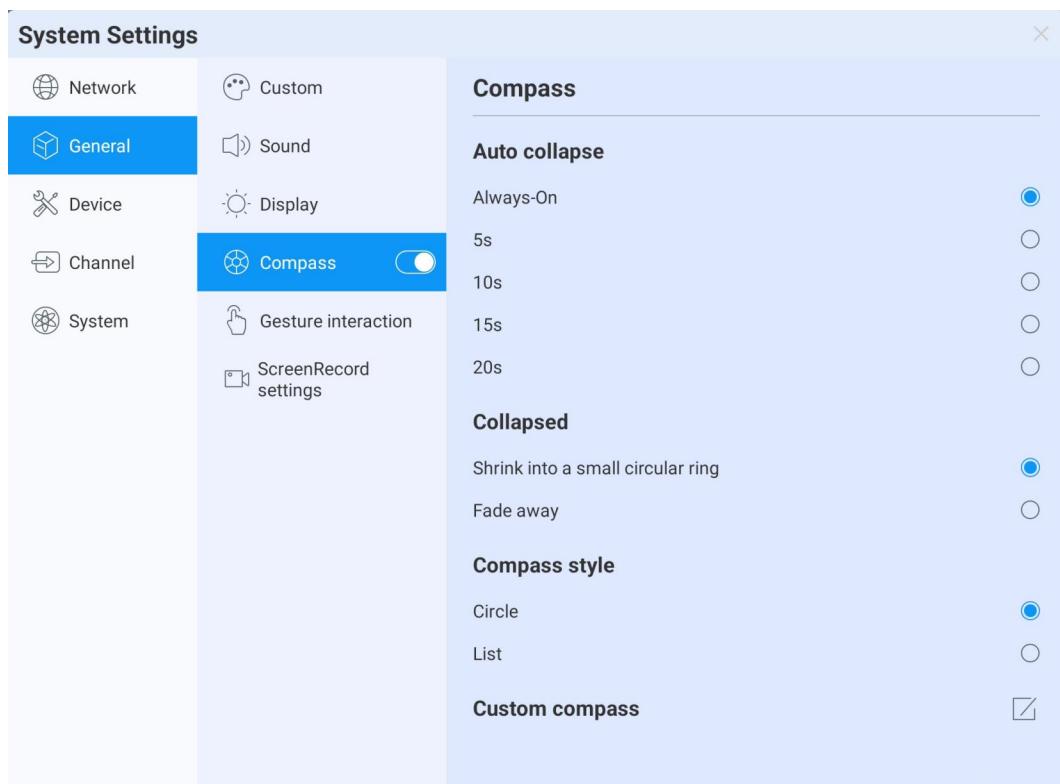
3.15.2.2 Display



Display settings can adjust display effect of the screen,

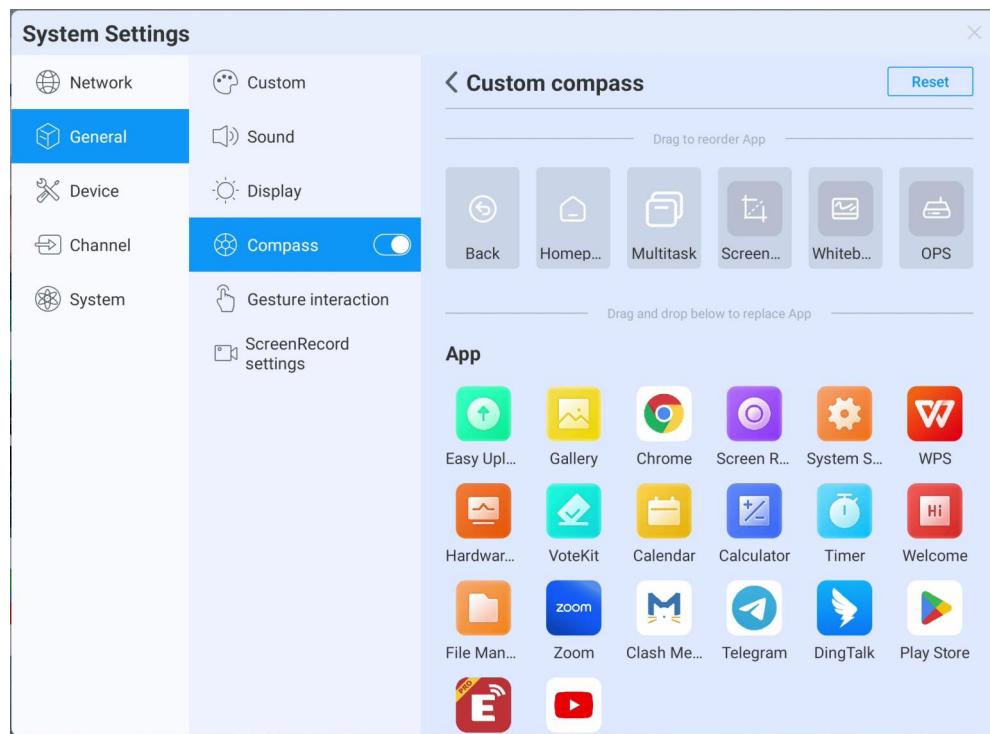
- Brightness: Adjust backlight brightness, the lower the value, the darker the picture;
- Image mode : System default image mode:standard, bright, bright-coloured, but also support customizing;

3.15.2.3 Compass

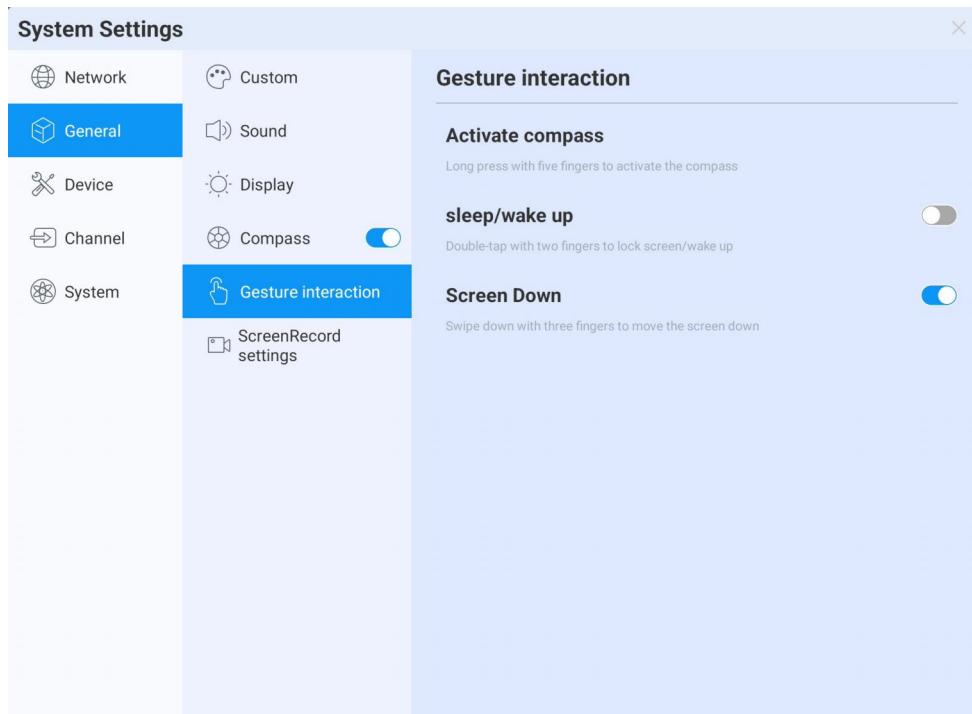


Compass setting is mainly to adjust the compass switch, display time, display style and other functions, specific as follows:

- **Switch:** Click the compass switch, and you can switch the compass display state, can not be called out under the closed state, you can long press the compass with five fingers to open the compass under the open state
- **automatically rewind time setting:** Click to select the corresponding rewinding time.
- **Fold up state:** choose to fold into a small circle, compass fold the surrounding tool options only, keep the circle in the center, click to expand; choosing "disappears", compass fold up and disappear, not shown in screen, need five fingers long press to open;
- **Compass form:** It supports two forms of wheel and list
- **Compass customization:** You can customize the last three application icons on the compass, as the picture shows, drag the application to the location to add:



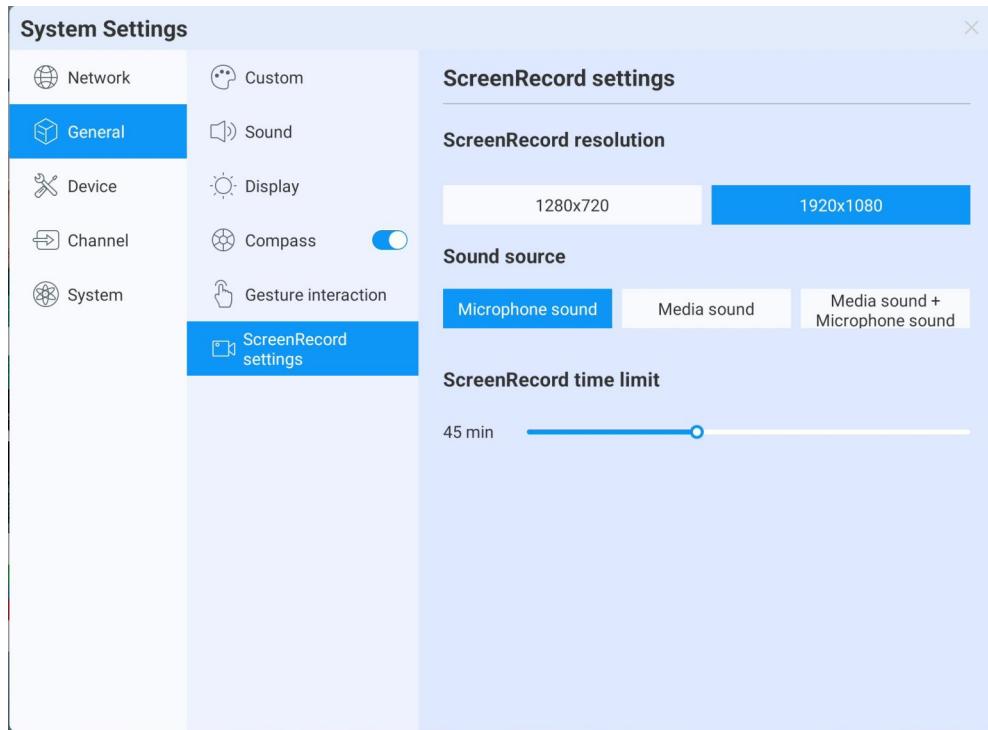
3.15.2.4 Gesture interaction



The system has preset some gesture interactions where the users can switch settings:

- double click with two fingers to asleep or wake up the screen;
- Move down the screen: slide down with three fingers to move down the screen on channel page

3.15.2.5 Screen recording



Preset the screen recording function, including:

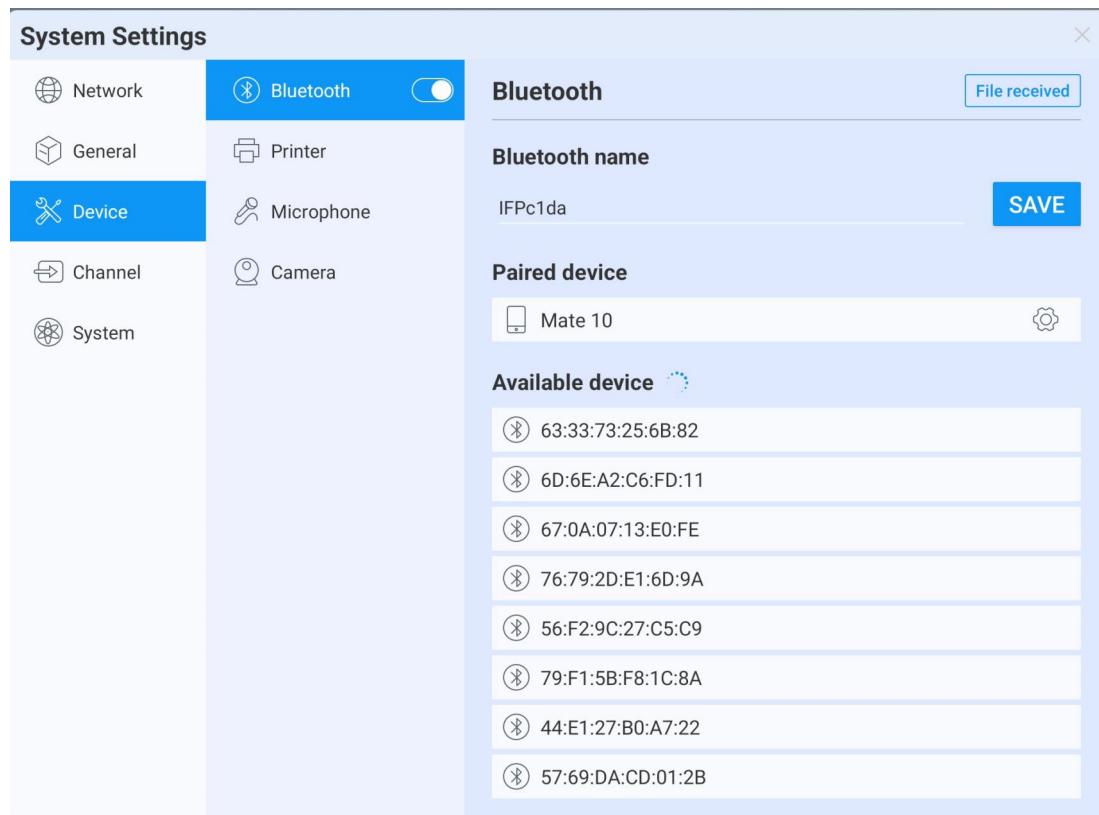
- Recording resolution: Two resolution are optional
- Sound source: Set up the sound source for the screen recording remix
- Recording time limit: Maximum recording time, when the maximum recording time is reached, a prompt will appear to save the recording.

3.15.3 Device

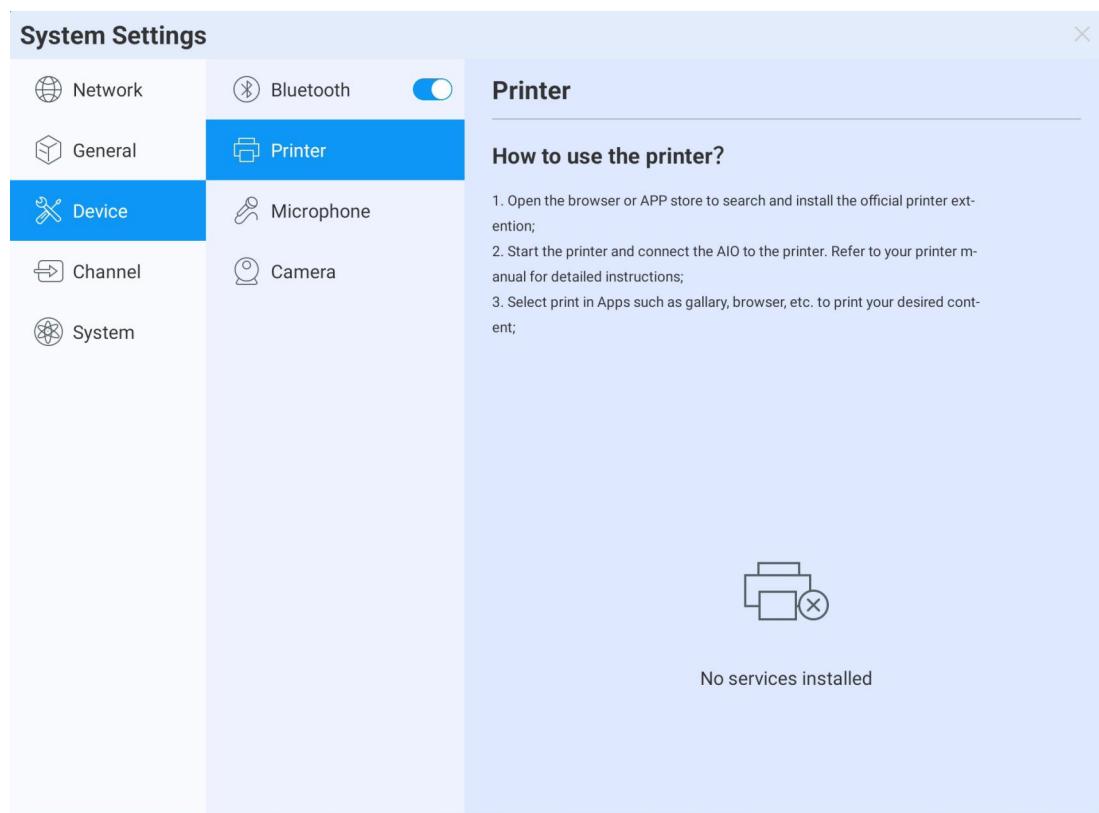
Device control page, mainly adjust the external equipment of the device, including Bluetooth and Bluetooth devices, printer, microphone, camera

3.15.3.1 Bluetooth

- Bluetooth function depends on model configuration
- Enable the Bluetooth function, you can search for devices and transfer files, or find and connect other Bluetooth devices (Including but not limited to mouse, keyboard, headset, audio, mobile devices, PC, universal / unidentified devices)

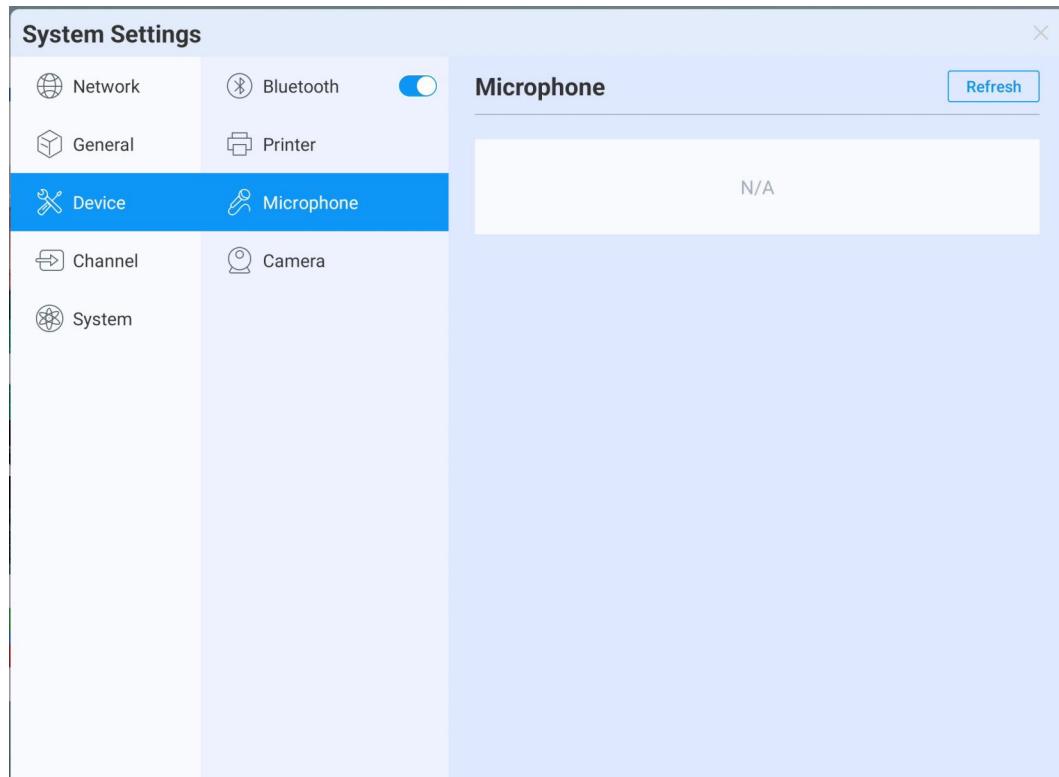


3.15.3.2 Printer



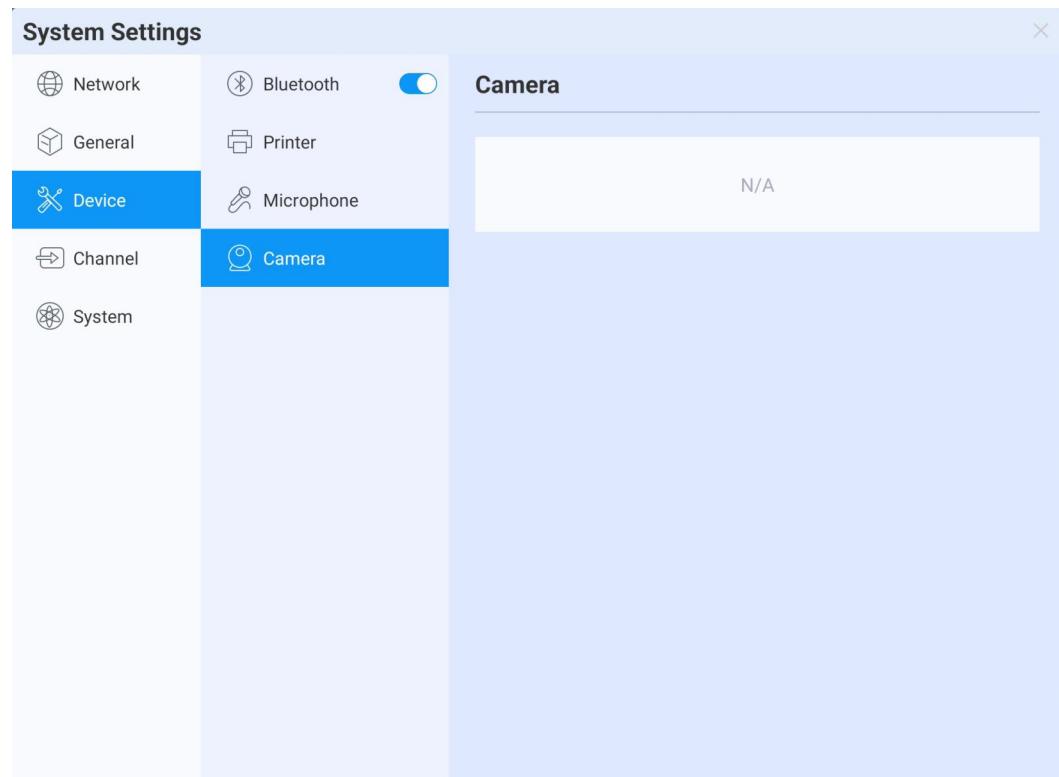
- Install the print service according to the instructions
- Turn on the print service to get the available printer terminals

3.15.3.3 Microphone:



Microphone :View the connected microphone device,all devices are presented in list, click to switch

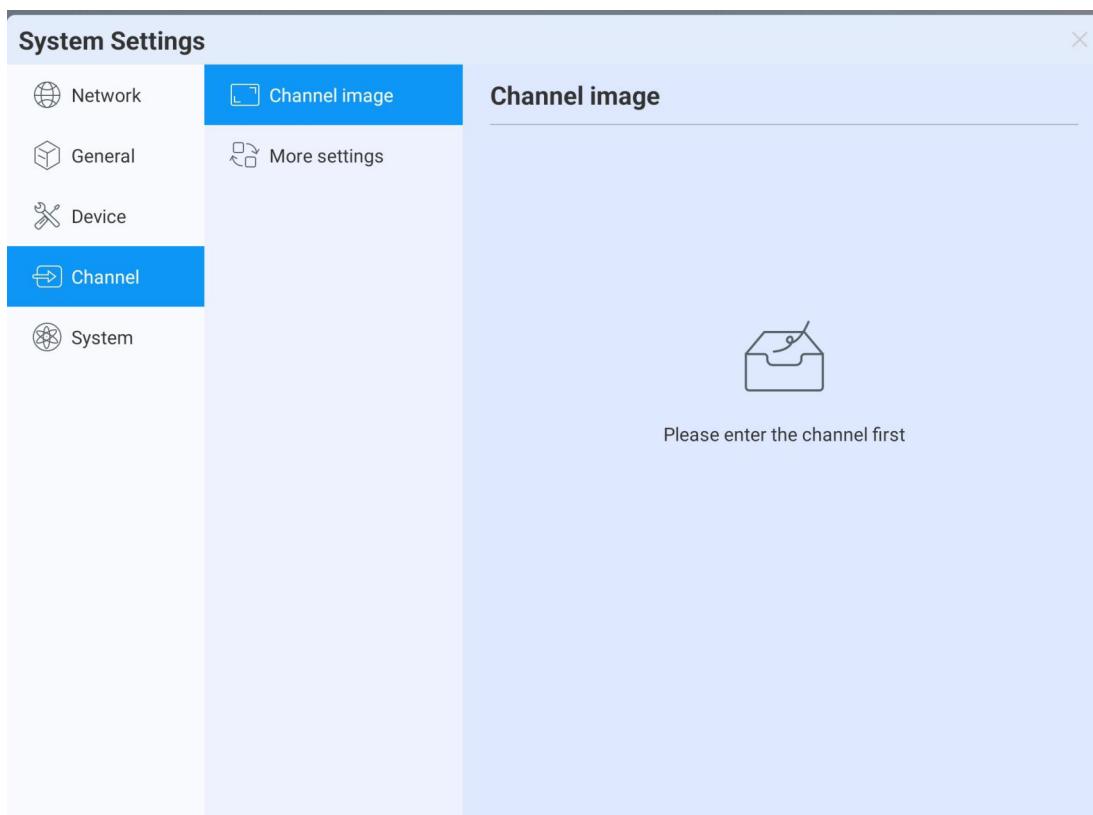
3.15.3.4 Camera



Camera:View the connected camera device; all devices are presented in list, click to switch

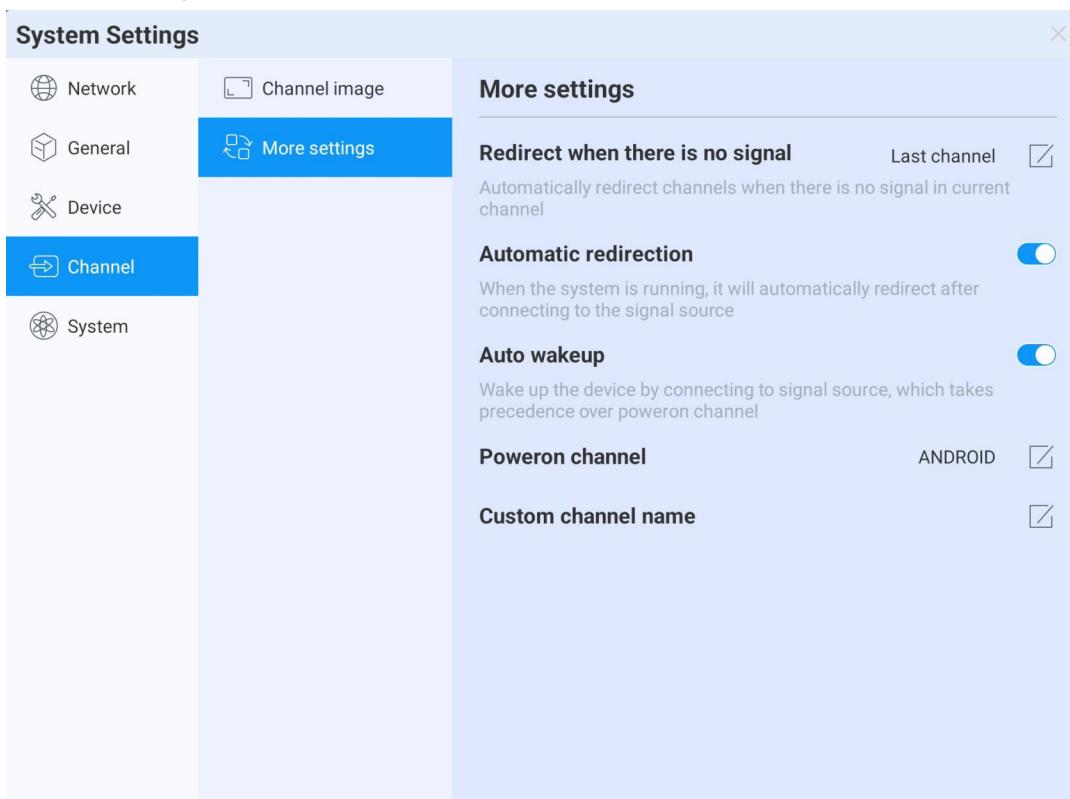
3.15.4 Input Channel

3.15.4.1 Channel image



- Describes the status of the current access source
- Scale mode: Set the display scale of the current input source
- PC mode: select screen display mode

3.15.4.2 Other setting

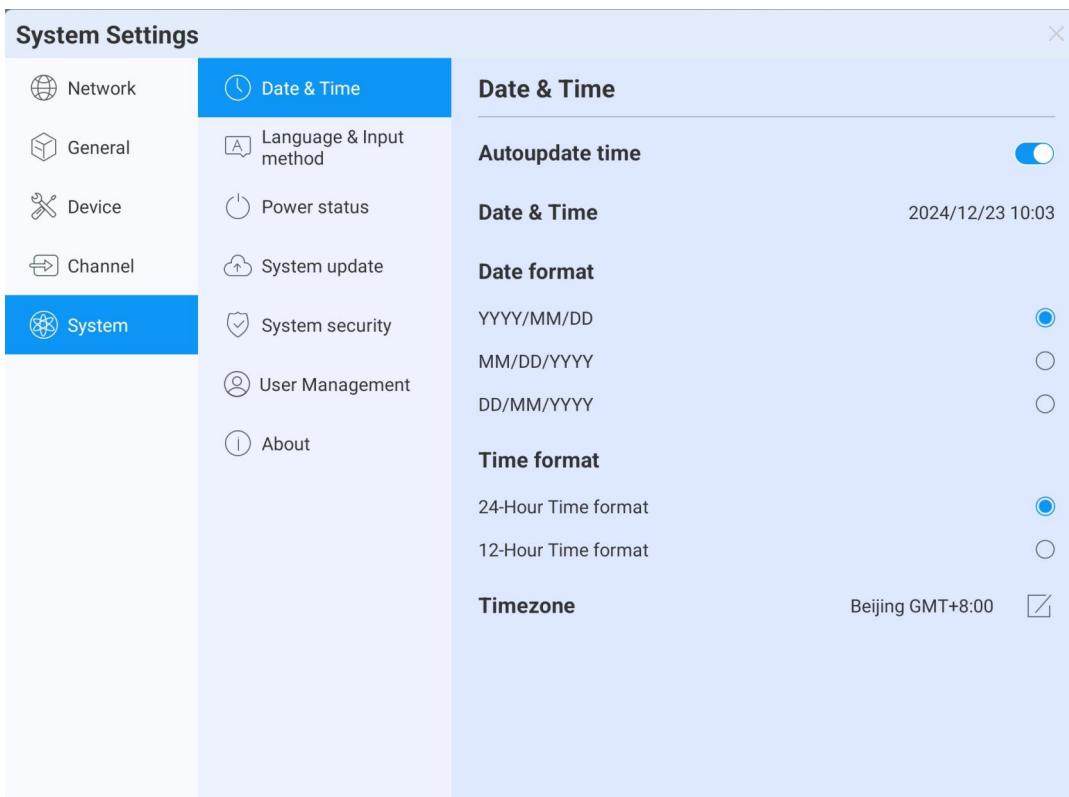


- No signal jump: If the current channel has no signal, the page will automatically switch, and the user can customize the jump page;
- Automatic jump: When the system is running, access the new signal source, it'll automatically jump to the corresponding channel;
- Automatic wake-up: Under standby or sleep state, access the signal source and automatically wake up the device;
- Boot channel: Set up to access to a channel after the boot, can be set to android or each source interface;
- Channel name customization: There are many signal sources and names in the system, users can customize their familiar names, the system will display the new signal source name after customized;

3.15.5 System

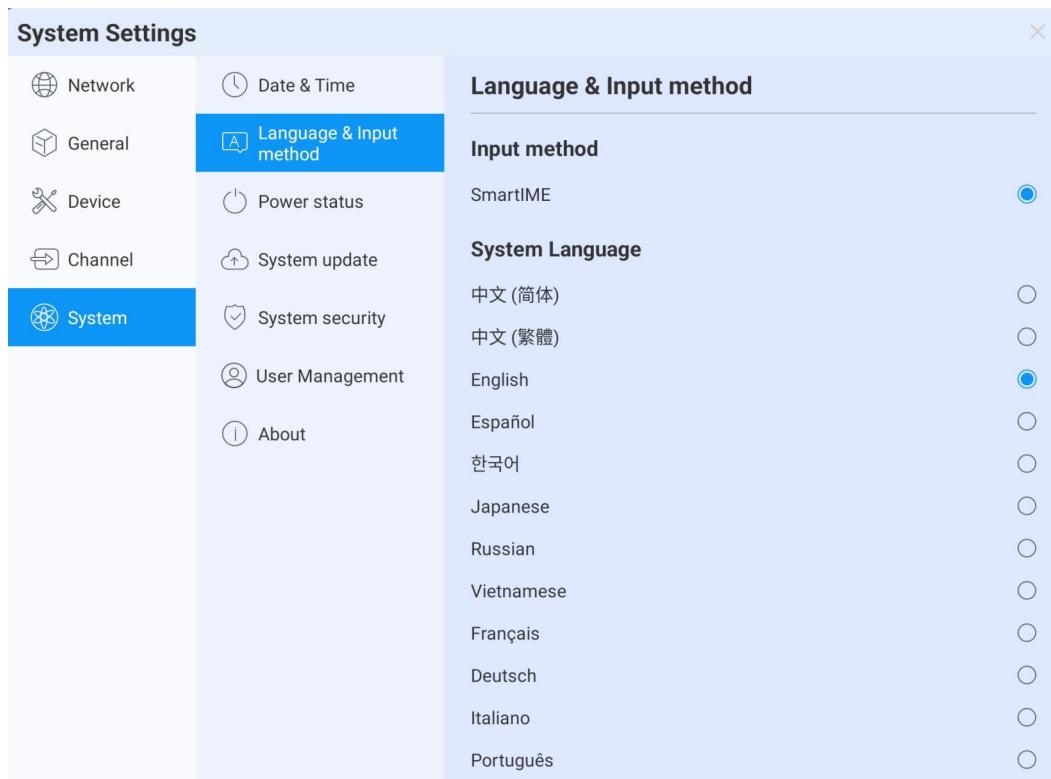
The various system parameters can be adjusted and viewed in the system settings, including: Date and Time, Language and keyboard, Power state, System update, System security, About.

3.15.5.1 Date and Time



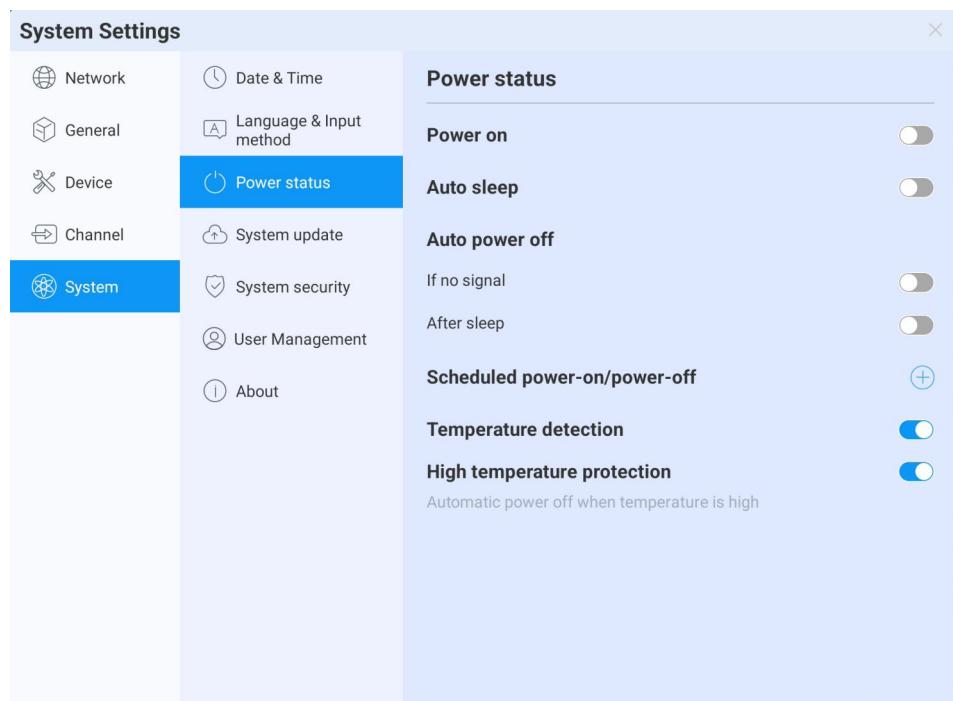
- Automatic update: Enable to synchronize network-time (Need to connect to the Internet))
- Date and time: Turn off automatic update ,click to adjust the date and time;
- Date format: Three date-display format, according to your habit to choose one ;
- Time format: Two time-display format, according to your habit to choose one;
- Time zone : Set time zone , click to enter the time zone selection list

3.15.5.2 Language and keyboard



- **Keyboard:** Users can select the input method here
- **System Language:** System language can be switched in Simplified Chinese, Traditional Chinese, English, French, German, Russian, Japanese, Korean, Polish, Portuguese, Vietnamese, Spanish, Italian, and Arabic .

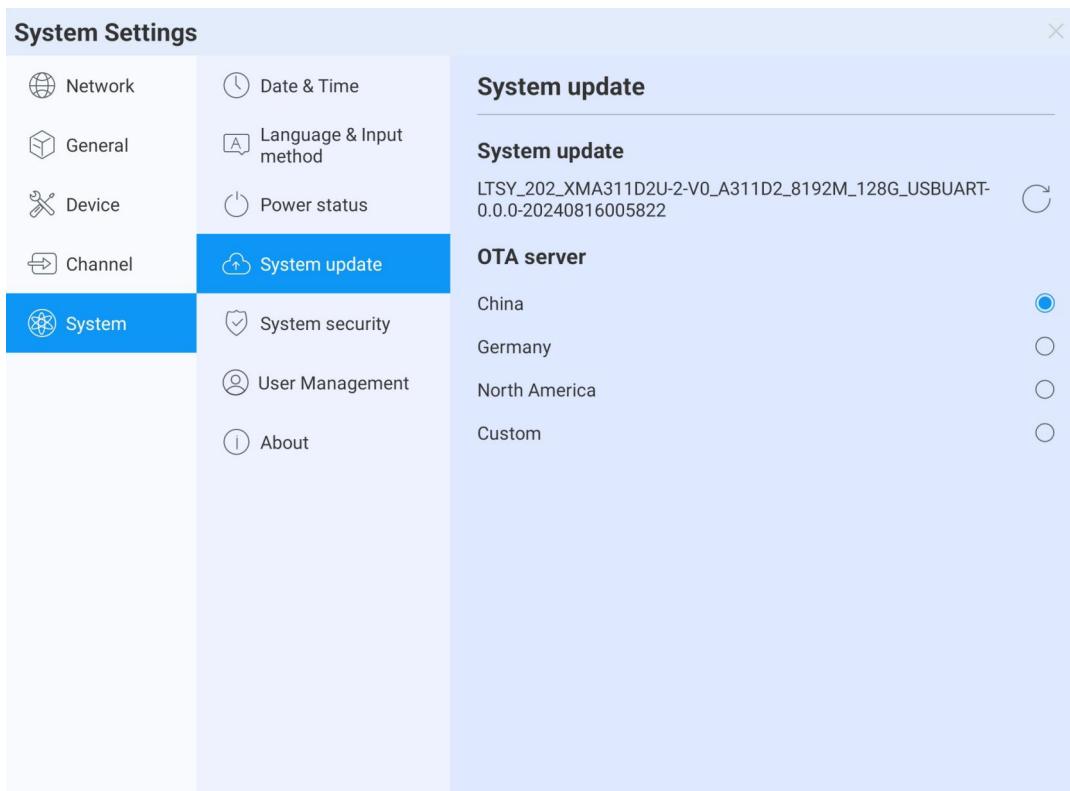
3.15.5.3 Power state



Power on: After opening, the device directly enters the boot state when it is powered on; Otherwise, the standby mode is used by default.

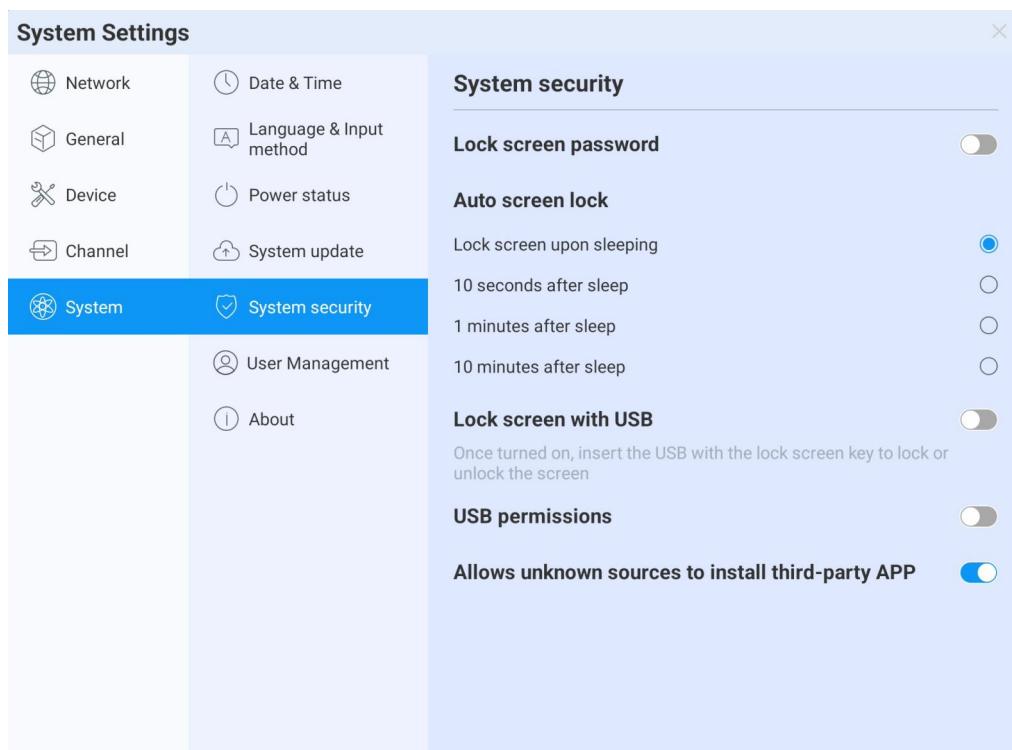
- **Automatic screen sleep :** Choose this function, you can set the screen rest time. The screen will turn off at the end of the screen sleep time.
- **Auto power-off:** you can set the automatic power-off mode, you can choose to automatically power-off after no signal or automatic power-off after screen sleep.
- **Auto On/Off :** Set time to auto on/off.
- **Temperature detection:** The upper right corner status bar will display the current device temperature; you can see temperature status in the status bar
- **Temperature protection:** When the temperature $\geq 85^{\circ}\text{C}$, it will forced shutdown to protect the device

3.15.5.4 System update



- **System update:** Display the current firmware version, click refresh to detect the latest version. When there is a new version, present the update version button, click to enter the upgrade process
- **OTA server:** Use OTA push to detect the new version automatically in networking, you can customize OTA server address

3.15.5.5 System security



- **Lock Screen:** You can set the pattern or password to unlock. If you forget the password, you can only restore the equipment use by factory resets, please keep it properly
- **Auto-screen lock:**
- **U Disk Lock Screen:** Store the "usb_key" file in the root directory of the USB device. Automatically lock screen / unlock after receiving USB flash drive, no need to enter password to unlock

U disk lock screen / unlock file

- 1 New text document
- 2 Entering U2FsdGVkX19eyanxj43a24KpK3kZmzB9
- 3 Name the file usb_key
- 4 Delete the file suffix name .txt
- 5 The character is UTF-8
- 6 Saved and place it in the root of U disk
- 7 Insert the U disk to unlock

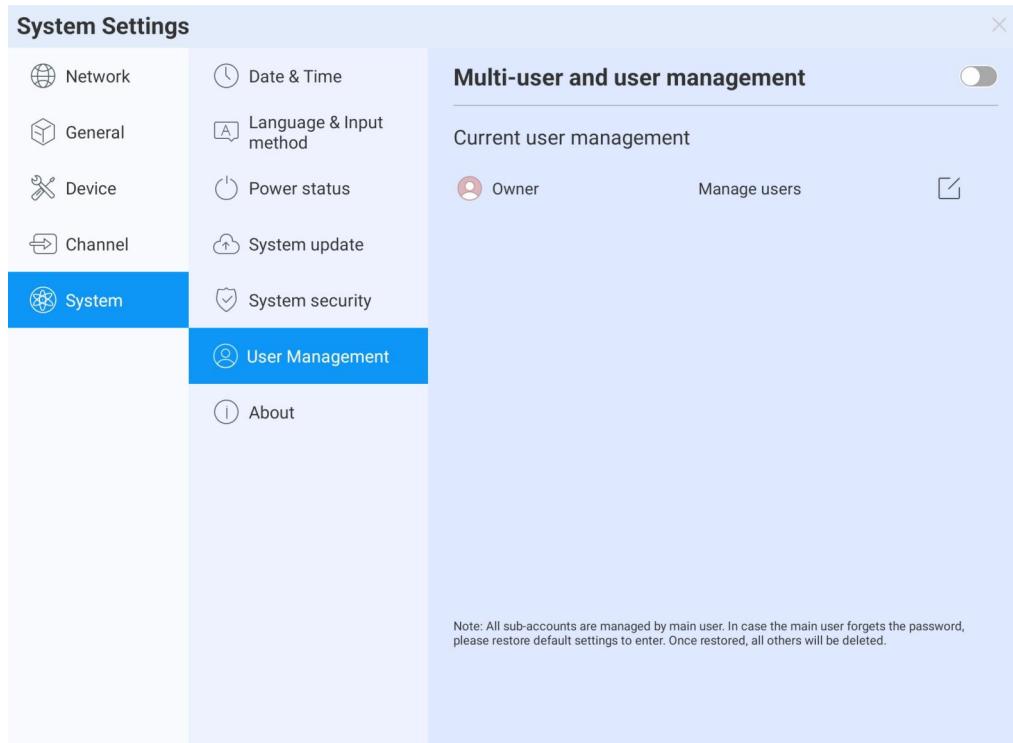
- **USB Permission:** If the permission is enabled, USB reading is disabled for protect file from copied(you need to set a password at the first time, if you forget the password, you can only

restore the equipment use by factory reset, please keep it properly); you need to enter password to gain access to the USB stick.

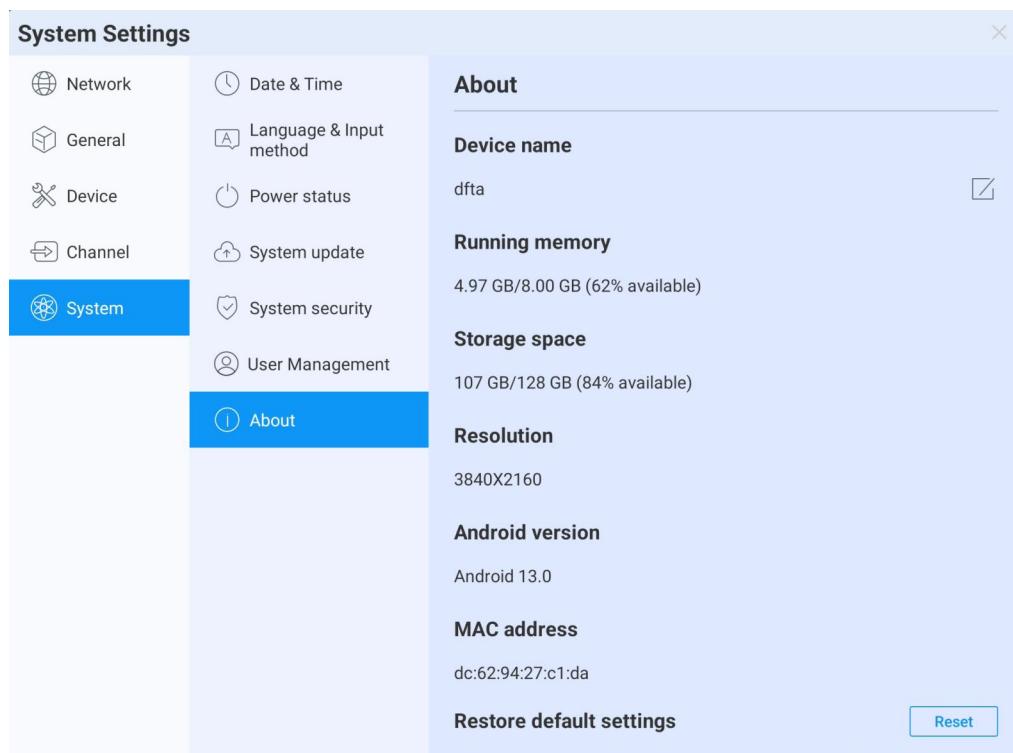
- Allow third party applications installation from unknown sources: Users can install third party applications , or can only download and install applications from the Google Store

3.15.5.6 Multi-user

Refer to above, multi-user function introduction



3.15.5.7 About



Click to view device information ;

- Device name: Click on it to edit the device name
- Factory reset: Factory reset will delete all operation records and content, and restore the device to the factory state

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.