

# Smart Whiteboard Software Operation Instructions



# Software Operation Instructions

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# 1. Meeting Main screen

Enter the main interface of the system after startup. The default startup theme of the public version is shown as follows:



Interface shortcut keys:



: Click open to write the meeting



: Click open to enter android internal file management by default, after entering the optional external memory device



: After clicking, mobile phone screen casting operation is performed



: Tap to go to the Android app screen and menu Settings



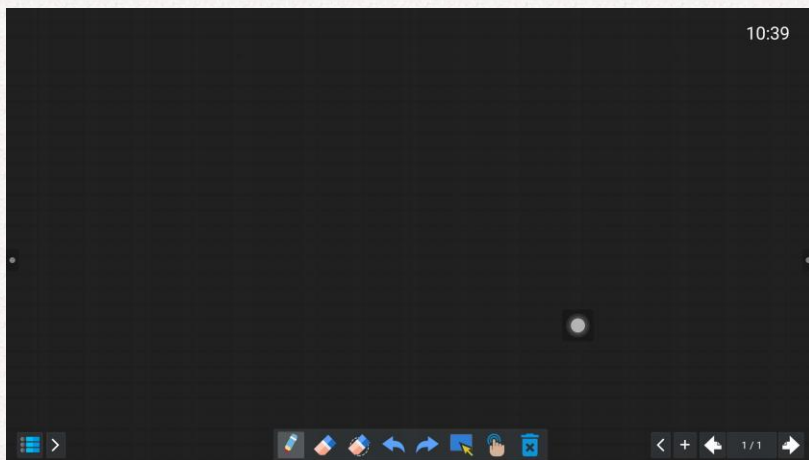
: Click to open the Settings menu



: Click to open the shutdown option

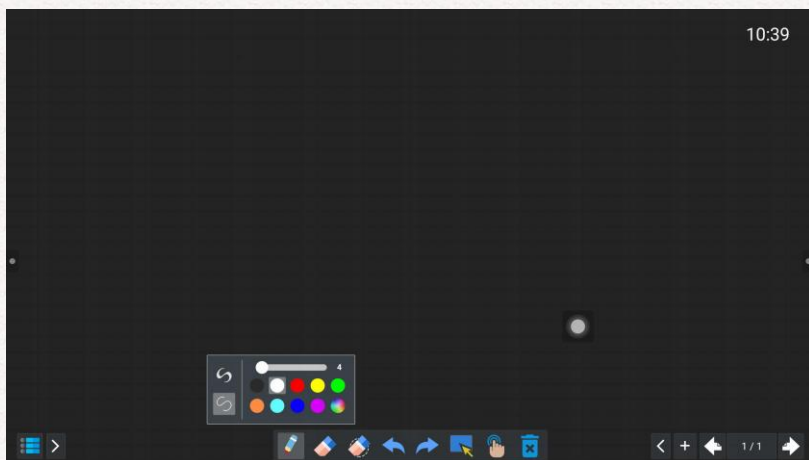
## 2. Writing whiteboard introduction


Click the white board icon on the home page to enter the following interface:





White board default gray grid background, white single point without brush handwriting, open can be directly written.


### 2.1 Sketchpad writing Settings




Click  the above interface will be displayed

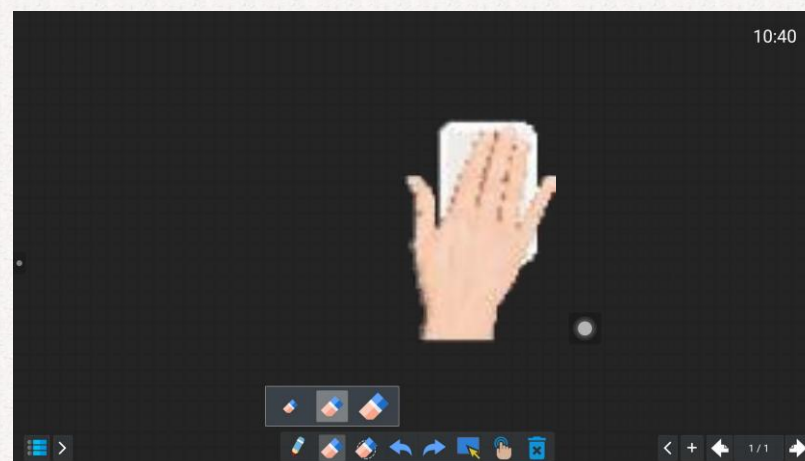
 : Click to select the pen edge. The writing will bring the pen edge, and the change rate of the pen edge can be set.


 : Ordinary writing.


 : Brush color selection, in addition to 9 fixed color selection can also adjust the color.


 : Brush thickness adjustment.


### 2.2 Set the eraser function(Multi - finger touch recognition into erase function) .



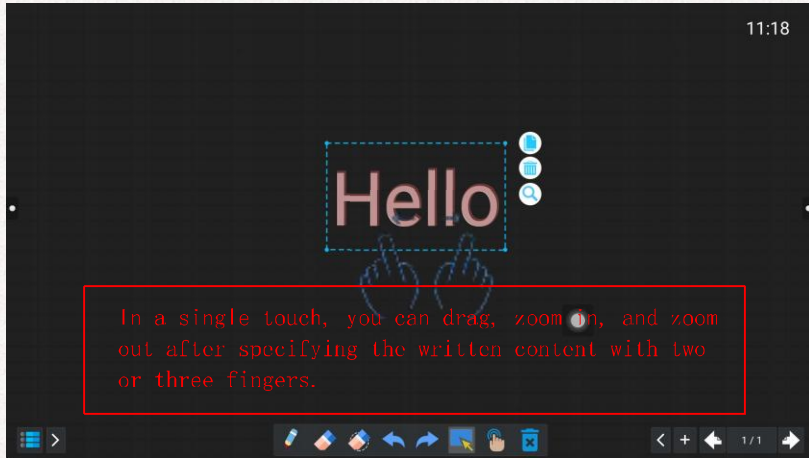
 : Click the eraser icon, touch to erase function; If you do not click this icon, the touch with the fingers together will also recognize the eraser function.


 : Select the Erase function,select the area to erase, and then erase it automatically.

 : Undo function, click to undo the previous step.

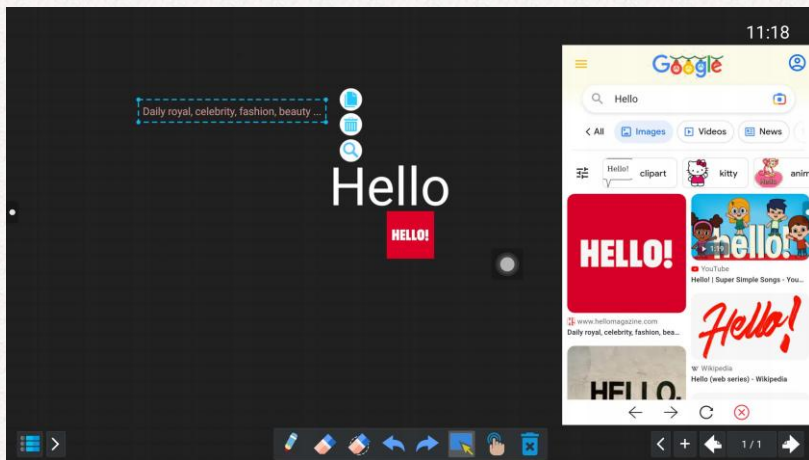
 : Restore function, restore the undo operation.


2.3 Artboard content selection function, after selection can delete, copy, drag and other operations:




 : Click this icon to delete, copy, and search the written content.

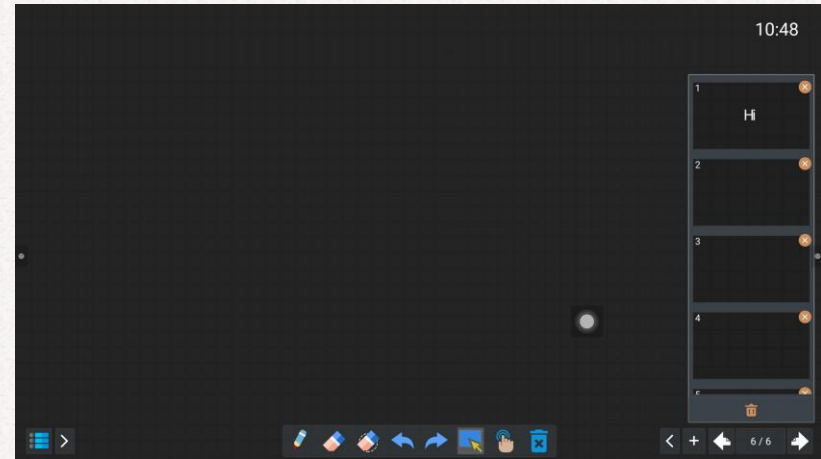
Click search to automatically open the web page, search the selected text as the key word, and long press the picture or text in the web page, paste into the artboard





 : Single-point writing/multi-point writing switch.

 : Click this icon to clear all written content with one click.

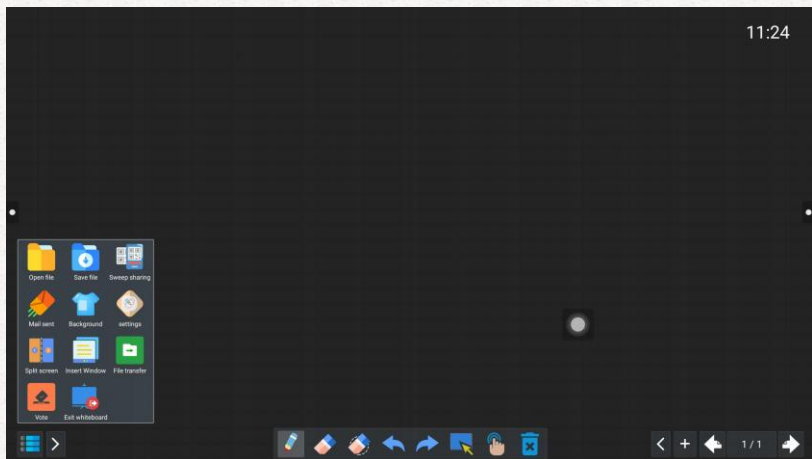
2.4 Artboard page addition function:



 : Click the icon in the lower right corner of the artboard to add the page number of the artboard.

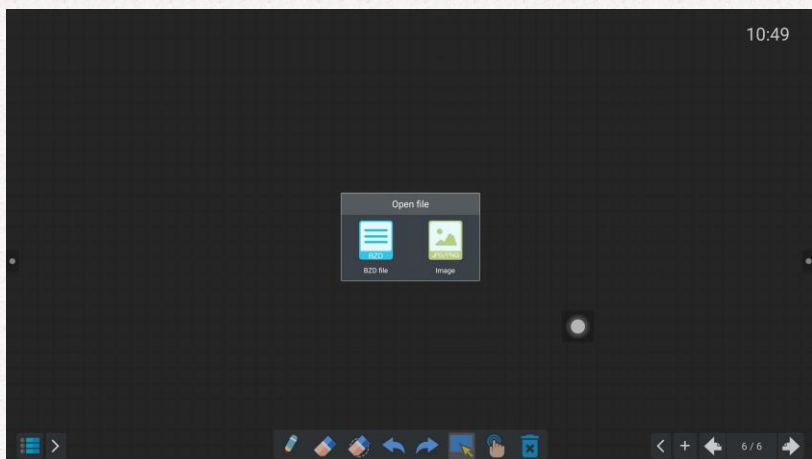
 : Click this icon to pop up a preview of the page, as shown on the right.

## 2.5 Sketchpad writing memory processing functions:



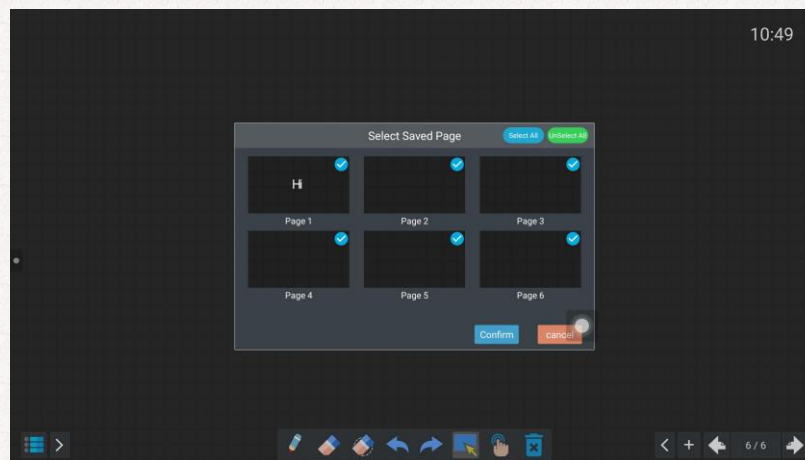
: Click the icon in the left corner to pop up as shown above. It can load the drawing board file, save the drawing board writing content, share the writing content with two-dimensional code, send the writing content by email, change the drawing board background, switch the whiteboard function and other functions.

### ① Artboard loading file function, as shown below:

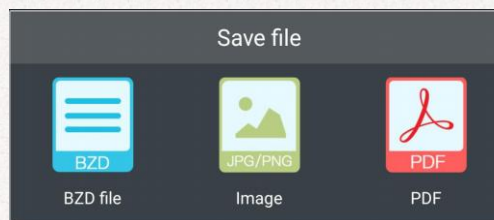


: Click the icon in the left corner of the artboard to load the image (JPG/PNG, BZD).

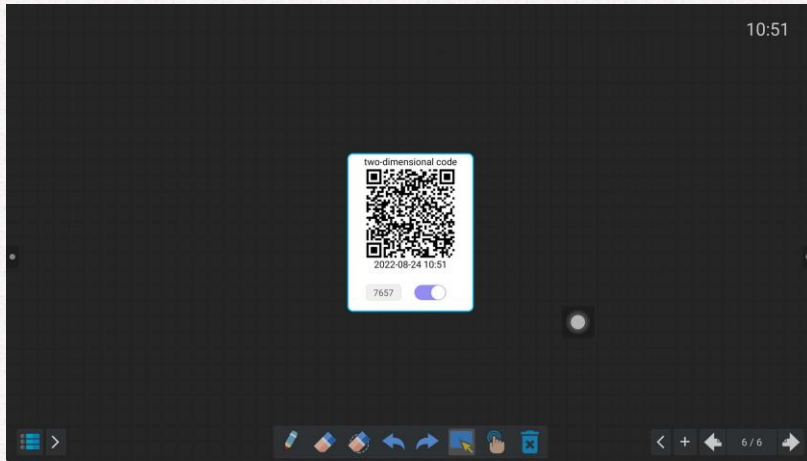
### ② Drawing board writing content saving function, as shown below:




: After clicking the icon in the lower left corner of the drawing board, you can save the written content in the following formats: Image (JPG/PNG), document (PDF), and file (BZD).

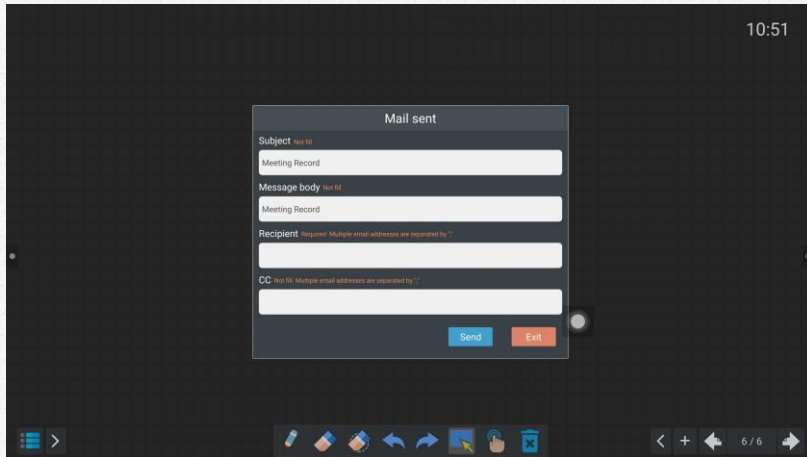



③ Writing content QR code sharing function, as shown below:



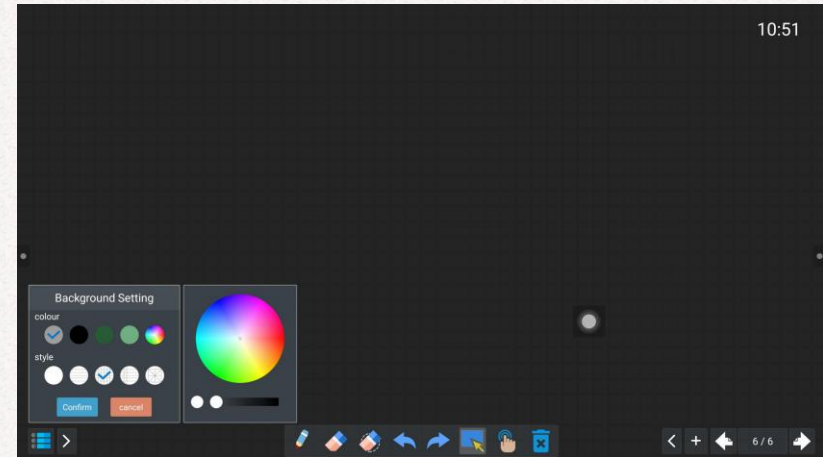
 : After clicking this icon in the lower left corner, it will pop up as shown in the figure above. After turning on the switch, you need to enter the password in the figure to scan the code. If it is not turned on, it is not needed (This function is only available online).


④ Write content email sending function, as shown below:



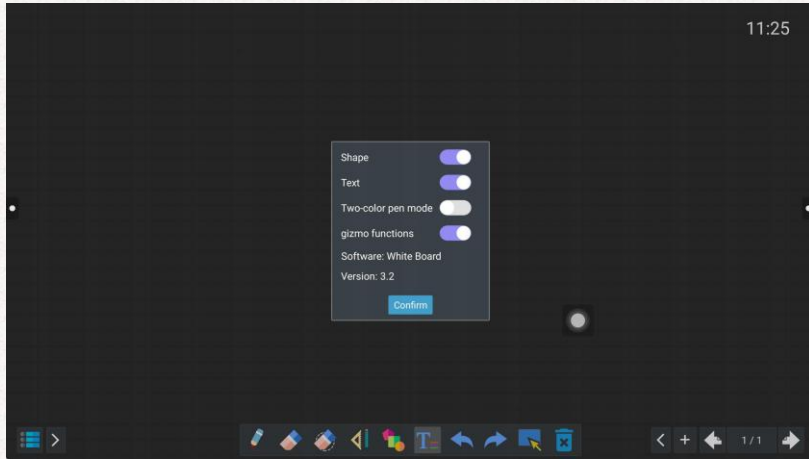
 : After the machine is connected to the Internet, click the icon in the lower left corner to pop up the above picture. When sending emails, you can modify the subject and body. When receiving/cc messages, you can set more people to "; ". To separate.


⑤ Drawing board background replacement function, as shown below:



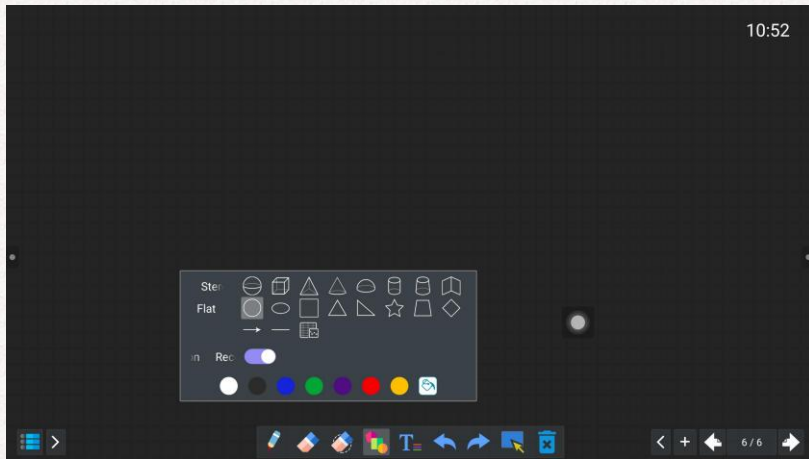
 : Click the icon in the lower left corner of the artboard and it will pop up as shown in the picture above: You can select the background color and style of the artboard.


⑥ Whiteboard function (single point/ten point switch, shape function, text function, stroke function) switch, as shown below:



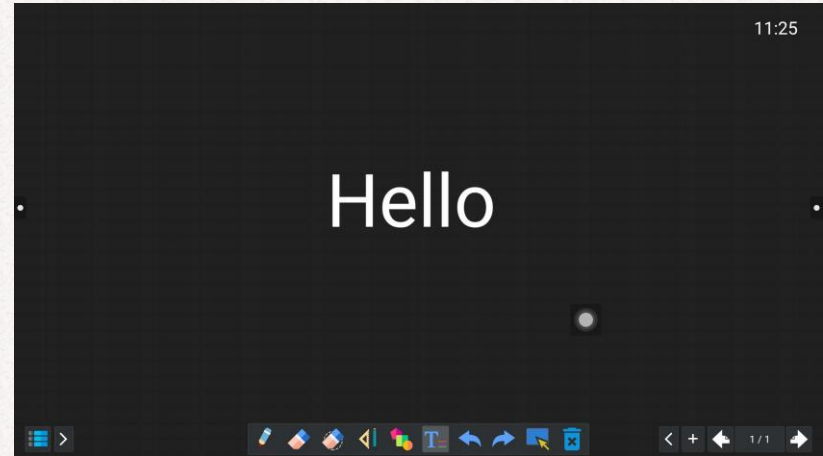
: Click the icon in the lower left corner of the artboard to pop up the picture above


(1).Open the shape function as shown below:



: Click this icon, you can choose to draw a variety of graphics (flat, three-dimensional, can also add a table). When Recognition is turned on, it automatically recognises your drawings to produce standard shapes.


(2).After the text function is opened, the picture is as follows:

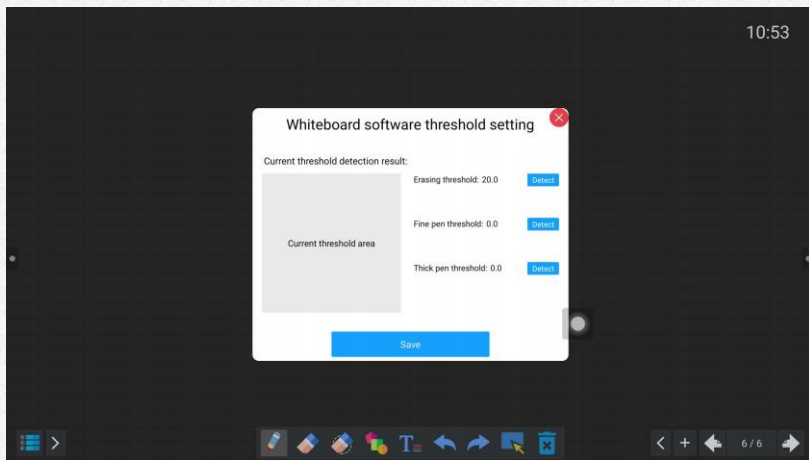


: After selecting, the written content is automatically identified to generate words, numbers or letters.

(3). After the two-color pen mode is opened, the picture is as follows:



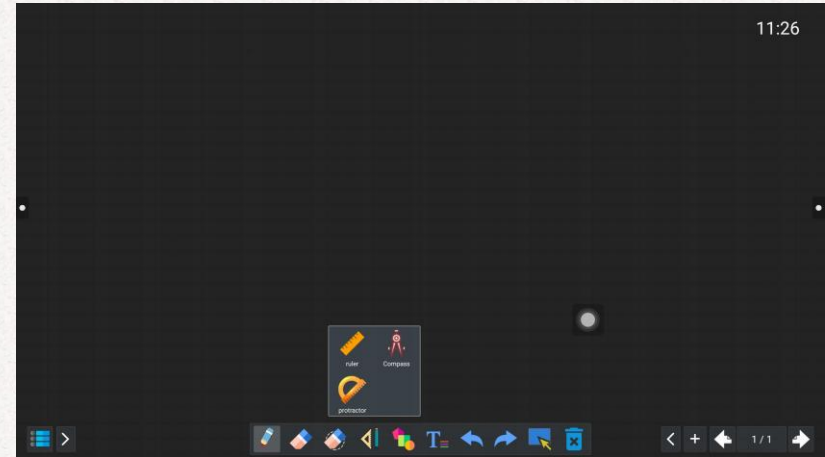
After opening the two-color pen mode, it is fixed to multi-point writing, which cannot be zoomed. Click the brush to set the color, edge and line thickness of thick and thin pens respectively. When using a thick and thin pen, set the threshold of the thick and thin pen. Hold down  the press to display the following interface:



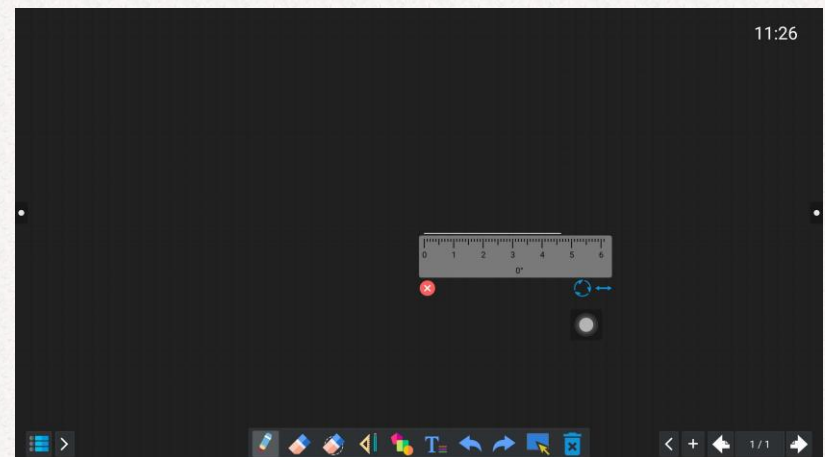
You can set the wipe threshold, fine pen threshold and thick pen threshold. Click the detection on the right first, and the detection will be displayed. Then touch the threshold detection area on the left, and the threshold will be recorded. **Note: the threshold difference between the thickness and thickness of the pen should be larger for easy identification**

(4) Gizmo functions switch:

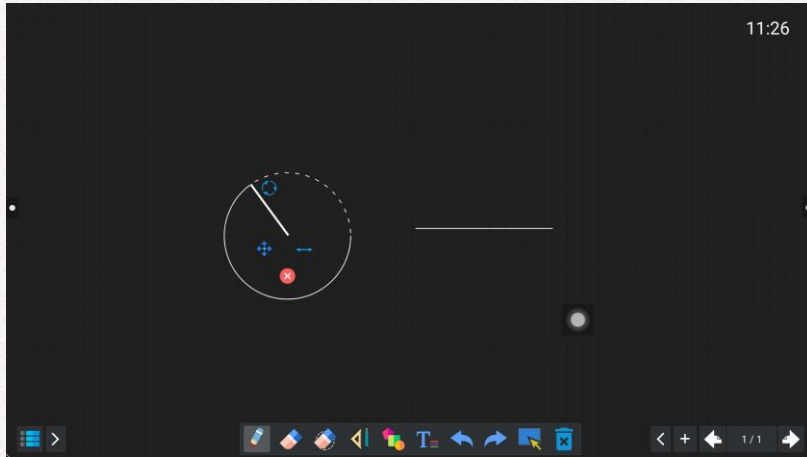
Use some small tools: ruler, compass, protractor



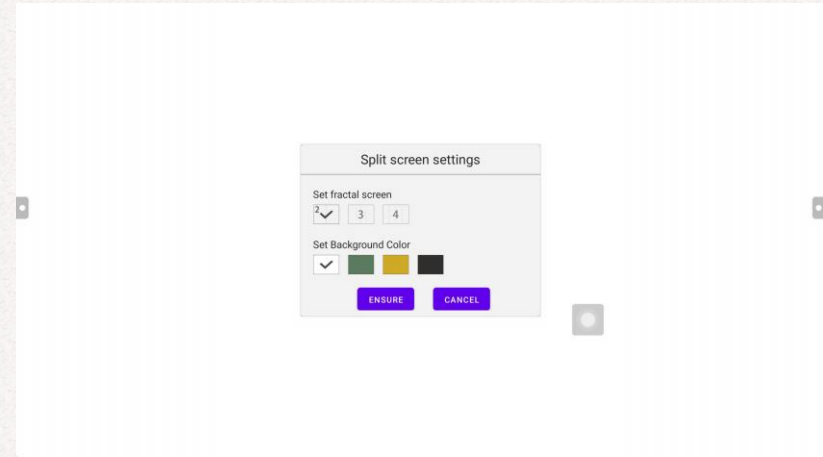
Ruler: Tool for drawing straight lines, which can be dragged, rotated, lengthened or shortened



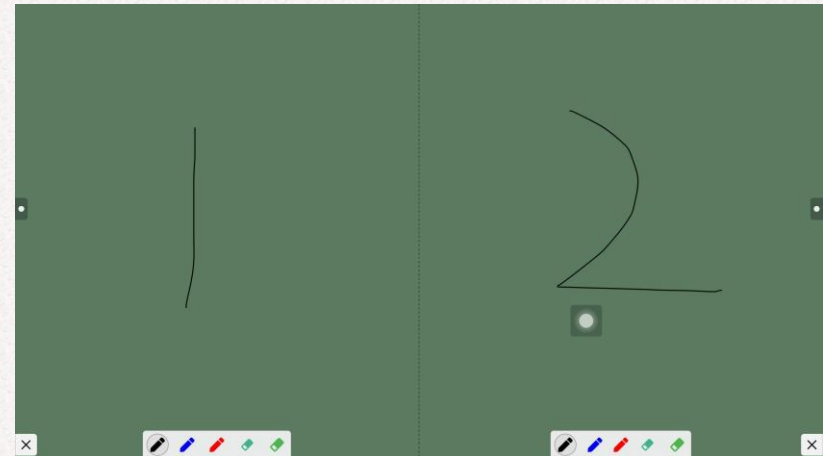
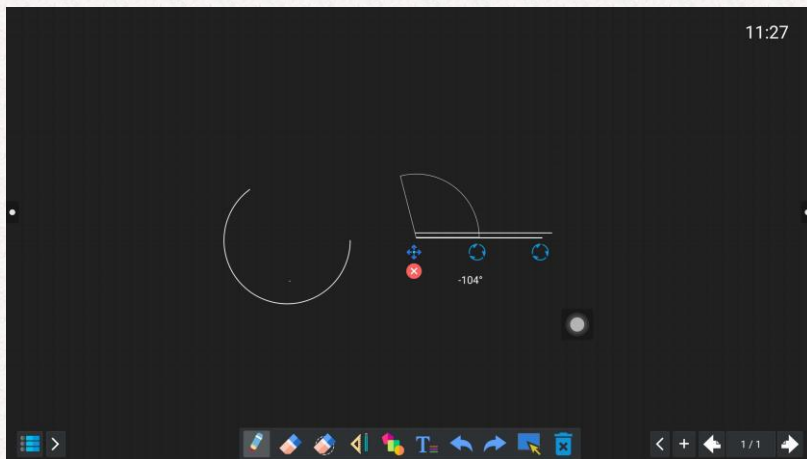
Compass: A tool for drawing circles or arcs, which can be dragged to enlarge or reduce the radius



⑦Split screen writing function: You can set the number of split screens and the background color. After clicking OK, split screen writing can be performed

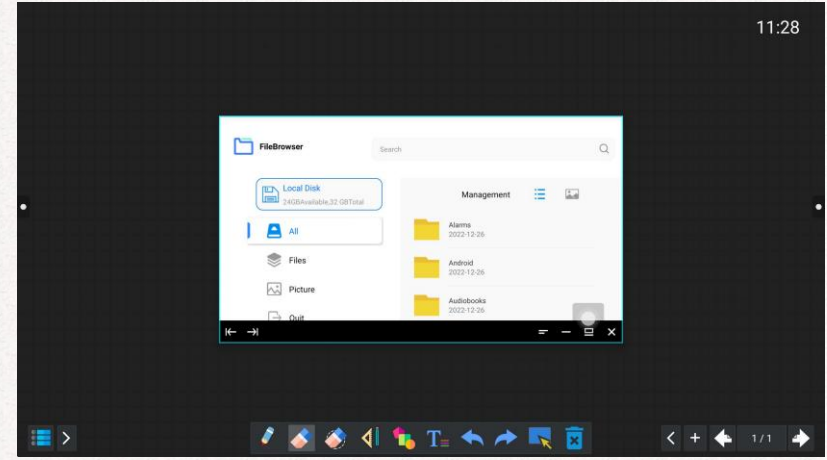
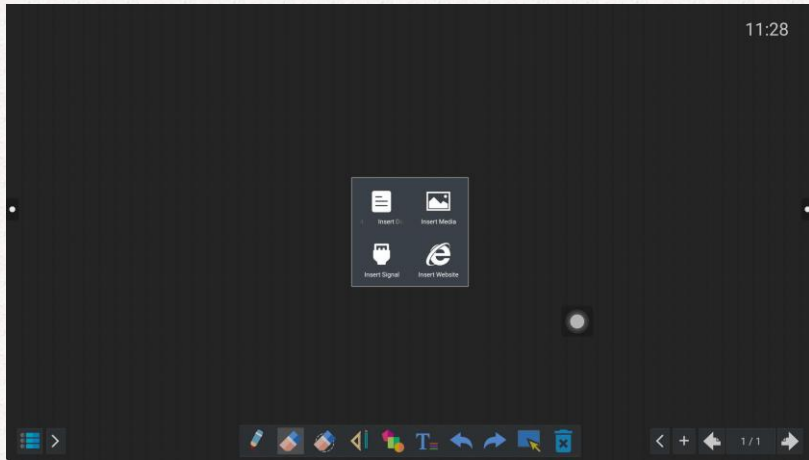


Protractor: Measure the degree of the Angle



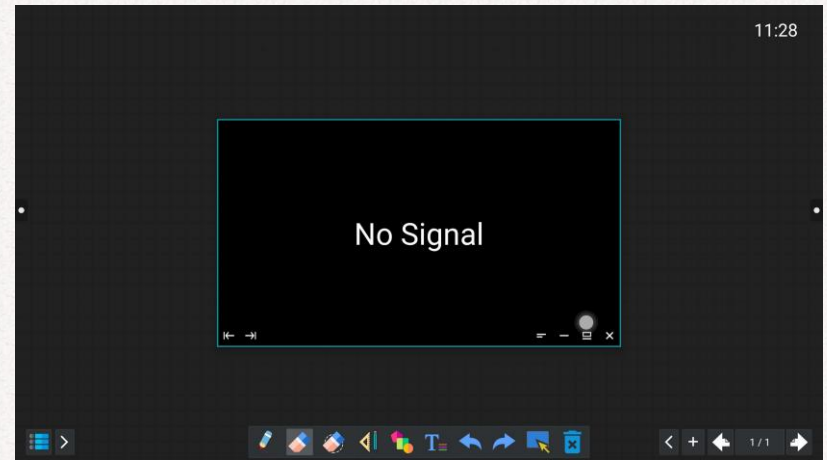
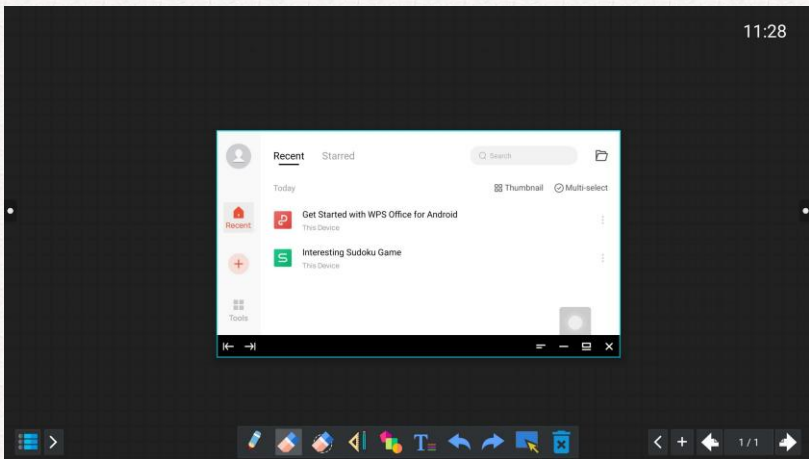
⑧Insert window function: You can insert documents, multimedia, signal sources and web pages

Insert multimedia: Open the small file manager window to play video, audio, or pictures

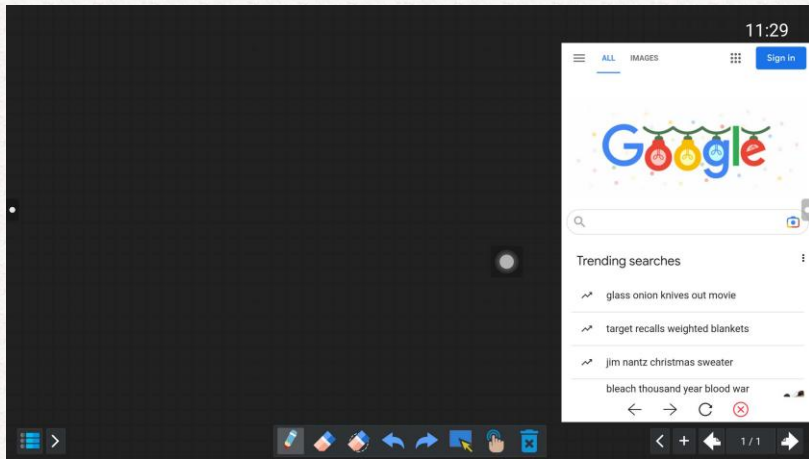


Insert Document: The WPS application window opens

Insert the signal source: You can open the small window of the signal source, and you can see the picture and hear the sound, but you cannot touch the signal source



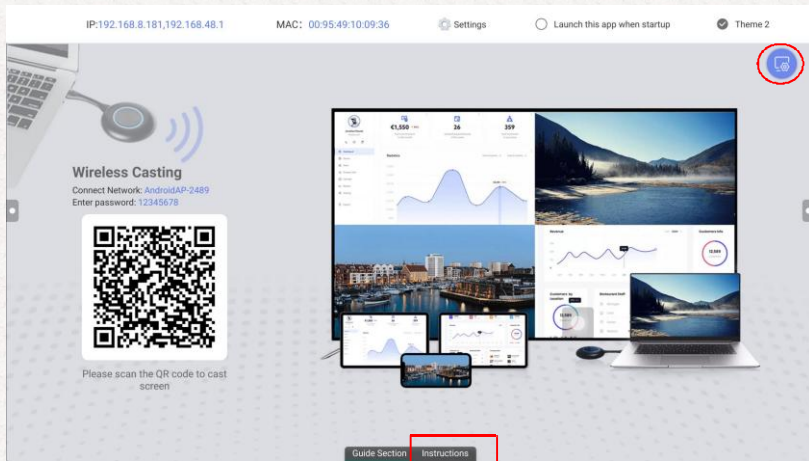
Insert Web page: You can open a small browser window to search, and long-paste pictures and text to the whiteboard



File quick transfer and voting device exercise method can be seen in item 10: Introduction to other apps of the system

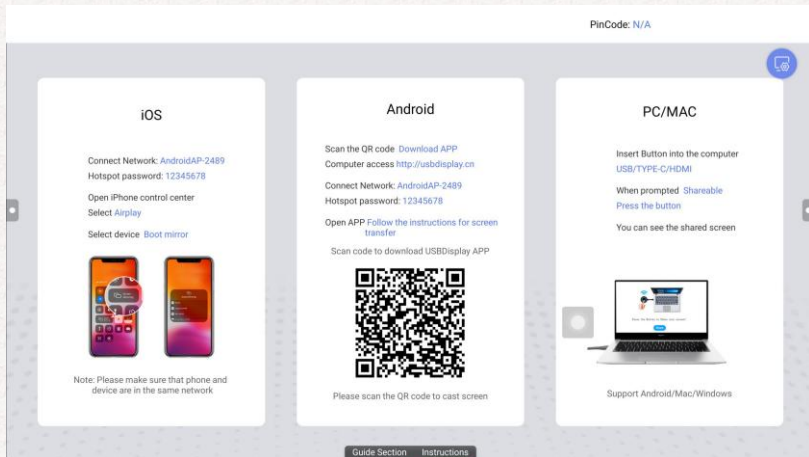
### 3. This section describes multi-screen interaction Settings

3.1 Click the main interface  icon, the following interface will pop up (You need to turn on the hotspot function first) :



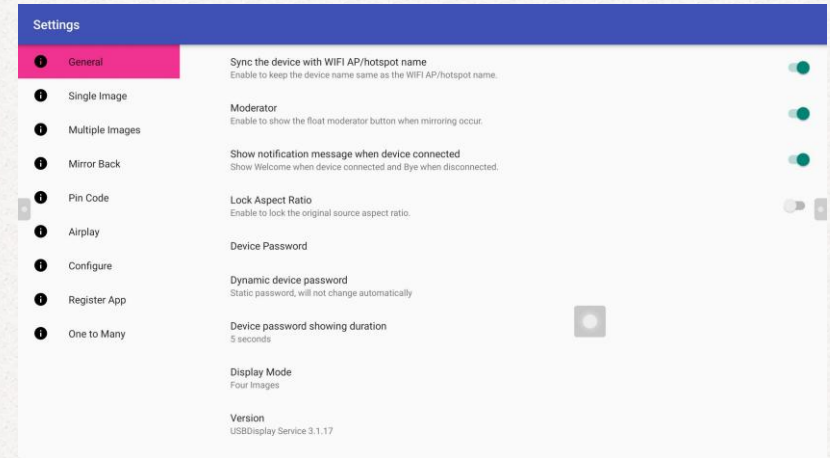
Android phone scan the TWO-DIMENSIONAL code in the lower left corner to download the screen casting software for screen casting.

3.2 Cut to the instructions, as shown below:

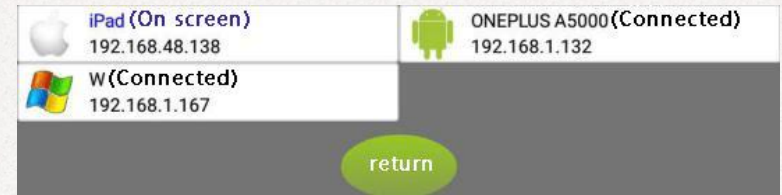


For Android phones, iPhones and computers, screen casting can be performed as shown on the screen. Click the setting icon in the upper right corner to set the screen casting function.

### 3.3 Screen casting function setting interface, as shown below:

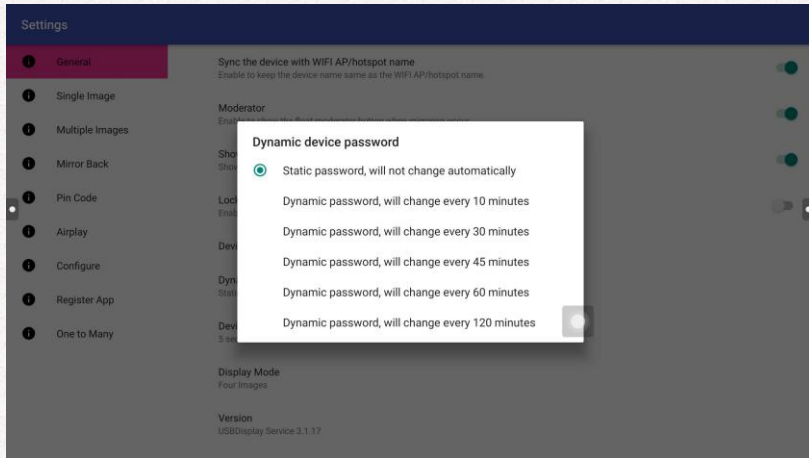


Moderator: After opening this option, a hover menu will be added to facilitate host management of screen casting, as shown below:

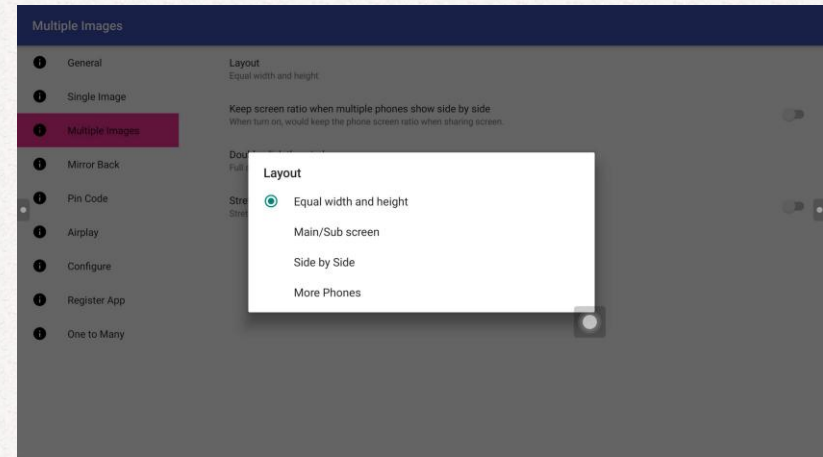


Show notification message when device connected: When the screen casting device is turned on, a welcome message will pop up. When the screen casting device is disconnected, a goodbye message will pop up.

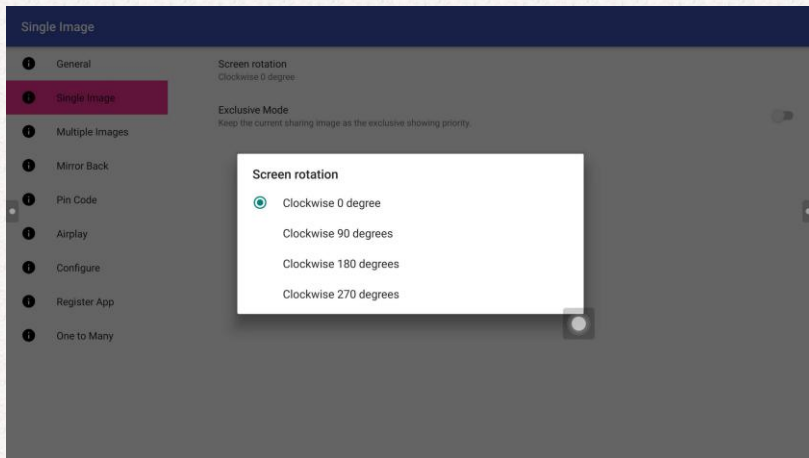
Device Password: The default screen transmission password is 12345678, which can be changed. Dynamic device password: You can set the password to change periodically.



### 3.5 Multi-screen casting Settings:



### 3.4 Introduction to single screen projection:



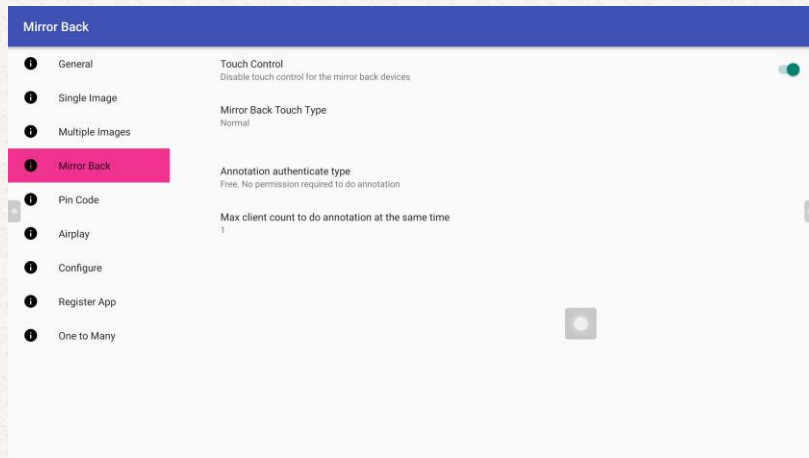
When a single screen is cast, you can manually rotate the exclusive mode of the cast screen. With exclusive mode on, when a device throws a screen, no other device can squeeze it down.

Multi-screen layout: the default multi-screen screen, the display screen is equal proportion; If the display ratio of one screen casting signal is larger than that of the other screen casting signals, the main screen can be switched.

Multi-screen: Full screen display by default.

Two-screen screen setting: In dual-phone screen casting, the two sides will not be displayed because of the display proportion. After this option is turned on, the display proportion will be stretched and the display will be in full screen.

### 3.6 Screen anti-mirror setting:



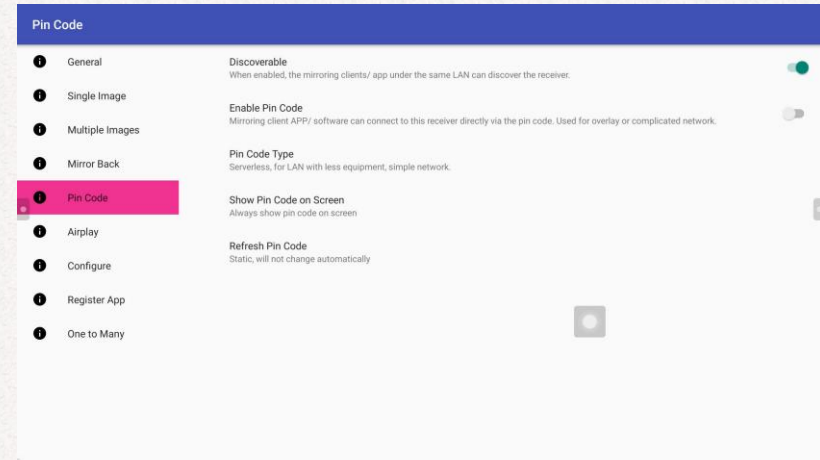
After successful anti-mirror, the screen of the Android phone will display a large screen, and then the touch of the phone can control the large screen. If the touch control is turned off, the large screen cannot be controlled.

Request Annotation Authorization Type Allows you to set the annotation permission in anti-mirror mode

Maximum Number of Customers who annotate at the same time Allows you to set the number of customers who annotate at the same time. However, only one person can write to another person

Reverse Mirror on Windows: Click Reverse Mirror after the connection

### 3.7 Screen projection code setting:



After the screen casting code function is enabled, the six-digit screen casting code is displayed in the upper right corner of the screen.

### 3.8 Registration procedure (You need to connect to the Internet)

After connecting to the network, the system automatically registers, and a pop-up prompts you to register.

## 4. Introduction to wireless screen transmission

### 4.1 Screen projection for Apple devices:

Connect the Apple device to the hot spot AndroidAP-XXXX of the conference machine, and then open the AirPlay image of the mobile phone to realize screen transmission.

### 4.2 Screen projection for Android devices:

The mobile phone scans the TWO-DIMENSIONAL code displayed at the lower left corner of the two-dimensional code machine or enters (<http://120.26.86.122/res>) in the mobile phone web page to download the client, and then links the conference machine to the hot spot AndroidAP-xxxx, and then opens the client, click the search at the lower right corner to connect the corresponding machine; Or scan the screen.

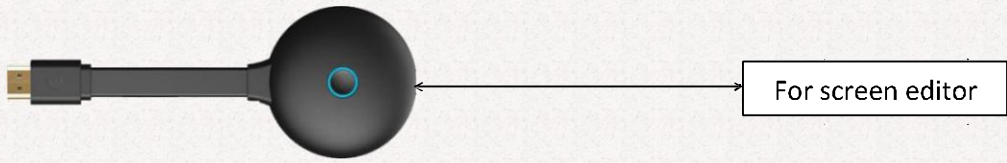
After the mobile phone is connected, on the connection page, you can select **screen casting, virtual mouse remote control, screenshot, anti-mirror, video, audio and music, picture, and document** for operation.

Click document to push **PPT, Word document, Excel table and PDF** to play in the machine. After the document is pushed, the mobile phone jumps to the **virtual mouse** page: Touch the blank area of the virtual mouse to control the large screen, and touch the right and bottom of the virtual mouse to slide the document.

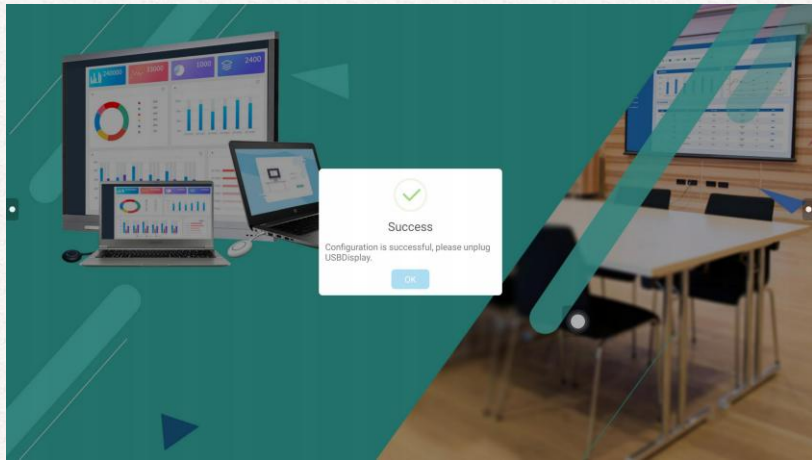
### 4.3 Computer equipment software screen projection:

In the case of no screen transmitter, the PC image projection is realized by running green software, and the function effect is similar to the screen transmitter. The screen laptop to connect to the Internet, open a web browser input address <http://www.usbdisplay.cn/>, pop-up download page, click download Windows client, and then double-click on the run, the machine list will list the current notebook can be found in your local area network (LAN) intelligent meeting, Double-click the specified machine or IP address to automatically connect to the device.

5. This section describes PC hardware screen transmission



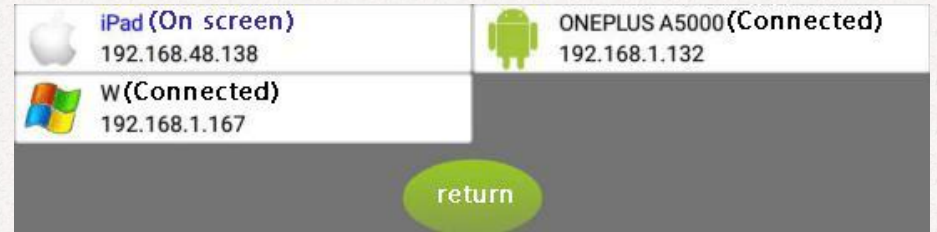
5.1 First open the wifi hotspot of android board, and then connect the screen transmitter to the USB interface of Android board for pairing registration. After registering successfully, the following interface will pop up:



Note: Before matching, turn on the hotspot and then connect to the screen projector for matching.

5.2 Connect the registered screen transmitter to the USB port of the computer. When "Shareable" is displayed on the interface, press the screen transmitter to see the corresponding sharing screen on the meeting tablet.

5.3 When the screen transmitter is successfully connected to the machine, a circular green button will appear in the upper left corner, and the number displayed represents the number of screen transmitters connected to the machine. Click to expand the display host mode, and repeatedly click the next screen of the device in the screen projection or click the connected device to start screen transmission, as shown below:



In the process of screen transmission, after the lock is checked, other users' computer screens cannot preempt the user screen that is being transmitted.

#### 5.4 Touch return, double screen control:



Use the screen projector to cast the screen. The PC can operate the large screen, and the PC can operate the large screen.

In the case of the machine connected to the Internet, the opportunity to automatically updated according to the background update situation, if discover the firmware version of the USB button and the machine firmware version does not match, will pop up on the computer screen transfer end tip version do not match, please update, the need to plug USB button into the USB port of the whole machine matching can be synchronous version to upgrade. .

#### 5.5 Precautions for use of screen transmitter:

When the user's computer uses the screen transmitter for the first time, some computers will automatically install the driver, screen transmitter will automatically install and run; If the computer does not automatically install the driver, you can click (computer) → removable storage device, double-click the drive letter CD drive (USBDisplay).

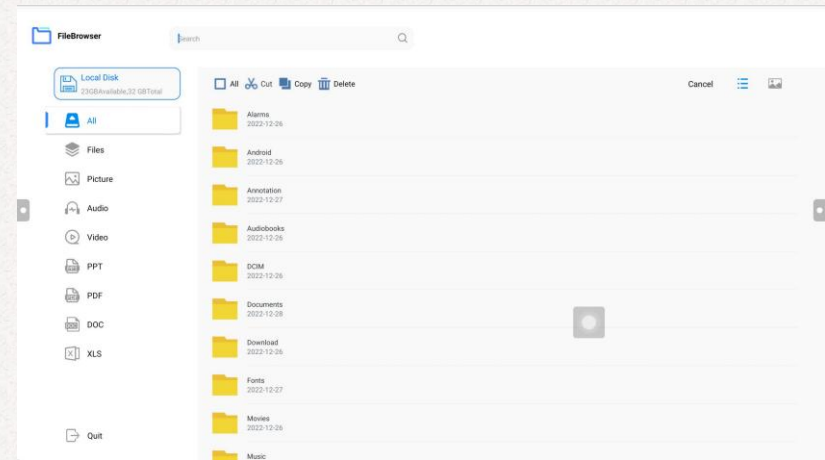
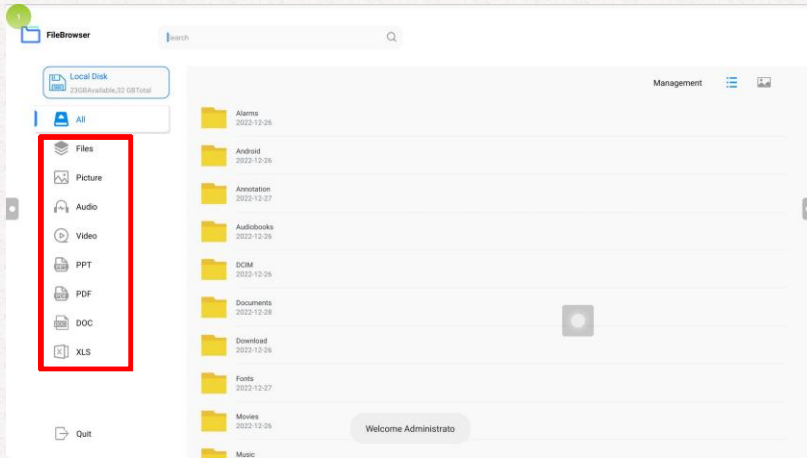
Note: in Windows10, you need to turn off the firewall before installing the driver.


After the driver is installed, the lower right corner of the computer will display a prompt: press the screen can be transmitted.

Note: In some computer systems, due to anti-virus software interception, even if it is not the first time to use, the screen transmitter can not run by itself. In this case, you need to execute the main program of USBDisplay.


## 6. Introduction to File Management

Click "Operation" in the upper right corner and the following picture will pop up:





: The file is displayed as a list (upper right corner)

You can cut, copy, delete.

: The document is presented in a tiled form (upper right corner)

File types can be filtered in the red box on the left

## 7. This section describes the side pull menu

7.1 Click the left and right arrow   ICONS to pop up the following interface:



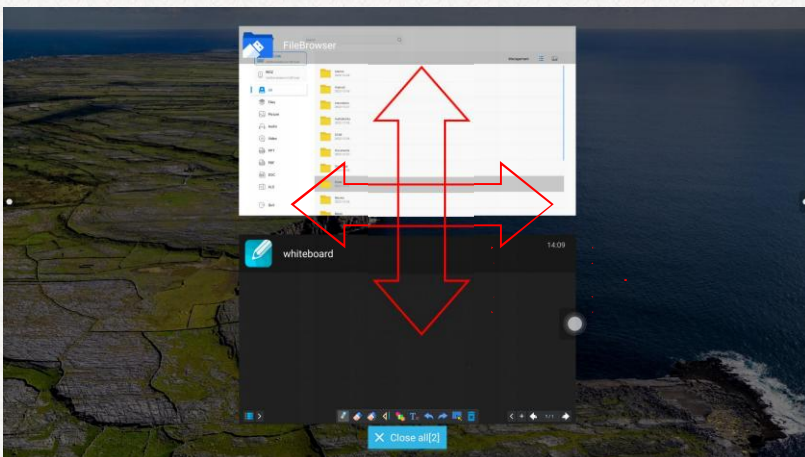
: "Back" touch button, available under any menu of Android.



: "Home" touch button, press this button on any interface will directly return to the android main interface.



: Task button. Click to open it as shown below:



Preview background running applications drag up and down to browse so applications, click the application window can be directly opened. Drag left or right to stop running the application, or click the "All Clear" button below to clear it completely.



: Annotation shortcut key, click as follows:



:Release the annotation mode to perform other operations on the machine



: Selection of brush color and thickness.



: Comment eraser size selection.



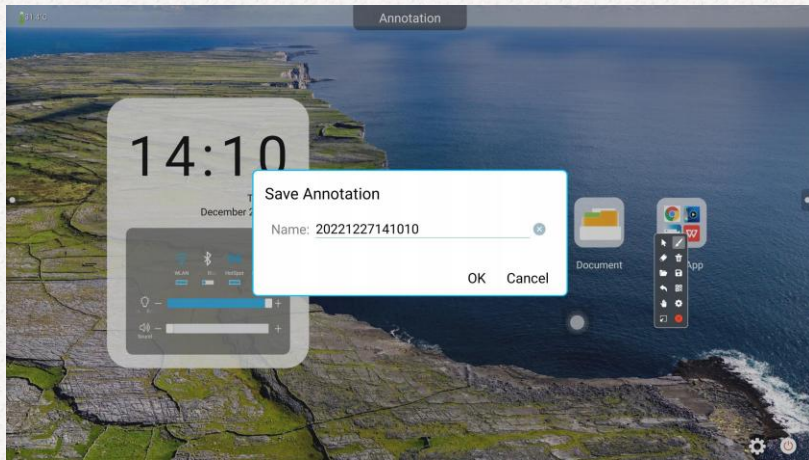
: Comment back key.



: Insert material shortcut key.



: Annotation content save button, which can be saved locally and generate QR code for mobile phone scanning and saving. Click the button as shown below:



: Comments ten switch.



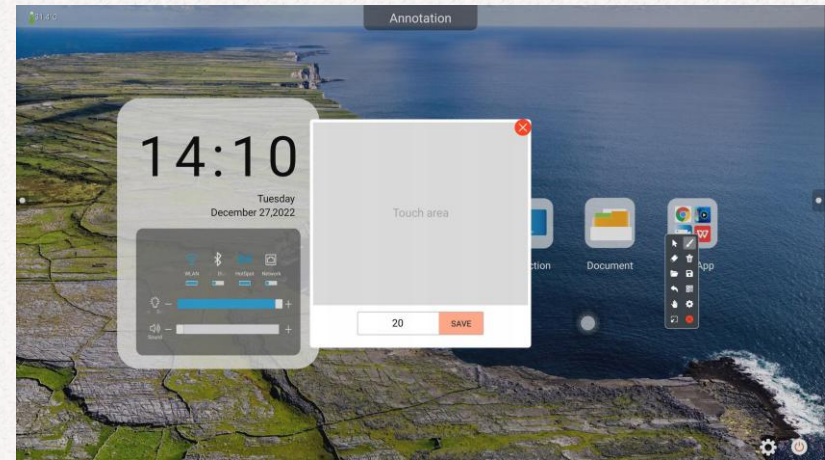
: Click this icon to clear all written content with one click.



:Click to generate the QR code, scan the code on your mobile phone to see the comment content (Internet connection required)



:Long press to open the board wipe threshold adaptation, cover the palm in the touch area to identify the value, and then click save (The threshold under the channel must be reconfigured)



:Narrows the action window for comments



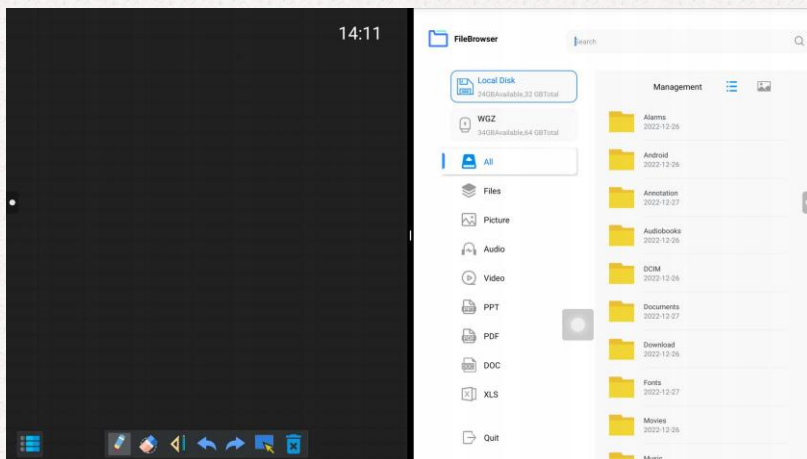
:Comment exit key.



:Signal source shortcut key, touch switch signal channel as shown below:



:Menu setting touch key, click as shown below (You can also swipe right from the far left side of the screen or swipe left from the far right side of the screen) :



: Split Screen, the screen can launch two apps at the same time. For example, first open the whiteboard, then click the split screen function, and then open the welcome message



: Child lock, click on the screen will lock, can not do any operations, the default password of child lock: 2580



: Energy saving shortcut key. After you tap, the screen backlight goes off. After you touch the screen, it automatically turns on.



: Screenshot shortcut key. After you click, you can take a screenshot of the content displayed on the screen and automatically save it to the local memory. This function key is also available on the remote control.



:Screen recording function button, click it, as shown below:



Click Start, part of the operation under Android will be recorded in MP4 format and saved to the local site in the BSDScreen folder.



: Magnifier function to enlarge fonts and pictures under Android, as shown below:



There is an option to enlarge by 2x / 4x.



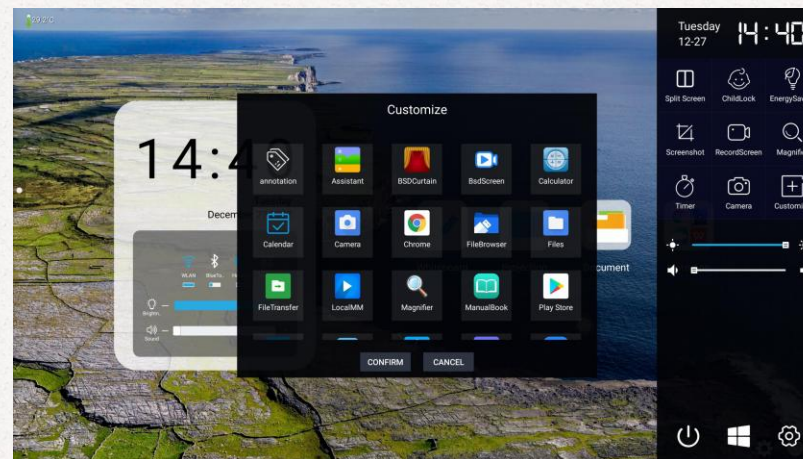
: Timer function, set meeting countdown, open as shown below:



: Camera function, the machine connected with the camera available.



: Customize, set the shortcut keys to open the application, as shown below:



To disable the shortcut key function after setting, hold down this icon.



: Shutdown button.

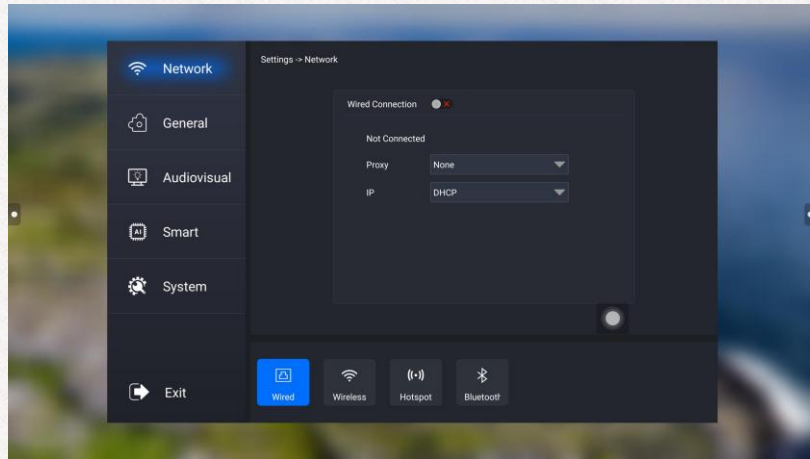


: One click jump to the built-in computer channel.

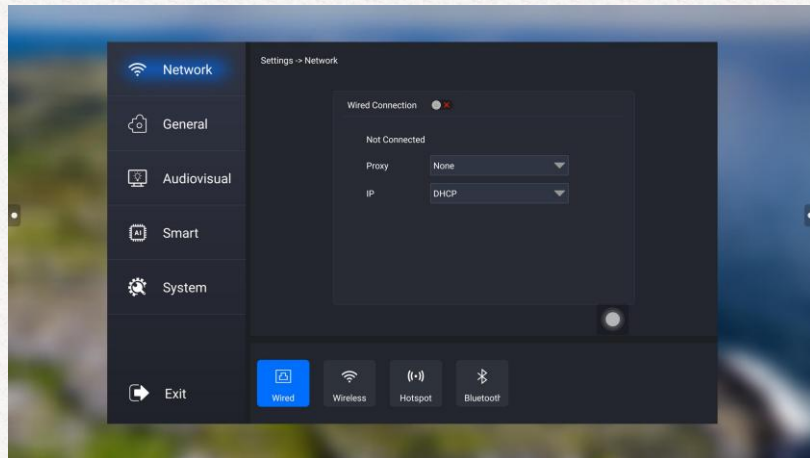


: Open the Settings menu.

## 8. Introduction to the Settings Menu



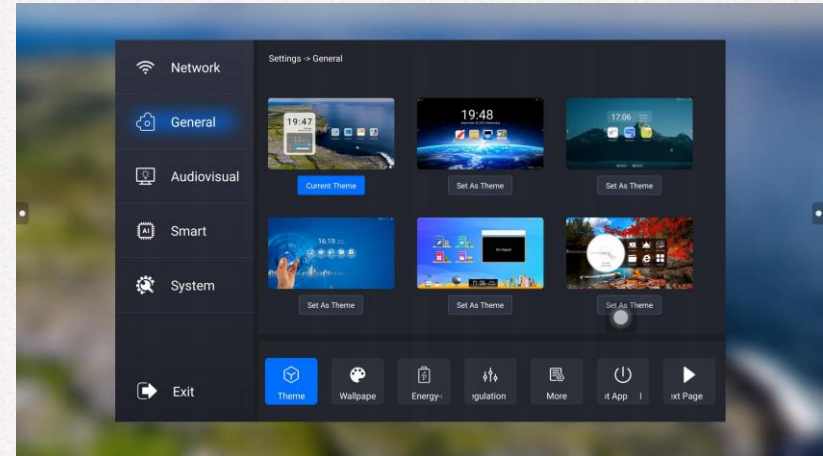
8.1 Network: WiFi, screen hotspot, wired connection, Bluetooth function (Either wired or wireless can only be turned on, and cannot be used simultaneously) .



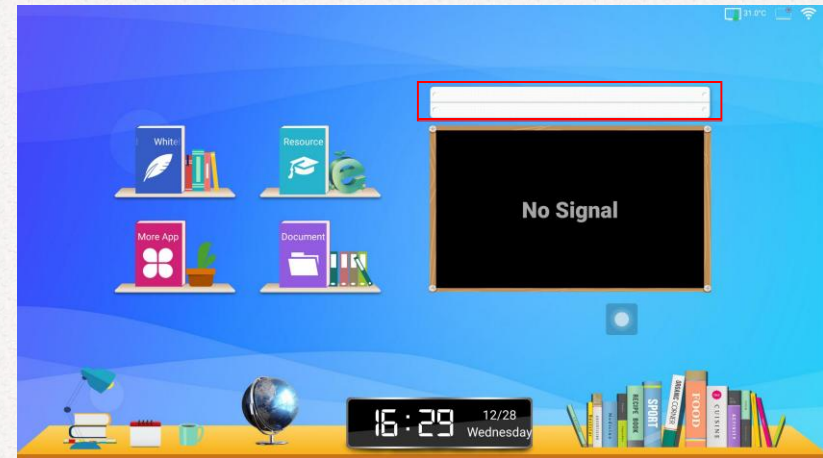
Screen casting hotspot: The screen casting hotspot needs to be turned on. Mobile phones, computers and other devices can be connected to the hotspot for wireless screen casting. After the hotspot is enabled, the default connection password is 12345678.

### 8.2 General

#### 8.2.1 Theme



Education Theme ① :

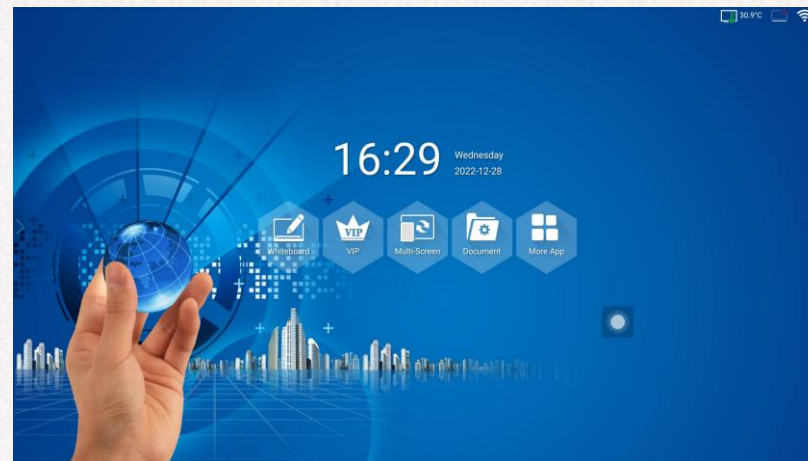


Text can be defined in the red box on the right, and a replacement box will pop up by long pressing the font with five fingers.

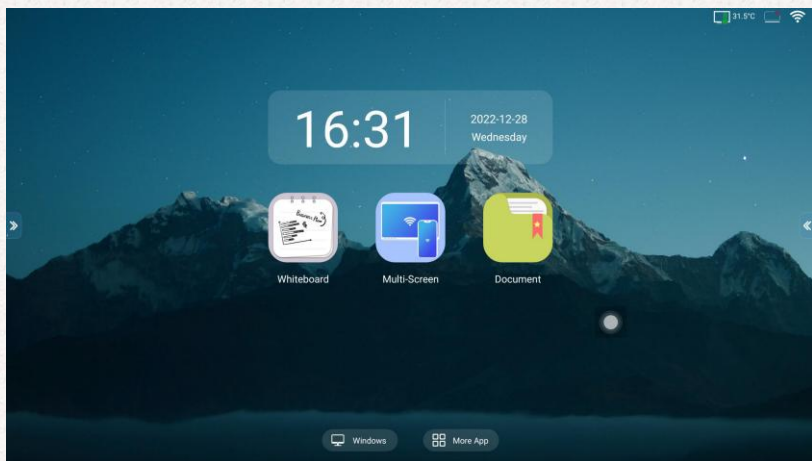
conference theme②:



conference theme④:



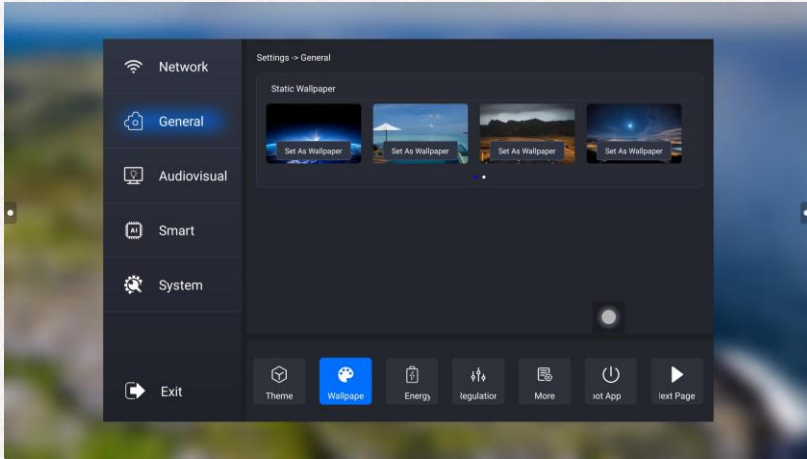
conference theme③:



conference theme⑤:

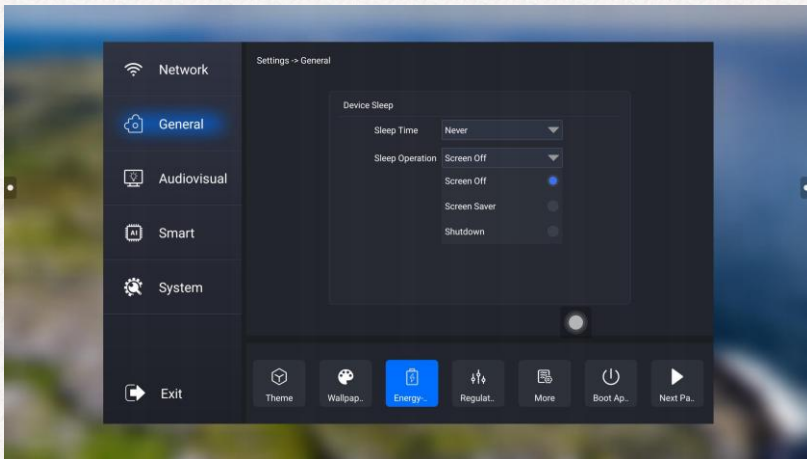


### 8.2.2 Wallpaper:



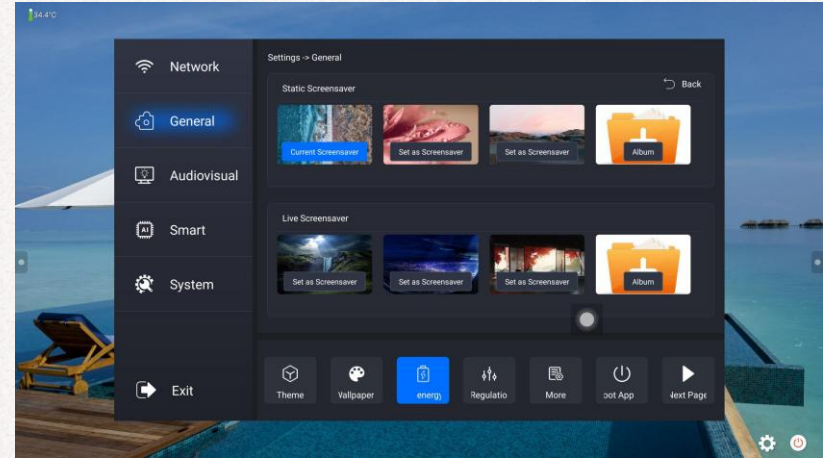
Static wallpaper can be customized replacement, 1920\*1080 images can be.

### 8.2.3 Energy-saving mode:



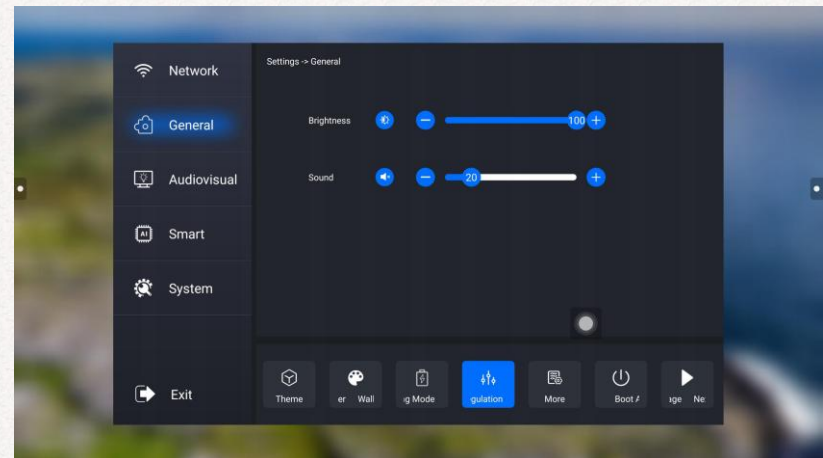
The hibernation mode means that there is no operation standby function, which is off by default. The hibernation time can be set after it is turned on: The system automatically enters the hibernation standby mode when no operation is performed.

Sleep operation: You can close the screen, open the screensaver, and shut down. After the hibernation function is opened, the hibernation operation is selected to close the screen, which means that the standby screen is black. If you choose to shut down, no operation after a period of time automatically shut down; If you choose to open the screensaver, you can replace it, as shown below:

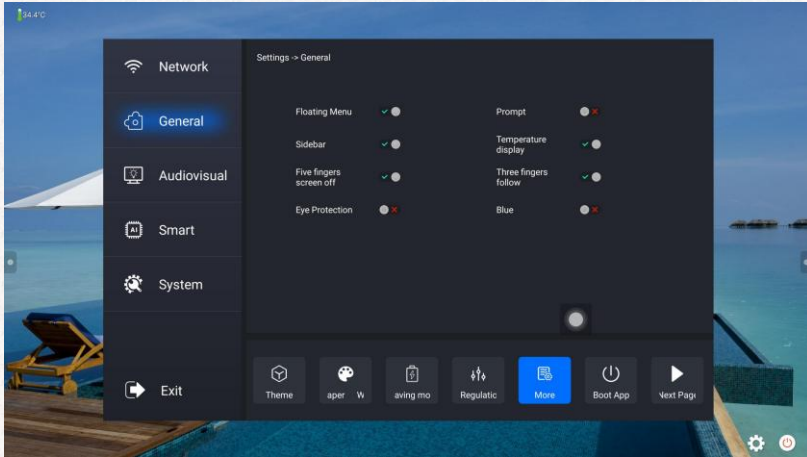



Screensaver has static screensaver and dynamic screensaver, also can customize pictures and videos, can use JPG, PNG and other formats, also can use MP4 and other short video.

### 8.2.4 Regulation(Adjust brightness and sound)



### 8.2.5 More:



Floating menu switch: home page suspension menu  switch. System prompt sound switch: After closing, touch and click to open the application. There is no prompt sound. After opening, there is a prompt sound.

Sidebar: there are triangular arrows on both sides of the machine after it is opened, but there are no touching arrows on both sides after it is closed. If you want to bring up the sidebar, you can touch and pull it from the side to the inside to pop up the sidebar menu.

Temperature display: The temperature display on the home screen (displays the temperature of the device).

Five-finger rest screen: after opening, press the machine for about three seconds with five fingers, the machine will automatically turn off the backlight, and press the screen again with five fingers. Three-finger follow: After opening, press with three fingers for about three seconds, the suspension menu will automatically move to the touch.

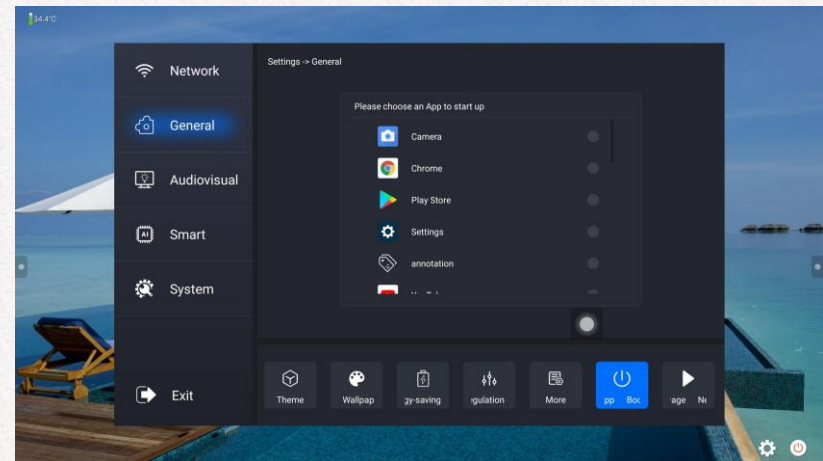
Eye protection function: when opened, the spot brightness will be automatically reduced when the machine is operated by someone.

Blue function: After turning on, the screen will have blue light effect (this function does not work in the whiteboard, and switching theme will automatically turn off)

Photosensitive function: after opening, the screen brightness will change with the light of the environment, the darker the environment, the darker the screen brightness, vice versa (Need to be connected to the sensitive module will be displayed)

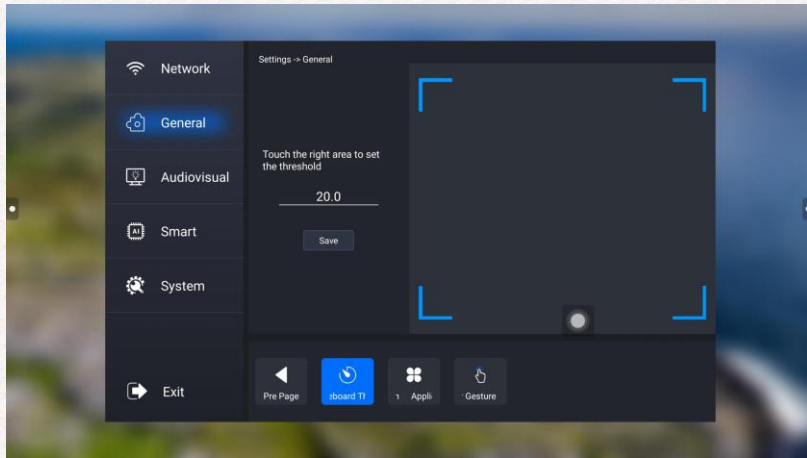
Photosensitive energy saving function: after opening, when the surrounding environment is dark, the screen automatically goes off, enters the energy saving mode, and automatically opens when it becomes bright (Need to be connected to the sensitive module will be displayed)

### 8.2.6 Boot App



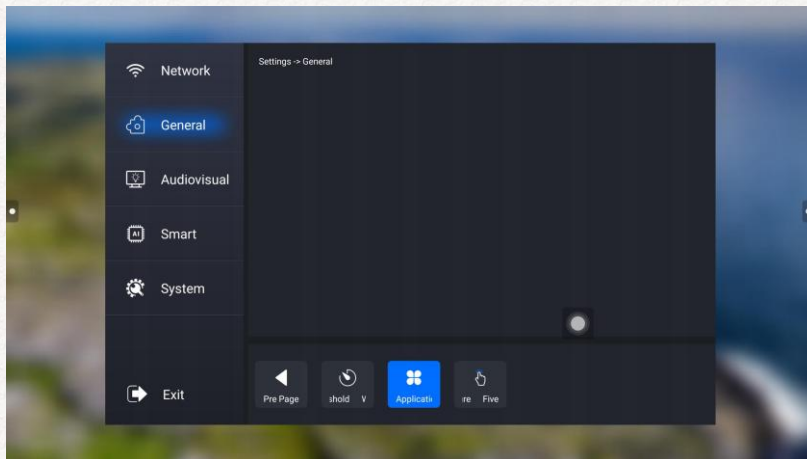
After you click Select, these applications can be enabled by default after startup (it is recommended not to use this function in special cases, which may affect startup speed).

### 8.2.7 Whiteboard Threshold



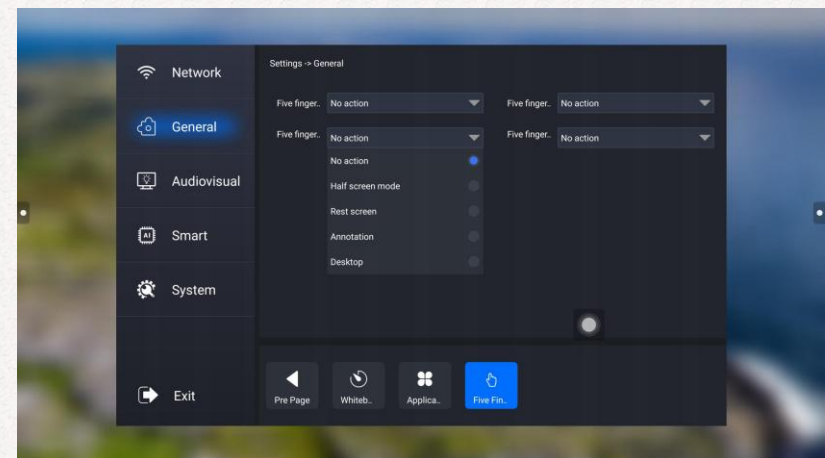
Whiteboard threshold: Identifies the touch contact area under the whiteboard as the crascer function. The threshold value can be adjusted by manual digital input or automatically identified by placing the handle in the blank area above.

### 8.2.8 Applications:



Click this interface to uninstall and authorize the downloaded software. However, the software and APK of the machine cannot be uninstalled. Long press this application and the authorization interface will pop up.

### 8.2.9 Five finger gesture:



You can set the function of five finger sliding left, right, up and down respectively

### 8.3 Audiovisual (Image and screen options are displayed only when they are in the channel)

#### 8.3.1 Picture

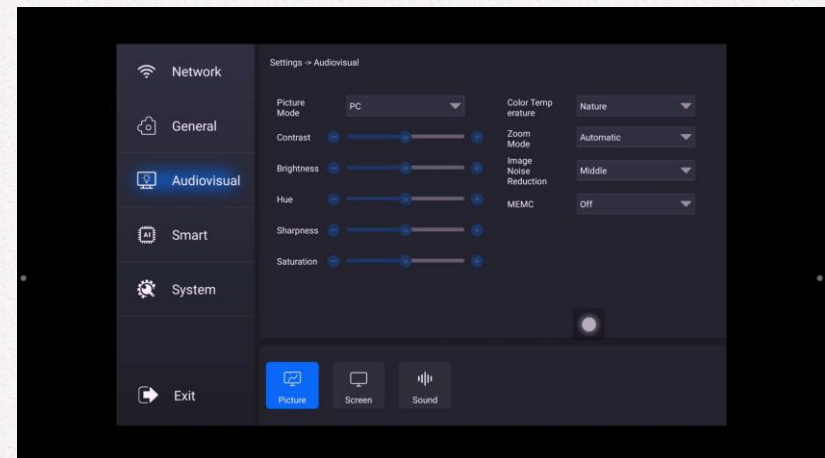


Image mode: can switch to different image modes, can also switch to user mode to manually adjust the desired effect

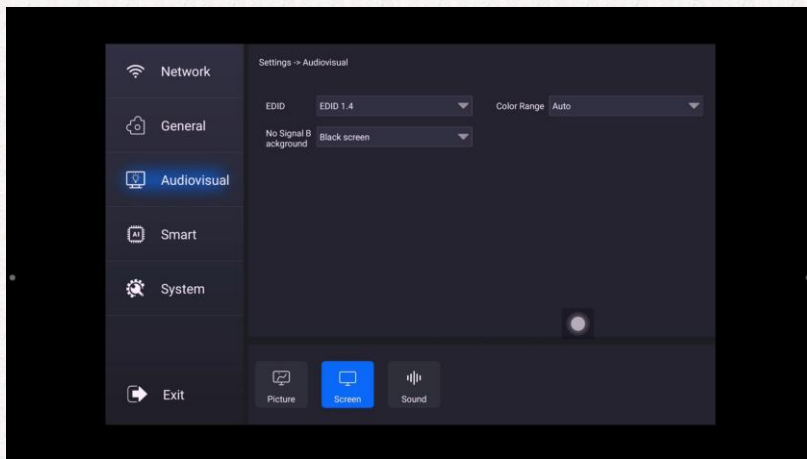
Color temperature: can switch different color temperature mode

Zoom mode: full screen display by default, you can also manually switch the desired mode

Image noise reduction : noise reduction of the picture, so that the picture is clearer

MEMC:The picture will be sharper when opened, but the delay will increase

### 8.3.2 Screen

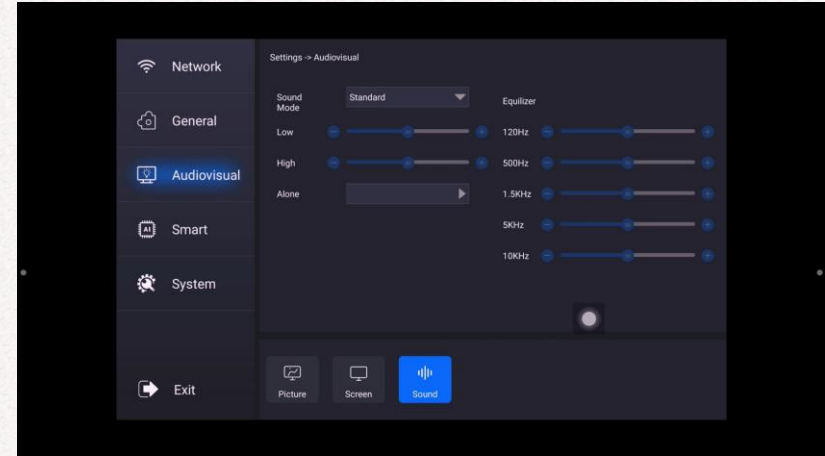


EDID: when the EDID is set to 1.4, the resolution of the channel can be up to 4K30Hz. When the EDID is set to 2.0, the resolution of the channel can be up to 4K60Hz (The EDID can be set only on HDMI or OPS channels and cannot be adjusted on other channels)

Color range: 0-255 or 16-235

No signal background: You can set the background to black or blue when there is no signal on the channel

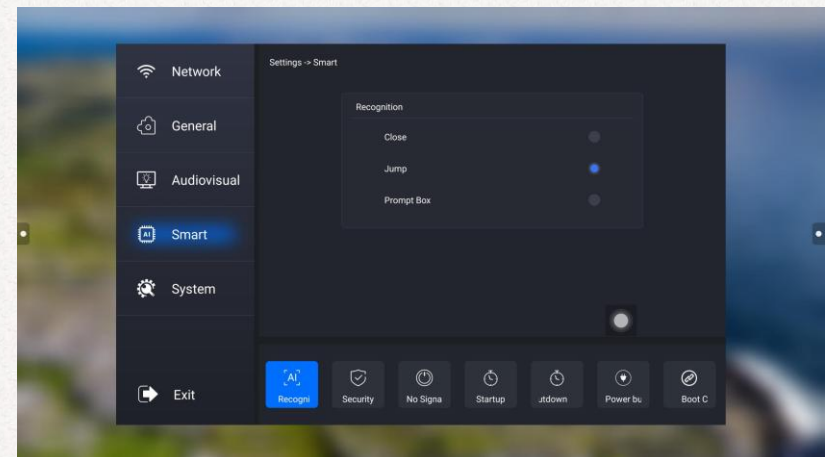
### 8.3.3 Sound



Alone: Click to turn off the backlight, only sound can be heard, tap the screen to wake up the backlight

### 8.4 Smart

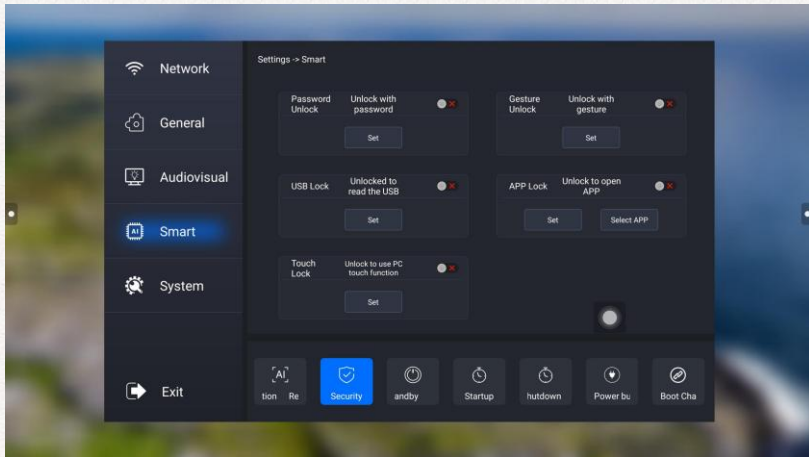
#### 8.4.1 Recognition:



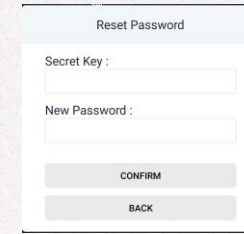
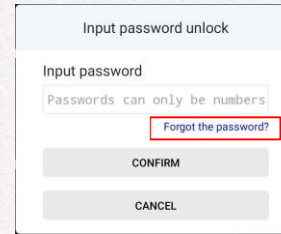
After selecting jump, the machine will automatically jump to the signal channel if there is a signal, and automatically jump back to the built-in computer channel if the current channel signal is unplugged (when the built-in computer is turned on).

Select the prompt box, a selection box will pop up before jumping signal channel, whether to cut to the channel, unplug the current channel signal will pop up a selection box, whether to cut to the built-in computer (when the built-in computer is turned on).

### 8.4.2 Security:



You need to set the unlock password before opening any lock. If you forget the password when unlocking, you can click Forget password, enter the key 0000, then enter the new password, click confirm and enter the new password to unlock.

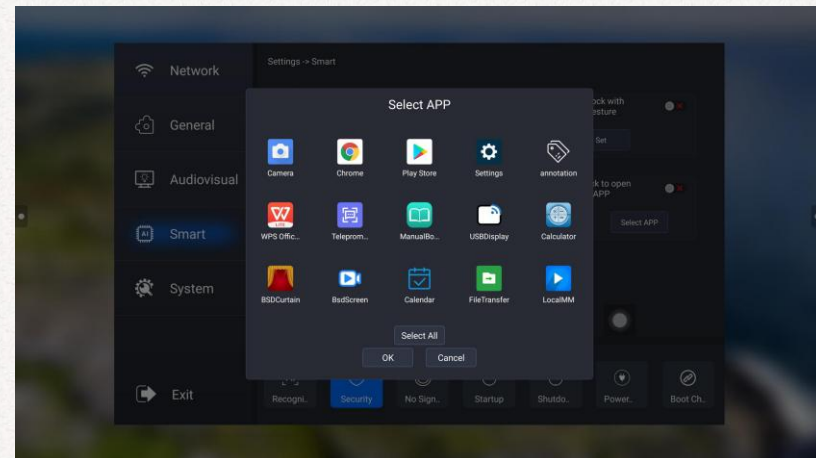


① Password Unlock: The screen will be locked after opening. You need to enter the password to unlock the screen.

② Gesture unlock: The screen will be locked after opening. You need to enter a gesture to unlock the screen.

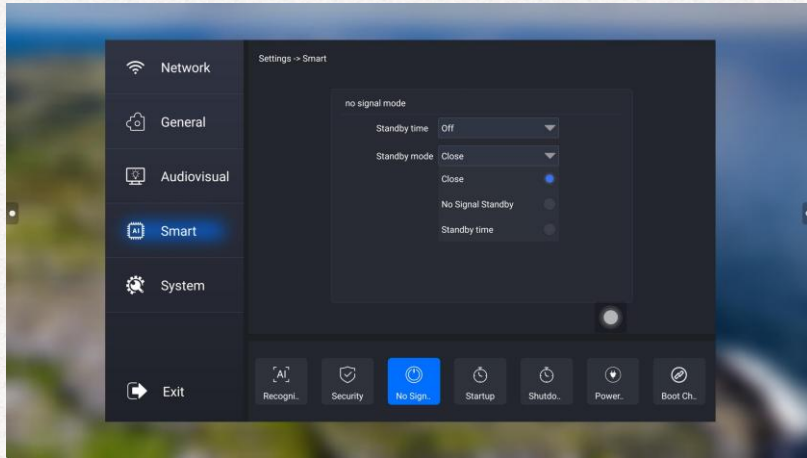
③ USB password lock: After the USB lock is opened, the USB flash drive is connected to the USB port. Click File management, the USB flash drive will not be identified.

④ APP lock: Click to select the APP to be locked. After selecting the APP to be locked, you need to enter the password to open the APP.



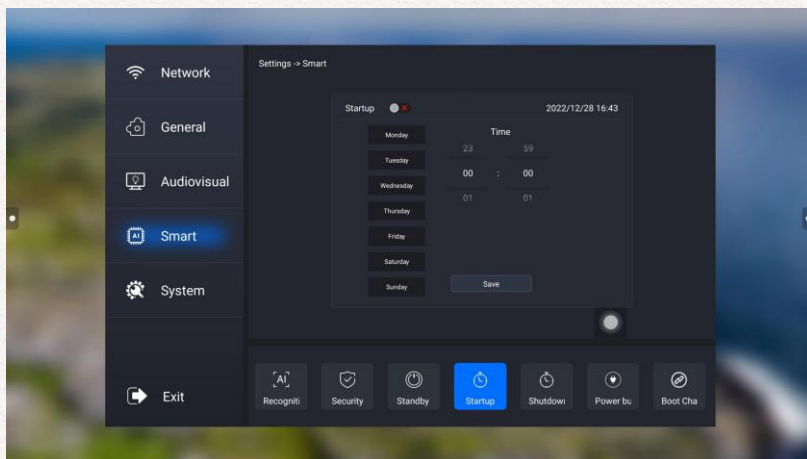
⑤ PC touch lock: After this function is enabled, all channels are not touched.

### 8.4.3 No Signal Standby:



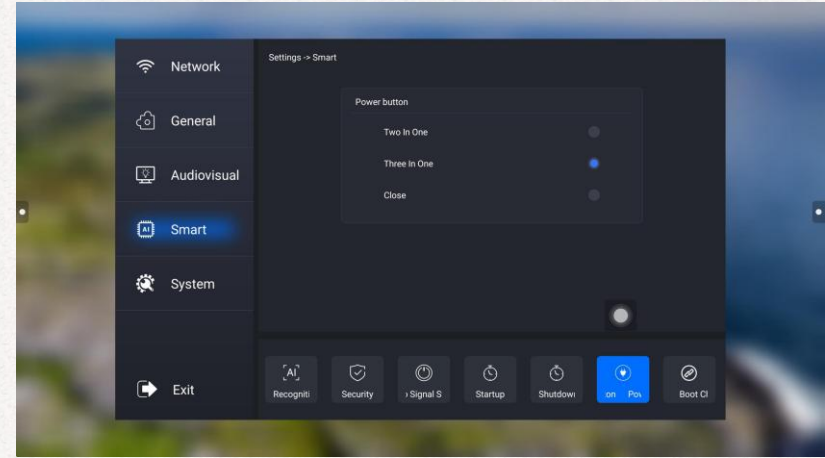
After setting the standby time, you can select the standby mode: no signal standby and no signal shutdown, that is, the machine will enter the standby mode or shutdown after a certain time in the no signal channel.

8.4.4 Timing Switch (After setting a good time, it will automatically shut down or start up) :

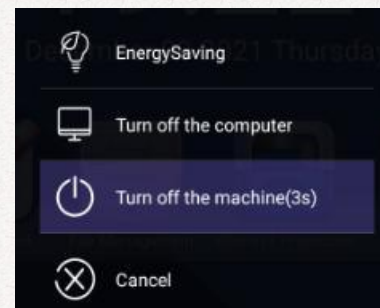


Set the switch time and select the effective date, then click Save Settings

### 8.4.5 Boot Button:



Select 2-in-1 button: When shutting down the PC, two options are displayed: shutting down the PC and shutting down the PC. Select the three-in-one button: When shutting down, the options of energy saving, shutting down the computer, and shutting down the whole machine pop up.

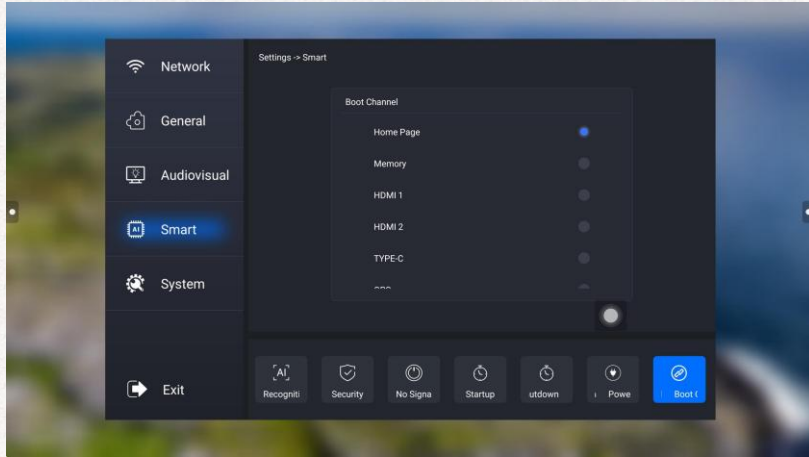


EnergySaving: Just turn off the backlight, OPS and the Android motherboard are still running

Turn off the computer: Only turn off the

Turn off the machine: Shut down the whole

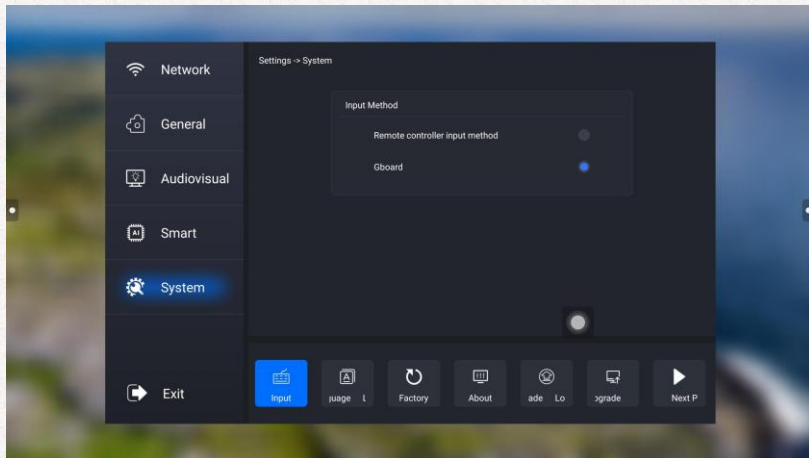
### 8.4.6 Boot Channel:



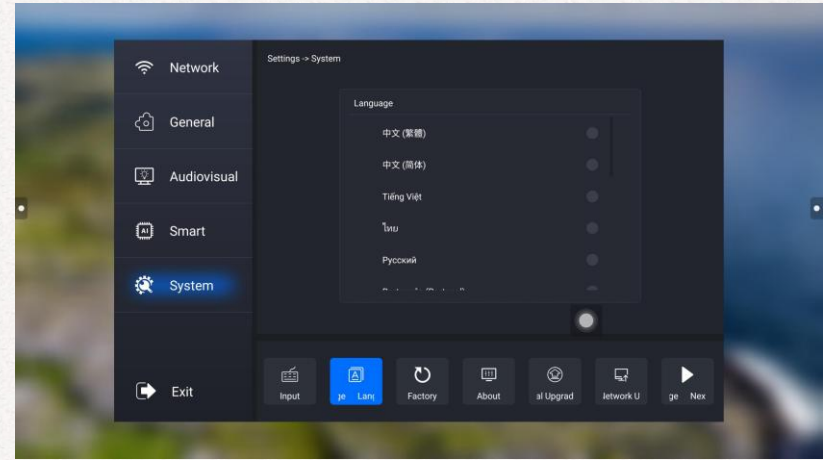
This channel will be entered by default when you start up after you select it, and the Android home page will be entered by default when you start up before you select it. (Setting the boot channel will cancel the Settings inside the boot)

## 8.5 System

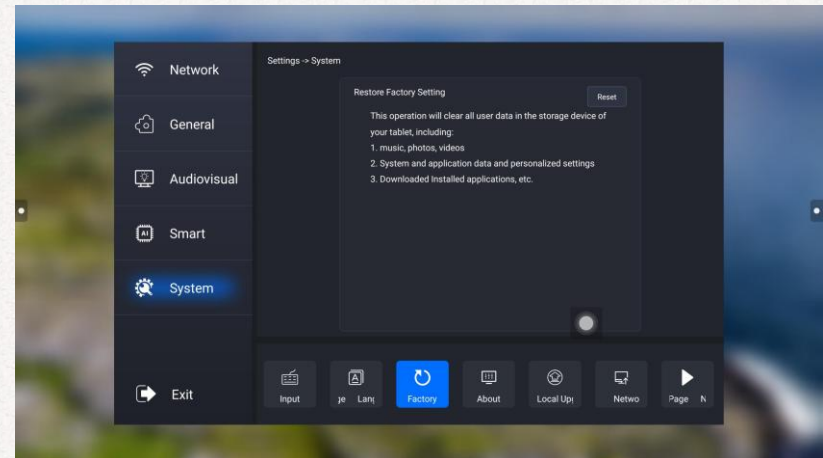
### 8.5.1 Input:



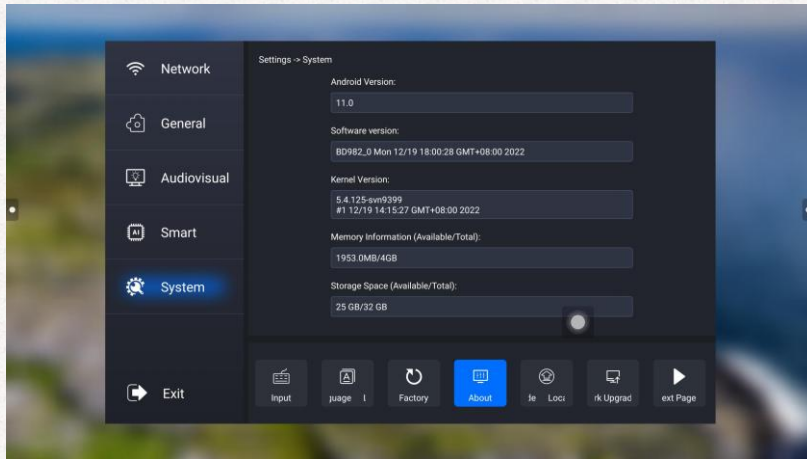
### 8.5.2 Language:



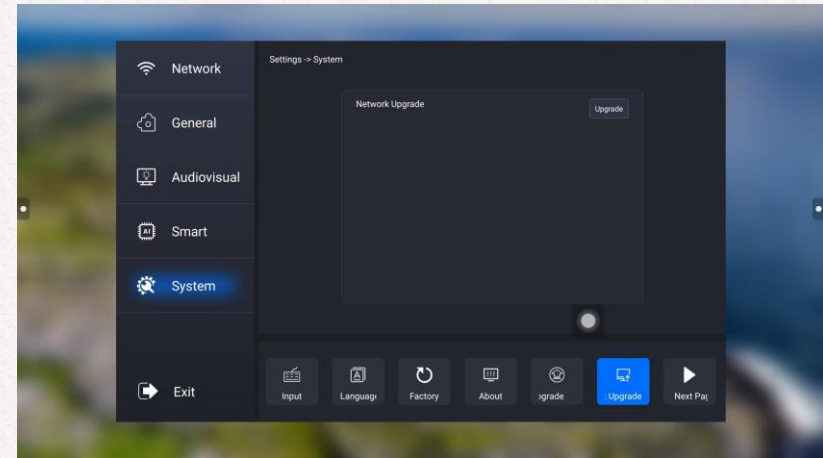
### 8.5.3 Factory:



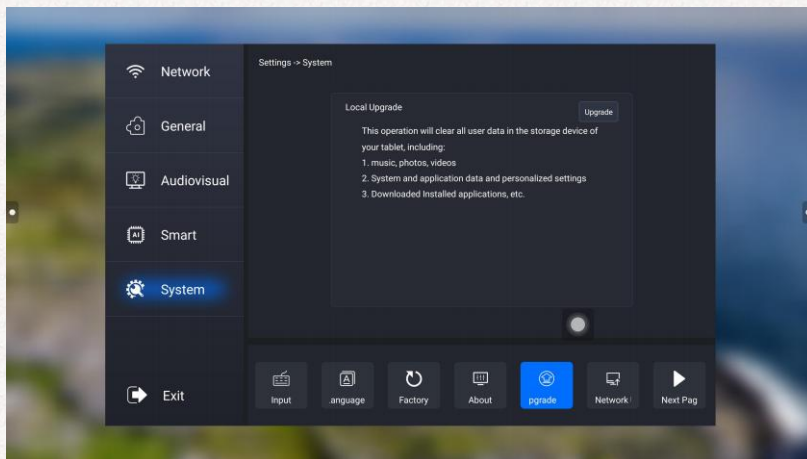
### 8.5.4 About:



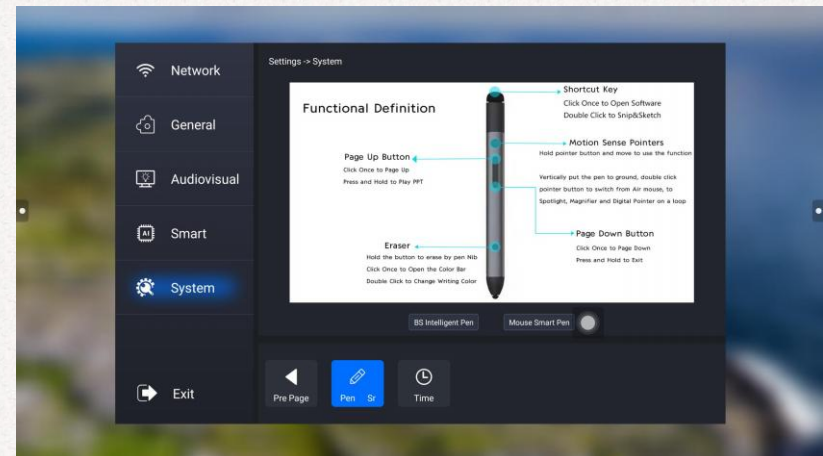
### 8.5.6 Network Upgrade:



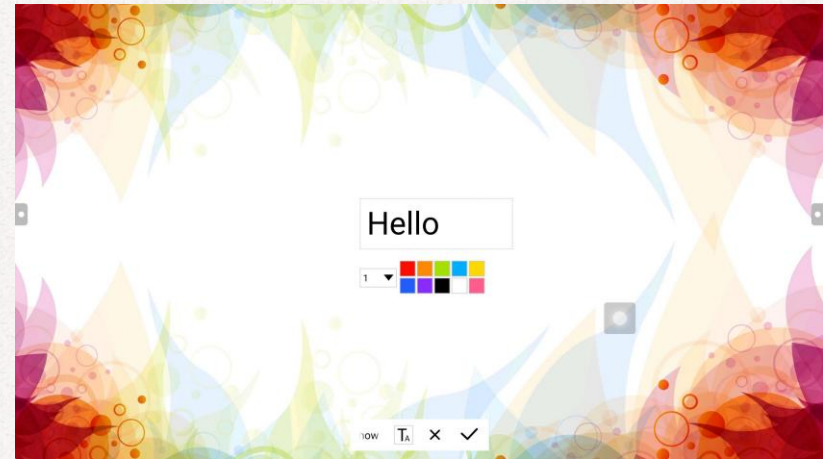
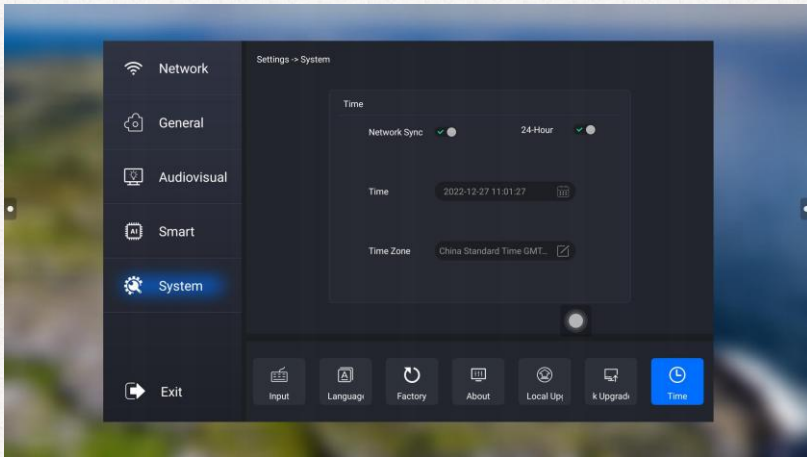
### 8.5.5 Local Upgrade:




### 8.5.7 Smart Pen:

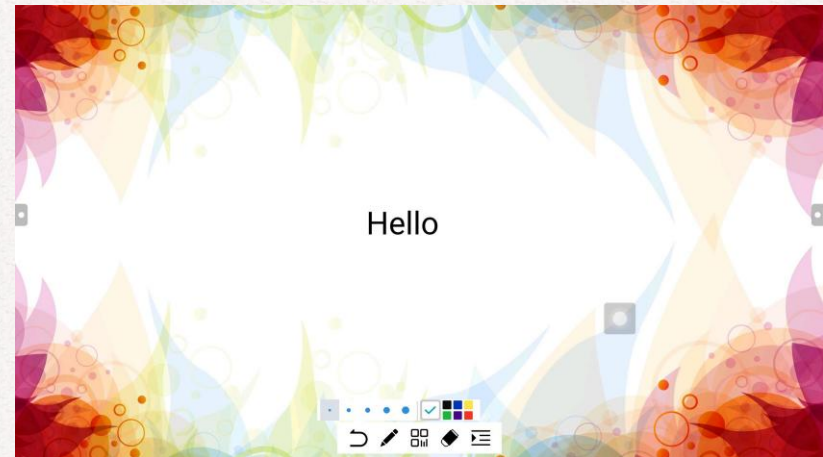
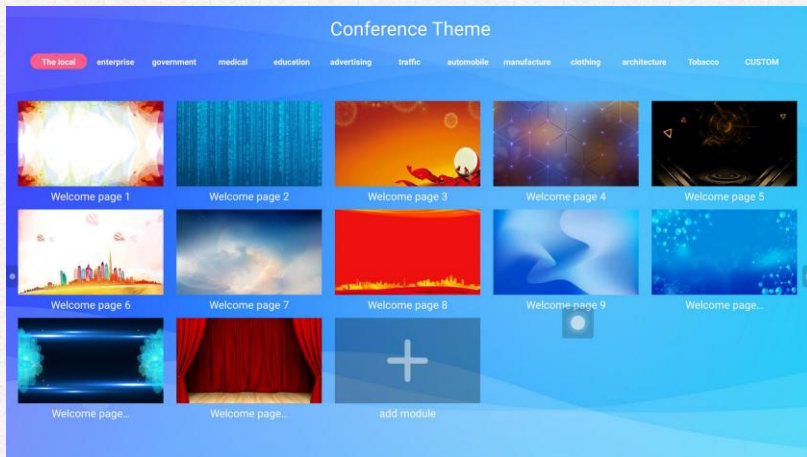


### 8.5.7 Time:



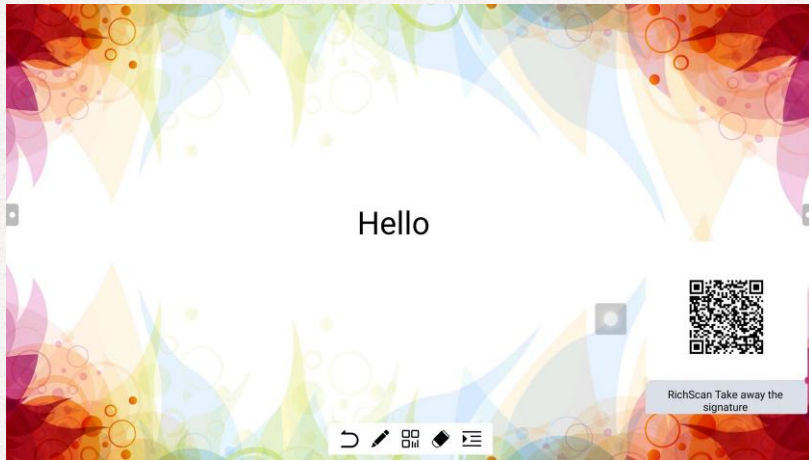
## 9. Welcome message function description

After clicking show, click the icon in the lower right corner  , pop up as shown below:



Select the corresponding style page, double-click to enlarge it, and then click the page to enter the welcome word.

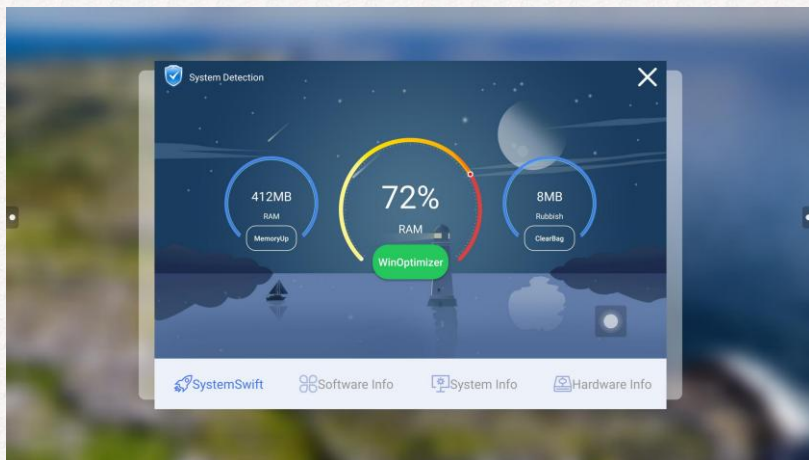
Click the brush to sign, or click the TWO-DIMENSIONAL code to sweep away  
(This function requires networking)



## 10. Other APP functions

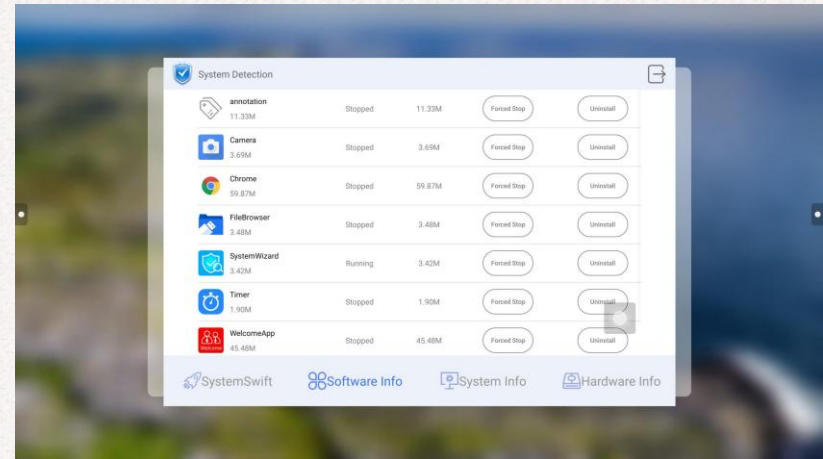
### 10.1 SystemWizard

①SystemSwift:



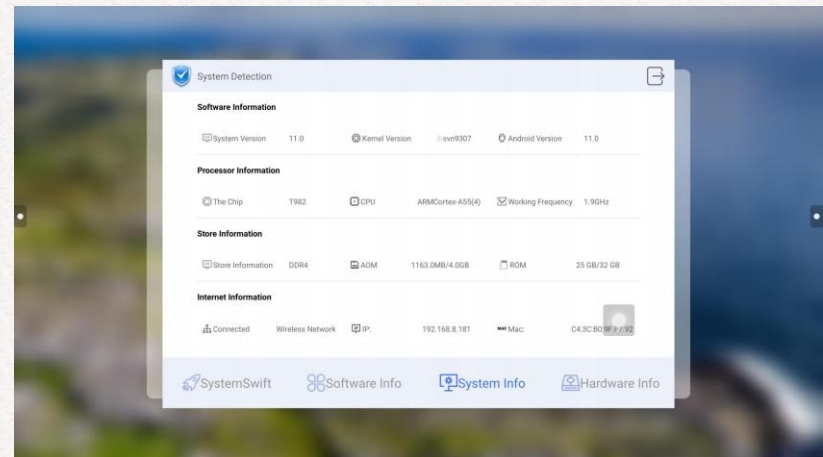
Used to clean up system garbage and optimize running speed

②Software Info:



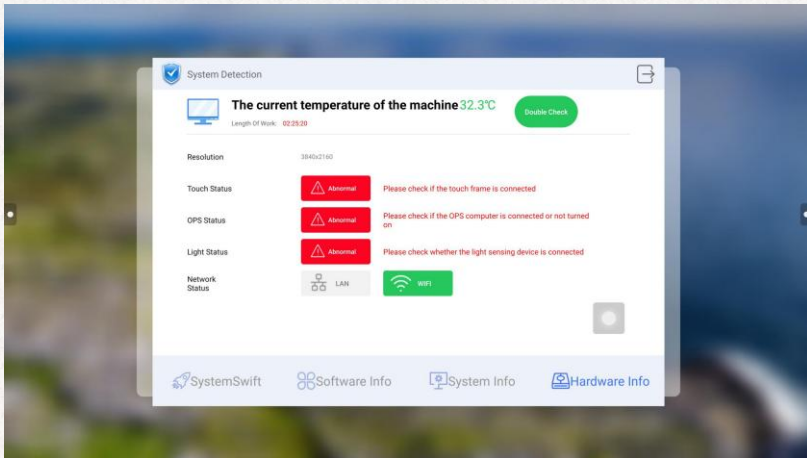
Stop applications and uninstall non-system applications

③System Info:



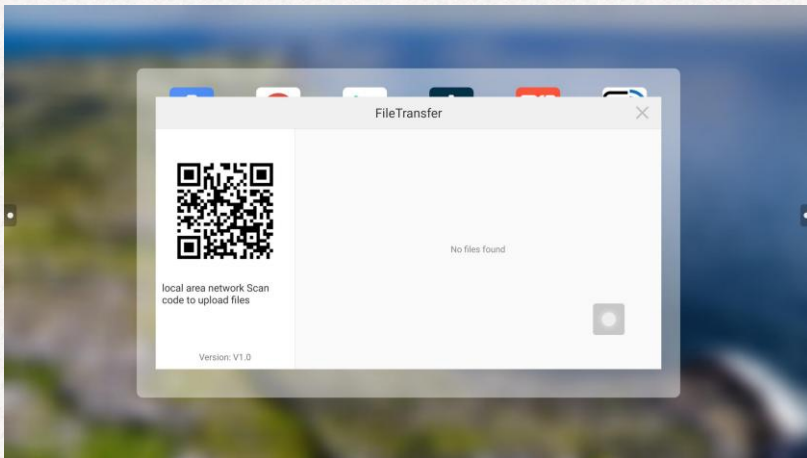
View system information

④Hardware Info:



Check whether all functions are normal

10.2 Files fast pass (Must be in the same LAN to be able to transmit) :



10.3 Vote (Network connection required) :

