IQTouch

TE1300

Interactive Flat Panel Display

——User Manual——

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Safety Instruction

For your safety, please read the following instruction before you use the device. Serious injury or property damage may be caused by improper operations. Do not try to repair the device by your own.

<table>
<tr><th colspan="2">⚠ WARNING</th></tr>
<tr><td> </td><td>Disconnect the machine from power supply immediately if any major failures occur.
Major failures include the following:
• Smoke, peculiar smell or abnormal sound is discharged from the device.
• No image or sound is displayed, or the image error occurs.
• Where the main plug or an appliance coupler is used as the disconnect device the disconnect device shall remain readily operable.
In the preceding scenarios, do not continue to use the machine. Disconnect power supply immediately and contact professional staff for troubleshooting.</td></tr>
<tr><td rowspan="2"> </td><td>Do not drop liquid, metal or anything combustible onto the machine.
• If any liquid or metal is dropped into the machine, power off the machine and disconnect power supply, then contact professional staff for solutions.
• Pay attention to children when they are close to the machine.</td></tr>
<tr><td>Put the machine on a stable surface.
An unstable surface includes and does not limit to an inclined plane, a shaky stand, desk or platform, which might cause turnover and damage.</td></tr>
<tr><td> </td><td>Do not open the cover or change the machine on your own.
High voltage components are installed in the machine. When you open the cover,</td></tr>
</table>

	high voltage, electric shock, or other dangerous situations may occur. If inspection, adjustment, or maintenance is required, contact the local distributor for help.
	Use the specified power supply. • To prevent the machine from being damaged, do not use any cables other than the one provided with the machine. • Use a three-wire socket and ensure that it is properly grounded. • Pull out the power plug from the socket if the machine is not used for a long period.
	Clean the power plug regularly. • Continued use of this machine may cause fire or electric shock if the plug is not clean for a long time. • Pull out the power plug before cleaning it with a dried cloth.
	Power output port is 5V/2A.
	Do not put items on the top of the machine. • Do not put items, such as a container for liquid (a vase, flowerpot, cosmetics, or liquid medicine) on the top of the machine. • If any liquid such as water is spilled on the machine, the machine may short circuit and cause fire or electric shock. • Do not walk on or hang any items on the machine.
	Do not install the machine in an improper place. • Do not install the machine in humid places, such as the bathroom, the shower room, near windows, or outdoor environments that experience rain, snow, or other harsh weather. Avoid installation near hot spring vapor. The preceding environments may cause faults in the machine or electric shock under extreme conditions.

	• Do not put an exposed fire source, such as a lit candle, on the machine.
	Pull out the power supply during thunderstorms. • Do not touch the machine during a lighting storm, you may experience an electric shock. • Install or place components that supply high enough voltage to cause personal injury out of the reach of children.
	Do not touch the power cable with wet hands.
CAUTION	
	Do not install the machine in high temperature environments. • Do not install the machine near a heat source, such as a radiator, a heat reservoir, a stove, or other heating machines. • Do not expose the machine to direct sunlight, which may cause high temperatures and subsequent faults in the machine.
	When transporting the machine: • Pack the machine for transport or maintenance by using the cartons and cushioning material provided with the machine. • Move the machine vertically during transport. The screen or other components are easily broken if the machine is moved in an improper way. • Before you move the machine, disconnect all external connections. Move the machine carefully to prevent it from being hit or squeezed, especially the screen, which may cause injury if broken.
	Do not cover or block up any vents on the machine. • Any overheated components may cause fire, damage the machine, and shorten the service life.

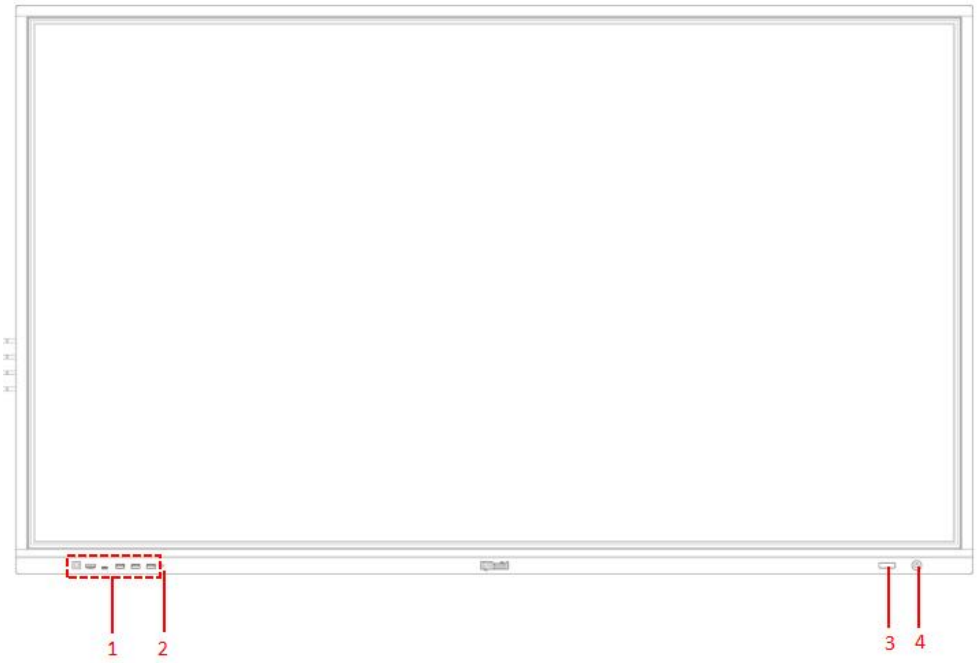
	• Do not lay the machine down in a way where the venting surface will be covered. • Do not install the machine on carpet or cloth. • Do not use a cloth, such as table cloth, to cover the machine
	Keep the machine away from the radio. The machine complies with the international EMI standard to prevent radio interference. However, interference may still exists and causes noise in the radio. If noise occurs in the radio, try the following solutions. • Adjust the direction of the radio antenna to avoid the interference from the machine. • Keep the radio away from the machine.
	Do not damage the power cable. • Do not damage, change, twist, bend, or forcibly drag the power cable. • Do not put weights (such as the machine itself) on the power cable. • Do not forcibly drag the cable when you pull out the power plug. If the power cable is damaged, please contact the local distributor to repair or replace it. • The power cable in the accessory box is for this machine only, do not use it on other machines.
	Use the battery correctly. • Galvanic corrosion, electric leakage, and even fire may be caused by improper battery usage. • It is recommended to use the designated type of battery and install the battery by the correct electrodes (positive and negative). • Do not install and use a new battery with a used one. • Take out the battery if the remote control is not used for a long period. • Do not expose the battery to overheated environments, such as sunlight or heat

	sources. • Dispose of the used battery based on your local regulations.
	Additional advice： • Use the machine in an environment with comfortable lighting. It is harmful to your eyes to watch in a too bright or too dark environment. • Relax your eyes watching for a period of time. • Keep sufficient distance from the machine to protect your eyes and prevent eyestrain. • Adjust the volume to an appropriate level, especially at night. • Use amplifier equipment as the audio input source with caution. If you must use amplifier equipment, the input power should not exceed the maximum of speaker power. Otherwise, the speaker can become overpowered and damaged.
	Special remarks： • The machine can only achieve zero energy consumption when no external input power supply is connected. Therefore, it is recommended to turn off the device when not using to reduce energy consumption. • On the premise of ensuring the viewing quality, energy consumption can be reduced by reducing the brightness of the display. • This machine can be used with all kinds of built-in computers, which can be upgraded or replaced according to your needs.

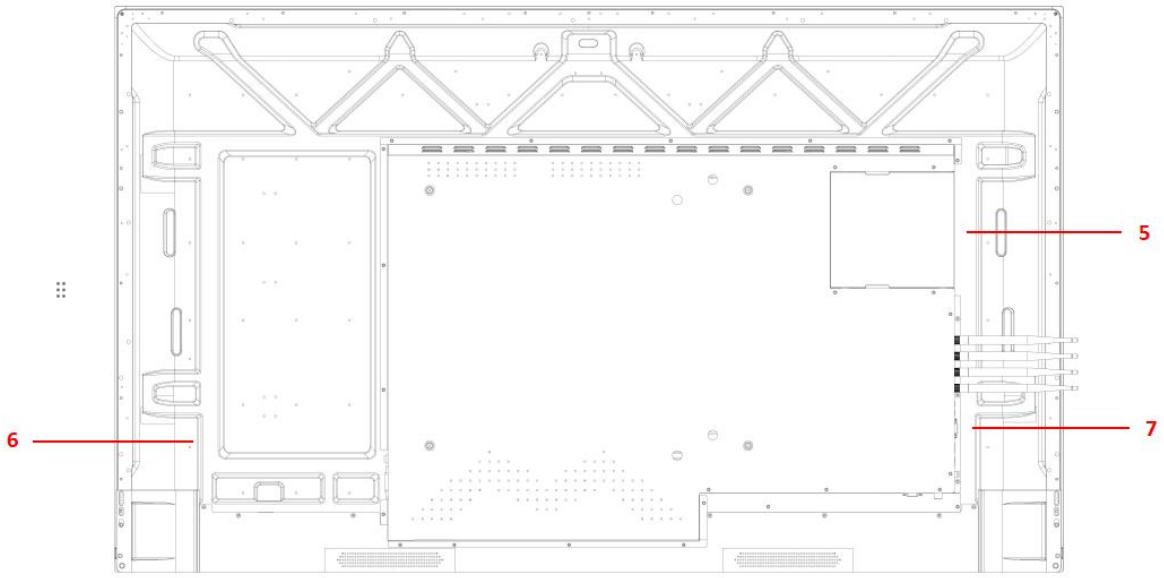
1. Product Overview

1.1 Appearance Introduction

Front View



Rear View



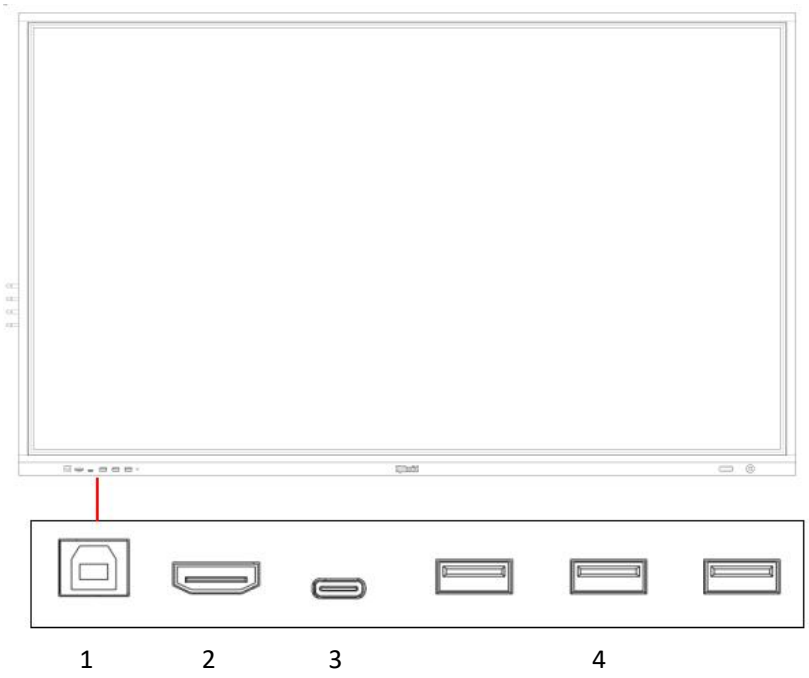
1	Front Ports
2	Light Sensor
3	Remote Control Receiver
4	Power On/Off
5	OPS Port
6	Power Supply Plug
7	Rear Ports

1.2 Ports

CAUTION

- *Front USB ports and rear USB 3.0/USB 2.0 ports switch connections based on signal sources. If the current signal source is reading the data from an external product connecting to the port, please switch the signal source after the data reading is complete. Otherwise, the data or product may be damaged.*
- *For USB use, USB 2.0 provides up to 500Ma whereas USB 3.0 provides up to 900Ma of power. Please make sure the USB flash drive is formatted to FAT32 before inserting into the panel.*
- *Please use the supplied cable in the accessory box or the HDMI association certified shielded cable to better ensure the signal quality.*
- *While HDMI and Display Port offer support for cables of varying lengths, the maximum cable length that the panel recommends for optimal performance is 3 meters (10 feet) for HDMI and 1.8 meters (around 6 feet) for Display Port. Using cable longer than recommended length may cause data loss and a negative impact to display quality.*

Front Ports



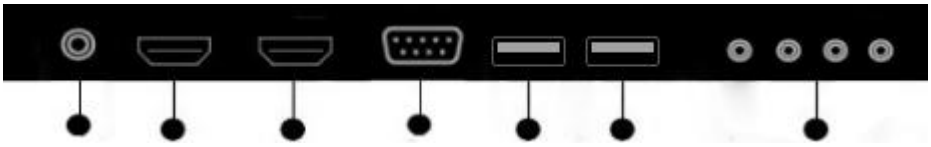
Item	Icon	Function Description
1		Touch USB cable to realize the touch function of external device
2	HDMI	HDMI port used to connect an external display device
3		USB Type C: Image, power, touch, audio and video transmission
4		USB 3.0 port (Andriod & PC)

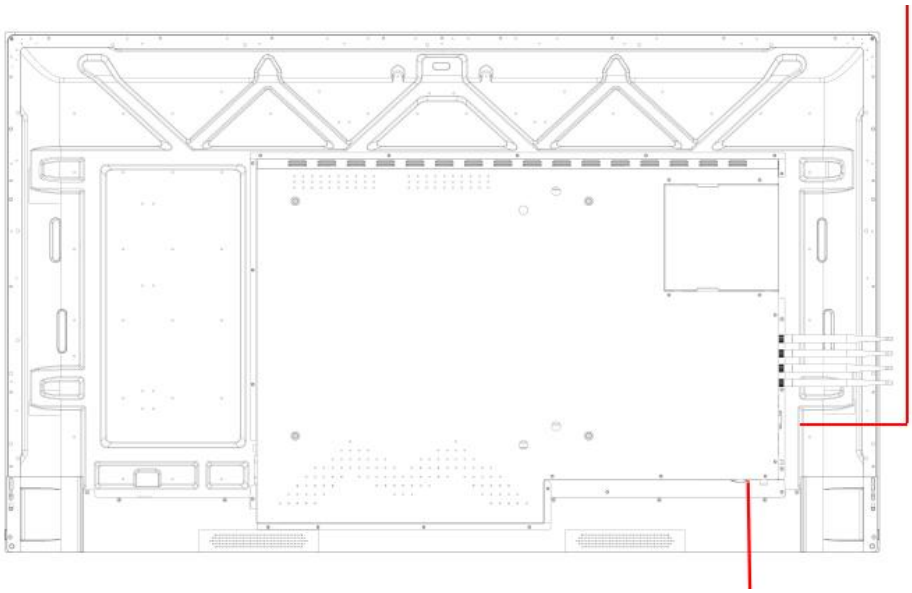
WARNING

The rear power output port is supplies 5 V/2 A (maximum) power. Please purchase the power AC adapter for powering external devices. Please do not connect any products which require power than listed. Doing so may cause injury or damage to the panel.

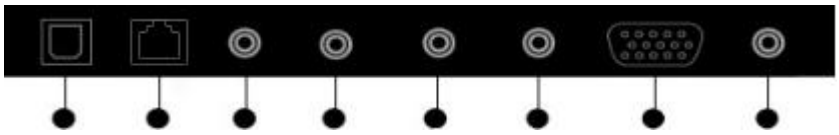
Rear Ports

Side Interface

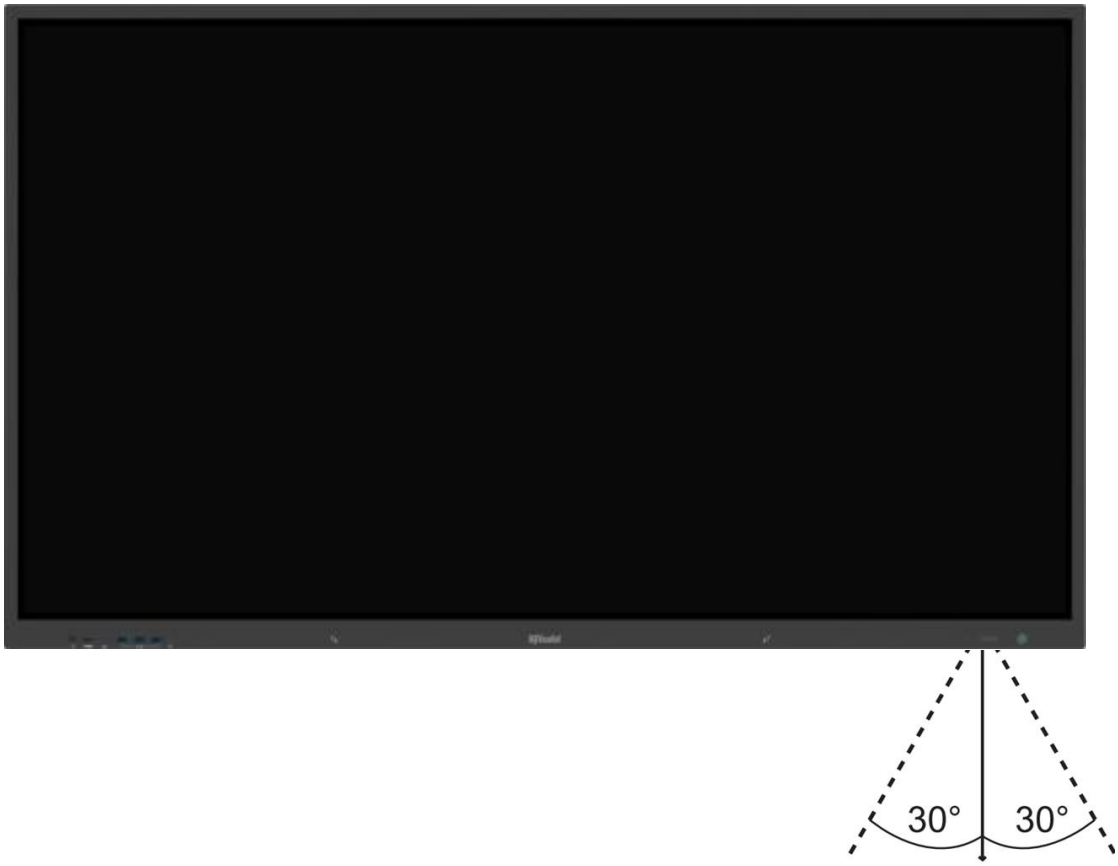




Terminal Interface



1.3 Remote Control Area



The effective receiving area is about 3 meters with 30° angle from vertical point to the left and right. And the effective receiving area is about 5 meters from the front of device. Note that the remote control signal receiver locates at the position of power indicator.

1.4 Remote Control

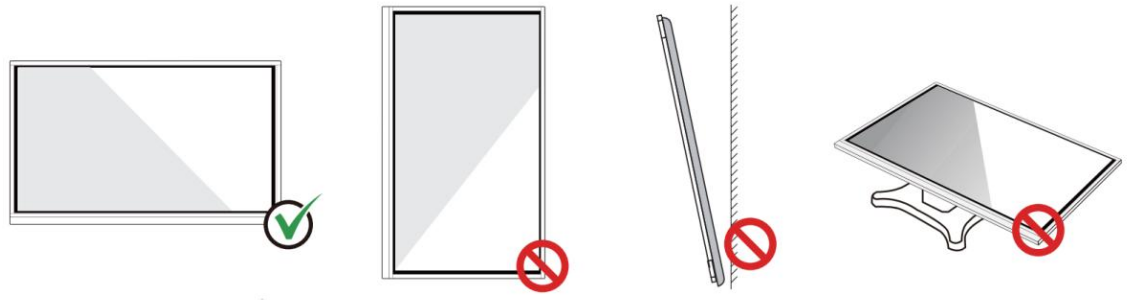
Buttons	Functions
⏻	Power on/off
🔇	Mute
PC	OPS computer shortcut
VGA	VGA mode shortcut
HDMI	HDMI mode shortcut
MEDIA	Multi-media mode shortcut
F1-F12	Correspond to computer buttons F1-F12
Input	Select different input source
💡	Open/close backlight
▲▼◀ ▶	Up/down/left/right button
OK	Confirm
Menu	Open/close menu
Esc/Exit	Stop current operation or exit menu
VOL+/VOL-	Control sound volume
CH+/CH-	Select different input source
PgUp/PgDn	Next/previous page in ops mode
0~9	Input digit/”space” in OPS mode
Alt +Tab	Change window in OPS mode
Alt +F4	Close window in OPS mode
⏻	Power on/off
🔇	Mute
PC	OPS computer shortcut
VGA	VGA mode shortcut

2.Installation

2.1 Safety Precautions

Installation Environment

Installation Direction



2.2 Installation Step

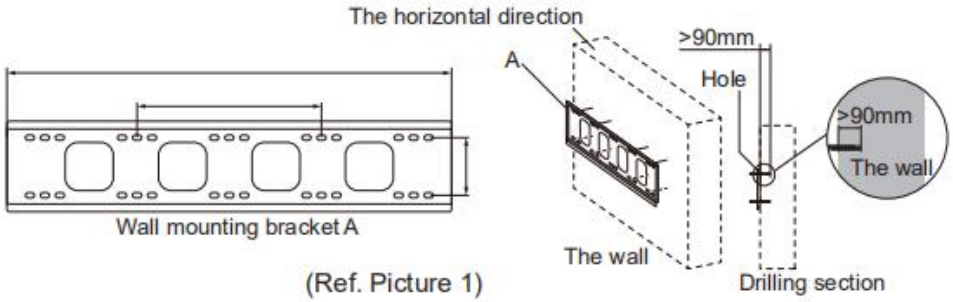
Bearing Capacity

If the product is installed in a wall-mounted way, the bearing capacity of the surface for installation must be at least four times of the weight of the product. If the surface for installation is a wall or the ceiling of a building, the surface must be made of solid bricks, concrete or other materials with equal intensity. If the product is installed on a surface made of loose material such as an old brick wall, wood plank wall, solid brick wall, a metal or non-metal structure surface, or a surface with a thick decoration layer, take necessary consolidating measures to ensure that the product is stably installed.

Step 1: Punching holes in the wall

Mark 8 holes location on the wall according to wall mounting bracket A and use the drill bit to drill the 8 holes. Depth of holes should not be less than 90mm (Ref. Picture 1)

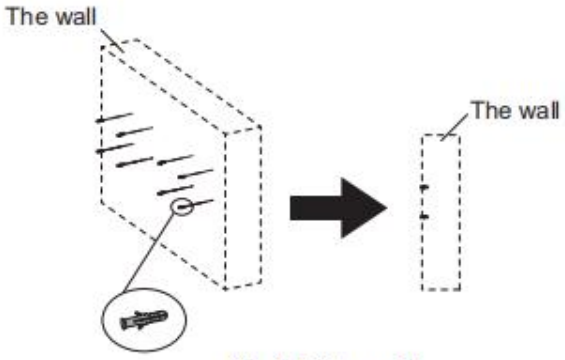
Note:
In order to ventilate and dissipate heat to ensure the normal operation of the device, please keep enough distance between the device and other objects. It is recommended that the top and bottom are more than 20cm away from the mounting surface, and the left and right sides, the rear are more than 10cm away from the mounting surface.



(Ref. Picture 1)

Step 2: Expansion bolt installation

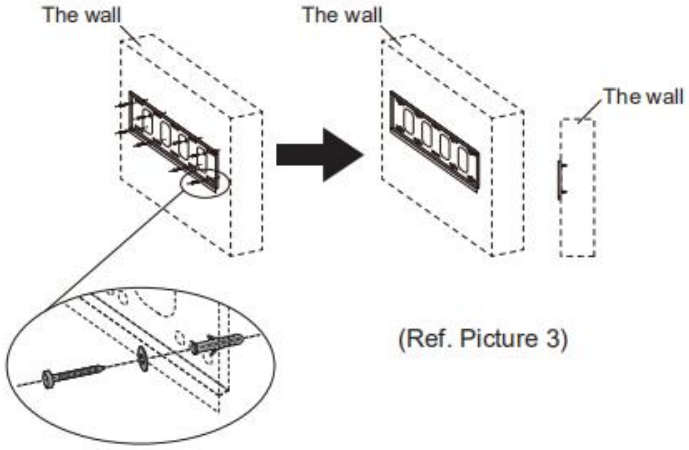
Press the wall anchors into 8 holes. (Ref. Picture 2)



(Ref. Picture 2)

Step 3: Wall mounting bracket A installation

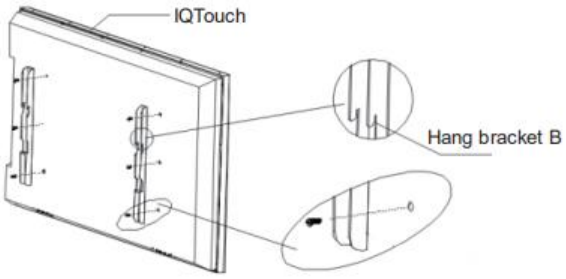
Install the wall mounting bracket A with 8pcs screws and gaskets. Please ensure that the wall mounting bracket A is installed horizontally. (Ref. Picture3)



(Ref. Picture 3)

Step 4: Install the left& right hang bracket B to IQTouch.

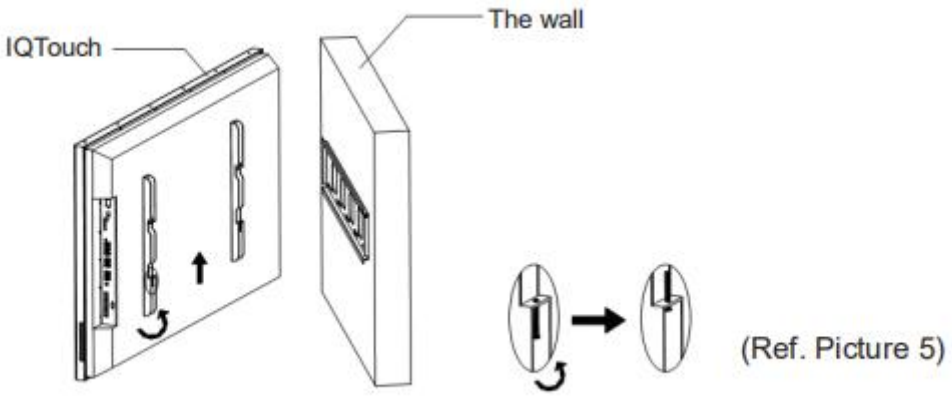
Use screws fix the hang bracket B at the back of IQTouch. Please check the direction of hang bracket B before installation. (Ref. Picture 4)



(Ref. Picture 4)

Step 5: Hang IQTouch on the wall mounting bracket A

Hanging the hang bracket B on the left and right on to the wall mounting bracket A, please ensure two hang brackets B completely hanged onto wall mounting bracket A, then tighten the screws of hang bracket B to prevent it slide. (See Ref. Picture5)



(Ref. Picture 5)

Note: The picture here is for your reference only .

2.3 Weight Loading

- Net weight of the machine(**65**",**75**",**86**"): 40kg(±2kg), 56kg(±2kg), 66kg(±2kg).

When using a mobile stand, ensure that the weight of the machine is less than the loading capacity of the mobile stand.

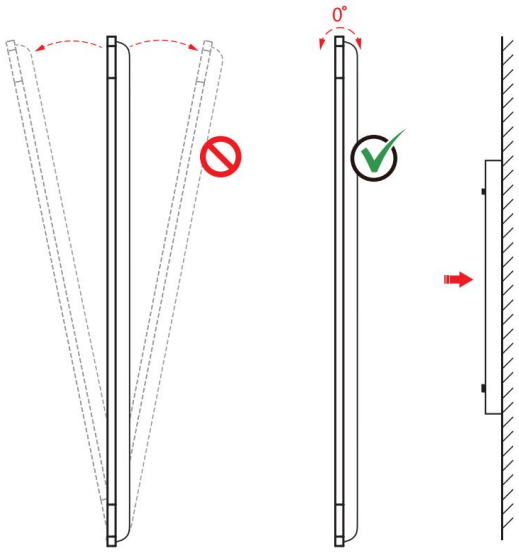
When using the wall-mount bracket, ensure that the wall can support the weight of the machine. We recommend that the wall surface be reinforced and have a loading capacity 4 times of the weight of the machine. Consult a professional installer for wall-mount installation.

Note:

- The company does not undertake relevant legal responsibility for any problems caused by improper operation if the third party mobile stand, or wall-mount bracket is beyond the scope of the machine.
- Do not install the machine where it might be hit by an opening or closing door.

Vertical Installation

When installing, try to keep the machine vertical. The vertical tilt range allowed for wall-mount installation is ±3 degrees. An excessive tilt angle may cause the screen glass to fall off or the machine to collapse.

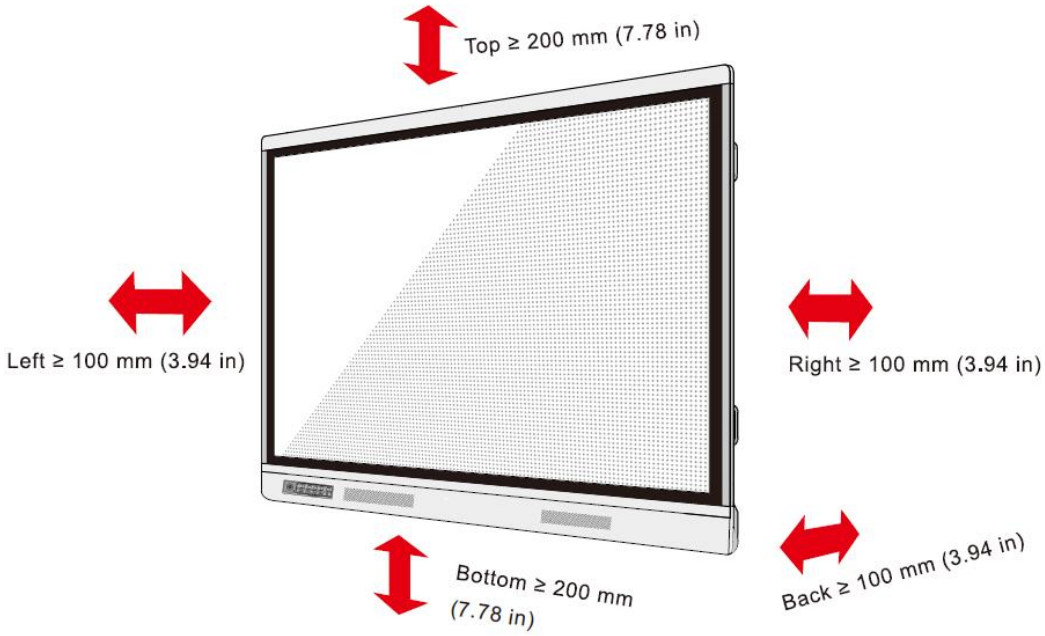


Note:

- In case of broken glass, all personnel must stand 3 meters away from the machine to ensure safety.
- Do not install or disassemble the machine if the glass is broken.
- For any problem, please contact our support desk. Returnstar is not responsible for any damage or losses incurred by users if the user fails to follow the instructions.

Ventilation

Ensure adequate ventilation and/or an air conditioned environment. We recommend keeping certain distances from the side of the product to the wall or panels. Ventilation requirements are shown in following figure:



2.4 OPS Installation

CAUTION

The OPS does not support hot-plugging. Please insert the plug of the OPS after the interactive flat panel display is disconnected from the power.

Perform the following steps to install the OPS：

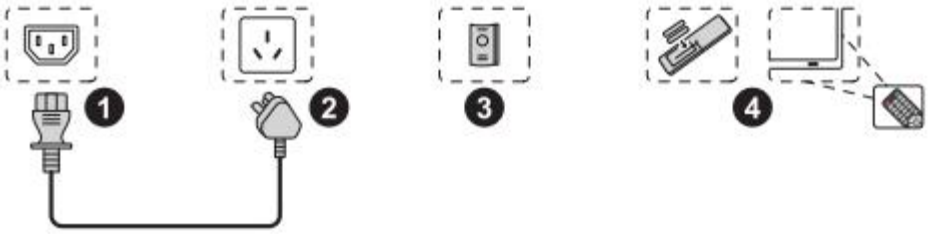
1) Insert the OPS into the special slot on the rear of the interactive panel.
2) Tighten the screws.
3) Confirm that the OPS is installed correctly.

Note: If the screen fuzzes, flashes or no signal is received from OPS channel after turning on the power, it means that OPS has not been properly installed. Please check it and re-install.

Handle facing outward

3.Getting Started

3.1 Power On

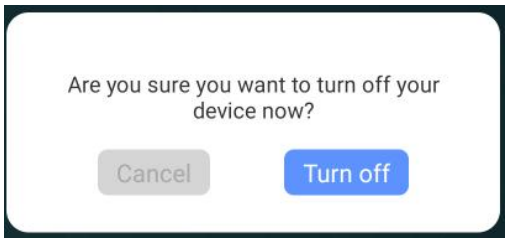


1) Connect the power cord to the port at the back of the device.
2) Plug the power cord to the electrical socket.
3) If the power LED light is not turn red please turn on the rocker switch at the back of the device.
4) Press power button or put the battery in to remote control and use remote control to power on the device.

3.2 Power Off

Step 1: Press the power button on the front panel or the power button on the remote control to enter sleep mode.

Step 2: Long press the power button on the front panel or the power button on the remote control, The **Warning** dialog box will be displayed as shown in the following figure.



Step 3: In the **Warning** dialog box, tap **Cancel** to return to working mode. Tap **Turn off** to turn off the panel, and the power indicator will turn to red.

Step 4: If you want to completely turn off the product, turn off the rocker switch behind the panel (next to the power socket) and unplug the power cord.

NOTE

- If an OPS is installed, the OPS and the screen will simultaneously powered off when the power is turned off.
- Please properly shut down the panel before disconnecting the power source or it may cause damage. Accidental power failure may cause damage to the panel.
- Do not repeatedly turn the power on & off in a short period of time as it may cause malfunction.

3.3 Calibration

If the cursor position has a big deviation from the actual touch point, calibration is used to eliminate the deviation. Calibration is required in the following scenarios:

- The OPS is used.
- A computer is connected through the HDMI or Display Port interface.

NOTE

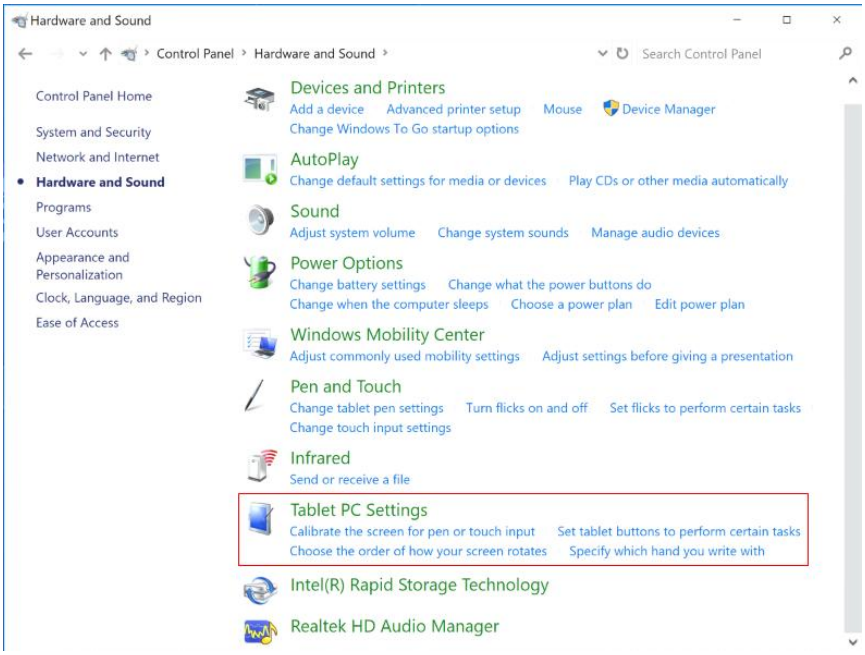
Interface operation on the embedded operating system does not need positioning. External products with Microsoft Windows 7 or higher versions will require positioning.

If the positioning is not correct, perform the following operations to calibrate again. The following takes Windows 10 as an example:

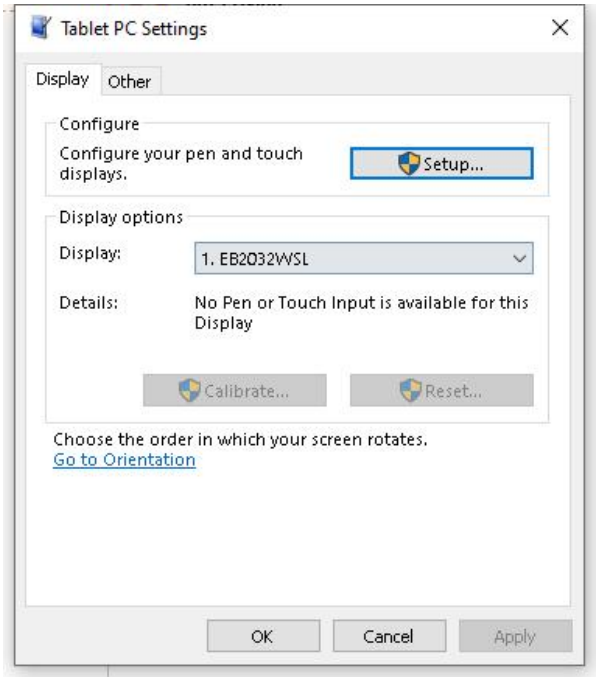
Step 1: Ensure that the HDMI or DP interface and external products are connected properly.

Step 2: Select the corresponding Windows signal from the signal source menu. The Windows page will be displayed.

Step 3: Select **Tablet PC Settings** on the **Control Panel** page.

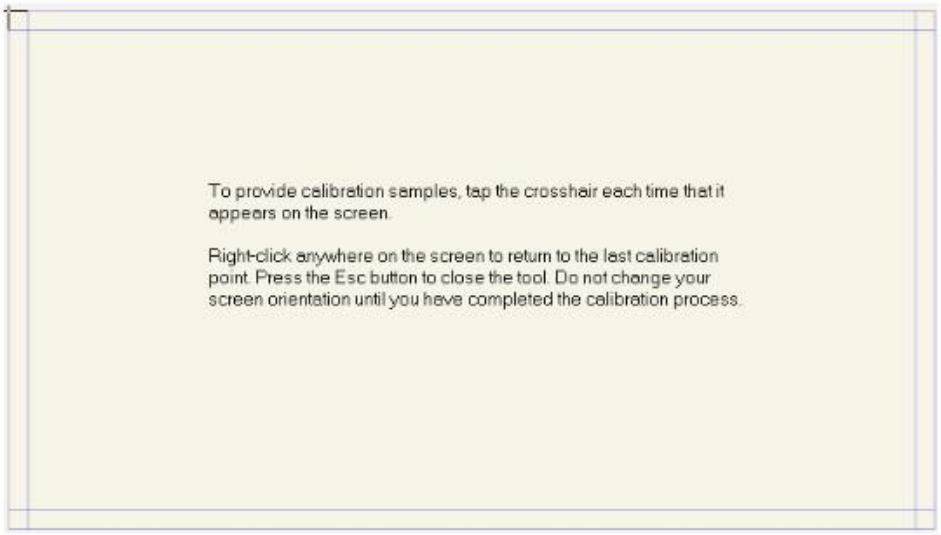


Step 4: Select in the Tablet PC Settings window.

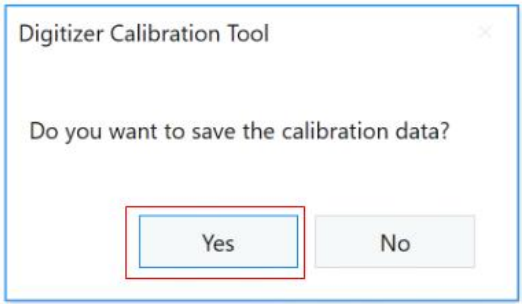


Step 5: Select **Touch input** from the option and start calibration.

Step 6: Use your finger or a pencil to click and hold the center of the flickering cross. Do not release until moves to the next positioning point. Complete the calibration process as instructed.



Step 7: After the calibration is complete, the **Digitizer Calibration Tool** dialog box will be displayed. Click **Yes** to save calibration data.



TIP

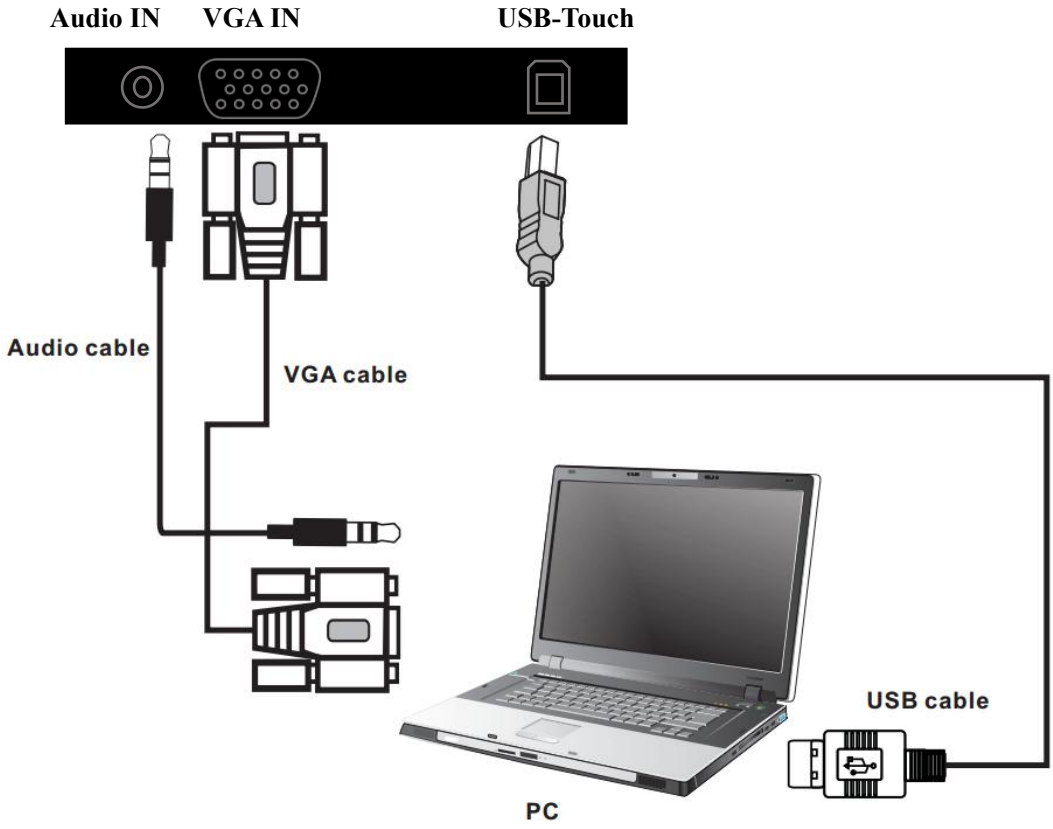
- To ensure writing accuracy, use the pencil or stylus included with the product for proper positioning.
- Positioning errors may cause failure of touch functions of the display. In that case, please perform calibration again.

Step 8: The **Tablet PC Settings** dialog box will be displayed again. Tap **OK**. The calibration will be complete.

4.Connecting and Setting

For safety, please do not connect any power supply before the external devices setup.

4.1 External Computer and Touch Connecting

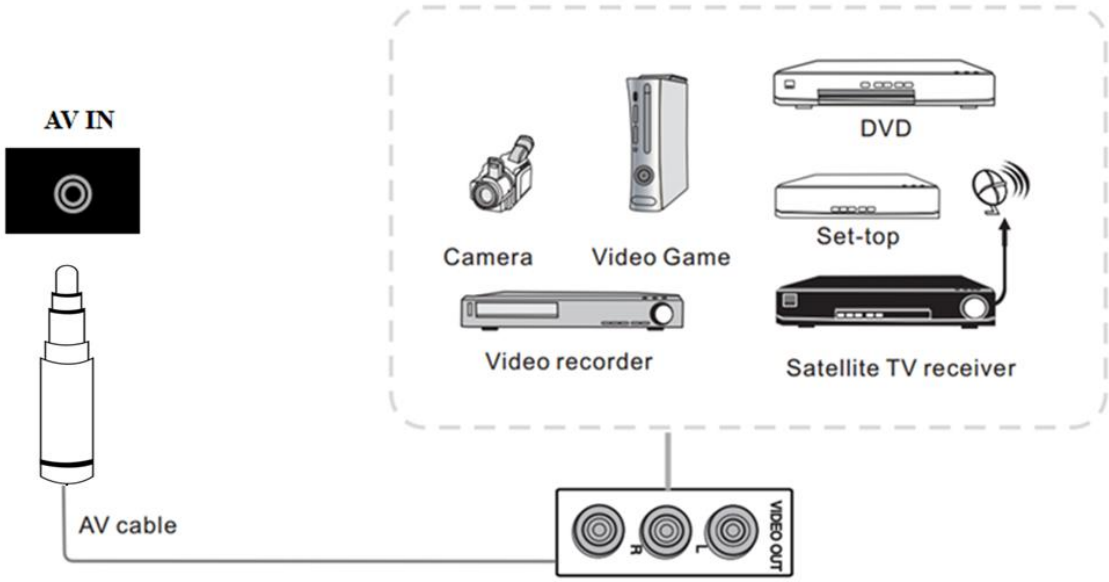


1) Connect a VGA cable (15 pin) between the VGA and external PC. Connect an earphone cable between the PC and audio at the same time.
2) Connect a USB cable between the4external PC and USB terminal.
3) Plug the POWER cord and switch it on from the rear panel.
4) Start up the external computer.
5) Press ⏻ to turn on the panel.
6) Select Signal source to VGA source according to the one you connected.

Note: The panel can connect with the external PC via HDMI.

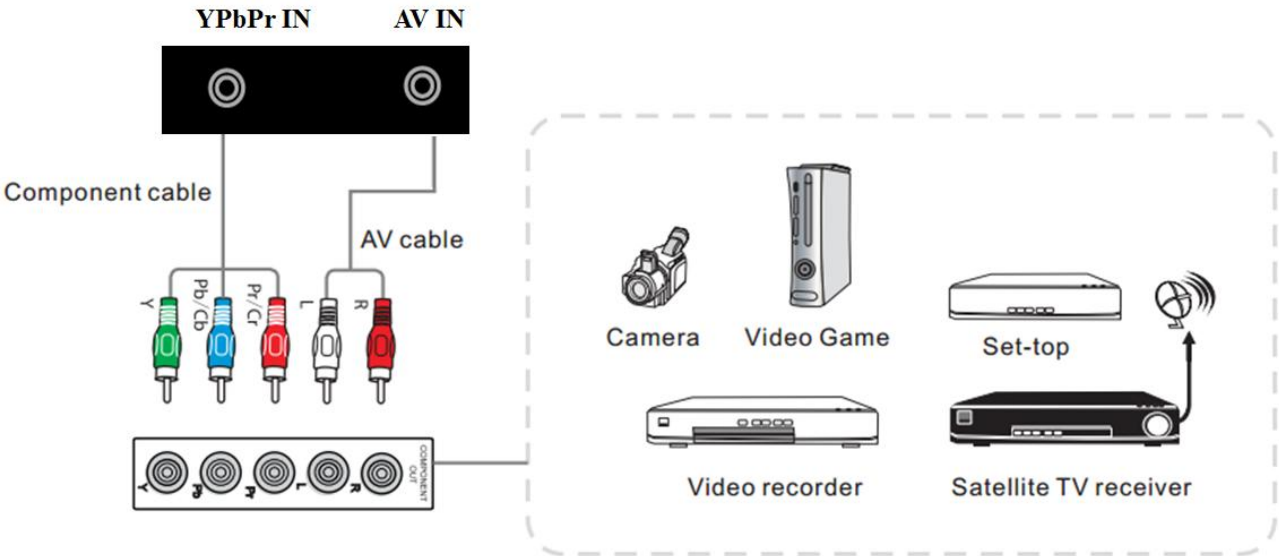
4.2 AV Connecting

- **AV IN**



1) Connect an AV cable with the device with AV-OUT (Yellow is Video, Red is Audio-R, White is Audio-L).
2) Plug the POWER cord and switch it on from the rear panel.
3) Press ⏻ to turn on the panel.
4) Select Signal source to AV IN source.

- **YPbPr**



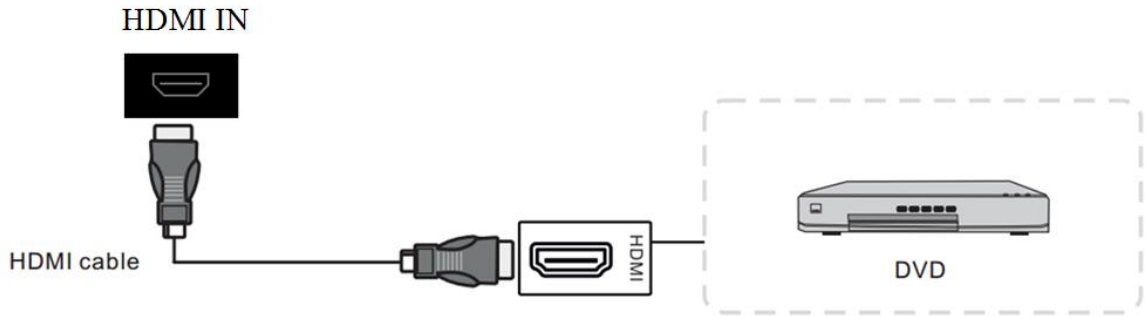
1) Connect a YPbPr cable with the device with YPbPr.

2) Plug the POWER cord and switch it on from the rear panel.

3) Press ⏻ to turn on the panel.

4) Select Signal source to YPbPr source.

- **Front HDMI/ HDMI 1/ HDMI 2**



1) Connect a HDMI cable with the device with HDMI.

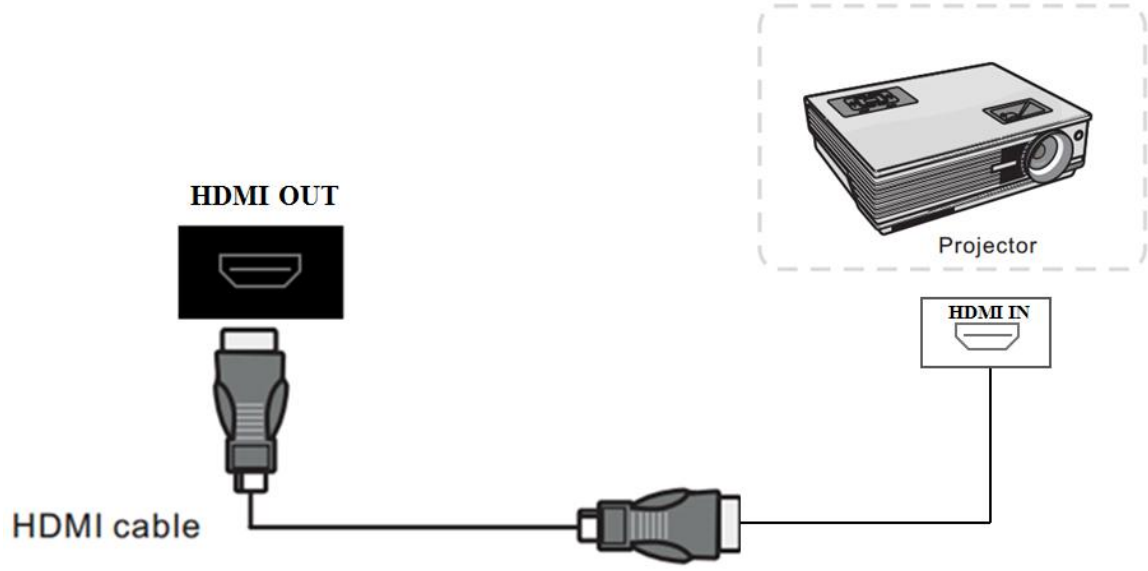
2) Plug the POWER cord and switch it on from the rear panel.

3) Press ⏻ to turn on the panel.

4) Select Signal source to HDMI source according to the one you connected.

4.3 Video-OUT

- **HDMI-out**

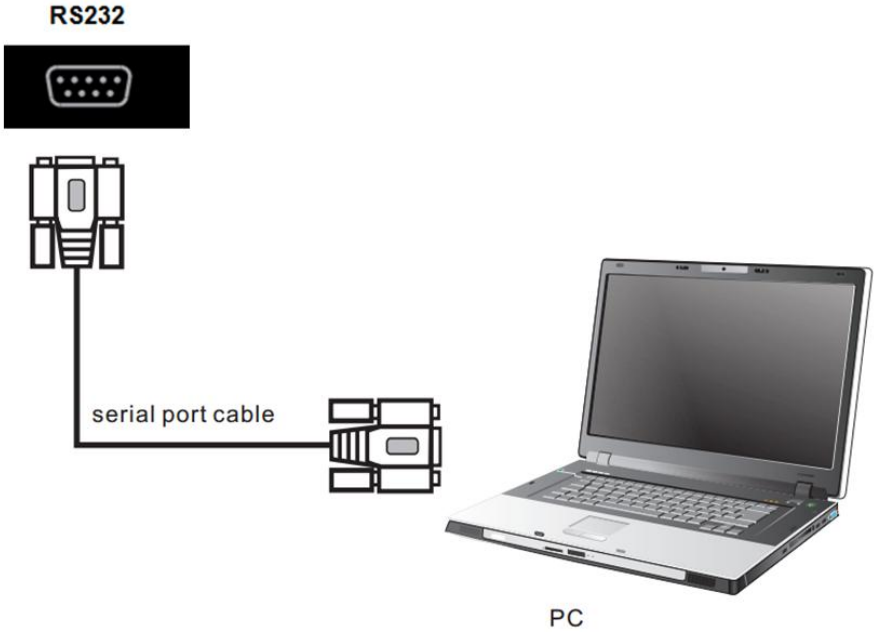


1) Connect a HDMI cable with the device with HDMI.

2) Plug the POWER cord and switch it on from the rear panel.

3) Press ⏻ to turn on the panel.

4.4 RS232

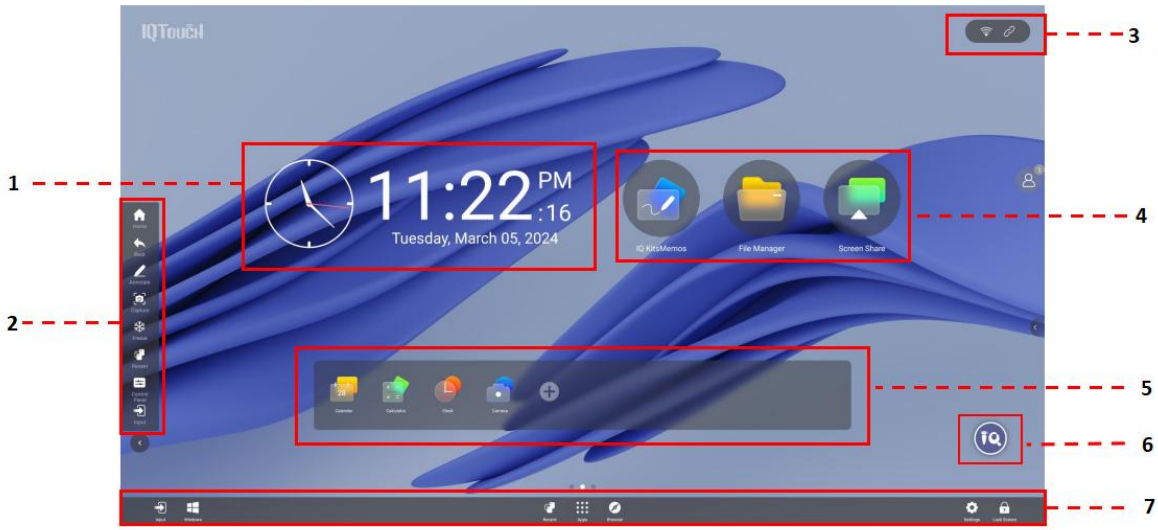


1) Connect a serial port cable with the device.
2) Plug the POWER cord and switch it on from the rear panel.
3) After connecting the central control system and unit, you can use some of the function such as power on/off or adjust the volume etc.

5. IQ OS

5.1 Android Home Page

Touch the screen to enter the Home page. See the picture below:



1	Time and date	5	Quick Access Toolbar
2	Sidebar	6	Floating Menu
3	Status Bar	7	Bottom Bar
4	Main APPs		

Status Bar

The upper right corner of the home page shows working status icons, including: Wi-Fi and hotspot.

Icons	Functions
	If the product is connected to Wi-Fi, the icon will be displayed. Tap the icon to enter the corresponding setting menu.

Icons	Functions
	This icon will be displayed when touch screen is connected to hotspot. Click the icon to enter its setting.

Main APPs

Icons	Functions
	Tap to enter the IQ KitsMemos software
	Tap to enter the files
	Tap to start screen sharing

Sidebar

The sidebars are divided into left sidebar and right sidebar. Click on the icon , floating on the left and right side of the screen to show the sidebar. The functions are Home page, Back, Annotation, Capture, Freeze, Control panel, and Input.

Home

Click icon to enter the main interface of Android system.

Back

Click icon to return or exit the current program.

Annotation

Click icon to open the annotation.

Click to choose the pen color.

Click to undo or forward the operation.

Click to open eraser mode.

Click to clean all the annotation.

Click to share scan QR code. You can scan code to save the files to your own mobile device.

Click to insert whiteboard.

Click to exit the annotation mode.

Capture

Click icon to take screen shot.

Freeze

Click icon to freeze the screen.

Recent

Click icon to enter [Recent] page.

Control panel

Click icon to display the notification panel as shown below. The Notification Center panel contains calendar, screen lock,energy save, screen shot, eye protection, spotlight, camera, curtain, timer, and customize.

(1) Calendar

Click icon in the notification panel to show the calendar interface that user can check time and mark the events.

(2) Screen Lock

Click icon. If the system is in lock screen status, the functions of touch,click, and remote control are all locked which cannot be used.

The unlock method is as follows:

- Password unlock: touch screen to input 2580 password, and then click OK to unlock.
- (The initial password is 2580, the user can enter the settings to change the password.)
- Remote unlock: Press F9 of the remote control to quickly unlock.
- Combination key unlock: Press the signal source key twice, then press the sound+ and the sound -.

Note: It is only possible to press sound+ and sound - under the signal source interface.

(3) Energy Saving

Click icon to enter the screen backlight status, touch the screen or use the button, energy save button of remote control to turn off energy saving.

(4) Eye Protection

Click icon to turn on or off the eye protection function.

(5) Spotlight

Click icon to highlight the content with spotlight function.

(6) Timer

Click icon for countdown.

(7) Curtain

Click icon to open the curtain function and use the existing background template to block the content on the screen.

(8) Split Screen

Click icon to enter split screen setting.

(9) Record Screen

Click icon to record the screen of current content for meeting recap playback.

(10) Screen shot

Click icon to achieve full-screen screenshot or free screenshot.

(11) Vote

Click icon to open the multi-person voting function .

(12) Camera

Click icon to open the camera function.

(13) Sound and Brightness Adjustment

Sound adjustment：Move sound progress

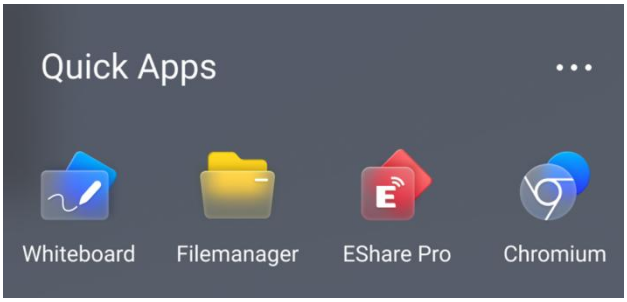
to adjust the volume.

Brightness adjustment：Move backlight progress

to adjust the brightness.

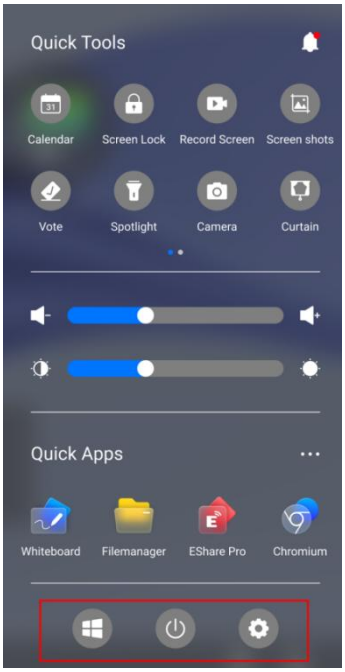
(14) Quick Apps

Click the icon to enter the corresponding application



Click to enter more applications.

(15) Bottom Bar



OPS：Click icon，user can switch directly to the built-in computer channel.

Shut down：Click icon，the display powers off.

Setting：Click icon to enter the system settings interface.

Input

Click icon to show the source channel list, and the user can switch channel.

Quick Access Toolbar

Click the icon to enter the corresponding application.

Click to enter more applications, up to 10 apps can be added.

Floating Menu

1. The icon floating on the desktop can be moved freely and displayed in any interface.

2. Add: Click the icon it will shows the pop-up menu.

Bottom Bar

The bottom bar is displayed by default on the homepage. As shown below:

Icons	Functions
	Tap to show all input channels.
	Tap to switch to OPS.
	Tap to enter the Recent page.
	Tap to enter the [Applications] page
	Tap to enter the Chrome application.
	Tap to enter the settings application.
	Tap to lock screen.

5.2 Recent

Right slide the homepage to enter the Recent page. It shows the currently running applications and screenshots for quick access.

Recent Applications: Display the currently running Apps; Tap the preview image to enter the corresponding App; Tap 【 】 to close the App, and tap 【Clear all】 to close all Apps;

Recent Screenshots: It shows the screenshots with up to 10 images. Tap【 】to delete the screenshot, and tap 【Clear all】 to clear all screenshots.

5.3 Applications

The Home page slides left to show all applications. Users can view or open the APK application installed by themselves in this interface, as shown in the figure.

5.3.1 Application Program

Name	Icon	Functions
Chrome		Tap this icon to enter the Chrome application.
Clock		Tap this icon to enter the clock application.
IQ KitsMemos		Tap this icon to enter the IQ KitsMemos software.
IQClick		Tap this icon to enter the IQClick application.
WPS Office		Tap this icon to enter the WPS Office application.
IQ SmartPen		Tap this icon to enter the IQ SmartPen application.
Settings		Tap this icon to enter the settings application.

IQ MDM		Tap this icon to enter the IQ MDM software.
Vote		Tap this icon to enter the vote application.
Calculator		Tap this icon to enter the calculator application.
Calendar		Tap this icon to enter the calendar application.
Screen Record		Tap this icon to access the Screen Record application.
iMirror		Tap this icon to enter the iMirror application.
Eshare Pro		Tap this icon to enter the Eshare Pro application.
Android TV Keyboard		Tap this icon to enter the Android TV Keyboard application.
File Management		Tap this icon to open the File Manager and you can explore all internal and external files on the screen.
Visualizer		Tap this icon to enter the visualizer application.

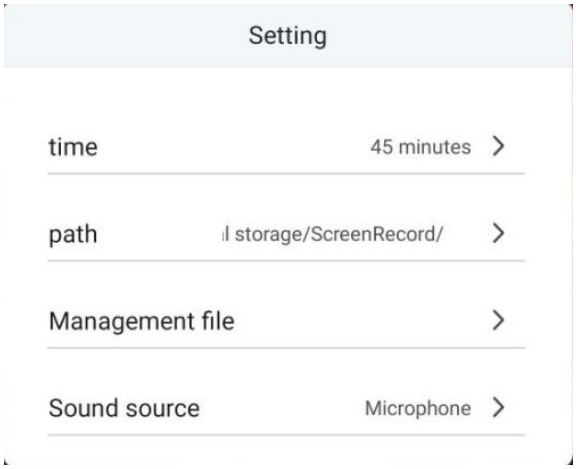
● Screen Record

Tap the “ ” icon on the Application program to enter “Screen Record”.

Tap to start screen recording, tap again to stop the screen recording, tap to display the

frame as a sidebar, tap to exit screen recording application.

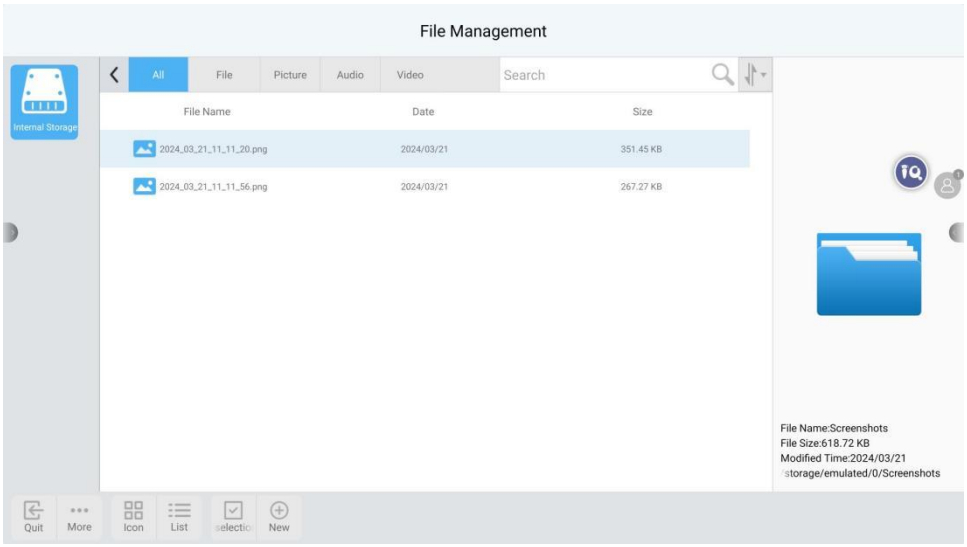
Tap to enter the recording settings, including recording time, saving path, management file, and sound source recording.



- **Screen Shot**

Click on the icon in the Control Panel, or on the Floating Menu to save the current image as a picture.

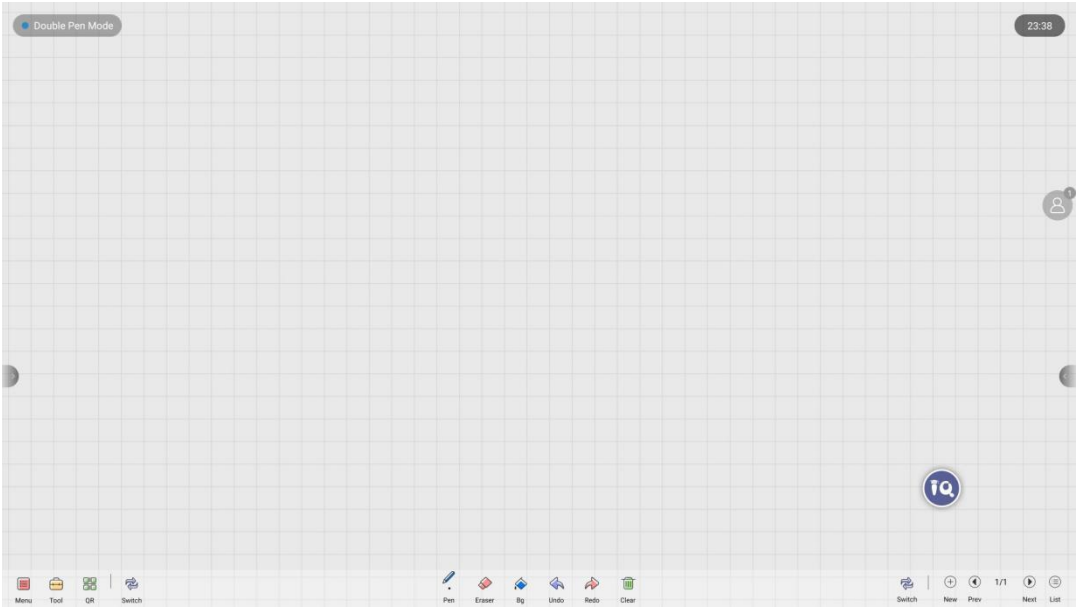
On the Home page, tap **File Management** icon, select "**Internal storage > Screenshots > image**" folder to view or get screenshots.



5.4 Whiteboard

5.4.1 Interface Display

Click the whiteboard icon in the main interface to start the whiteboard software.



1. The whiteboard is selected by default and can be written directly.

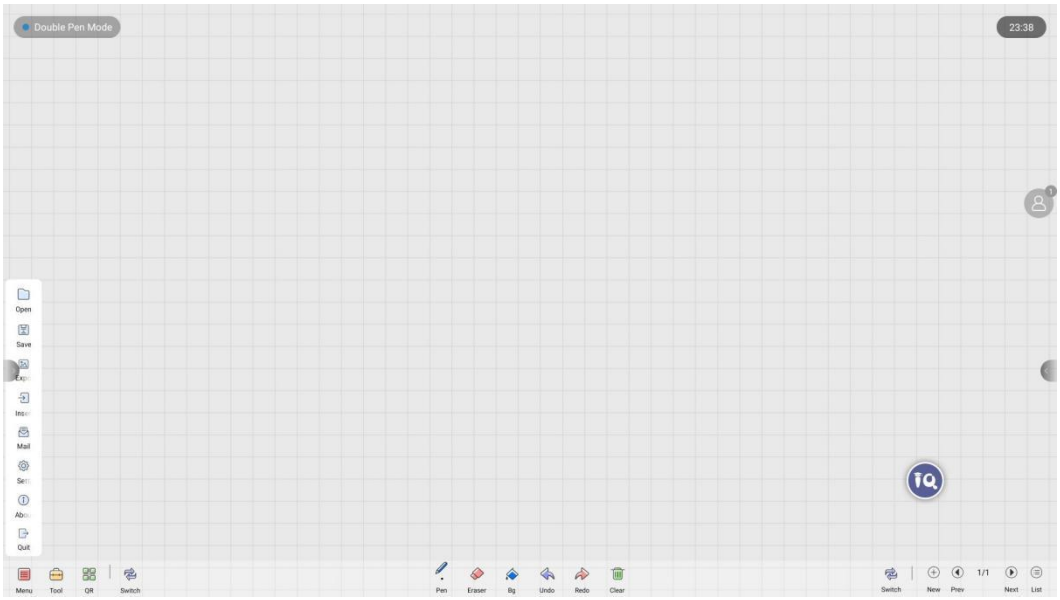
2. Support single point mode and multi-point mode, multi-point support up to 20 points.

3. Single point mode, two fingers or more to perform zoom roaming function. It supports single stroke mode and double stroke mode, and the double pen mode is for stroke writing.

4. Support small tools, insert pictures and shapes, draw lines and arcs. You can also use some of the system's small tools, such as camera, calendar, calculator, etc.

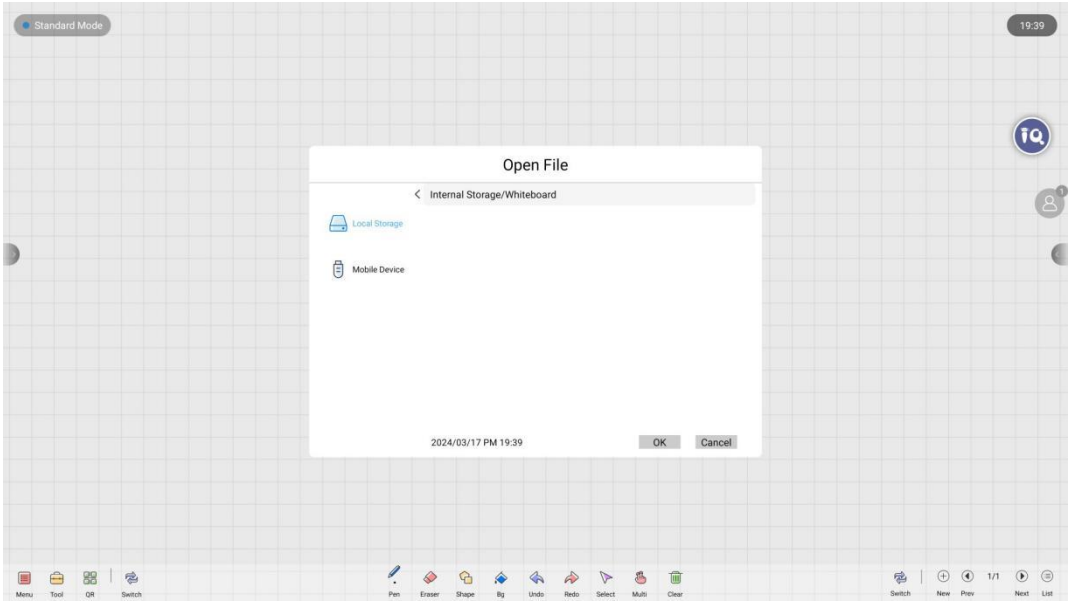
5.4.2 Menu

Click (menu icon) in the lower left corner of the interface, pop up display and display the lower content menu.

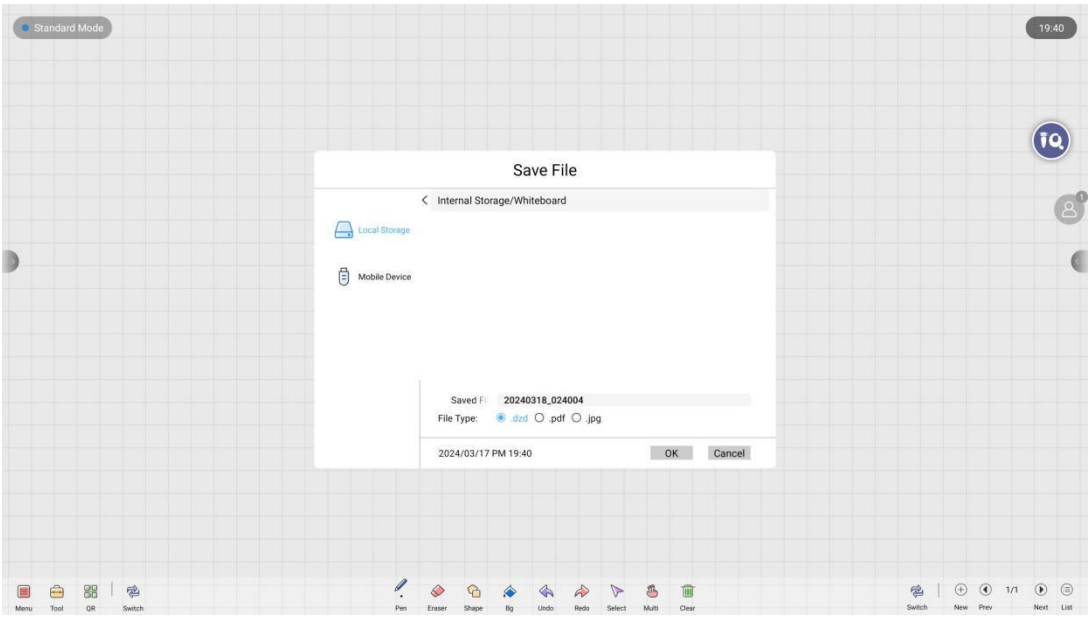


Content menu icon function operation instructions:

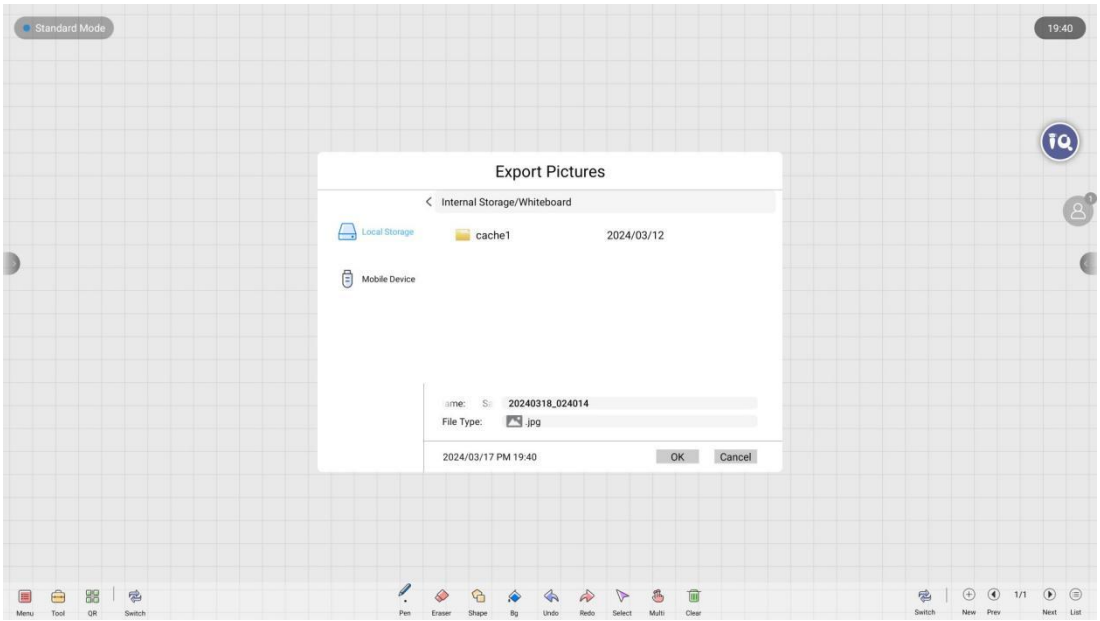
(1) Open the file：Click the icon to open and save the file under the whiteboard file directory (the default path directory is built-in storage / whiteboard), click the file to open directly, and you can edit and save again.



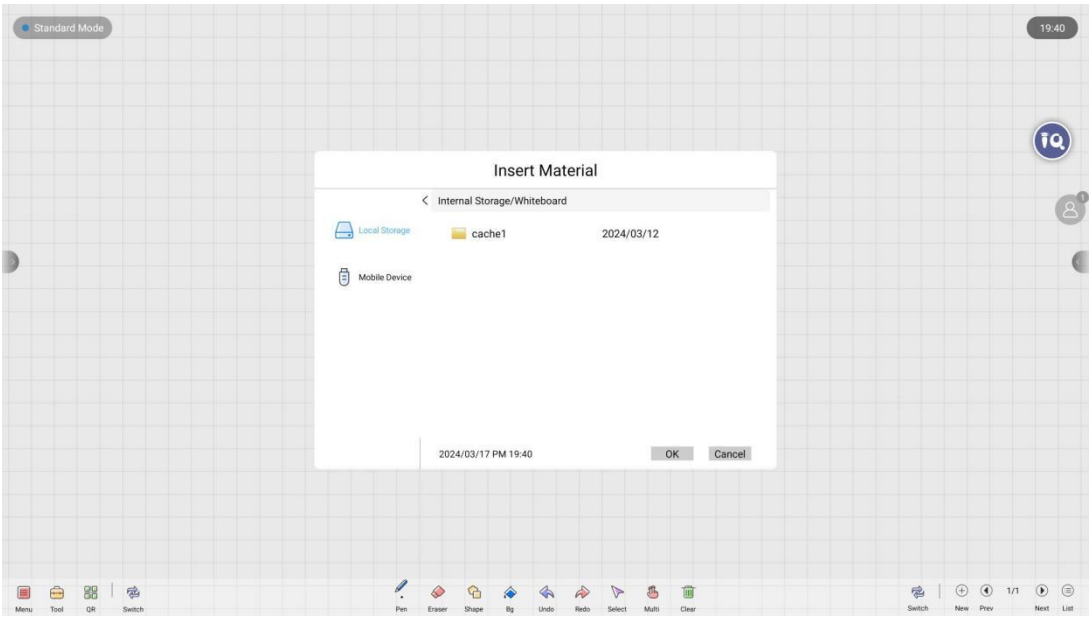
(2) Save the file: Click the icon to save the current writing content. The default time is named and saved. The user can customize the name to save. The user can select the built-in storage or U-disk to save the whiteboard file.



(3) Export: Click the icon to export the content written on the whiteboard in the image format *. Jpg. The storage location of the exported image can be selected as built-in storage or USB flash disk.

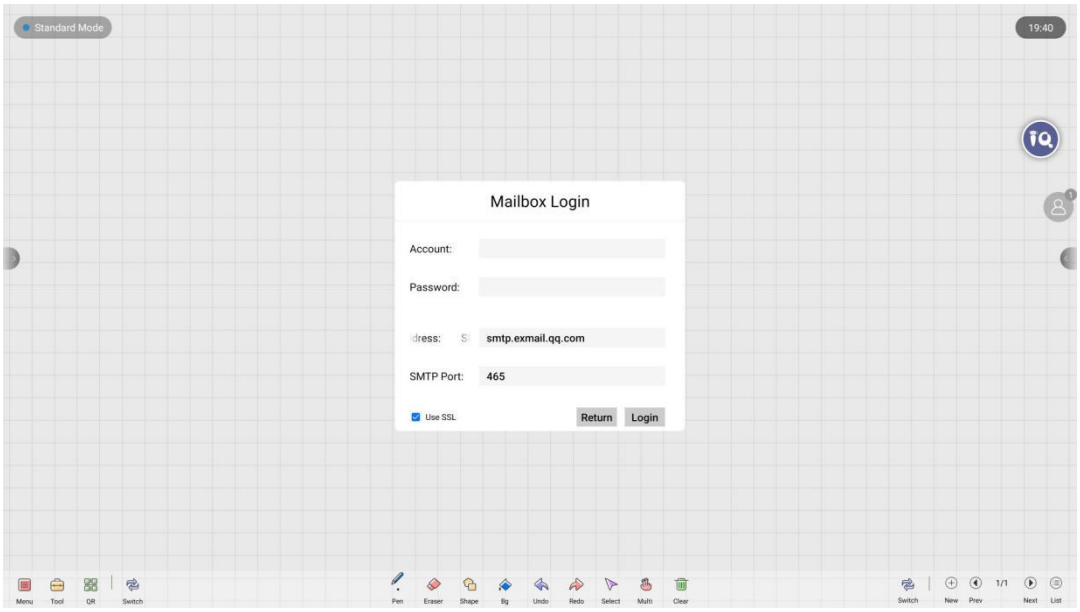


(4) Insert: Click the icon to open the local storage or U disk image file, the user can select the image to insert on the whiteboard, and the picture can be marked and written.



(5) Email: Click the icon. When using the email sending function for the first time, you need to set the email sender's email information in the email login interface, as shown in the figure:

a. Use Tencent enterprise email, enter the account number and password, and click login.



b. After successful login, the user enters the email address of the recipient, and then click send to record the contents on the whiteboard.

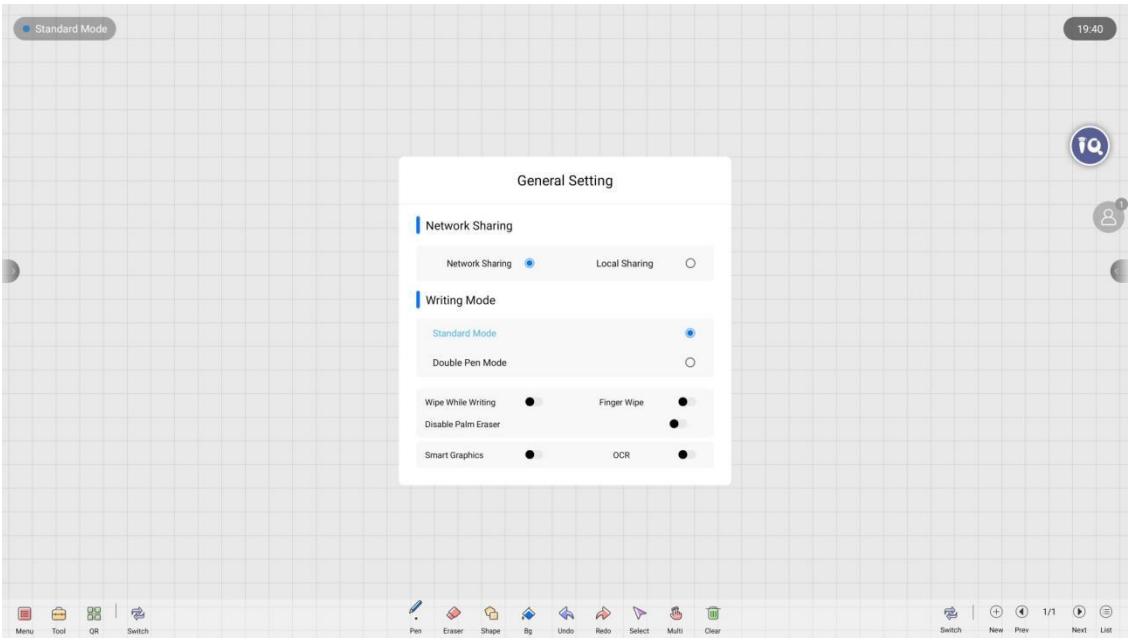
Pdf format file is sent to the recipient's mailbox, and click settings to modify and replace the current account number.

(6) Click the settings Icon to enter the network sharing settings and writing mode settings.

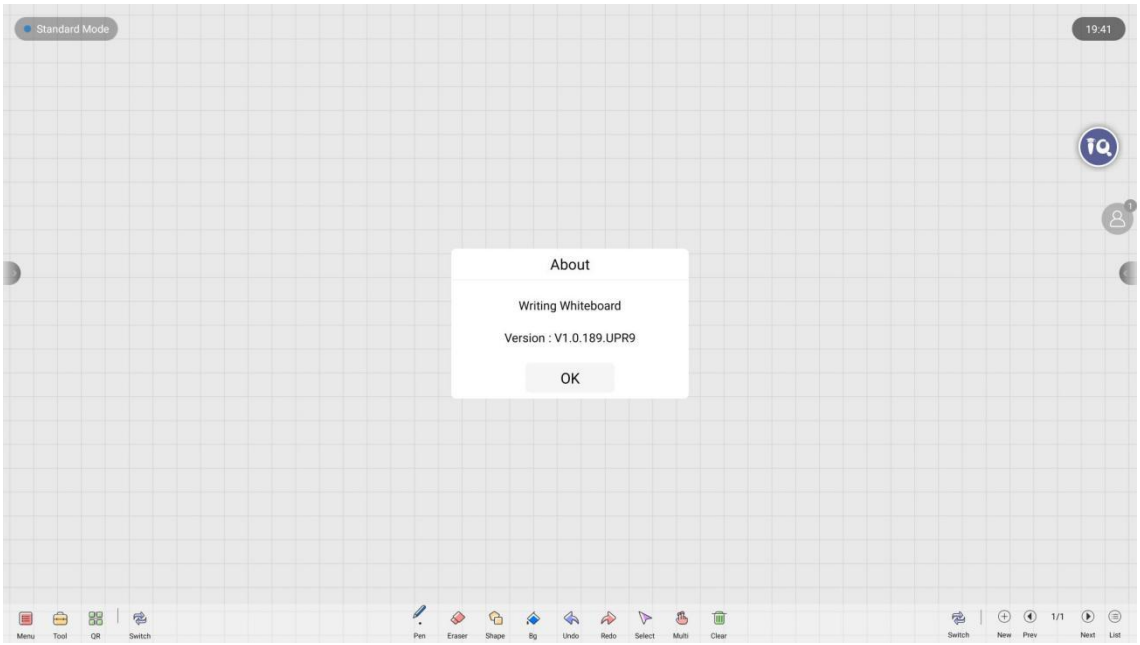
a. Network sharing settings are divided into network sharing and local sharing functions.

b. The writing mode is divided into standard mode (single pen mode) and double pen mode.

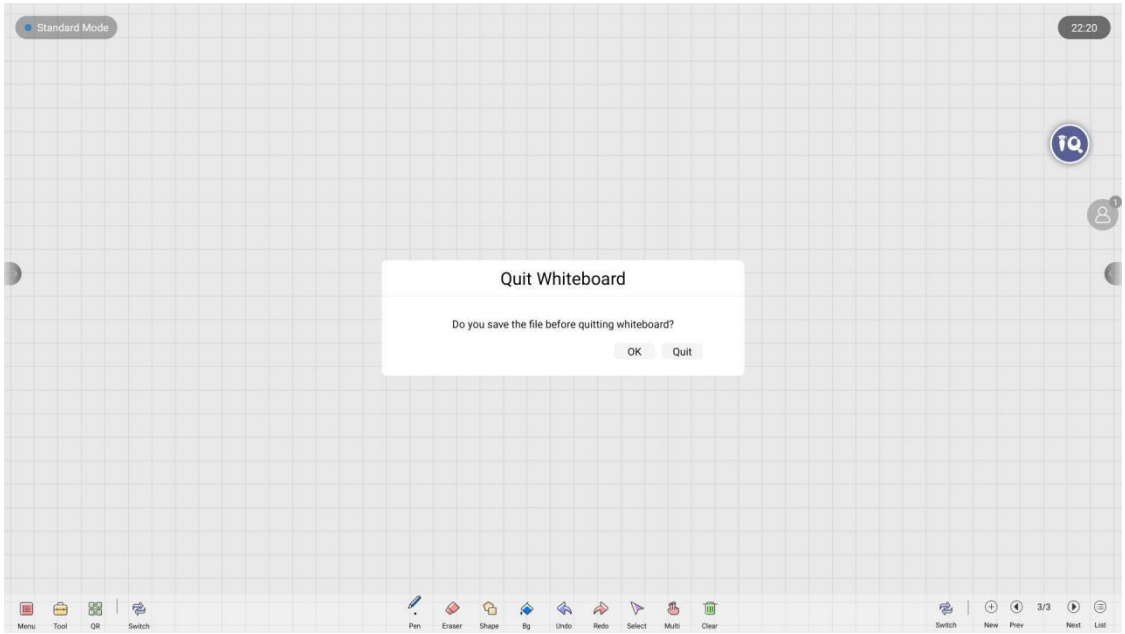
c. Other options are side write side wipe and finger wipe, palm eraser, smart graphics and optical character recognition (OCR).



(7) About: Click the icon to view version information.

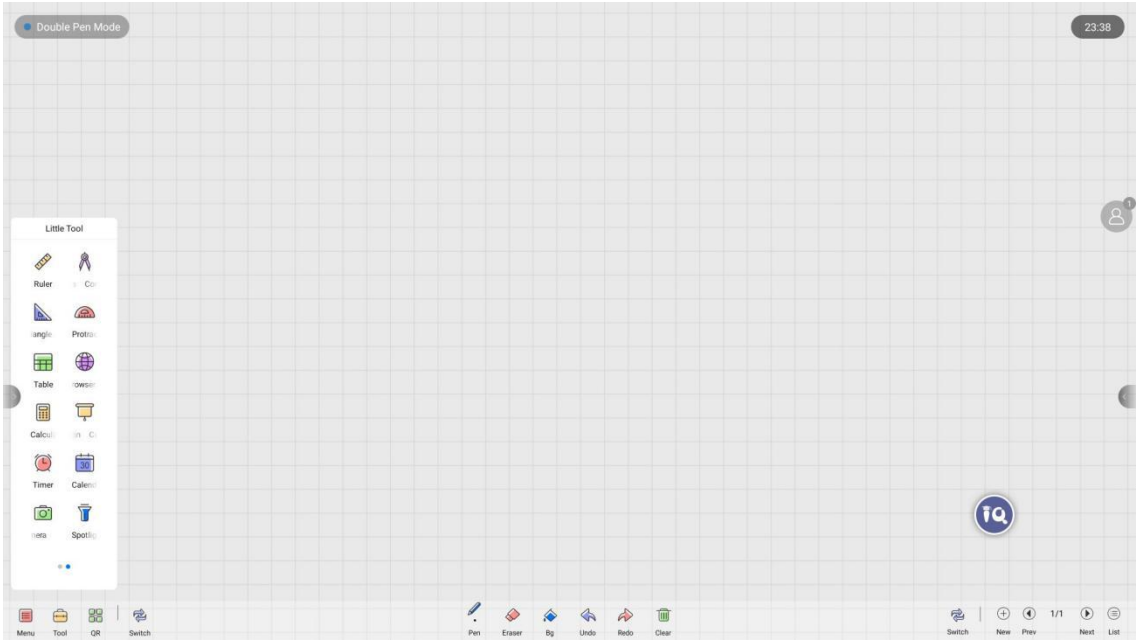


(8) Exit: Click the icon to exit the whiteboard when there is content on the whiteboard. A prompt will pop up: the whiteboard has not been saved. Do you want to save the whiteboard and exit the whiteboard. According to whether to operate the function or not; if the whiteboard has no content, click exit whiteboard.

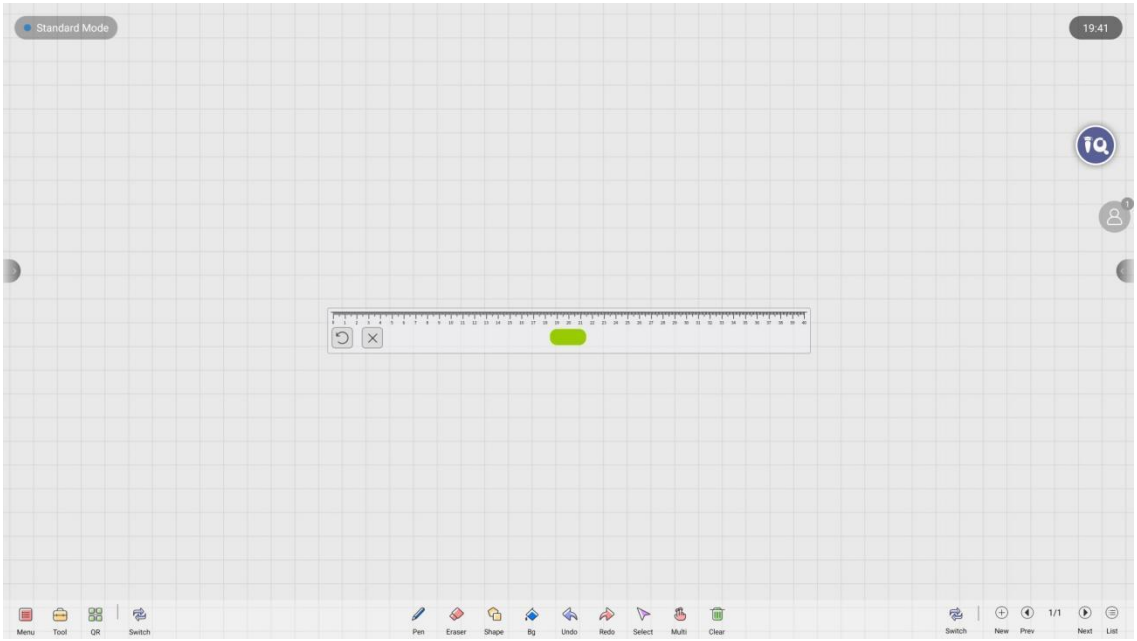


5.4.3 Aid Tools

The system has its own ruler, compass, and can integrate with the system's calendar, camera, calculator, timer, spotlight, and other gadgets.

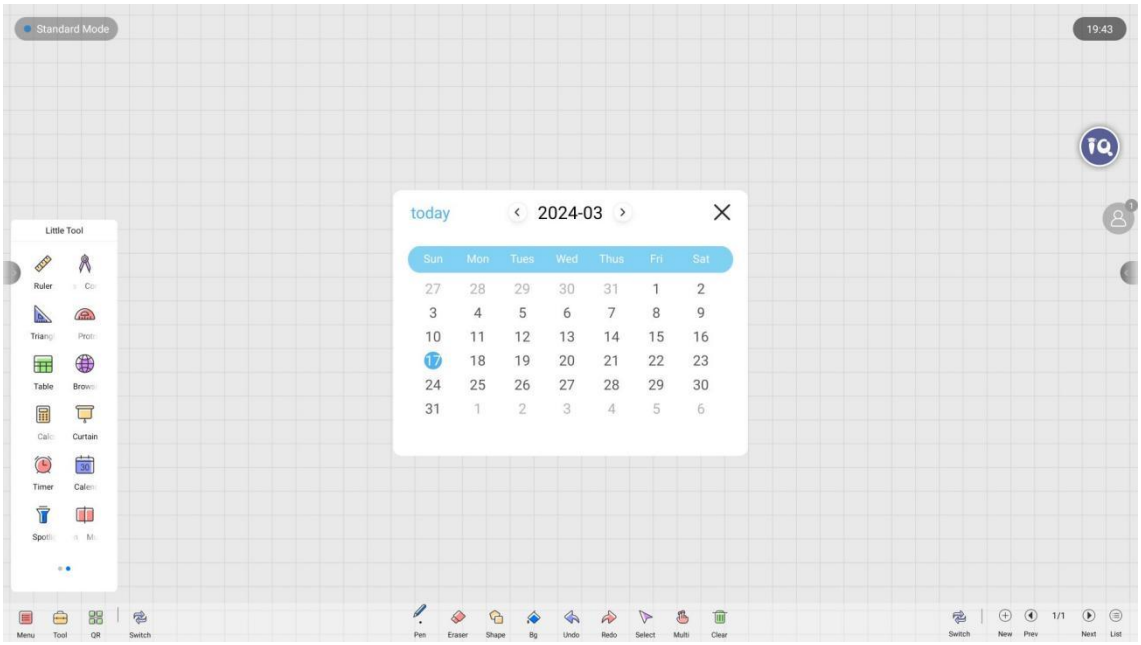


When the ruler is selected, the ruler tool appears on the screen, which can draw lines and mark the scale of lines.



When you select a compass, you can draw circles or arcs on the screen.

When selecting the calendar camera and other gadgets, the whiteboard application calls the application directly.

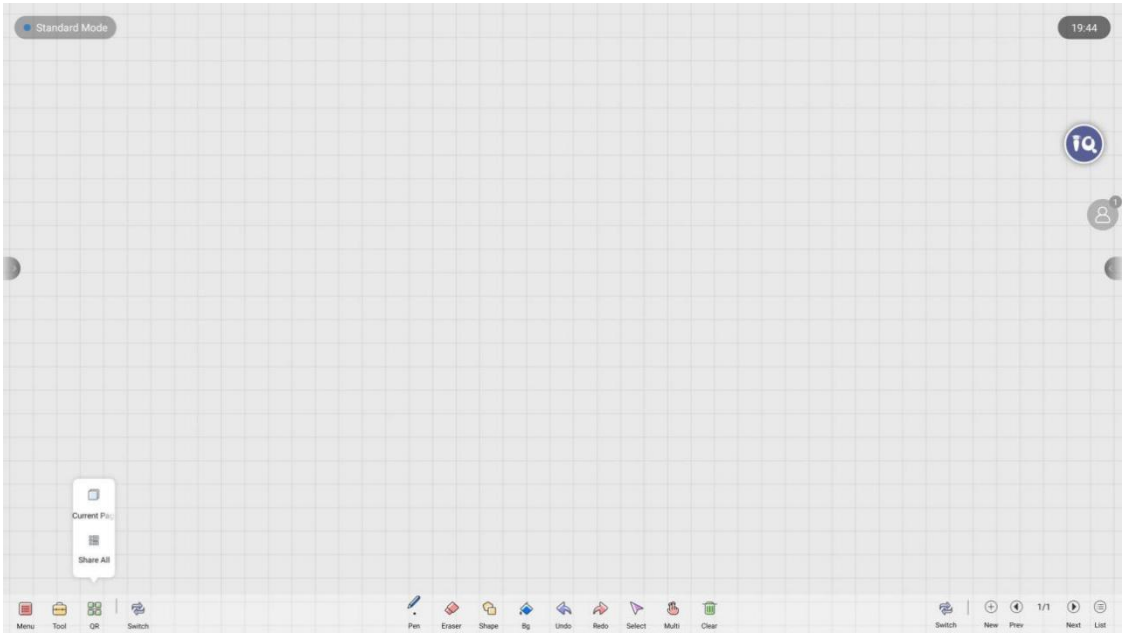


5.4.4 Scan Code Sharing

Code scanning and sharing: Click the icon and select the sharing type. When the network is connected, a two-dimensional code window can be generated, and the current conference record can be swept away through the Wechat scan function; if prompted, return to the home page,

click to enter the system settings to connect to the network, and scan the code again after the connection is successful.

QR code sharing is divided into current page sharing and all sharing.



After the QR code is generated, the display is shown in the following figure. Click the lock icon to start the QR code lock mode, and the password is displayed next to it. After scanning the QR code, you must input the password before you can view the file.

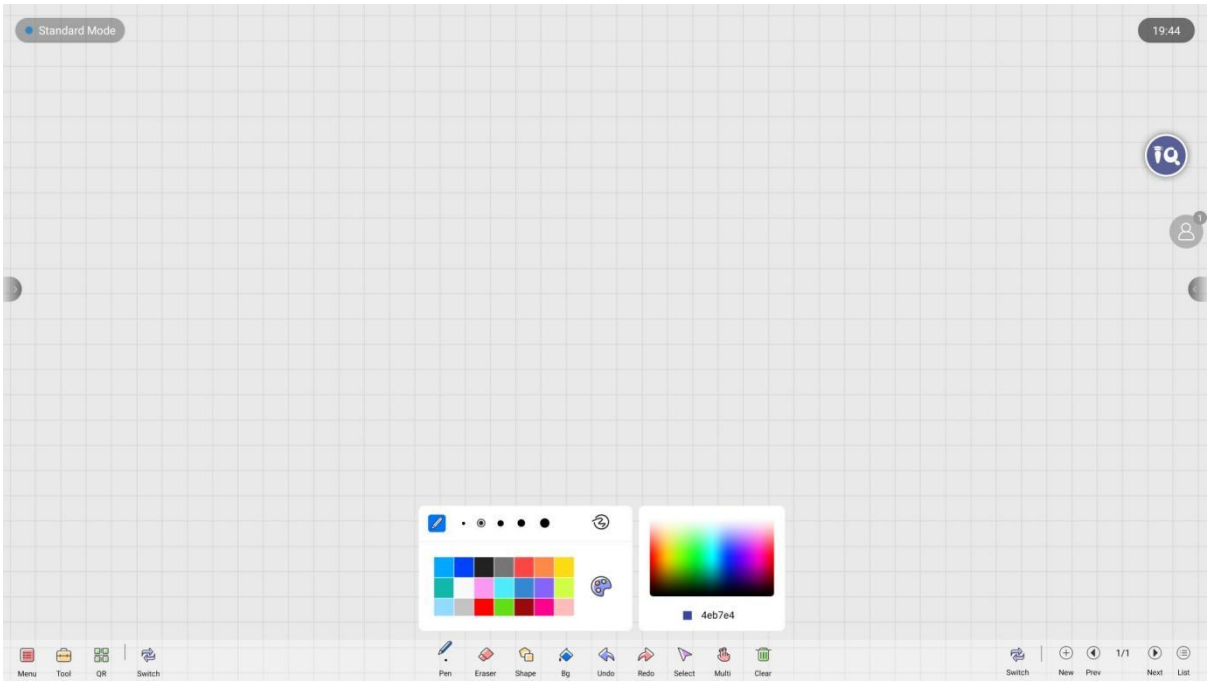
5.4.5 Common Function

Brush tools

(1) Click the icon to call up the brush tools menu.

(2) Change brush thickness and color.

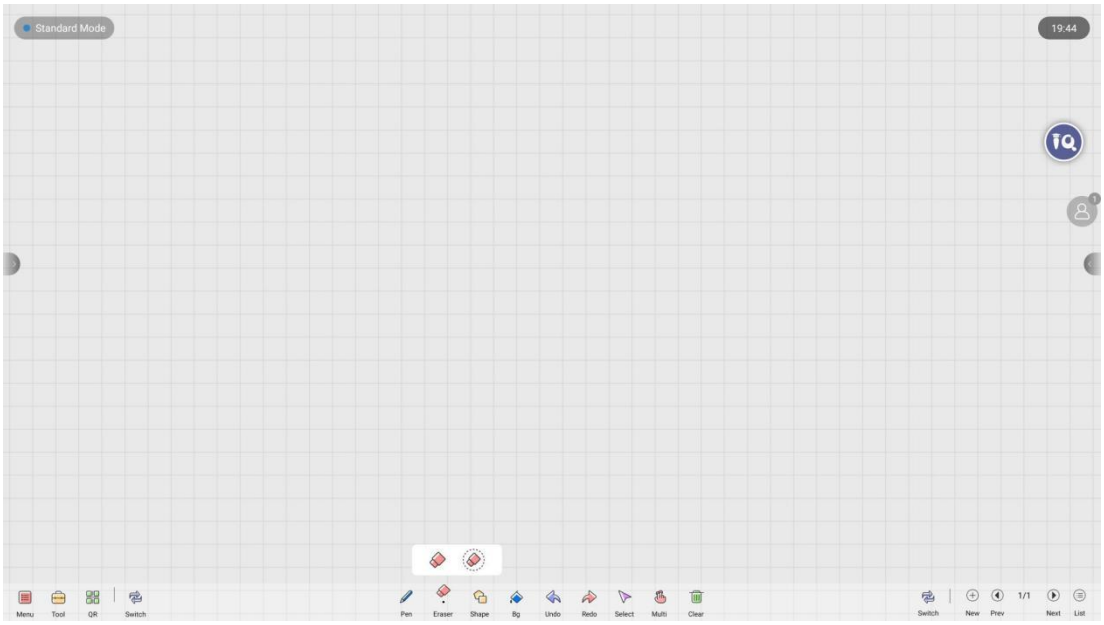
Click the dot icon above to modify the stroke thickness, click the color box to select the brush color, and click the custom icon to expand the color palette to customize the brush color.



Eraser

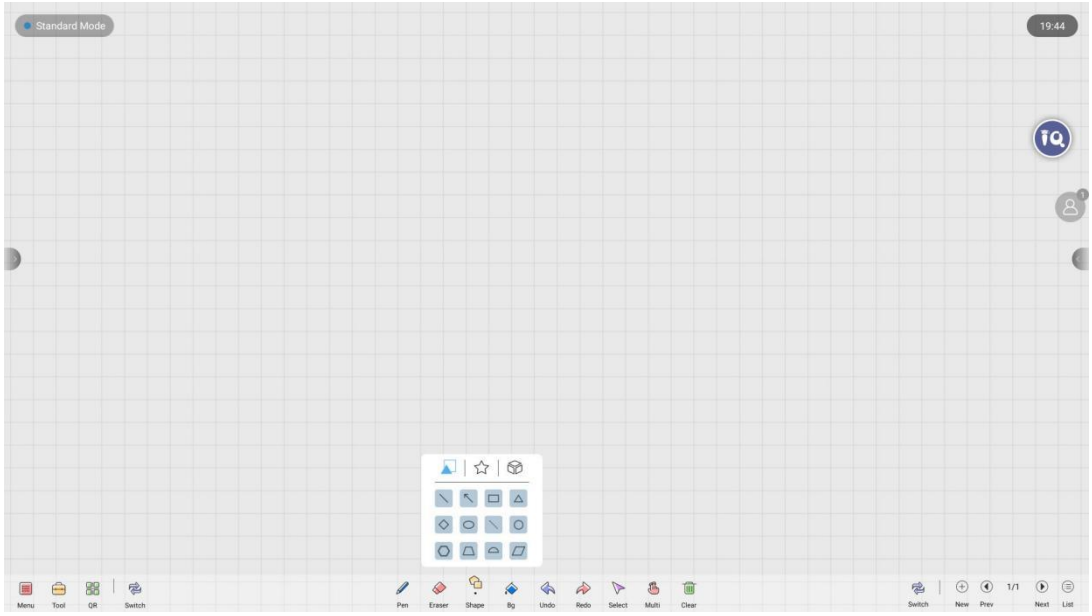
(1) Click wipe: Click the icon to erase the written content;

(2) Circle erase: Click the icon to erase the handwriting in the area within the circle.

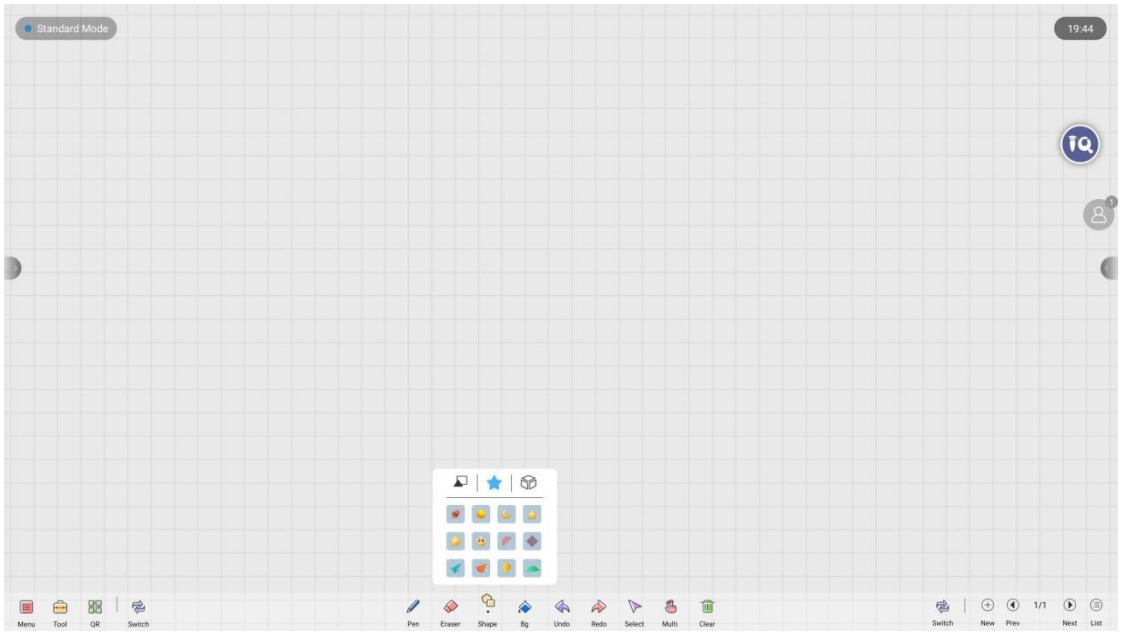


Shape

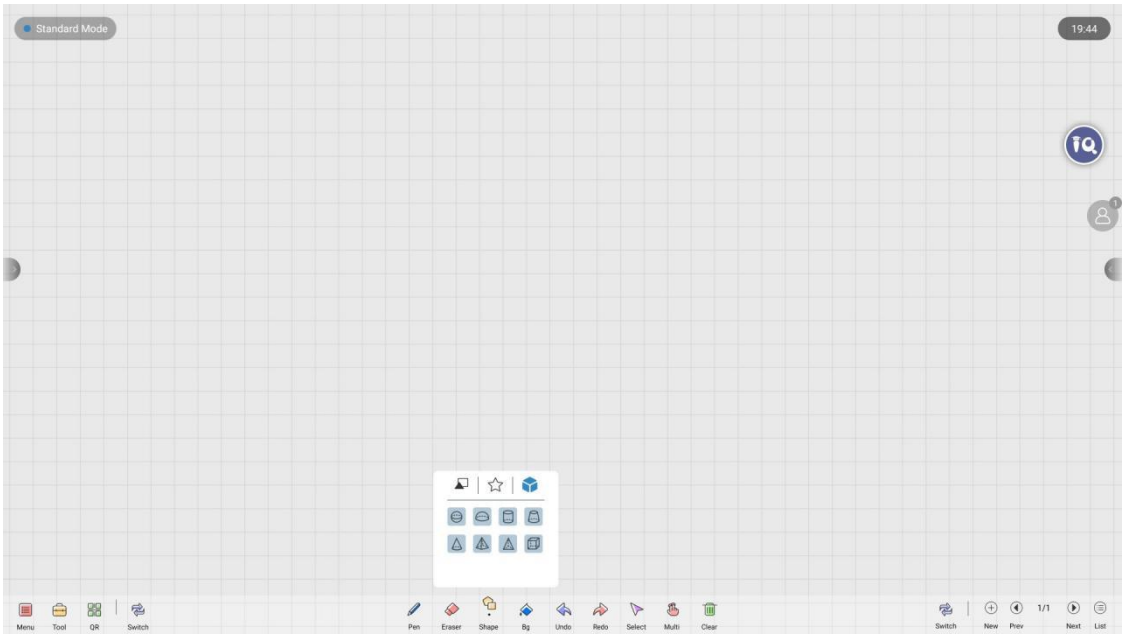
Click to , pop up the graphic and image selection box. When the selected graph is drawn on the screen, it will be displayed as the corresponding figure.



Click on the graphic to insert the clicked graphic onto the screen.



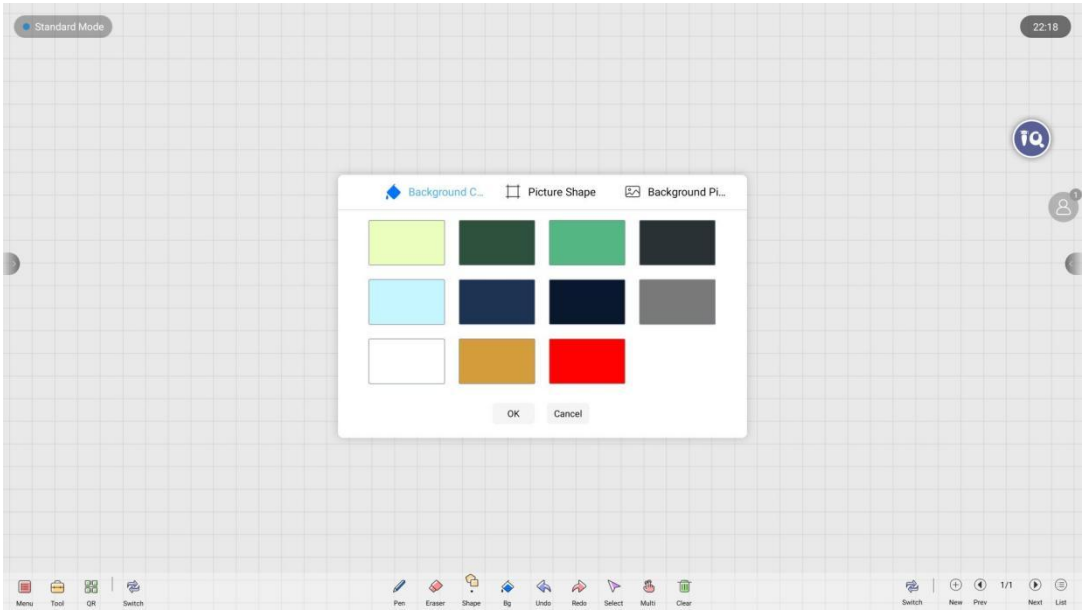
Click on the emoji to insert the clicked emoji onto the screen.



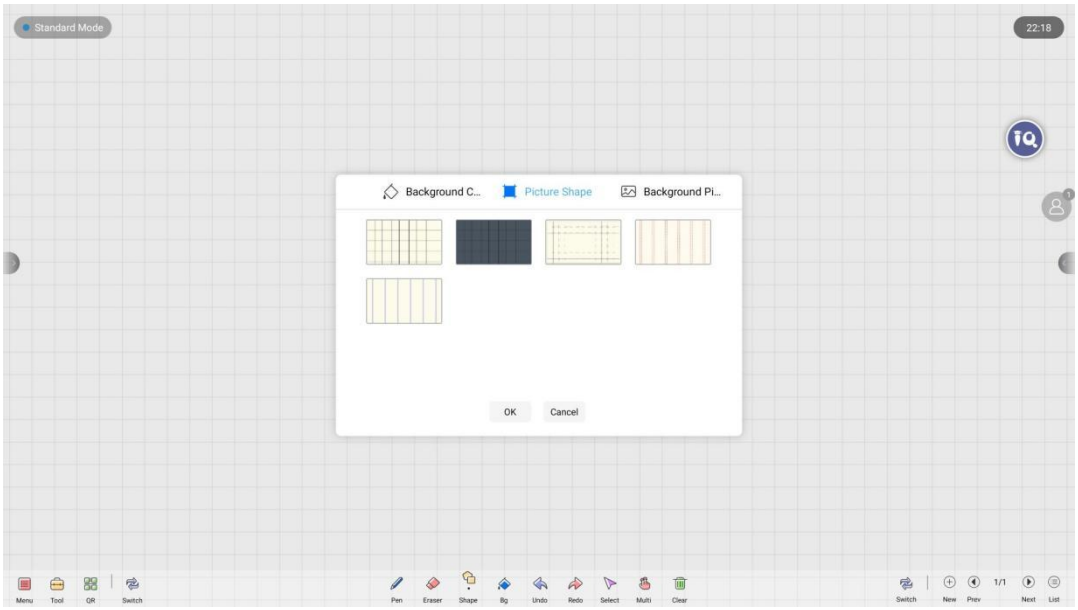
Click on the three-dimensional shape to insert the clicked three-dimensional shape onto the screen.

Background

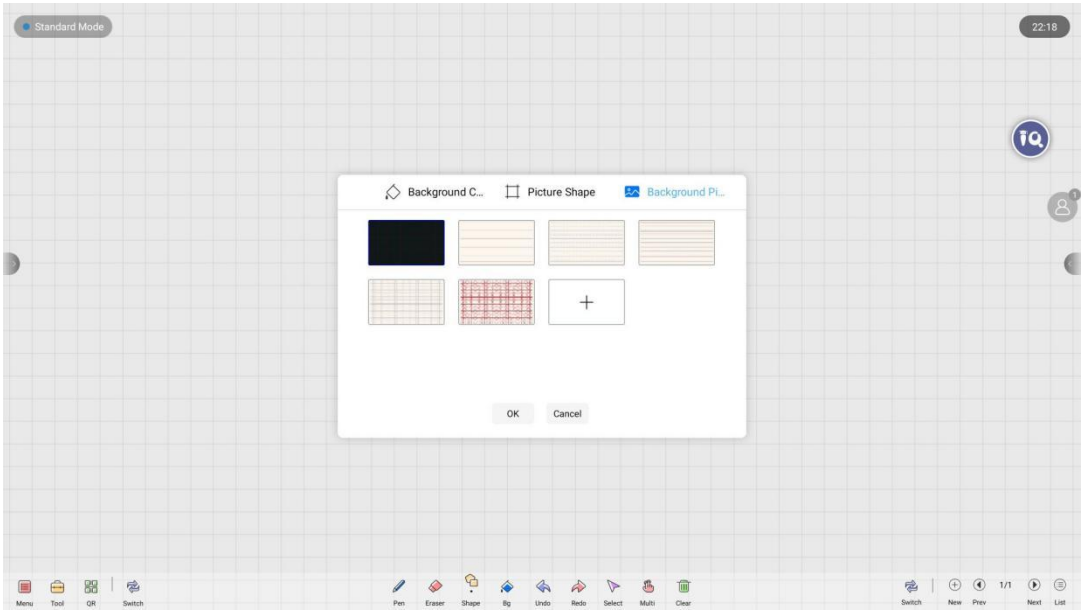
(1) Click to change the background color of whiteboard.



(2) Picture shape



(3) Background image



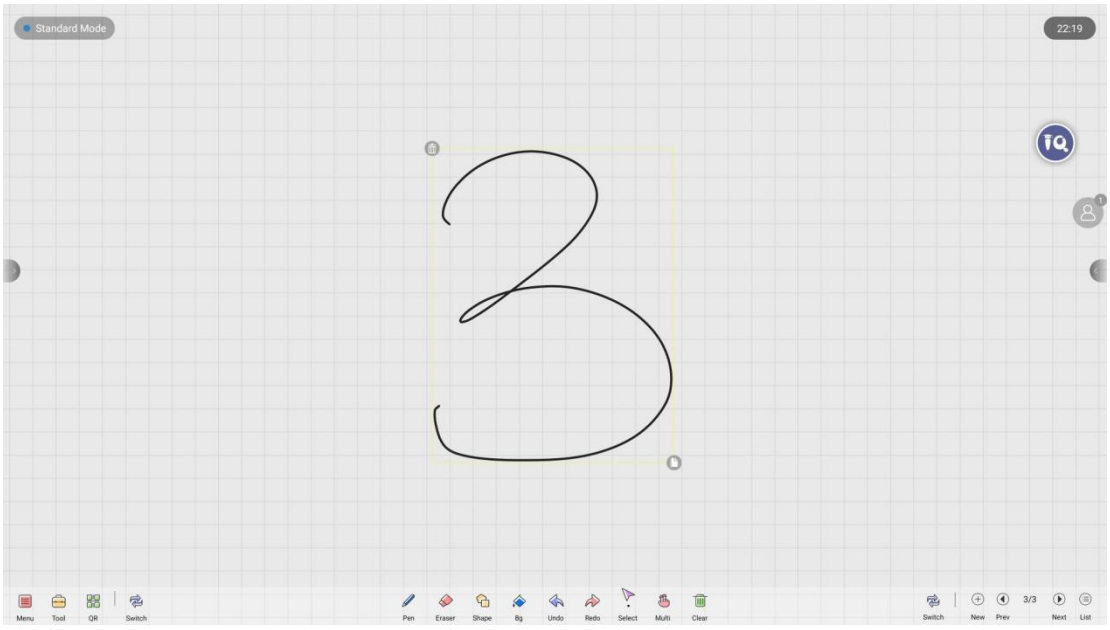
Revocation and restoration

(1) Undo: icon to undo the previous operation. At most 50 steps can be undone at a time;

(2) Restore: Click the icon to redo the operation that has been revoked. The maximum recovery steps are 50 steps at a time.

Select function

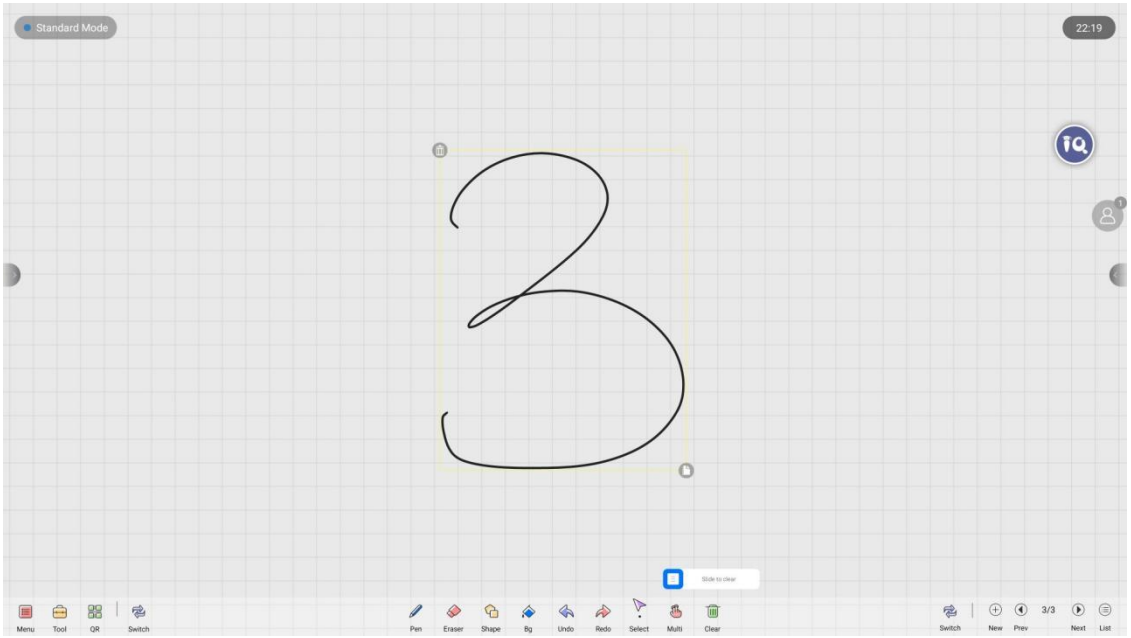
Click to select the selection function, and the interface switches from writing mode to selection mode. The handwriting and shape in the interface can be drawn, and then the functions of moving, deleting, copying and pasting can be realized for the inserted pictures.



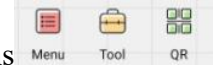
Slide screen cleaning function

Click the icon to call up the slider

, and manually slide the icon to the right to clear the writing content on the current screen.



Left and right switching function

Click the icon to switch the left and right positions of more function icons, code scanning and switching function icons 

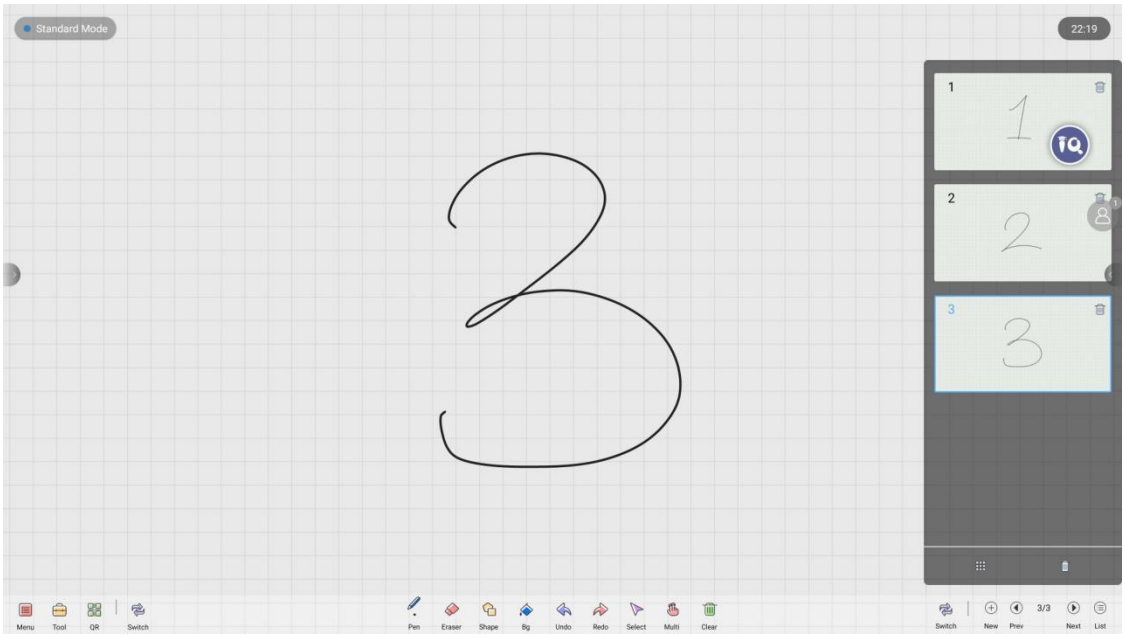
with the function icons on the upper and lower

pages, page preview function icons

and page adding function icons.

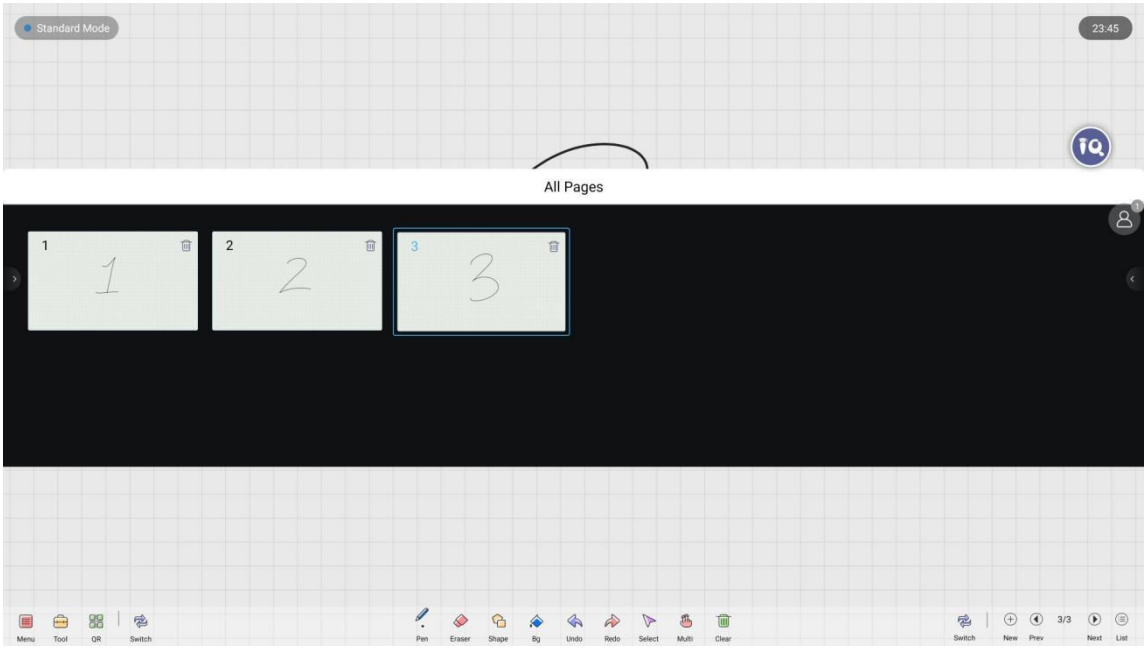
Page preview

(1) Open the page preview pop-up window:



(2) Add page: Click the icon to add a page.

(3) Delete page: In the open page preview window, click the delete button in the upper right corner of the page thumbnail to delete the page or click at the bottom of the page preview window to delete all pages. Click to enter all page display mode.



Delete page or delete at the bottom of page preview window, press to delete all pages. Click icon to enter all page display mode.

（4）Page turning function: Click the left and right page turning button and icon to realize page turning effect. In the page preview window, if the preview page exceeds the Limited Preview range, slide up and down quickly；

5.5 System Settings

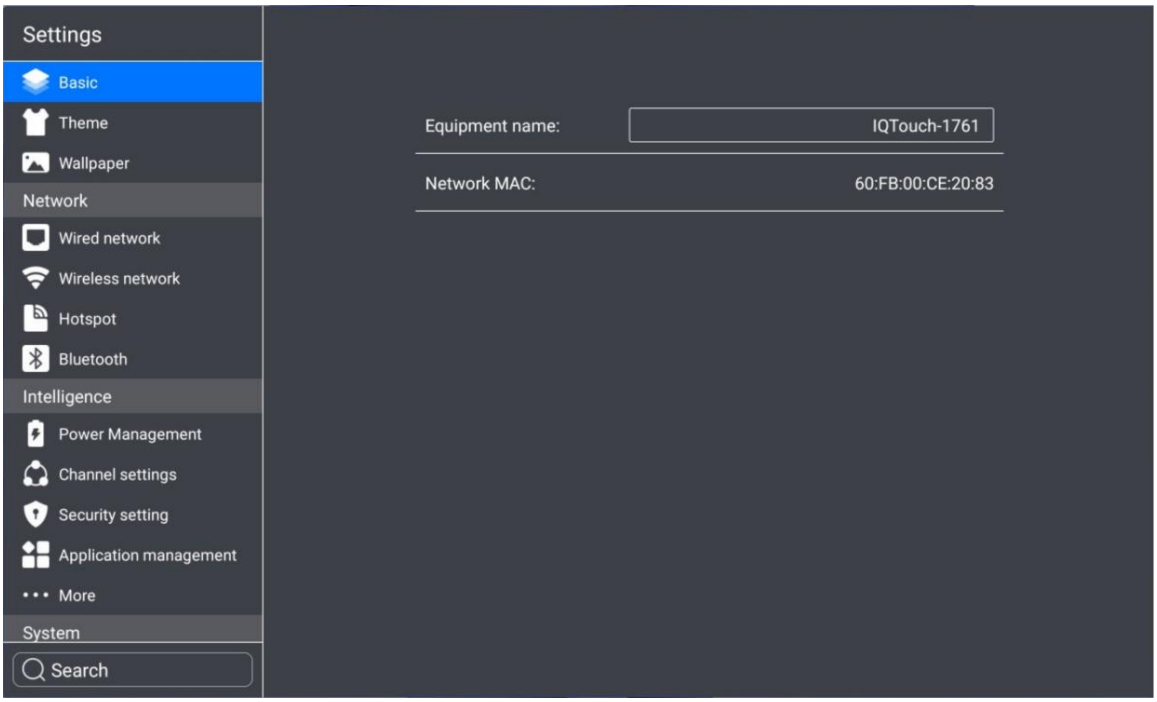
Click setting icon on home page to enter Android setting interface.

5.5.1 Individualization

Basic

You can adjust the system's sound and brightness, change the system theme wallpaper, modify the

device name and view the system application on basic settings interface.

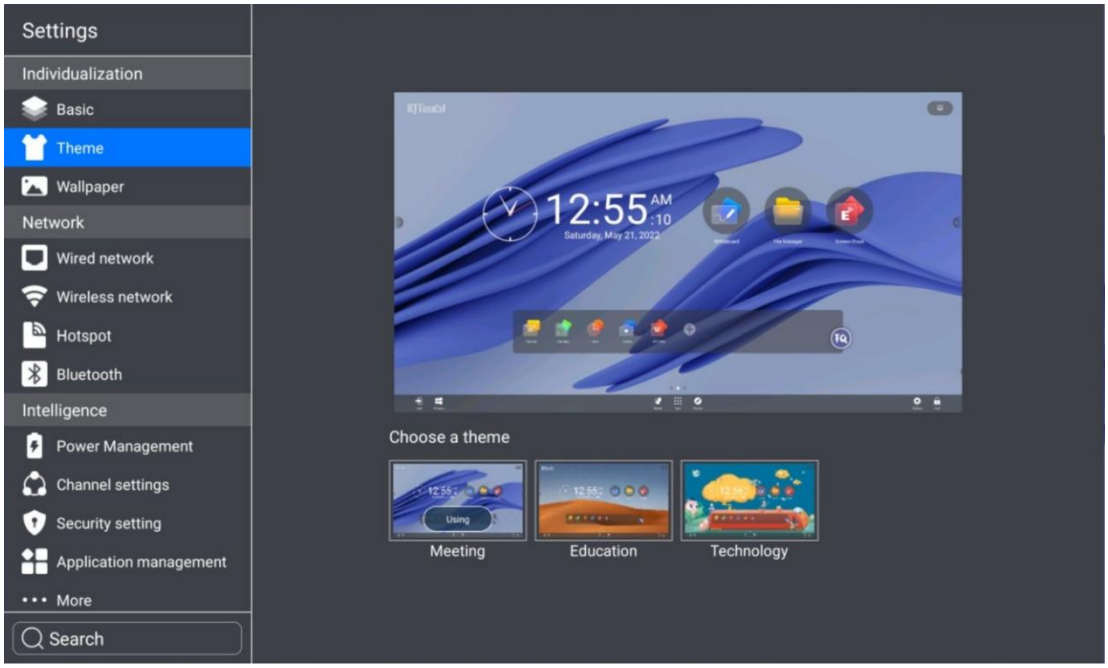


Equipment Name : Users can modify the name of the interactive flat panel display.

Network MAC: Display the MAC address of the currently connected network.

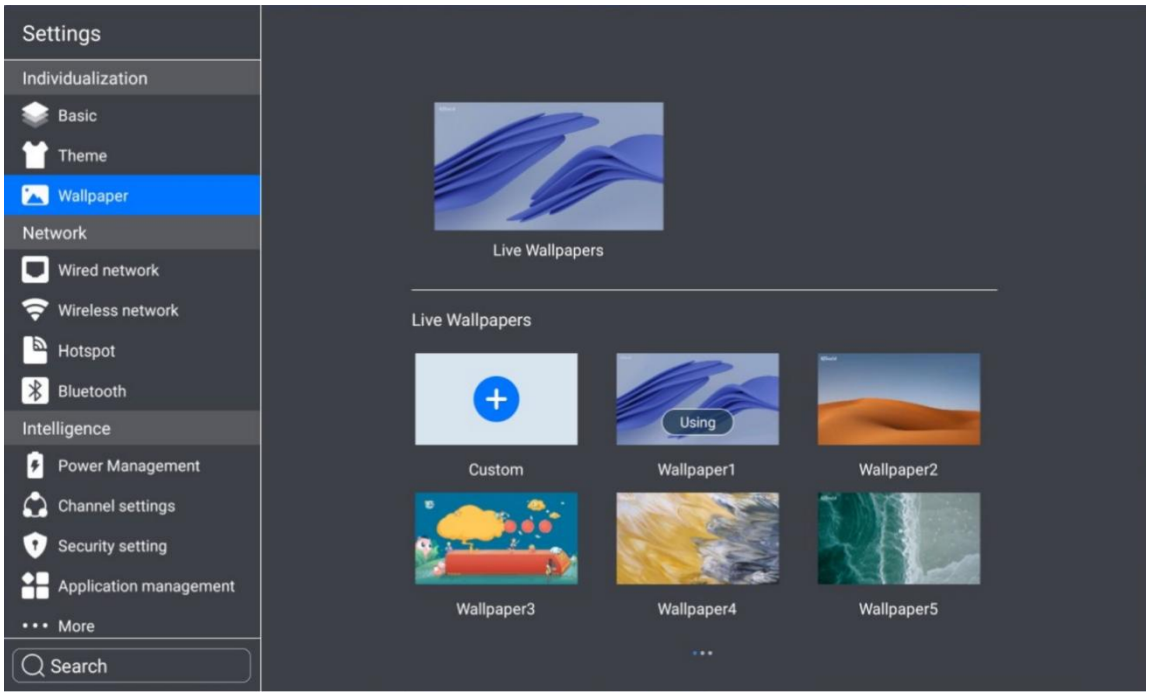
Theme

Click on the corresponding theme image to switch meeting theme, education theme, technology theme.



Wallpaper

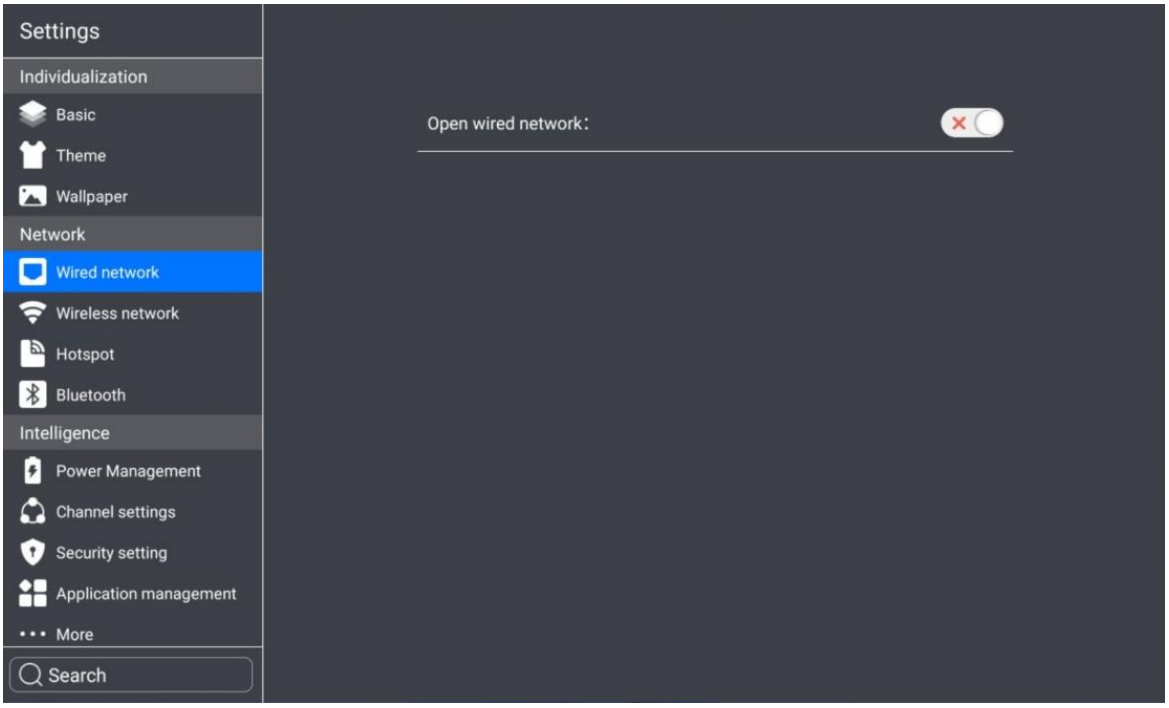
Wallpaper has live and dynamic wallpaper. It also can be added by custom. Custom added wallpaper can be stored in live wallpaper and deleted by long press.



5.5.2 Network

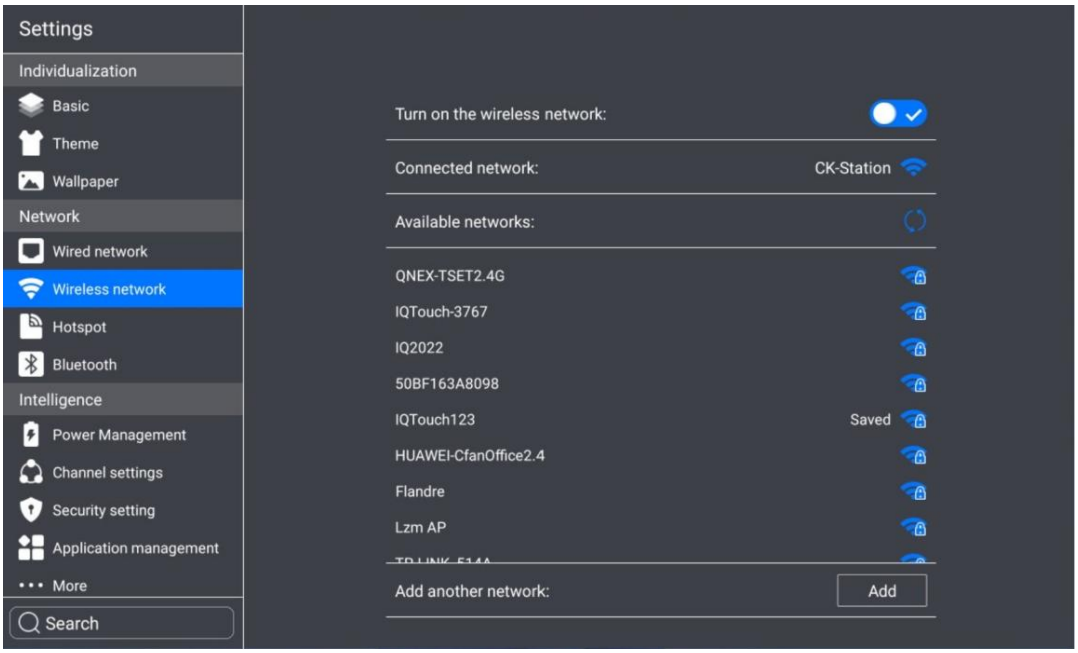
Wired network

Turn on the wireless network, which automatically connects the display to the available wireless network.



Wireless network

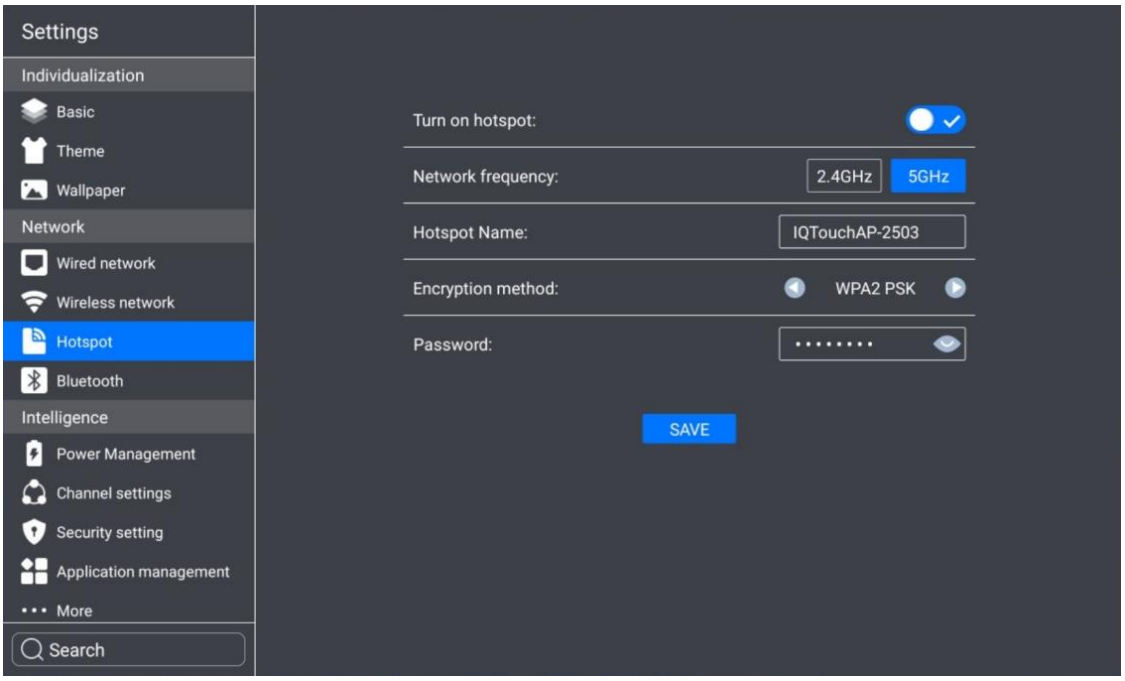
Turn on the wireless network, which automatically connects the display to the available wireless network.



Hot spot

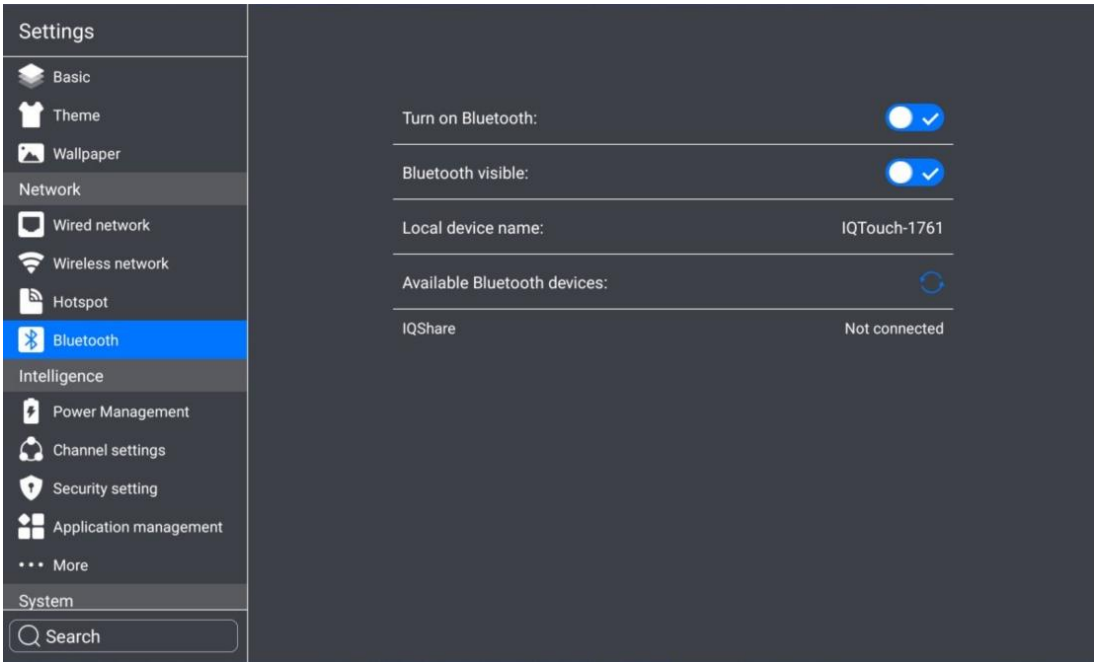
Under the 2.4 and 5G hot spot settings interface, users can change the hot spot name, security, password and other parameters.

Notice: 2.4G and 5G hot spot, 2.4G hot spot and wireless network can neither be opened at the same time.



Bluetooth

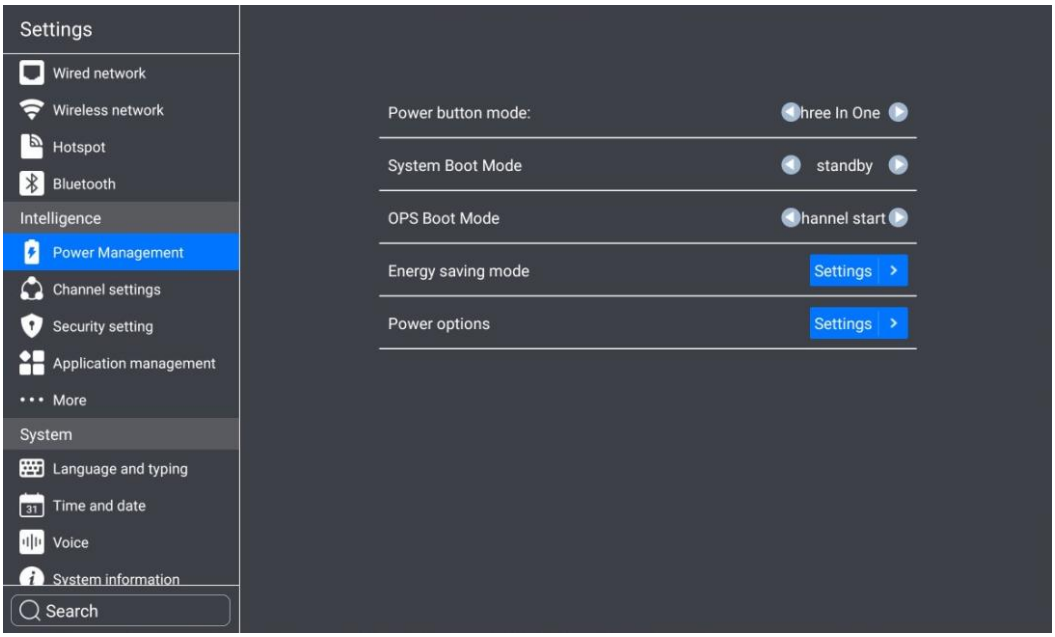
Turn on Bluetooth function to achieve Bluetooth transmission after Bluetooth pairing.



5.5.3 Intelligence

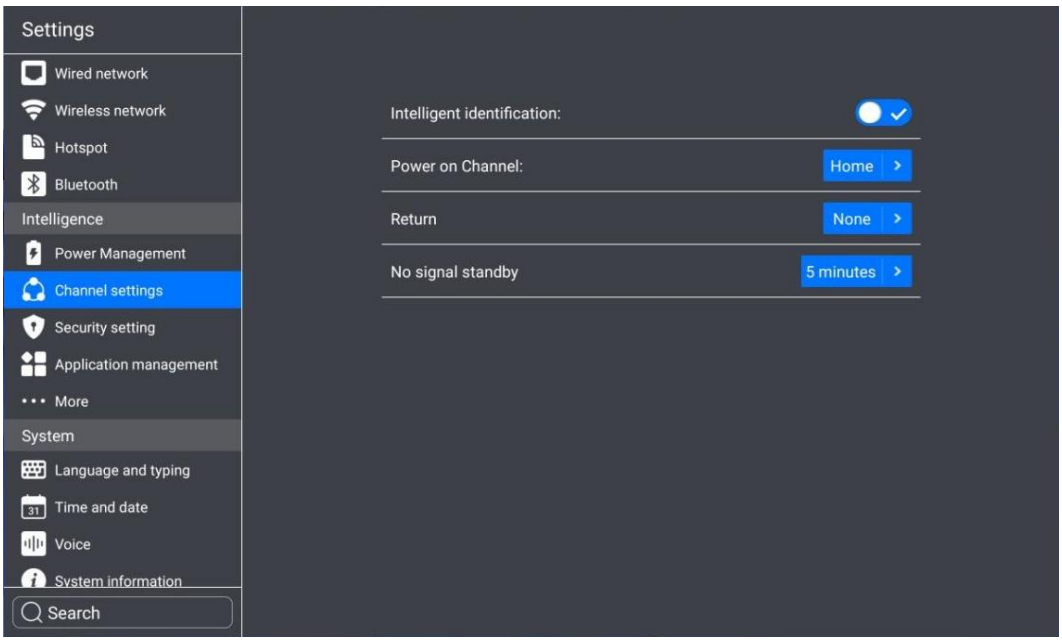
Power management

Press a button to adjust settings for power button mode, system boot mode, ops boot mode, energy saving mode, and power options.



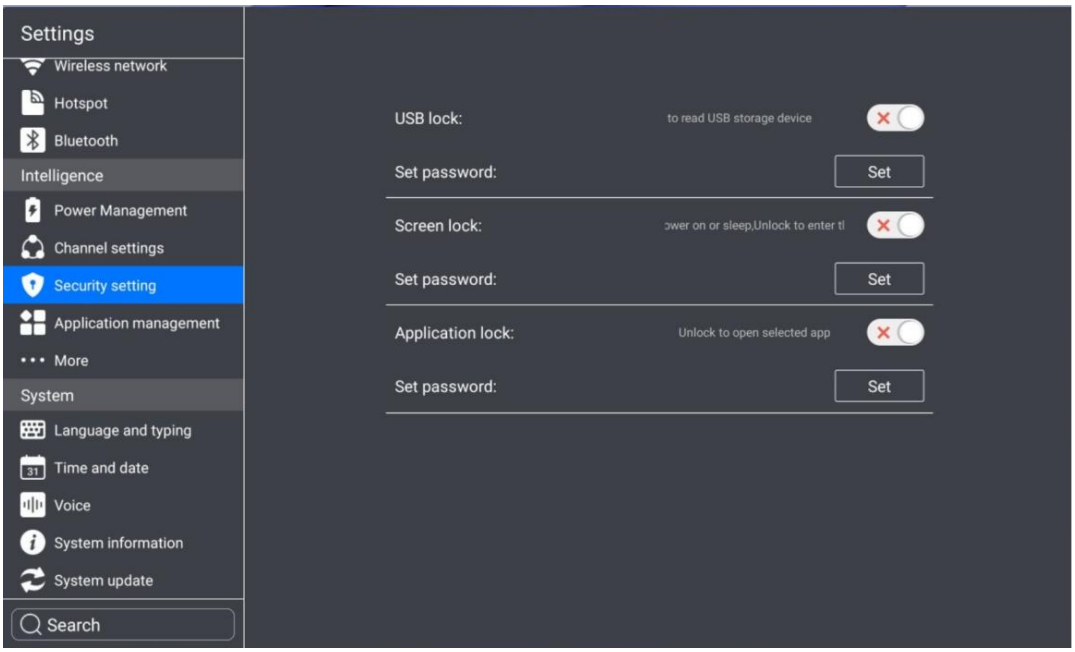
Channel settings

Click to set Power on Channel or click to custom channel name.



Security settings

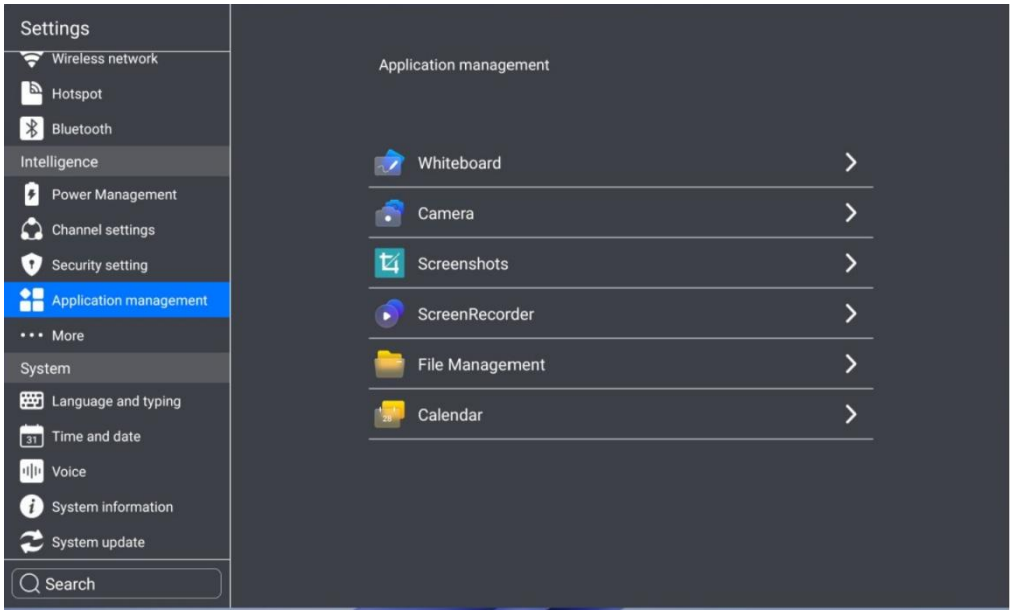
USB lock, screen lock, and application lock can be turned on or off. You can also set the corresponding unlock password, the initial password is 2580.



Click Set Password to change the corresponding password.

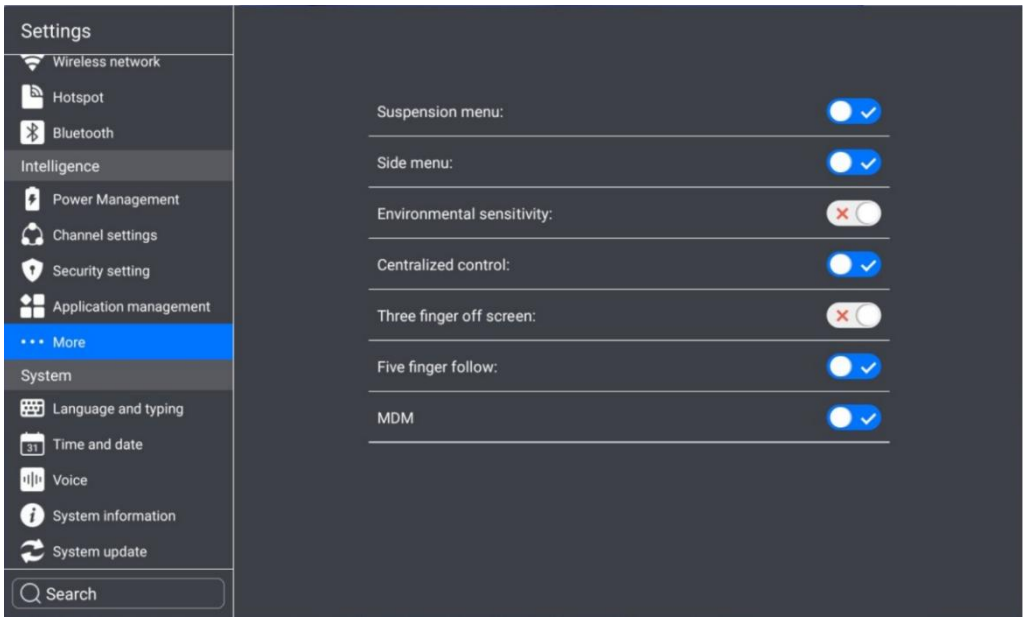
Application management

All applications in the list can be managed, click to setup the corresponding applications.



More functions

You can set the suspension menu, sidebar, environmental sensitivity, centralized control, three-finger off screen, five-finger follow and MDM.

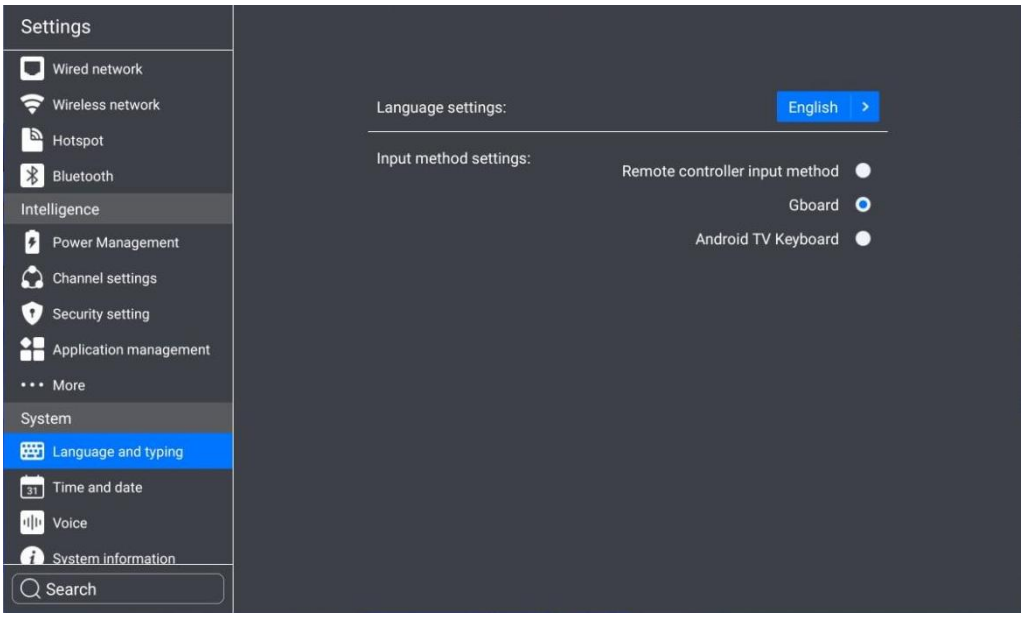


5.5.4 System

The system setting options are mainly for system input method, language display setting, system update and upgrade, etc., as well as system version information and built-in storage usage.

Language and typing

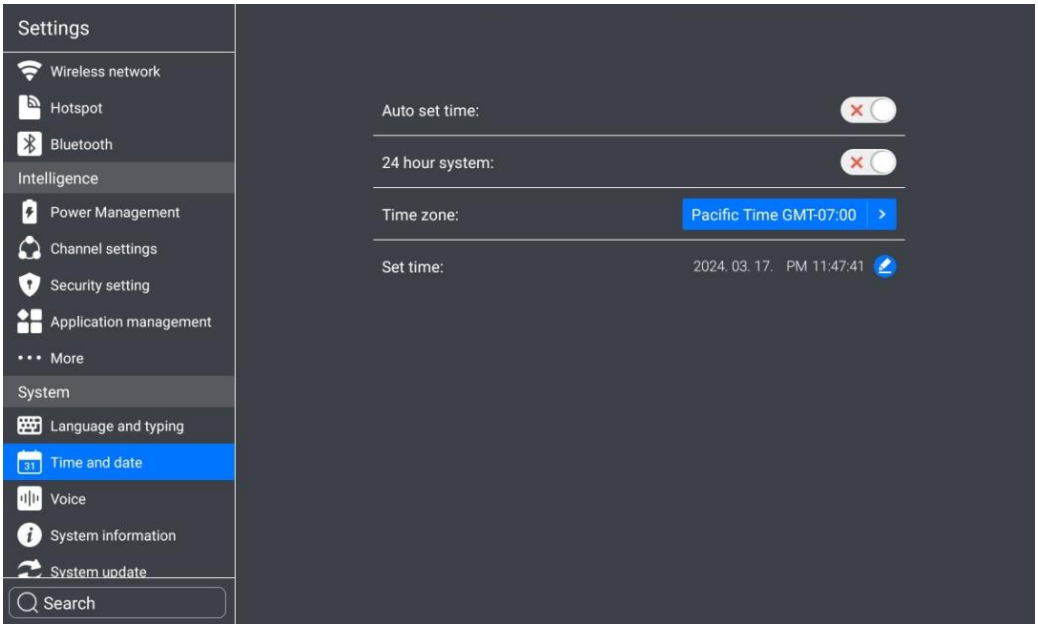
Click to set the language (English, Arabic, Spanish, French, Italian, Japanese, Simplified Chinese, Traditional Chinese), and you can also set the input method.



Time and date

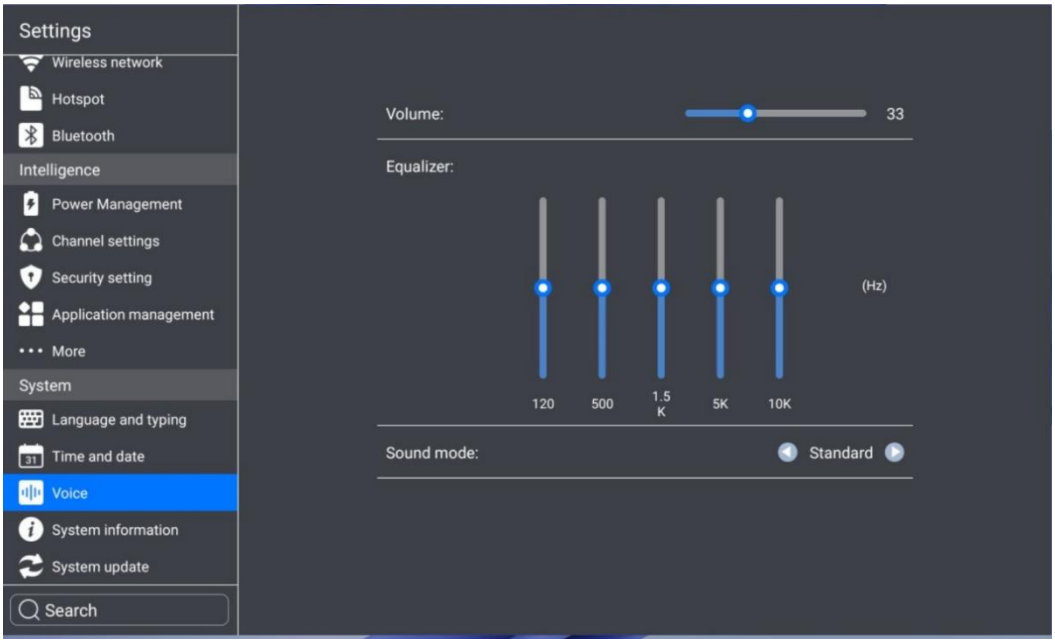
Turn on the Auto set time. If the network connection is successful, the current network time will be automatically synchronized. When the Auto set time is off, you can manually set the date and time.

Click to change the time.



Voice

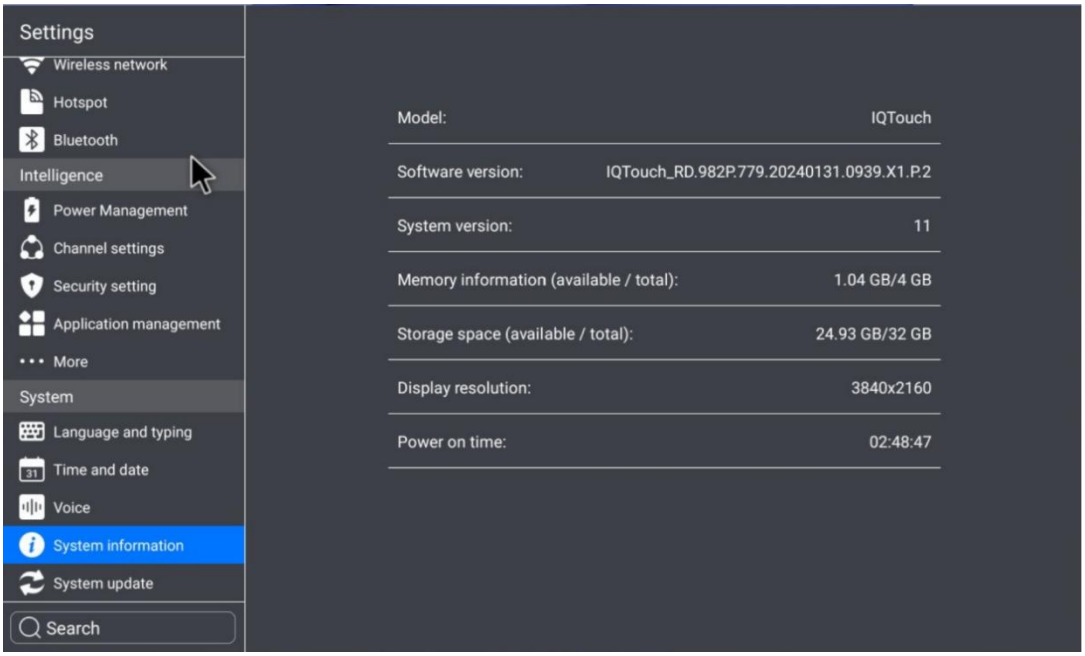
Adjust volume and set sound mode, output device.



Sound mode: user, standard, music, news, movie, sports.

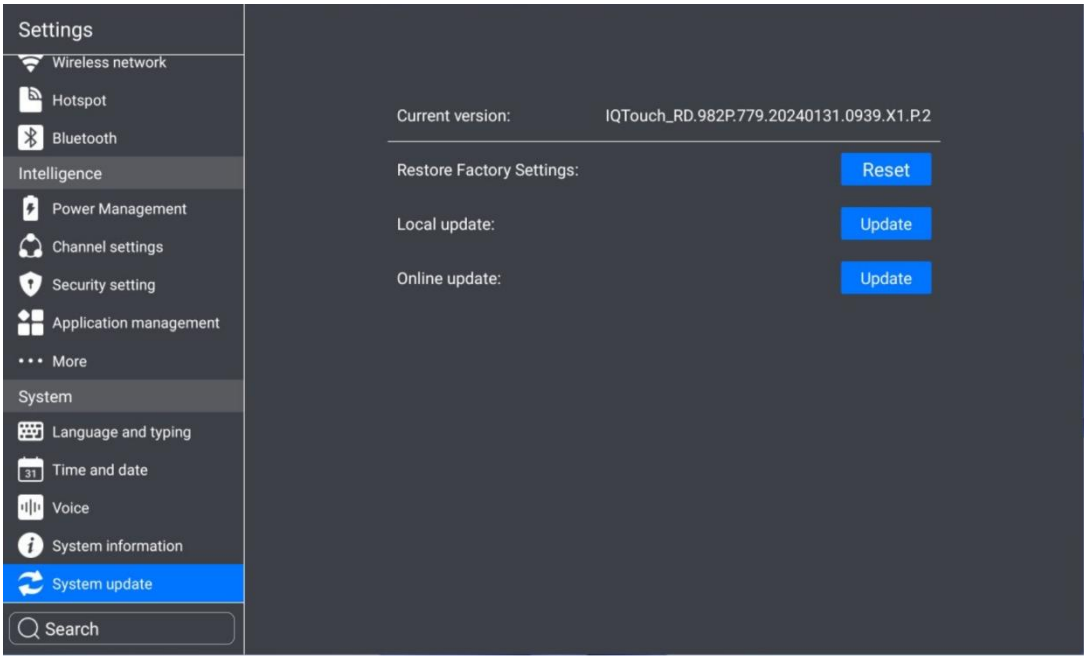
System information

You can view the system version information and built-in storage usage and other information.



System update

1) Restore factory settings: click Reset to restore the factory settings.
2) Local update: Copy the firmware to the root directory of the U disk, insert the U disk into the multimedia USB interface of the machine, and select local upgrade and update.



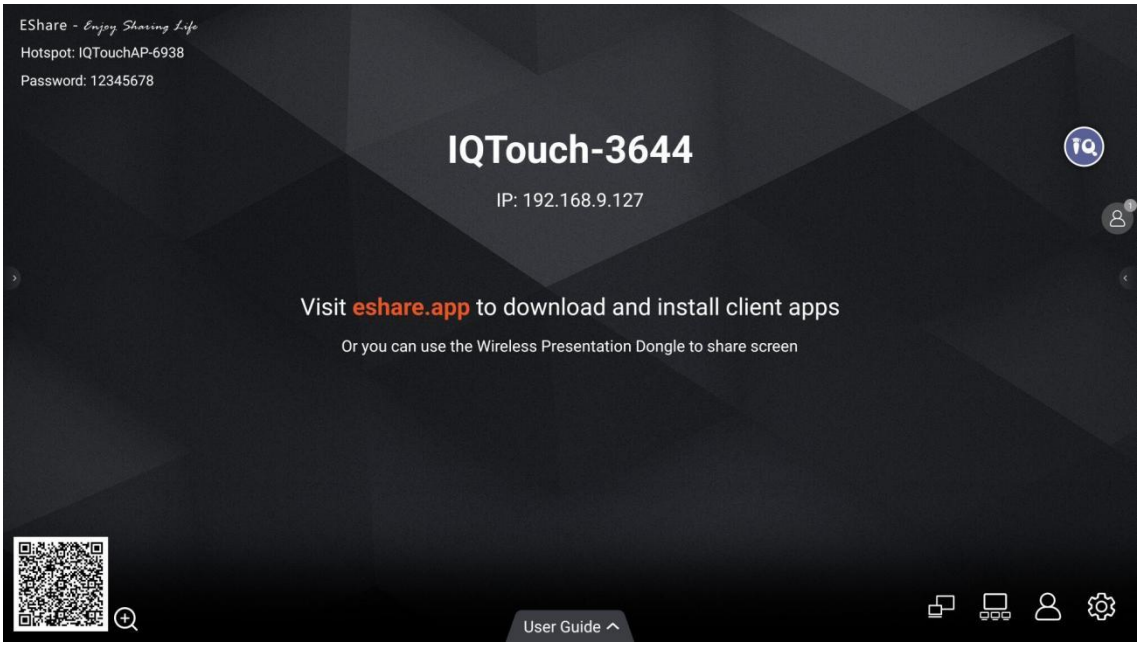
5.6 Screen Share

5.6.1 Application note

The main function of this application is to wirelessly transmit the content of mobile phones, tablets or computers to the display, and truly achieve the wireless screen transmission function of the projection device and the projected device (note: mobile phones, tablets or computers need to be on the same local area network).

5.6.2 Operating instructions

1. Click (Screen Share) icon to open the multi-screen interaction interface, and the application display interface is as shown.



2. Function activation

Activate it only through connecting network if you have purchased EShare serial number.

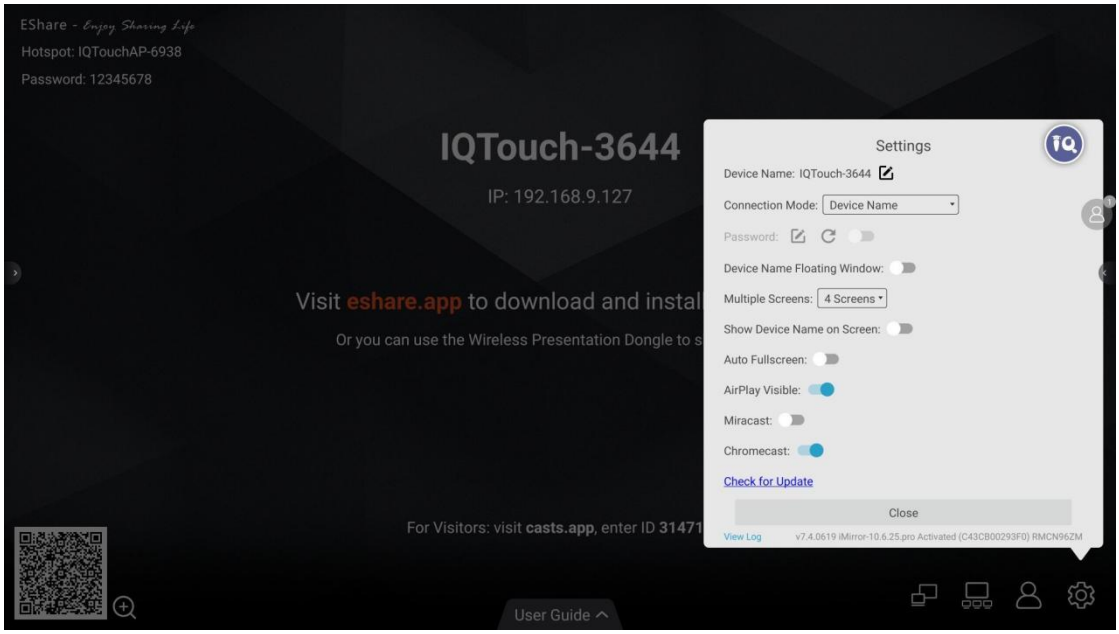
3. Operating description

1) Android mobile phone connection network, scan the multi-screen interactive interface QR code to download and install E-share application software (Apple mobile phone does not need to download);
2) The mobile phone needs to use the same network as the all-in-one. The Android mobile phone can open the E-share to cast the screen, and the Apple mobile phone can open the Air Play to cast the screen.

5.6.3 Special instructions for multi-screen interaction interface

Device name

Click icon, user can modify the device name



In this interface, you can modify the device name and set the connection password. when an Android phone connects to touch screen, it needs to enter the connection password to connect to the screen.

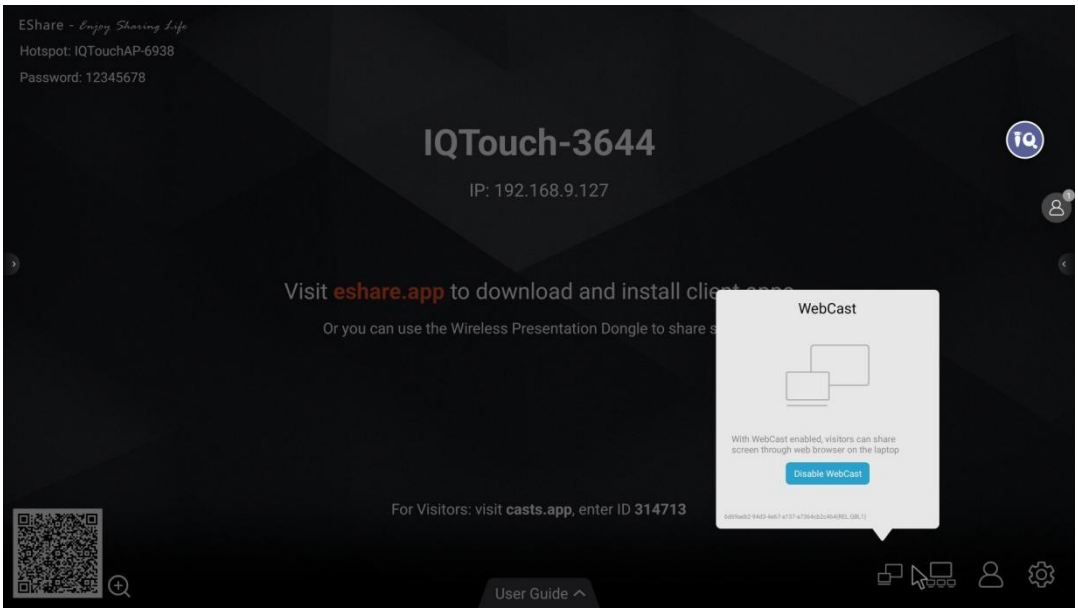
Device Name Floating Window: the device name floating window is displayed on the screen when it is turned on.

Multi-split screen: set the number of split screens

Show Device Name on Screen: the device name is displayed on the screen when it is turned on

Airplay visible: Airplay visible when it turned on.

5.6.4 Webcast remote screen sharing



- Click Enable Webcast to obtain the IP address for visitor on the center place of the current page. Open browser and input the IP address to share your personal screen from different places with no requirement of the same LAN.

- Click Disable Webcast to exit remote screen share.

5.6.5 Laptop screen sharing

The screen sharing of the laptop needs to be used with the IQShare Button Gen2. The IQShare Button Gen2 is as shown below:

Note: Before using the IQShare Button Gen2 wireless screen function, user needs to make sure that the hotspot of the Touch screen is turned on.

1. IQShare Button Gen2 should be paired with Touch screen

The USB port of IQShare Button Gen2 should be inserted into Touch screen and paired with touch screen. The touch screen will display paired successfully after few seconds.

Note：

A. A Touch screen can be paired with up to 8 IQShare Button Gen2 in the same network environment.

B. Multi-screen function supports to connect up to 9 mobile devices and simultaneously display on 9 split screens.

2. Screen and laptop pairing

1）Start pairing

Plug the IQShare Button Gen2 into the laptop's USB port and HDMI port and paired with the laptop. The indicator light of the IQShare Button Gen2 keeps flashing in white and is being paired with the laptop.

2）Pairing completed

When the touch screen successfully connects to the laptop, the indicator light of the IQShare Button Gen2 is solid white.

3）Screen sharing

Press the IQShare Button Gen2 button, and when the white light stays solid, which means the screen sharing is successful, and the screen and sound of the laptop will be mirrored to the touch screen; press the button again, the screen mirror will exit.

5.7 IQ SmartPen

5.7.1 Application note

The IQ SmartPen application integrates essential features including color switch, screenshot, wireless presenter, blackboard, eraser, annotation, digital laser pointer, hyperlink, spotlight, and magnifier. These functionalities collectively empower users with a diverse set of tools to enhance productivity, streamline presentations, and facilitate seamless interaction during meetings.

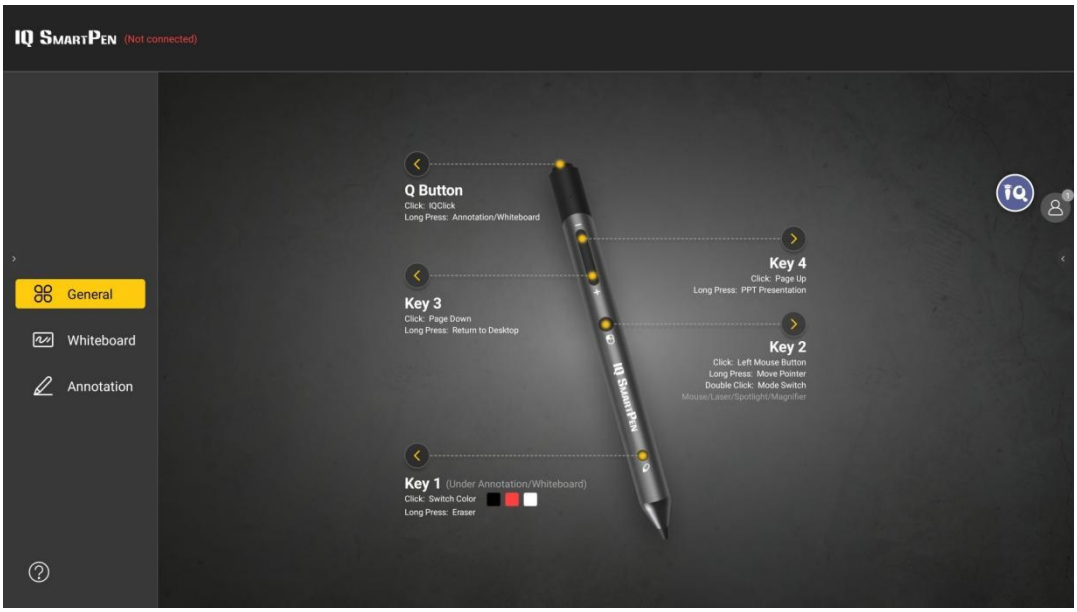
5.7.2 Operating instructions

1. Insert the SmartPen's USB receiver into the full-channel USB port. Upon successful connection, the IQSmartPen APP interface will display "connecting" in the top left corner, indicating a successful connection.

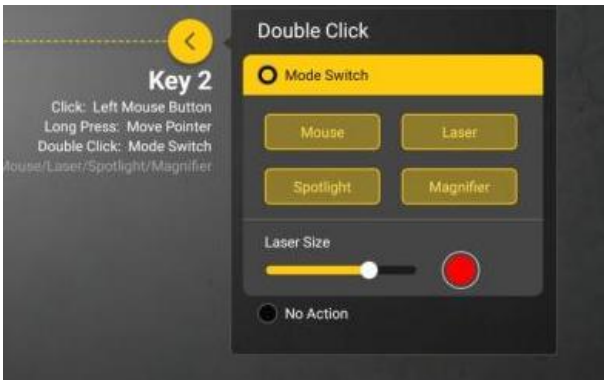
2. Clicking on the IQ SmartPen icon opens the smartpen app interface, three modes are available: General, Whiteboard, and Annotation.

	Button	Operation	Android
1	Q Button	Click	Screenshot
		Long press	Annotation (Whiteboard)
2	Key 4	Click	Page Up
		Long press	No Action
3	Key 3	Click	Page Down
		Long press	Return to Desktop
4	Key 2	Click	Left Mouse Button
		Double click	Mode Switch Mouse、Laser Spotlight、Magnifier
		Long press	Move Pointer
5	Key 1	Click	Switch Color
		Long press	Eraser

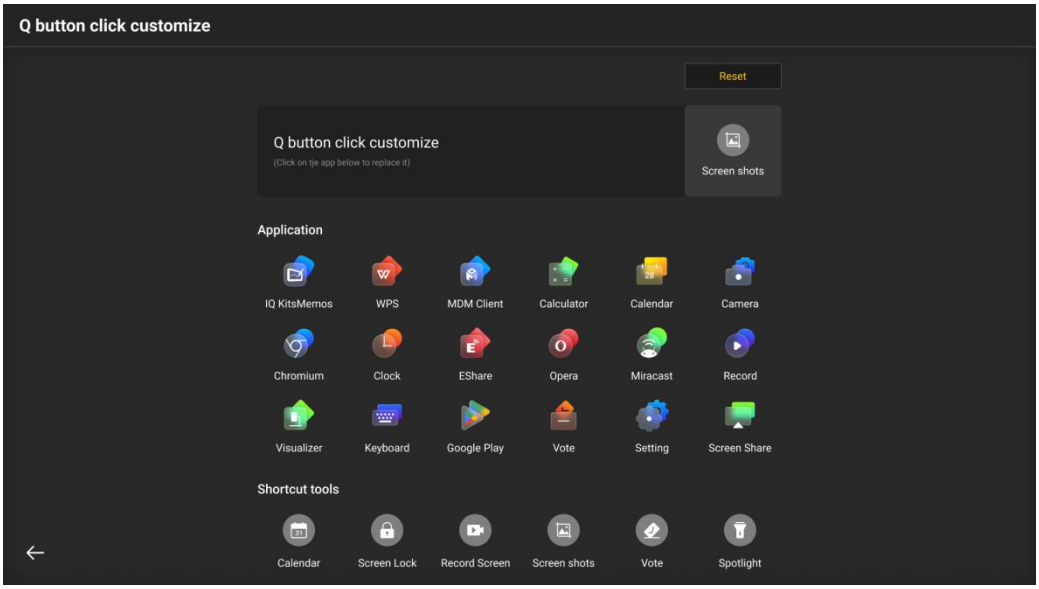
General:



1). Each button's click and long press actions correspond to different functions, while Key2, Key3, and Key4 can be set to "No Action."

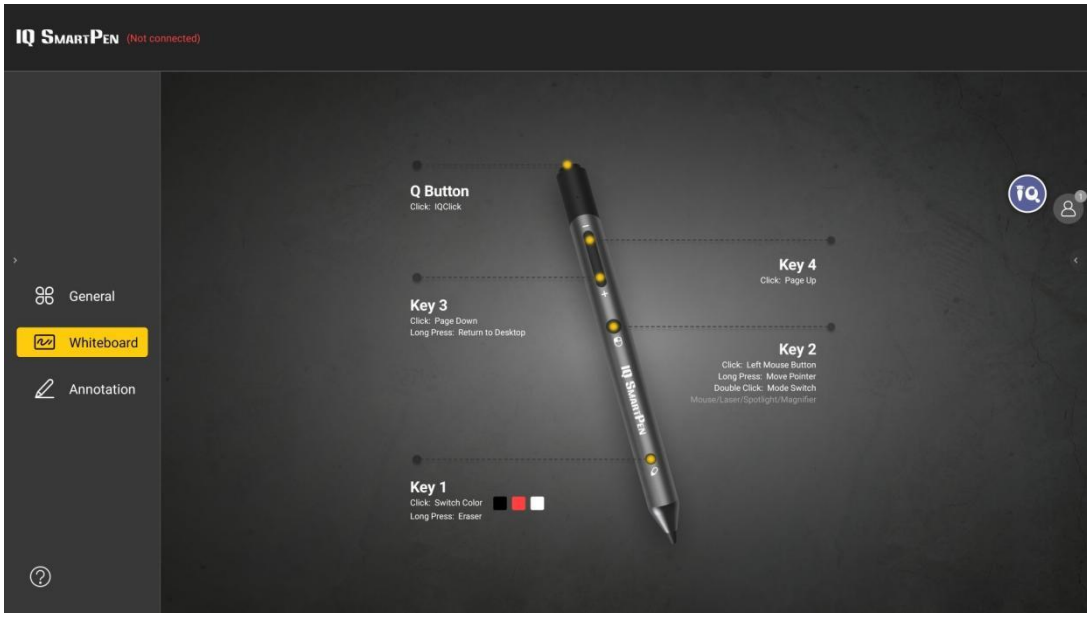


2). Within Key 2's mode switch, the capability to adjust the size of the tool is provided, alongside the option to add one or several functions from Mouse, Laser, Spotlight, and Magnifier.

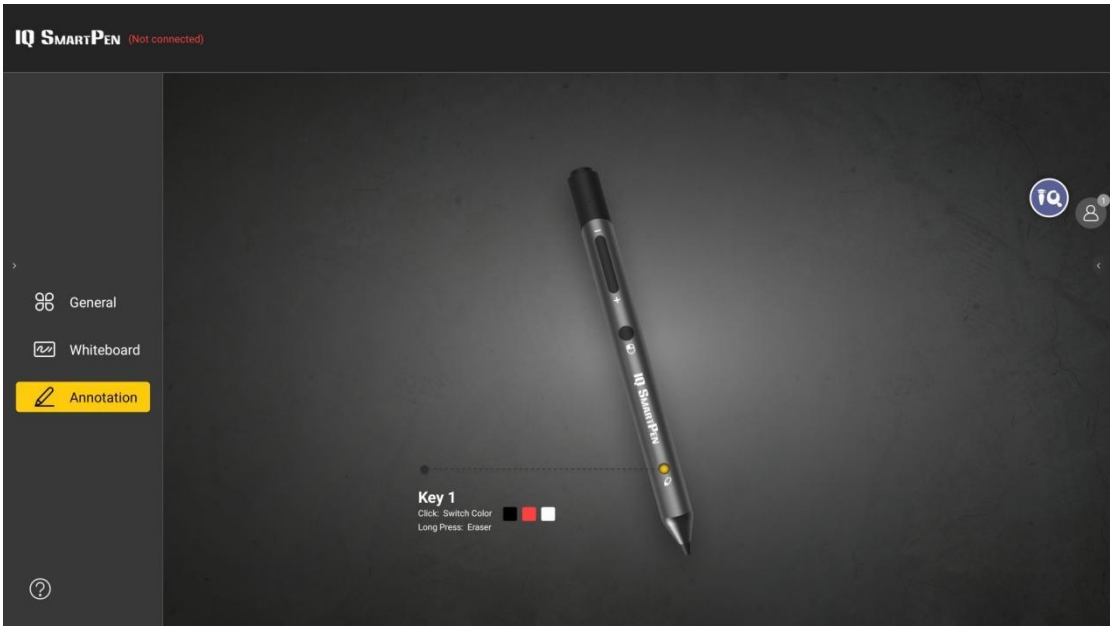


3). Q button Supports customization. The Q button is set to take screenshots by default, but you can personalize it to open any app you prefer or access shortcut tools as shown in the image.

Whiteboard:



Annotation:



NOTE

- Click this icon to know further details on how to connect and pair the device.

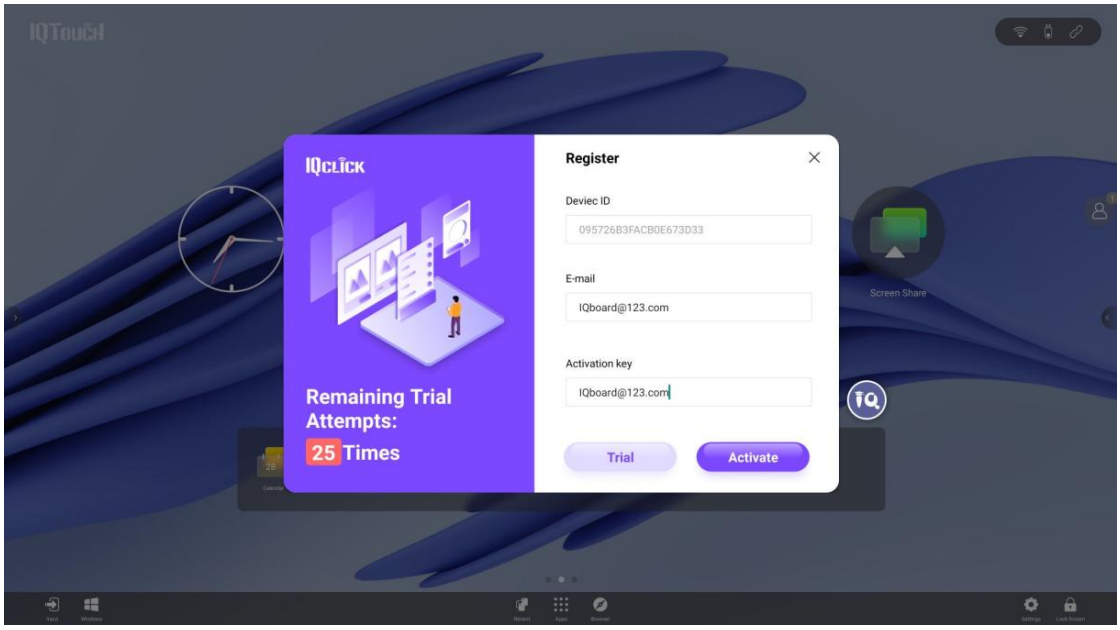
5.8 IQClick

5.8.1 App Startup

To open the app, simply click on the software icon .

5.8.2 Registration Page

When the app is not activated, each time you open the application, you will be directed to the activation window. This window features activation and trial buttons. The software can be used for free up to 30 times as a trial. Upon successful activation, the application will automatically open to the home page every time it is launched.

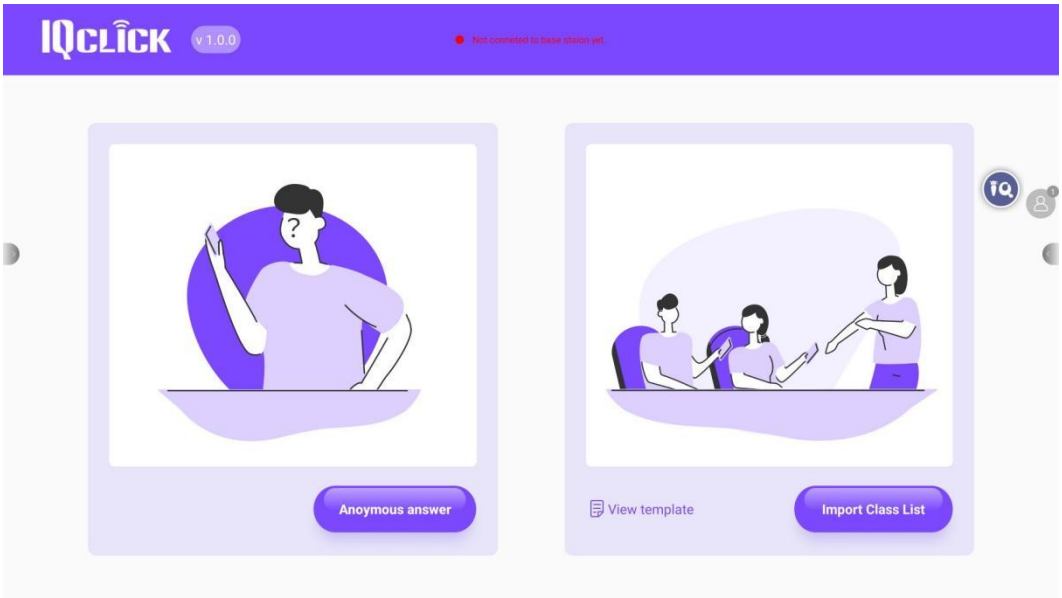


5.8.3 Usage Scenarios

The IQClick Interactive Response System app offers two main scenarios: anonymous answering and class-based answering.

For Anonymous Answering: Add the number of students in the class---start testing

For Class-based Answering: Create a class list---bind response devices---start testing



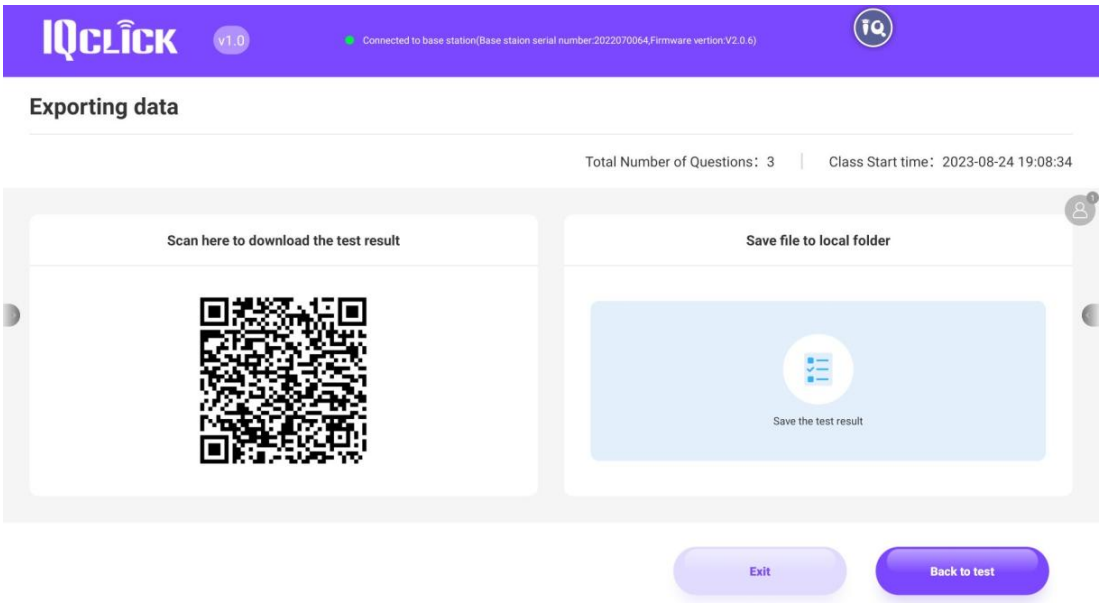
5.8. 4 Classroom Response

There are three types of questions available for classroom responses: single-choice questions, multiple-choice questions, and true/false questions.

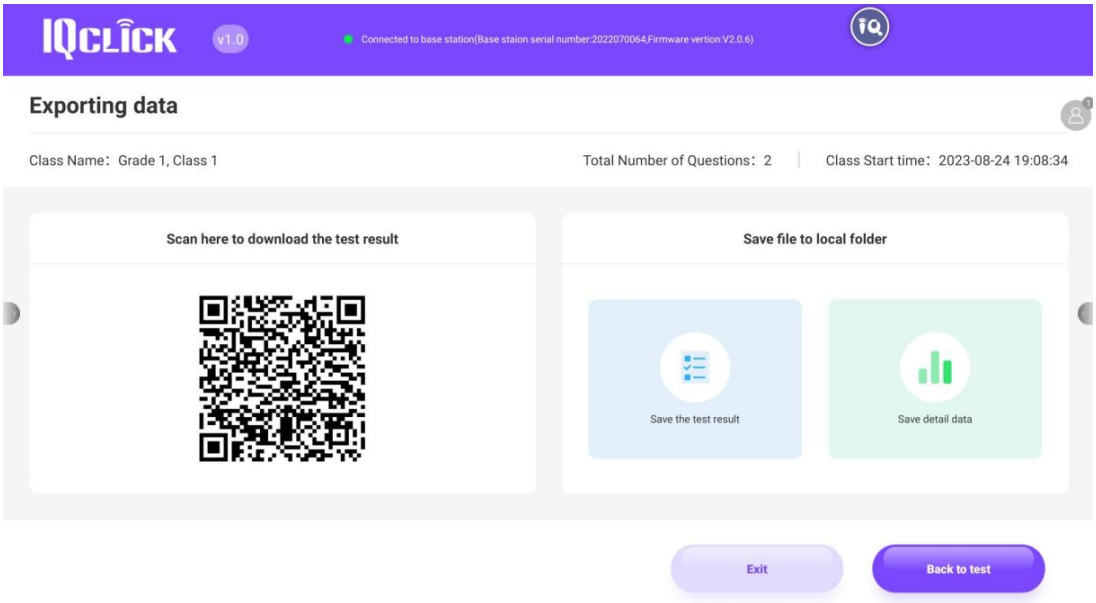
5.8. 5 Data Export

In anonymous answering mode, the data export page offers options for downloading via QR code scan on a mobile device, local export as a PDF file, and local export as an Excel file；

In class-based answering mode, the data export page provides options for downloading via QR code scan on a mobile device and local export as an Excel file.



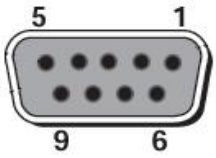
(Anonymous Answering Mode)



(Class-based Answering Mode)

6. Serial Port

RS232 communication cable (please use cross data cables)



RS232 port

PIN	This Device	Computer
1	NC	NC
2	RXD0	TXD0
3	TXD0	RXD0
4	NC	NC
5	GND	GND
6	NC	NC
7	NC	NC
8	NC	NC
9	NC	NC
Cover	GND	GND

Connect RS-232 port to the PC or controlling product. Enable RS-232 serial port connection and complete the following configuration.

Port: COM1 (Set according to PC or controlling product's port number)			
Baud rate	19200	Odd/even check	None
Data bits	8	Stop bit	1

The following tables list controlling codes, querying codes and return codes.

Function	Controlling codes	Return codes
Power on	7F 08 99 A2 B3 C4 02 FF 01 00 CF	7F 09 99 A2 B3 C4 02 FF 01 00 01 CF
Power off	7F 08 99 A2 B3 C4 02 FF 01 01 CF	7F 09 99 A2 B3 C4 02 FF 01 01 01 CF
Mute/Unmute	7F 08 99 A2 B3 C4 02 FF 01 02 CF	7F 09 99 A2 B3 C4 02 FF 01 02 01 CF
Signal source	7F 08 99 A2 B3 C4 02 FF 01 06 CF	7F 09 99 A2 B3 C4 02 FF 01 06 01 CF

Enable whiteboard	7F 08 99 A2 B3 C4 02 FF 01 07 CF	7F 09 99 A2 B3 C4 02 FF 01 07 01 CF
Display status	7F 08 99 A2 B3 C4 02 FF 01 09 CF	7F 09 99 A2 B3 C4 02 FF 01 09 01 CF
HDMI front / HDMI 1	7F 08 99 A2 B3 C4 02 FF 01 0A CF	7F 09 99 A2 B3 C4 02 FF 01 0A 01 CF
HDMI rear 1 / HDMI 2	7F 08 99 A2 B3 C4 02 FF 01 52 CF	7F 09 99 A2 B3 C4 02 FF 01 52 01 CF
HDMI rear 2 / HDMI 3	7F 08 99 A2 B3 C4 02 FF 01 53 CF	7F 09 99 A2 B3 C4 02 FF 01 53 01 CF
VGA / USB-C (Front)	7F 08 99 A2 B3 C4 02 FF 01 54 CF	7F 09 99 A2 B3 C4 02 FF 01 54 01 CF
USB-C (Rear)	7F 08 99 A2 B3 C4 02 FF 01 55 CF	7F 09 99 A2 B3 C4 02 FF 01 55 01 CF
Internal PC	7F 08 99 A2 B3 C4 02 FF 01 38 CF	7F 09 99 A2 B3 C4 02 FF 01 38 01 CF
Internal SDM	7F 08 99 A2 B3 C4 02 FF 01 39 CF	7F 09 99 A2 B3 C4 02 FF 01 39 01 CF
DP	7F 08 99 A2 B3 C4 02 FF 01 56 CF	7F 09 99 A2 B3 C4 02 FF 01 56 01 CF
Page up	7F 08 99 A2 B3 C4 02 FF 01 13 CF	7F 09 99 A2 B3 C4 02 FF 01 13 01 CF
Page down	7F 08 99 A2 B3 C4 02 FF 01 14 CF	7F 09 99 A2 B3 C4 02 FF 01 14 01 CF
VOL -	7F 08 99 A2 B3 C4 02 FF 01 17 CF	7F 09 99 A2 B3 C4 02 FF 01 17 01 CF
VOL +	7F 08 99 A2 B3 C4 02 FF 01 18 CF	7F 09 99 A2 B3 C4 02 FF 01 18 01 CF
Menu	7F 08 99 A2 B3 C4 02 FF 01 1B CF	7F 09 99 A2 B3 C4 02 FF 01 1B 01 CF
Home page	7F 08 99 A2 B3 C4 02 FF 01 1C CF	7F 09 99 A2 B3 C4 02 FF 01 1C 01 CF
Return (exit)	7F 08 99 A2 B3 C4 02 FF 01 1D CF	7F 09 99 A2 B3 C4 02 FF 01 1D 01 CF

OK	7F 08 99 A2 B3 C4 02 FF 01 2B CF	7F 09 99 A2 B3 C4 02 FF 01 2B 01 CF
←	7F 08 99 A2 B3 C4 02 FF 01 2C CF	7F 09 99 A2 B3 C4 02 FF 01 2C 01 CF
→	7F 08 99 A2 B3 C4 02 FF 01 2D CF	7F 09 99 A2 B3 C4 02 FF 01 2D 01 CF
↑	7F 08 99 A2 B3 C4 02 FF 01 2E CF	7F 09 99 A2 B3 C4 02 FF 01 2E 01 CF
↓	7F 08 99 A2 B3 C4 02 FF 01 2F CF	7F 09 99 A2 B3 C4 02 FF 01 2F 01 CF
Set volume	7F 08 99 A2 B3 C4 02 FF 05 XX CF	7F 09 99 A2 B3 C4 02 FF 05 XX 01 CF Note: XX indicates the value of volume (0-100), corresponding to the hexadecimal number system (00 - 64).
Query the firmware version number	7F 08 99 A2 B3 C4 02 FF 01 3D CF	7F 09 99 A2 B3 C4 02 FF 01 3D XX CF Note: XX indicates version.
Set display mode	7F 08 99 A2 B3 C4 02 FF 06 XX CF	7F 09 99 A2 B3 C4 02 FF 06 XX 01 CF Note: XX indicates the mode. 00-standard, 01-ECO mode, 02-custom，03-auto.
Enable the annotation function	7F 08 99 A2 B3 C4 02 FF 01 40 CF	7F 09 99 A2 B3 C4 02 FF 01 40 01 CF
Increase backlight brightness	7F 08 99 A2 B3 C4 02 FF 01 47 CF	7F 09 99 A2 B3 C4 02 FF 01 47 01 CF
Decrease backlight brightness	7F 08 99 A2 B3 C4 02 FF 01 48 CF	7F 09 99 A2 B3 C4 02 FF 01 48 01 CF

Set the value of backlight brightness	7F 08 99 A2 B3 C4 02 FF 09 XX CF	7F 09 99 A2 B3 C4 02 FF 09 XX 01 CF Note: XX indicates the value of backlight brightness (1- 100), corresponding to the hexadecimal number system (01-64).
Switch backlight	7F 08 99 A2 B3 C4 02 FF 01 15 CF	7F 09 99 A2 B3 C4 02 FF 01 15 XX CF Note: • XX = 01 indicates the backlight is on. • XX = 00 indicates the backlight is off.
Switch to screen lock	7F 08 99 A2 B3 C4 02 FF 01 57 CF	7F 09 99 A2 B3 C4 02 FF 01 57 01 CF
Screenshot	7F 08 99 A2 B3 C4 02 FF 01 1F CF	7F 09 99 A2 B3 C4 02 FF 01 1F 01 CF
Settings	7F 08 99 A2 B3 C4 02 FF 01 20 CF	7F 09 99 A2 B3 C4 02 FF 01 20 01 CF
Freeze ON/OFF toggle	7F 08 99 A2 B3 C4 02 FF 01 3B CF	7F 09 99 A2 B3 C4 02 FF 01 3B 01 CF
Freeze On	7F 09 99 A2 B3 C4 02 FF 0B 00 CF	7F 09 99 A2 B3 C4 02 FF 0B 00 01 CF
Freeze Off	7F 09 99 A2 B3 C4 02 FF 0B 01 CF	7F 09 99 A2 B3 C4 02 FF 0B 01 01 CF
Mute On	7F 09 99 A2 B3 C4 02 FF 0F 00 CF	7F 09 99 A2 B3 C4 02 FF 0F 00 01 CF
Mute Off	7F 09 99 A2 B3 C4 02 FF 0F 01 CF	7F 09 99 A2 B3 C4 02 FF 0F 01 01 CF
Switch Safety Lock On	7F 09 99 A2 B3 C4 02 FF 0D 01 CF	7F 09 99 A2 B3 C4 02 FF 0D 01 01 CF
Switch Safety Lock Off	7F 09 99 A2 B3 C4 02 FF 0D 00 CF	7F 09 99 A2 B3 C4 02 FF 0D 00 01 CF
Switch Backlight On	7F 09 99 A2 B3 C4 02 FF 0E 01 CF	7F 09 99 A2 B3 C4 02 FF 0E 01 01 CF

Switch Backlight Off	7F 09 99 A2 B3 C4 02 FF 0E 00 CF	7F 09 99 A2 B3 C4 02 FF 0E 00 01 CF
Set Display message on the OSD	7F 09 99 A2 B3 C4 02 FF 1A XX CF	7F 09 99 A2 B3 C4 02 FF 1A 00 XX CF Note: • XX = 01 indicates set OSD OK. • XX = 00 indicates set OSD failed.

Function	Querying codes	Return codes
Power supply	7F 08 99 A2 B3 C4 02 FF 01 37 CF	7F 09 99 A2 B3 C4 02 FF 01 37 XX CF Notes: XX indicates the power on/off state. XX = 01: power on state; XX = 00: power off state.
Speaker	7F 08 99 A2 B3 C4 02 FF 01 82 CF	7F 09 99 A2 B3 C4 02 FF 01 82 XX CF Notes: 01: mute; 00: non-mute.
Current signal source	7F 08 99 A2 B3 C4 02 FF 01 50 CF	7F 09 99 A2 B3 C4 02 FF 01 50 XX CF Notes: Smart system = 30; PC = 17; SDM =18; DP = 20; HDMI rear 1 = 1F; HDMI Rear 2 = 1E; VGA/USB-C Front = 00;

Speaker volume	7F 08 99 A2 B3 C4 02 FF 01 33 CF	7F 09 99 A2 B3 C4 02 FF 01 33 XX CF Notes: XX indicates current volume value (XX is a hexadecimal value, range: 00~64). For example, XX = 20 indicates current volume value is 32 (decimal value), XX = 00 indicates mute state.
D.Mode	7F 08 99 A2 B3 C4 02 FF 01 35 CF	7F 09 99 A2 B3 C4 02 FF 01 35 XX CF Notes: XX indicates the mode. XX = 00-standard; XX = 01-ECO mode; XX = 02-custom. XX = 03-auto.
Backlight brightness	7F 08 99 A2 B3 C4 02 FF 01 49 CF	7F 09 99 A2 B3 C4 02 FF 01 49 XX CF Notes: XX indicates the value of backlight brightness (0 - 100), corresponding to the hexadecimal number system (00 - 64).
Backlight status	7F 08 99 A2 B3 C4 02 FF 01 81 CF	7F 09 99 A2 B3 C4 02 FF 01 81 XX CF Notes: XX = 00 indicates the backlight is on. XX = 01 indicates the backlight is off.
Screen lock	7F 08 99 A2 B3 C4 02 FF 01	7F 09 99 A2 B3 C4 02 FF 01 84 XX

Whiteboard state	7F 08 99 A2 B3 C4 02 FF 01 83 CF	7F 09 99 A2 B3 C4 02 FF 01 83 XX CF Notes: XX = 01 indicates the whiteboard state. XX = 00 indicates non-whiteboard state.
Return to system state of the previous options	7F 08 99 A2 B3 C4 02 FF 0A 00 CF	7F 08 99 A2 B3 C4 02 FF 0A 00 AB CD EF GH IJ OP QR ST UV CF Notes: AB: Power supply; CD: Speaker; EF: Current signal source; GH: Speaker volume; IJ: D.Mode; OP: backlight brightness; QR: backlight state; ST: Whiteboard state; UV: Screen lock state.

7. Troubleshooting

Remote Control	
Remote control out of order	● Check whether there is object between remote control and panel receiver; ● Check whether the battery is installed correctly; ● Check whether the battery is drained.
Touch	
Touch does not response.	● Make sure infrared frames have not been obscured. ● Check whether you enable freeze function on remote control.
Built-in PC	
OPS shut down automatically.	● Check if OPS is properly installed; ● Sleeping mode setting;
Handwriting	
Part of the handwriting cannot be displayed.	● Use the pen rather than a finger to write. Hold the pen as far to the nib as possible. The angle between the pen and display needs to be greater than 60 degrees. Do not touch the display with your sleeve or wrist. ● Change the nib or use a pen with larger covering area. ● Check if infrared frames are obscured. ● Remove the interference source or change the using environment.
No display or no sound	
No sound is played and no image is displayed.	● Check whether the power plug is inserted into the power socket and whether the panel is powered on. ● Check whether the rocker switch on the interactive flat panel display is switched on. ● Check whether panel is in ECO mode. ● Check whether the video and audio input cables are connected correctly. ● Check whether the panel is switched to the right signal source. ● Check the settings on image brightness and contrast. ● Check the volume.
Image is displayed properly, but no sound is played.	● Check the volume. ● Check whether the Mute button on the remote control is pressed. ● Check whether the audio cable between the PC and interactive flat panel display is connected correctly.

No image is displayed or the image is black and white.	● Modify the color settings. ● Check the color system.

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