IQTouch

Interactive Flat Panel

TB1100 Pro

——User Manual——

IQBoard Australia

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Safety Instruction

For your safety, please read the following instruction before you use the product. Serious injury or property loss may be caused by improper operations. Do not try to repair the product without guidance.

Placement

- Do not place the unit on an unstable cart, stand, tripod, racket, table, or shelf.
- Do not expose the unit to direct sunlight and other sources of heat.
- Do not handle liquids near or on the unit.
- Never spill liquid of any kind into the unit
- Do not put the unit near appliances that create magnetic fields.

Power Supply

- Check that the unit's operating voltage is identical with your local power supply.
- Please unplug power supply and aerial plug when the weather is thunder-storm or lighting.
- Please unplug power supply when there is nobody at home or didn't use over a long time.
- Please keep power cord from physical or mechanical damage.
- Please use exclusive power cord, don't modify or lengthen it.
- Please check and ensure AC source is connected with the ground.
- A sudden power failure may damage the panel.
- Frequent power on and off in a short time may cause faults.

LED Screen

- Never use any other tough or sharp object to replace the written pen.
- Unplug the power supply plug before cleaning.
- Clean the screen with a soft dustless and dry cloth.
- Never use water or the spray type detergent to clean the unit.
- For deep clean, contact an authorized service center.
- Please don't display the high brightness image on the screen for a long time.

Sight Distance

- The best distance between audience and screen is 5-7 times that of screen diagonal.
- The best watching angle between audience and screen is within 178 °

Temperature

- Do not place the unit near or over a radiator or a heater register.
- If your unit is suddenly moved from a cold to a warm place, unplug the power cord for at least.
- Two hours so that moisture that may have formed inside the unit can dry completely.

- Normal operating temperature is 0 ~ 40℃.

Humidity

- Do not expose machine in rain, damp or place near water.
- Ensure the indoor drying, cool.

Ventilation

- Keep the ventilation openings clear.
- Ensure that the unit has enough space for ventilation around: left, right and back >10cm, top> 20cm.

Earphone

- It will affect the hearing if you listen to noisy sound for a long time.
- Before using earphone, please turn down the volume in advance.

1.Installation

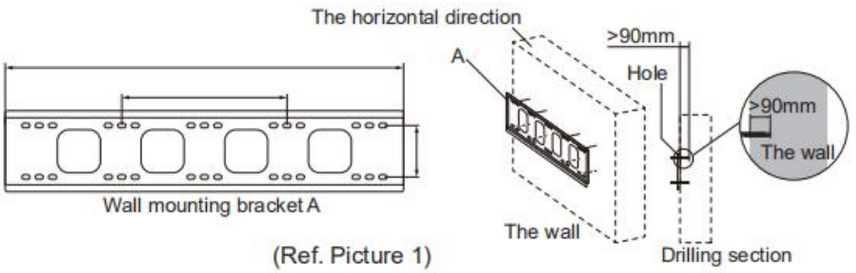
1.1 Bearing Capacity

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.

Step1: Punching holes in the wall

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

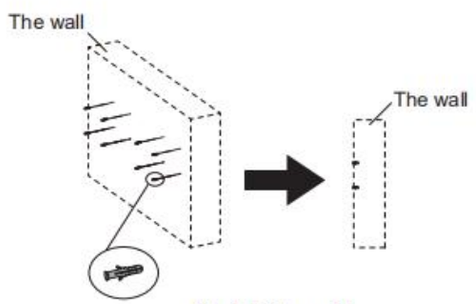
> Note:
> In order to ventilate and dissipate heat to ensure the normal operation of the device, please keep enough distance between the device and other objects. It is recommended that the top and bottom are more than 20cm away from the mounting surface, and the left and right sides, the rear are more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



(Ref. Picture 1)

Step2: Expansion bolt installation

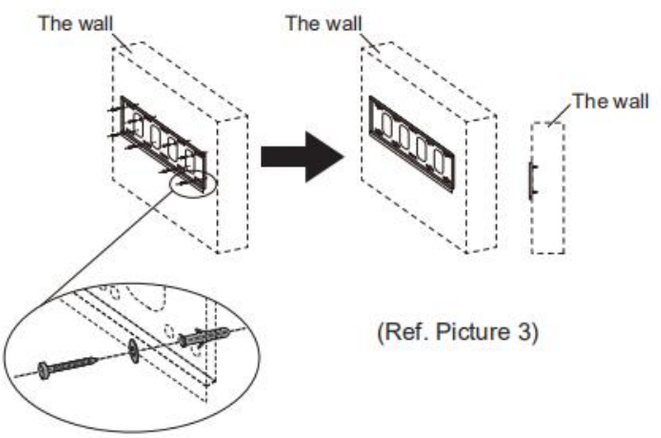
Press the expansion bolt into 8 holes. (Ref. Picture 2)



(Ref. Picture 2)

Step3:Wall mounting bracket A installation

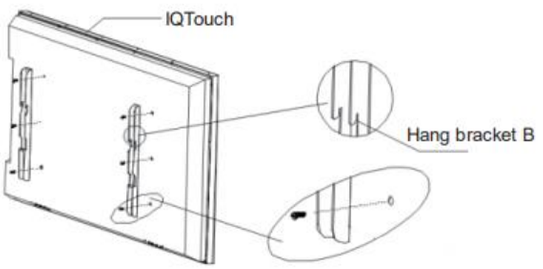
Install the wall mounting bracket A with 8pcs screws and gaskets. Please ensure that the wall mounting bracket A is installed horizontally. (Ref. Picture3)



(Ref. Picture 3)

Step4: Install the left& right hang bracket B to IQTouch.

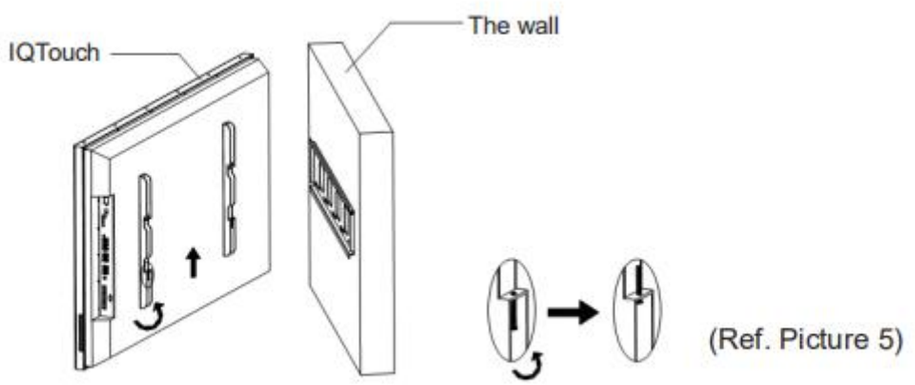
Use screws fix the hang bracket B at the back of IQTouch. Please check the direction of hang bracket B before installation. (Ref. Picture 4)



(Ref. Picture 4)

Step5: Hang IQTouch on the wall mounting bracket A

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



(Ref. Picture 5)

Note: The instruction just for installation diagram, it didn't appeared according to the actual size and ratio.

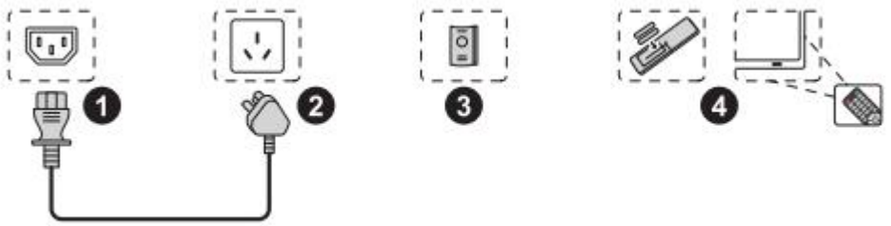
1.2 OPS Installation

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

Install the OPS by the following steps:

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.

2.Enable the Device



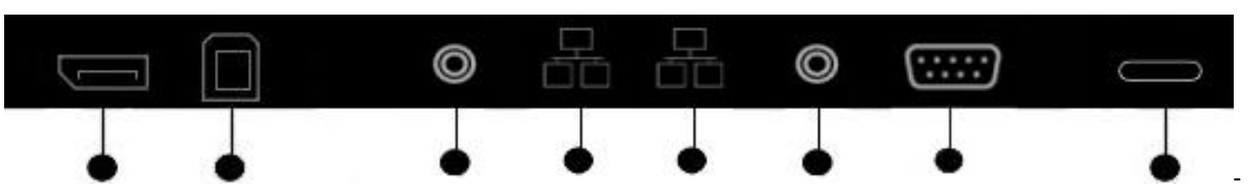
1) Connect the power cord to the port at the back of the device.
2) Plug the power cord to the electrical socket.
3) If the power LED light is not turn red please turn on the rocker switch at the back of the device.
4) Press power button or put the battery in to remote control and use remote control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

3.Control Panel

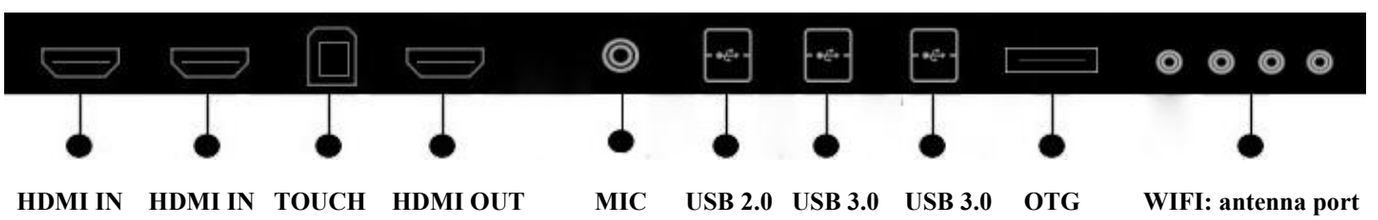
Item	Icon	Function Description
1		IR receiver:Receive infrared signals such as remote control
2		Power button: On or standby mode
3		Touch USB cable to realize the touch function of external device
4	HDMI	HDMI port used to connect an external display device
5		USB Type C: Image, power, touch, audio and video transmission
6		USB 3.0 port (Andriod & PC)
7		Light sensor: Automatically adjust screen brightness according to ambient light

4.Interface

Terminal Interface



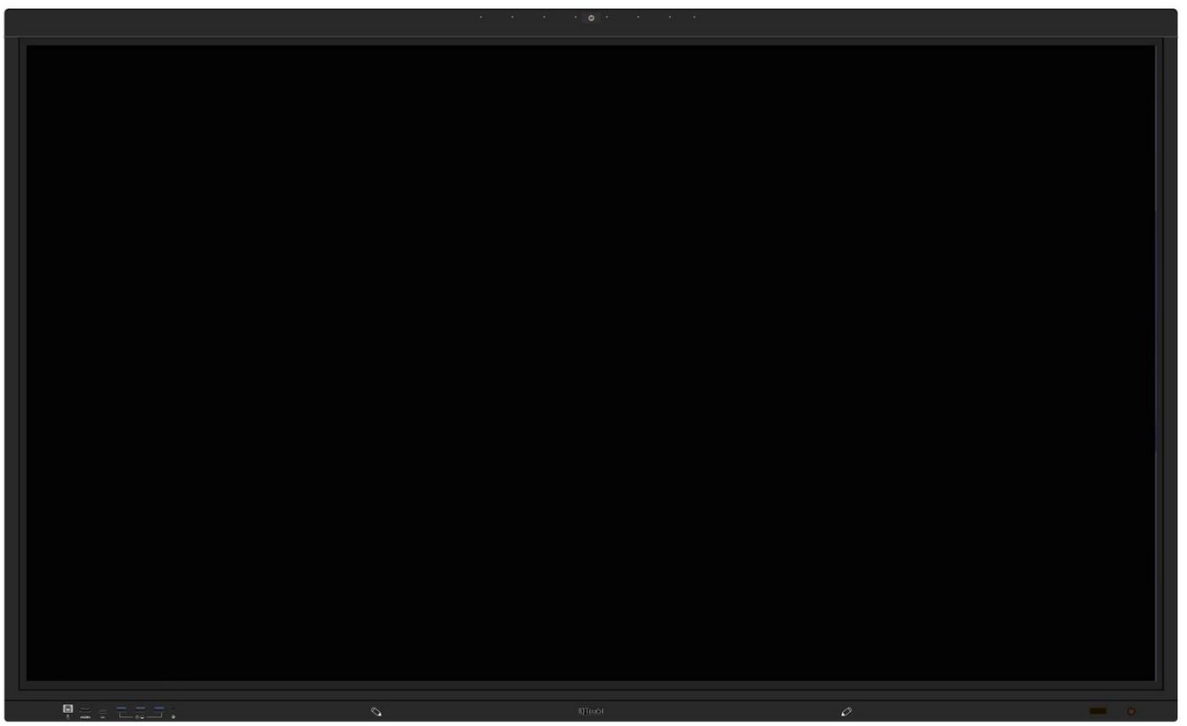
Side Interface

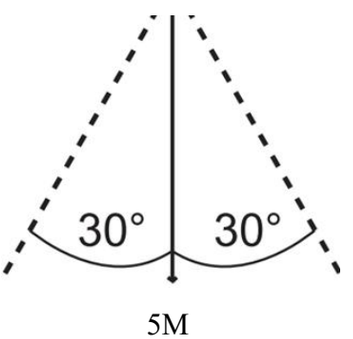


5.Remote Control

Button	Function Description
⏻	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

6.Remote Control Area



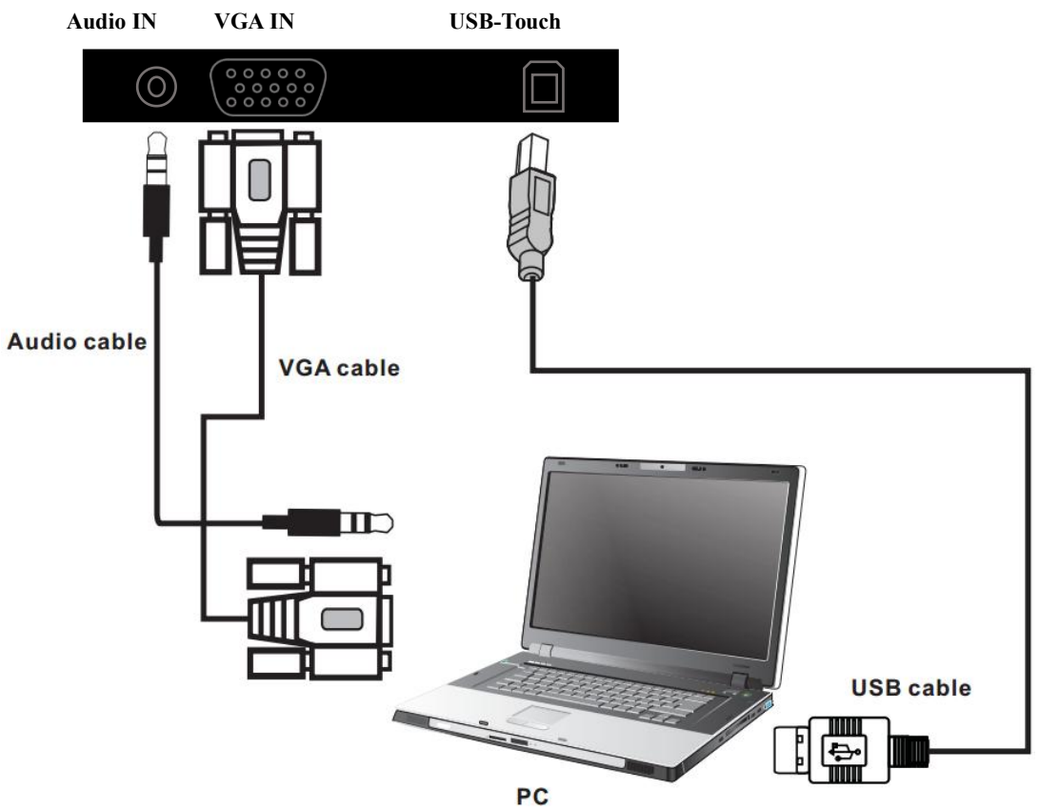


The effective receiving area is about 3 meters with 30° angle from vertical point to the left and right. And the effective receiving area is about 5 meters from the front of device. Note that the remote control signal receiver locates at the position of power indicator.

7. Connecting and Setting

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

7.1 External Computer and Touch Connecting

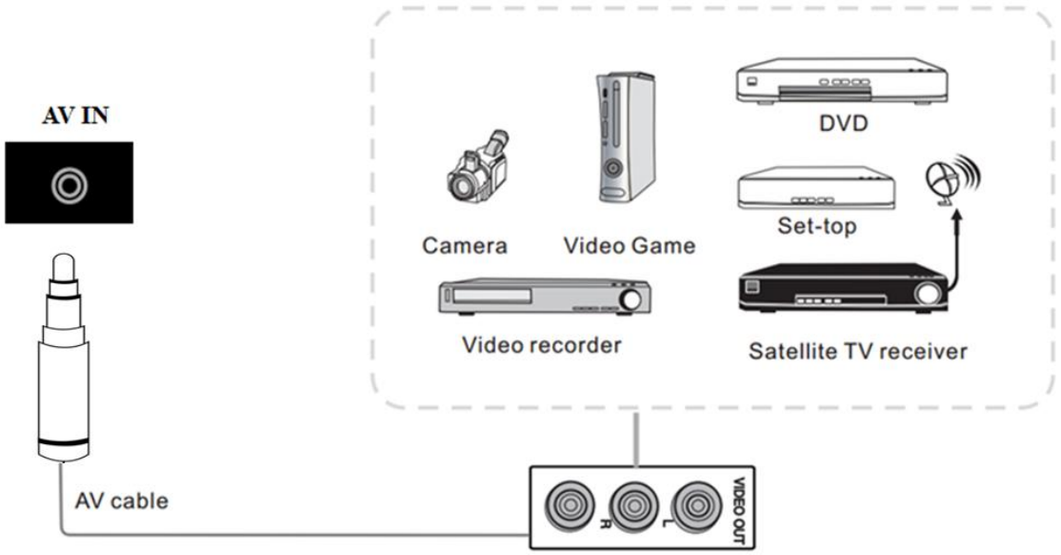


1) Connect a VGA cable (15 pin) between the VGA and external PC. Connect an earphone cable between the PC and audio at the same time.
2) Connect a USB cable between the external PC and USB terminal.
3) Plug the POWER cord and switch it on from the rear panel.
4) Start up the external computer.
5) Press ⏻ 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.

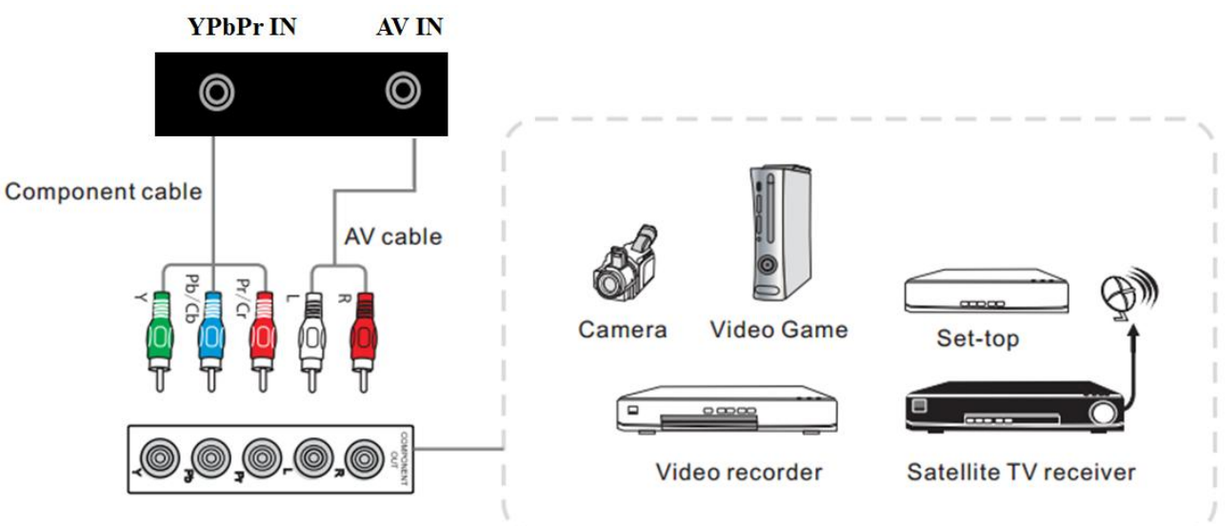
7.2 AV Connecting

- **AV IN**



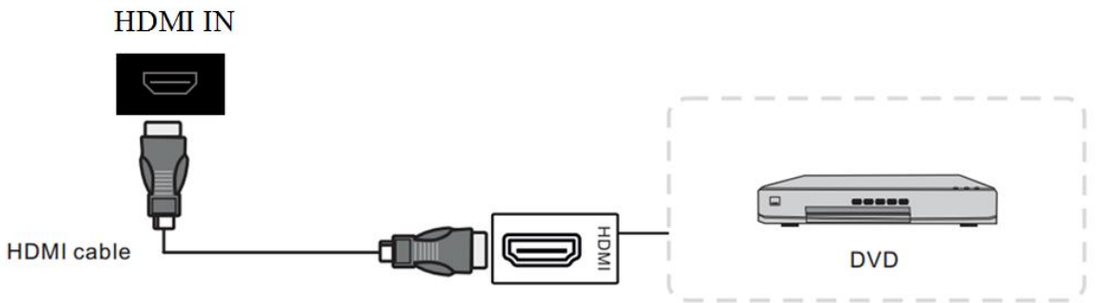
1) Connect an AV cable with the device with AV-OUT (Yellow is Video, Red is Audio-R, White is Audio-L).
2) Plug the POWER cord and switch it on from the rear panel.
3) Press ⏻ to turn on the panel.
4) Select Signal source to AV IN source.

- **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.

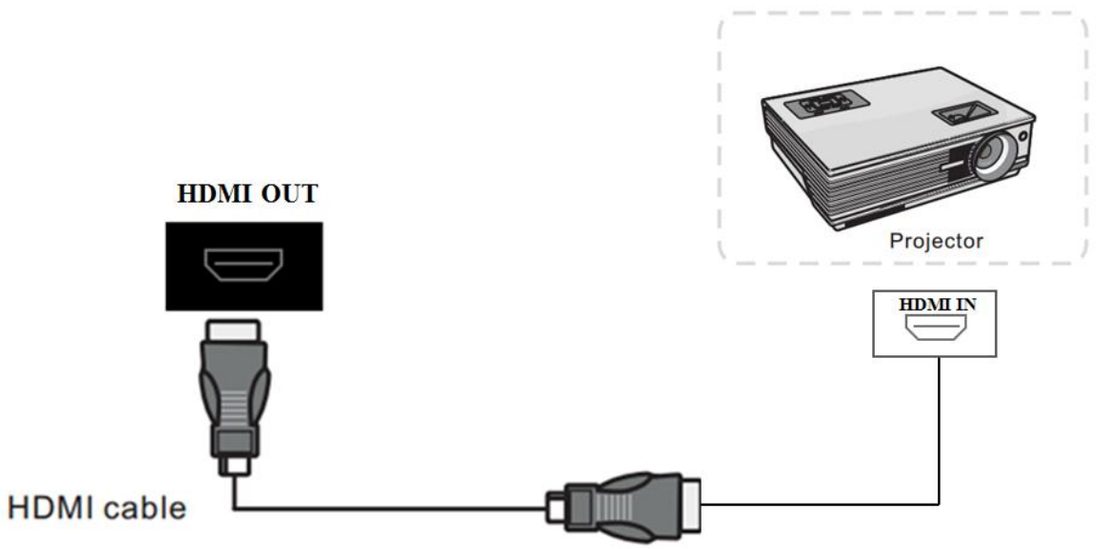
- **Front HDMI/ HDMI 1/ HDMI 2**



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.

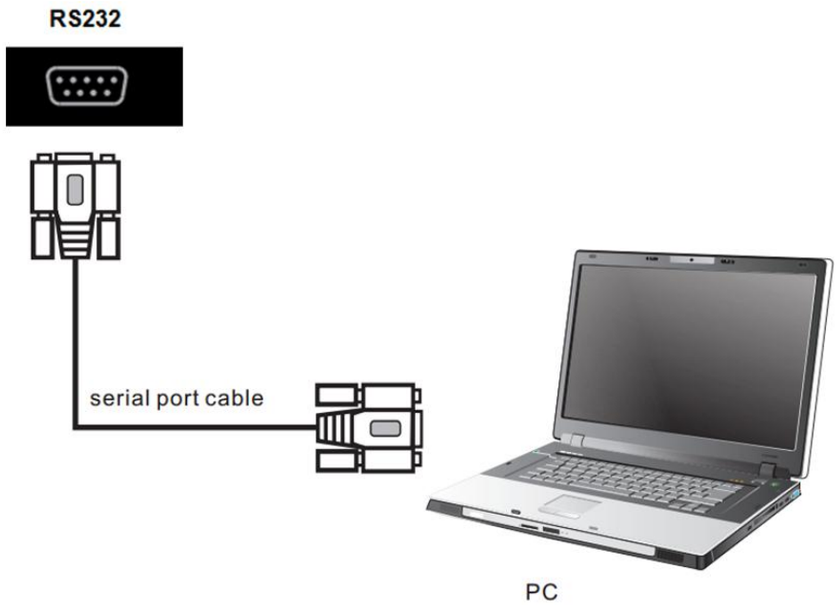
7.3 Video-OUT

- **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.

7.4 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.

RS232 code list

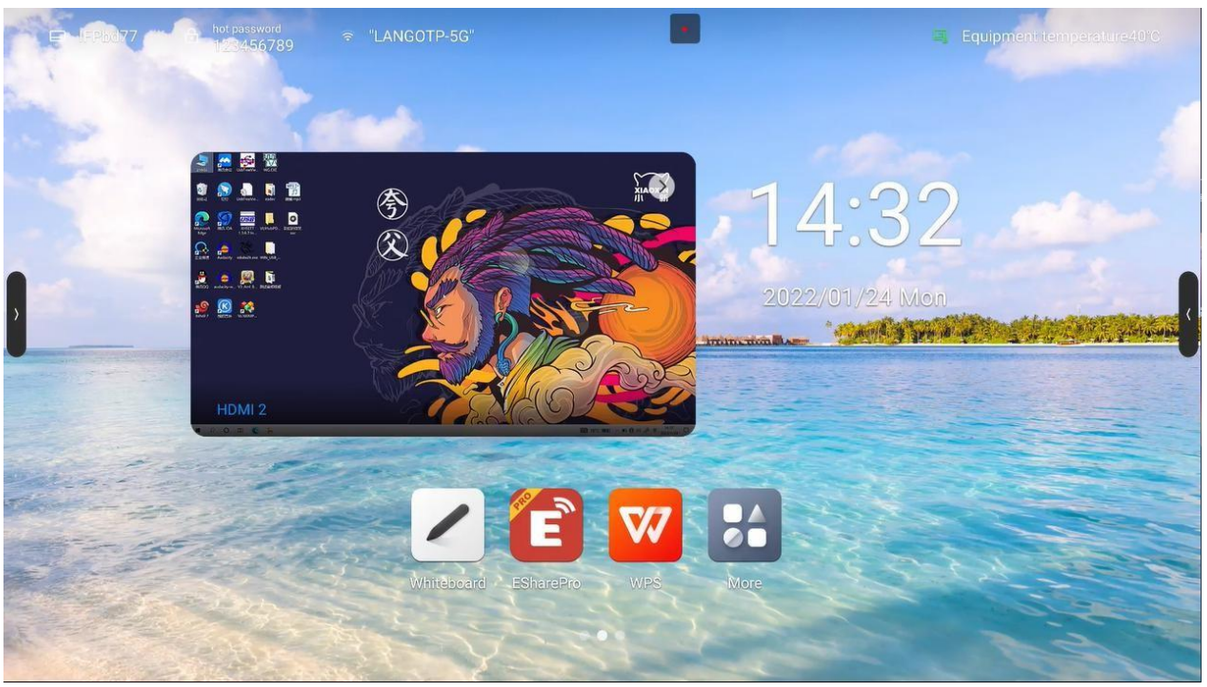
RS232 Code for Android Firmware	
16-byte command, baud rate 115200 **Start code 99, client code 23, function ID code, device ID code (generally 01 without special instructions), check code + function ID code = FF, end code AA**	
Function	**Required Commands(Hex)**
Power ON	FE 08 58 42 48 43 4D 44 01 F0 CF
Power OFF	FE 08 58 42 48 43 4D 44 01 F1 CF
Sleep mode	FE 08 58 42 48 43 4D 44 01 F2 CF
Exit sleep mode	FE 08 58 42 48 43 4D 44 01 F3 CF
Obtain power status	FE 08 58 42 48 43 4D 44 02 08 CF
Restart	FE 08 58 42 48 43 4D 44 01 43 CF
Android system restore (Factory Reset)	FE 08 58 42 48 43 4D 44 01 44 CF
Android system upgrade	FE 08 58 42 48 43 4D 44 01 45 CF

Obtain the Android version	FE 08 58 42 48 43 4D 44 02 21 CF
Obtain software model name of the motherboard	FE 08 58 42 48 43 4D 44 02 27 CF
Obtain the license of the device	FE 08 58 42 48 43 4D 44 02 28 CF
Obtain the temperature of touch screen	FE 08 58 42 48 43 4D 44 02 33 CF
Language setting	FE 09 58 42 48 43 4D 44 03 0F XX CF
Obtain language	FE 08 58 42 48 43 4D 44 02 0F CF
Obtain the current channel	FE 08 58 42 48 43 4D 44 02 39 CF
Signal source	FE 08 58 42 48 43 4D 44 01 11 CF
ATV	FE 08 58 42 48 43 4D 44 01 01 CF
DTV	FE 08 58 42 48 43 4D 44 01 02 CF
HDMI 1	FE 08 58 42 48 43 4D 44 01 03 CF
HDMI 2	FE 08 58 42 48 43 4D 44 01 04 CF
HDMI 3	FE 08 58 42 48 43 4D 44 01 05 CF
HDMI 4	FE 08 58 42 48 43 4D 44 01 06 CF
HDMI 5	FE 08 58 42 48 43 4D 44 01 07 CF
HDMI 6 (OPS)	FE 08 58 42 48 43 4D 44 01 08 CF
DP	FE 08 58 42 48 43 4D 44 01 09 CF
Computer VGA 1	FE 08 58 42 48 43 4D 44 01 0A CF
Computer VGA 2	FE 08 58 42 48 43 4D 44 01 0B CF
Color difference	FE 08 58 42 48 43 4D 44 01 0C CF
Video	FE 08 58 42 48 43 4D 44 01 0D CF
Front HDMI 1	FE 08 58 42 48 43 4D 44 05 02 CF
Front HDMI 2	FE 08 58 42 48 43 4D 44 05 03 CF
DP 2	FE 08 58 42 48 43 4D 44 05 04 CF
TYPE-C	FE 08 58 42 48 43 4D 44 05 05 CF
TYPE-C 2	FE 08 58 42 48 43 4D 44 05 06 CF
Set the default channel for restart	FE 09 58 42 48 43 4D 44 03 0B XX CF
Obtain the default channel for restart	FE 08 58 42 48 43 4D 44 02 0B CF

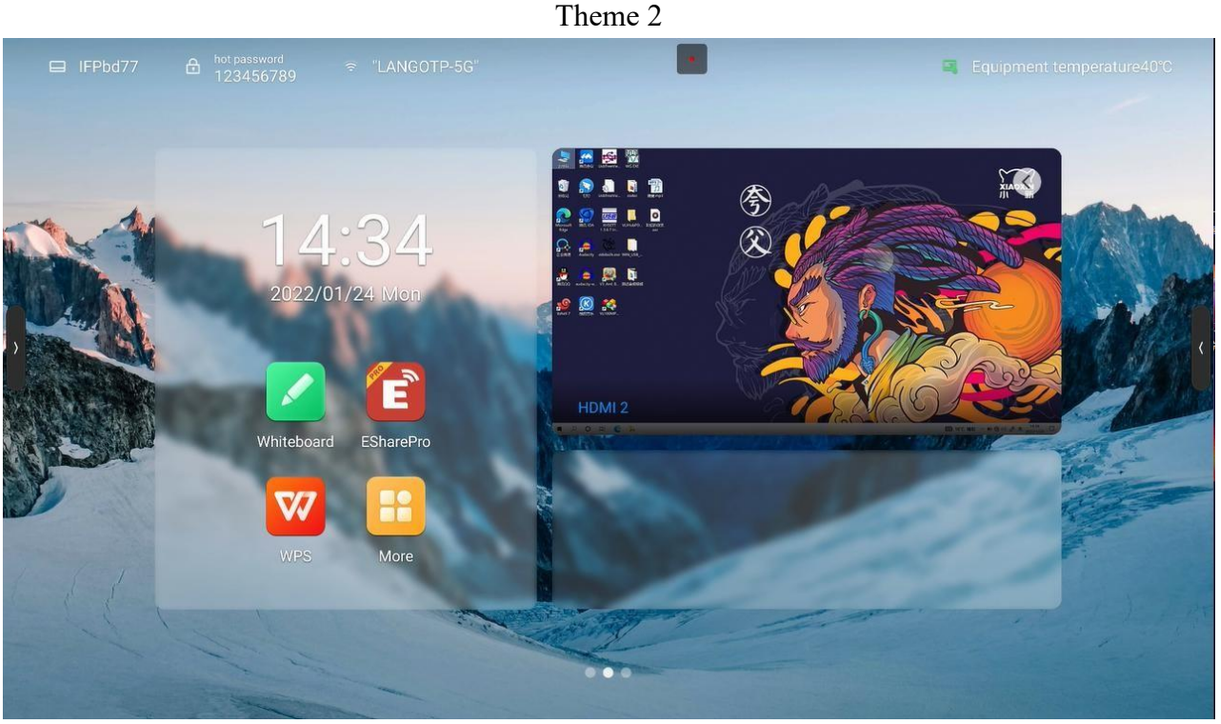
8.Android Home Page

Enter the Android interface by default after power on. There are two themes can be set, as shown in the figure below:

Theme 1



Theme 2



8.1 Introduction of page elements

- **Wallpaper:** You can switch theme, custom background, and rotation wallpaper in systemsettings--General-Personalization;
- **Time:** Long press to open the system settings, can set date,time and formats manually;
- **Countdown:** Long press to open the prompt setting, can set the countdown, famous sentencecontent, or hide the prompt;
- **Application icon:** Click to enter application;
- **Source preview:** Preview the preset singal source , like OPS.Click the selection button at the bottom of the singal source preview interface to set the source; click the interface section to turnto the corresponding source page; click the "arrow" in the upper right corner to fold the source preview interface.

8.2 Status bar

The top status bar displays the device name, WiFi-AP name, network status, device temperature and user exit; described as below:

- **Device name:** Display the name of the current device, associated with hot spot name, screen share device name, Bluetooth name ect.; users can modify it in the settings- -system setting
- **Hot spot password:** Display hot spot password when it is opened; hot spot can be set in settings--network --hot spot
- **Network status:** Show the current network and network status
- **Device temperature:** Temperature detection, real-time monitoring of the whole machine temperature, users can turn on / off this function in System settings-System-Power state):
    1) When the temperature <65℃ is in the normal temperature range, the text display as green;
    2) When 65℃ ≤ temperature <85℃ the temperature is high, the text display as orange,will remind you to shut down;
    3) When the temperature ≥85℃ the temperature is too high , the text display as red, to protect the device, it will forced shutdown after 5 seconds.
- **User exit:** Click to exit the current user and enter the user selection page; users can set in the settings- -system- -multi-user;

8.3 Sidebar

The sidebars are divided into left sidebar and right sidebar. Opening mode: Slide out from the left and right edges to the middle or click the expansion button on the left and right sides to expand the sidebar; 10s without operating in the sidebar will be folded away automatically .

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

- **Back**

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

- **Home**

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

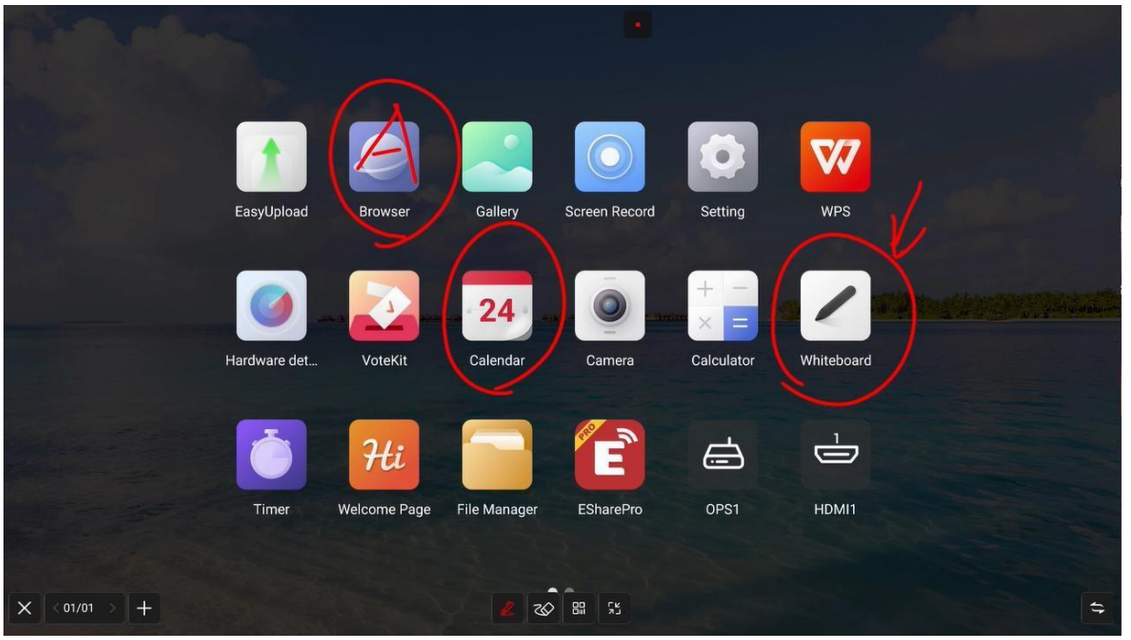
- **Multi-task**

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

- **Annotation**

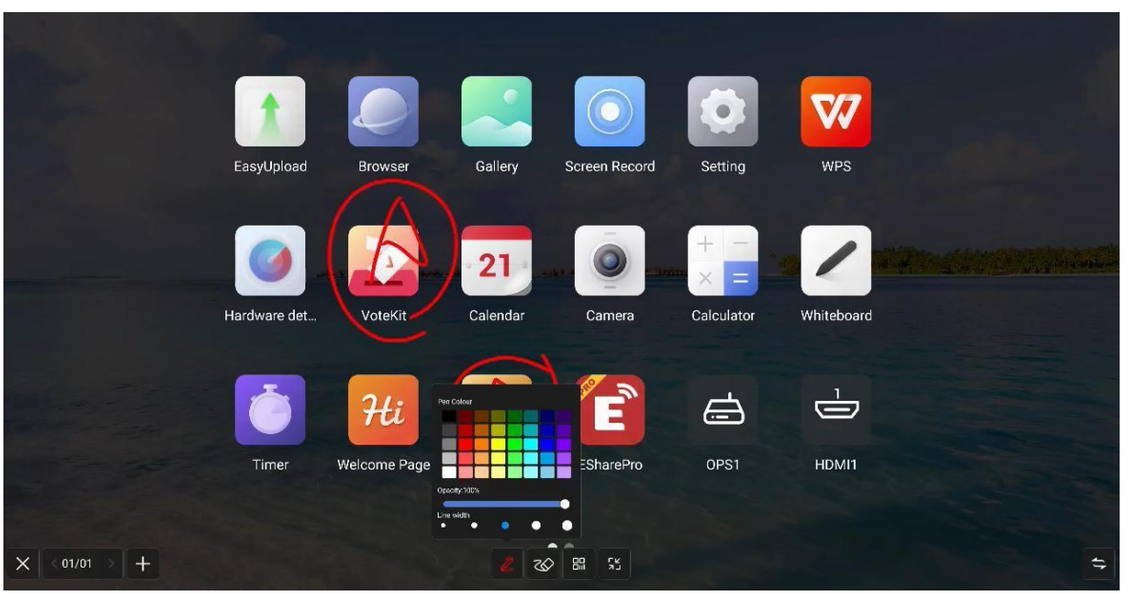
Enter the annotation mode, please refer to the "annotation function"

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



Pen

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



Erase

Same as whiteboard classic pattern erase

Scan share

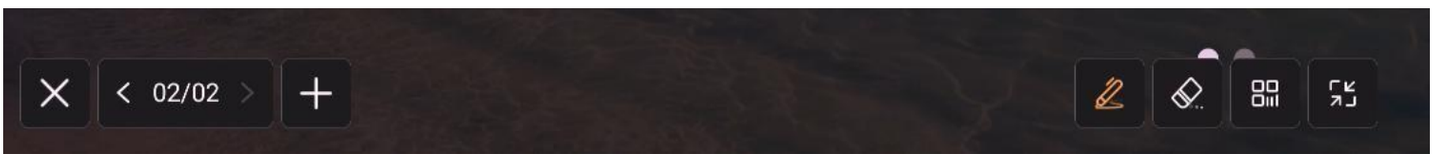
click on "Scan" in the Menu panel to show the QR code page,user can downlaod picture and file by scaning QR

code;password settings are optional;support local LAN and external network sharing, users can choose the default mode in the system settings;click on "Encrypt" above the QR code to generate a digit-password, user need to enter the password to get the content.

Minimization

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

Your previous annotation can be viewed in page management, page management function same as whiteboard，refer to 9.3 page management



Close and Save

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

● Control panel

Click the control panel icon to ecpand the display control panel on the current page.The control panel consists of three modules : ShortcutTools,“VOL&BRT”, and Application list；

Shortcut Tools

1) Ethernet network:Click to turn on/off Ethernet network
2) Wireless network:Click to turn on/off Wireless network
3) WLAN WiFi-AP :Click to turn on/off WLAN WiFi-AP
4) Timer:Click to turn on/off Timer
5) Screenshot:Click to open the screenshot , while the sidebar will automatically hide
6) Intelligent eye protection: Click to turn on / off, reduce the screen blue light that damage to your eyes

7) Touch sense:Click to turn on / off,when turn on, the screen brightness drops by 30% during touch, and the brightness recovers after 5s without touching to reduce the glare of the brightness during operation or writing

8) Energy saving:Click to turn on / off,when turn on, the screen brightness is set to 25and turned off the auto brightness. If you adjust the brightness manually or turn on the auto brightness, the energy saving mode will automatically turn off

9) Child lock (Touch Lock): When opening the child lock , touch screen function is unavaliable, the child lock icon display on the upper left side of the interface, and the method of unlocking is as follows:

A. Use the key board and press V-, V-, V+, V+ in turn continuously

B. Use the remote control and press V-, V-, V+, V+ in turn continuously

C. Child lock (Touch Lock) file:

a. New text document

b. Enter U2FsdGVkX18v36IHH2OloQYdlbG+Y18YkDs9R1ACvSE=

c. Name the file usb_child_key

d. Delet the file suffix name.txt

e. The character is UTF-8

f. Saved and place it in the root of U disk

g. Insert the U disk to unlock it in child lock mode

10) Screen lock:Click to lock screen , the screen unlock mode can be modified in [System Settings]

11) Channel Setting: under the channel, click to open channel settings to set image scale, VGA image adjustment (under the VGA channel), and HDMI EDID version (under the OPS、HDMI channel)

Quick Setting

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

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

1) Volume control: Slide to control the volume;

2) Brightness adjustment:Slide to adjust the screen brightness, the brightness can not be adjust manually when in energy-saving mode;

Application list

To display all the application, click to open application, press the application with the Apps marked in blue, you can open the application in the small window;

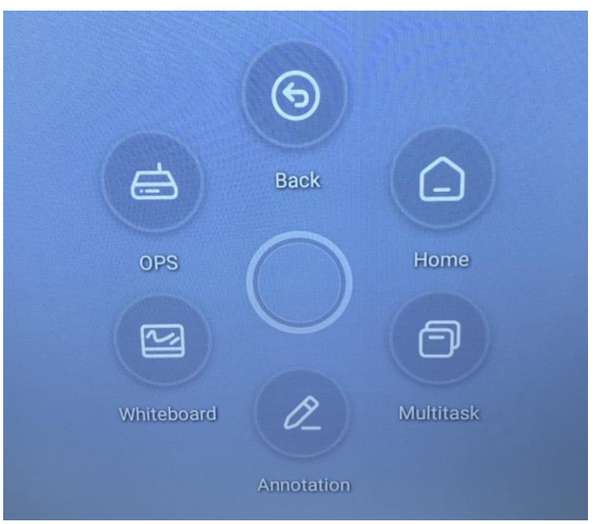
- **Signal source**

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

8.4 Compass

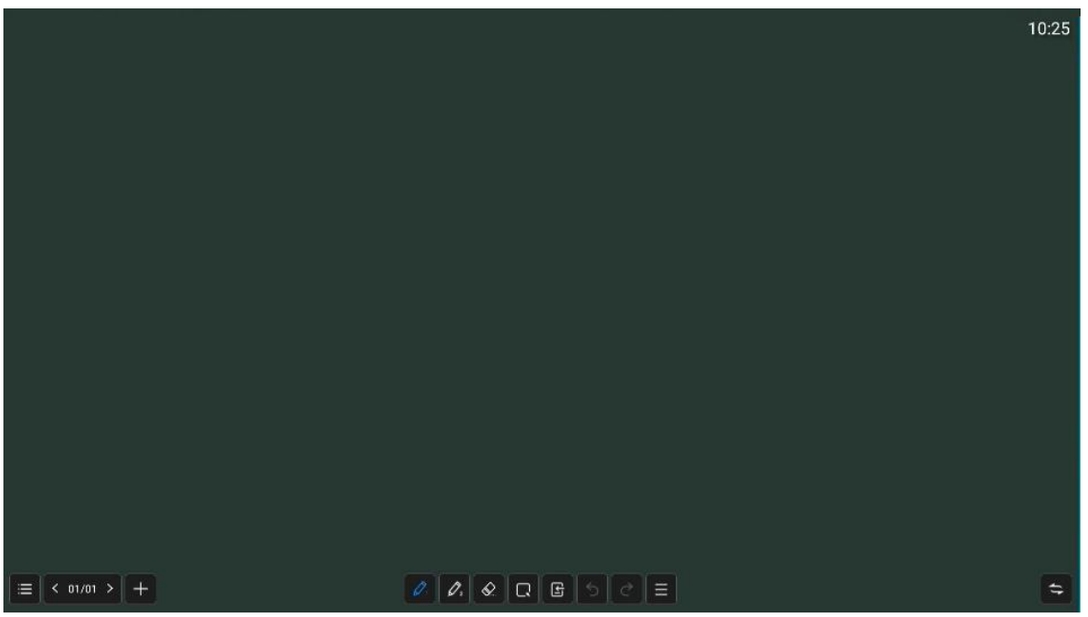
The compass is a shortcut for the users, and the basic operation is as follows:

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

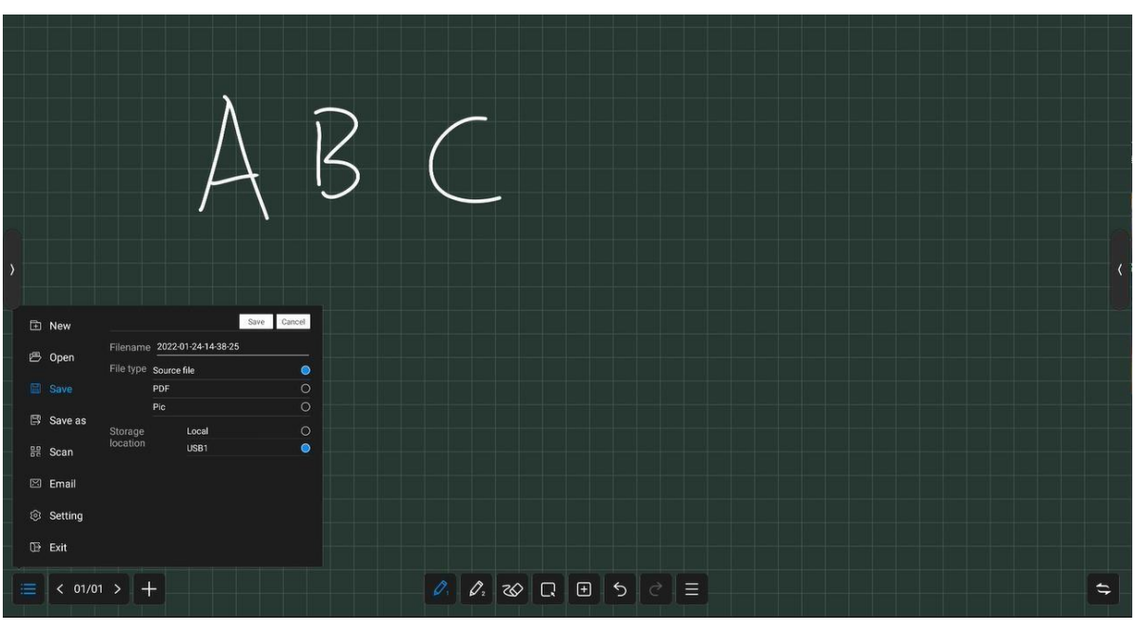


The Compass consists of 6 functions modules, among which the Back, Home, Multitask are the default functions , and the others can be customized, you can set up common functions depend on your preference , the specific operations: Setting-- Personalization -- Compass.

9. Whiteboard App



9.1 Menu



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

- **New:** Click on “New” to create a new whiteboard,then the current document is closed;there will a prompt if the current document is not saved;

- **Open:** Enter the File Manager can see all the whiteboard file ,click to open the file;there will a prompt if the current document is not saved;
- **Save:** Click on "Save" to save the current document,you can customize file name,select storage path and file save format;
- **Save as:** Save the current whiteboard file as another whiteboard file,you can customize file name,select storage path and file save format;
- **Scan:** Click on "Scan" in the Menu panel to show the QR code page,user can downlaod picture and file by scaning QR code;password settings are optional;support local LAN and external network sharing, users can choose the default mode in the system settings;click on "Encrypt" above the QR code to generate a digit-password, user need to enter the password to get the content.
- **Email:** Send contents on the current whiteboard by email to a specified user, you need to preset the sender mailbox.
- **Exit:** Click on "Exit" to exit the whiteboard and close the page and process; the user is prompted to save the file if the current document is not saved.

9.2 Setting

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

- **Multi-finger writing:** Click to switch on/off;when tnrn on, open multi-finger writing mode,can write by 20 people at the same time, when turn off, open single writing mode,
- **Paintbrush style preset:** Set the default paintbrush style when entering the whiteboard,set the color, thickness, transparency, and paintbrush style;
- **Background setting:** Set the default background style when entering the whiteboard, you can select the background color and gridline style ;
- **Email settings:** Set up the sender mailbox, which is the sender mailbox when sending a whiteboard file;

9.3 Page Management

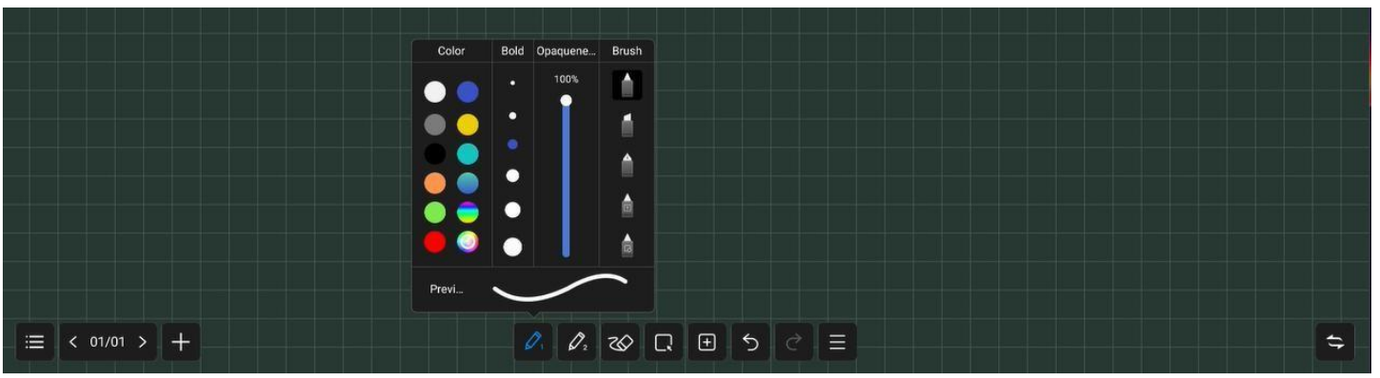
Page management is mainly to manage the pages of each whiteboard,including:

- **Page up:** Click to switch to the previous page of the current page, not clickable on the first page;
- **Page down:** Click to switch to the next page of the current page, not clickable on the last page;
- **Current page:** When is shown as 5/8, the preceding number “5” indicates the current page, and the following number“ 8” indicates the total number of pages;click to view all page thumbnails;you can delete

pages or move the page order on the thumbnail;

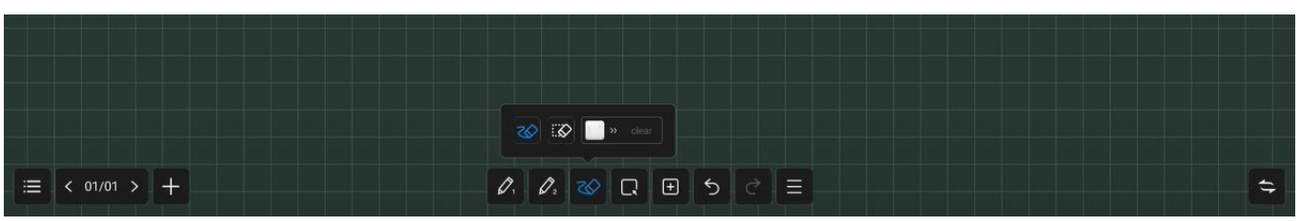
- **New page:** Click to insert a new page after the current page, and jump to the new page.

9.4 Paintbrush



- **Paintbrush 1 and 2:** There are two paintbursh: paintbrush 1 and 2,click one to use,click again can change the brush style;
- **Color:** Preset 9 single colors and 2 gradually changing colors,click to select and effected;brush color can also be customized by the user, click and choose your favorite color;
- **Thickness:** Preset 6 brush sizes,click to select and effected;
- **Transparency:** Paintbrush transparency can be adjusted between 6%-100%;
- **Paintbrush style:** There are three kind of paintbrush style,normal brush,marker pen and pen,also have two intellgent brush with function of character recognition and pattern recognition , selecte it then you can convert your handwriting into printed text and pattern;

9.5 Erase



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

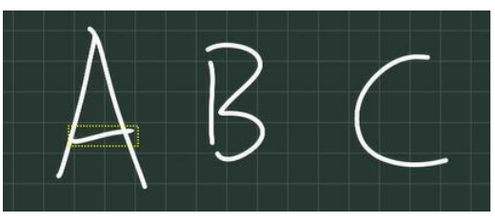
- **Circle Eraser:** Handwriting in the closed-circle can be cleared with just a touch.

- **Circle to delete:** Cross the brush with the object to delete. Strokes that cross or fall within the final circle will be deleted.
- **Slip Clean screen:** Swipe "Clear Screen" to clear all the handwriting on the current page.

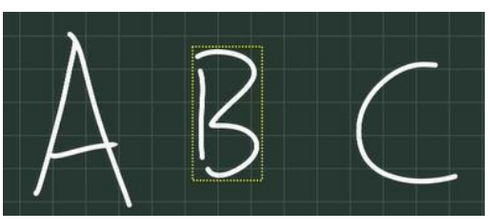
9.6 Select

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

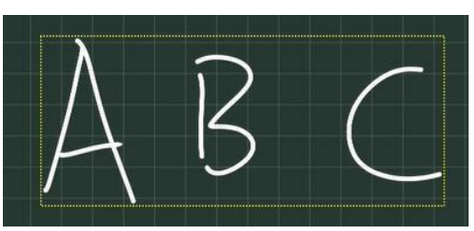
Click the selected element



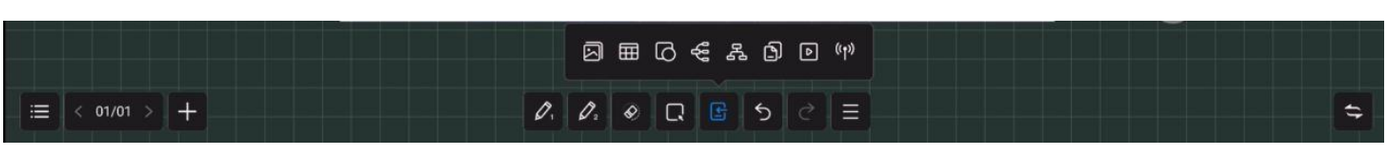
Select the element through which the shape passes



Select the element within closed shape



9.7 Insert



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

- **Picture:** Enter the file manager-picture page,click the picture to insert ; you can select or multiselect (up to 10) pictures then insert to the whiteboard.
- **Table:** Click the table icon,select number of the table rows and columns, click OK to insert the table to whiteborad.Use the brush to enter content in the table, table width and height automatically adapt to the brush size; use the selection tool to select the table,and add or delete rows and columns, can also use the brush tool to draw the horizontal or vertical line in the same row or column through the table to add row or column, similarly, use the brush tool to draw "Z" lines in the same row or column through the table to delete rows or columns;
- **Shape:** Click and select the shape that you want to draw, and then drag the brush in the whiteboard to draw the shape;
- **Mind map:** Click the mind map to insert the subject into the middle of the whiteboard automatically; use the selection tool or double-finger click to select and edit the subject ;
- **Document:** Click the document insert,then enter the File manager-Document page, you can choose PPT, word, PDF file to insert, in WPS free window mode;
- **Video:** Click the document insert,then enter the File manager-Video page, choose video to insert,in media player free window mode
- **Signal source:** Click to select the signal source that supported by the device, and the unaccessed sources are in gray and uninsertable;

9.8 Undo and Redo

Undo: Click the Undo button to cancel the most recent step, and support up to 20 steps
Redo: Click the Redo button to resume the previous undo operation

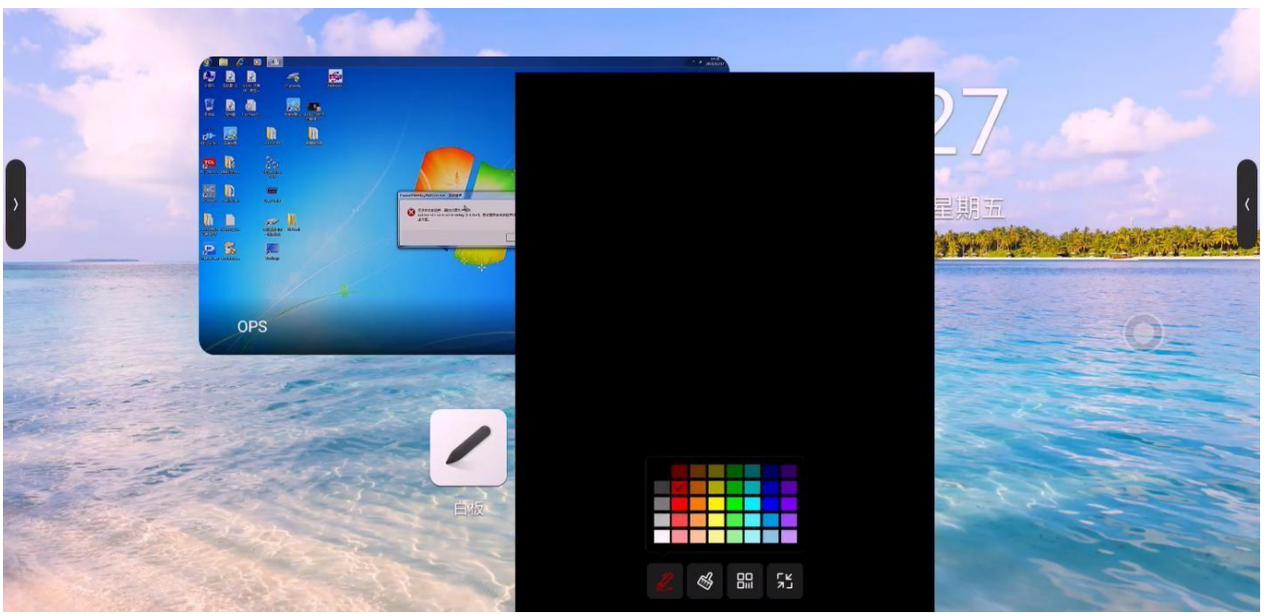
9.9 More

The More fuction provides multiple apps' invocation,including:

- **Browser inserts picture:** Click to open the Google or Baidu , enter the keywords then click , long press the picture which you want to add from the search results page,then insert to the whiteboard;

- **Vote:** Used for voting in meeting;
- **Timer:** Used for timing in meeting;
- **Quick Transfer:** Transfer file from mobile to the screen,and insert to the whiteboard;

10.Mini Whiteboard

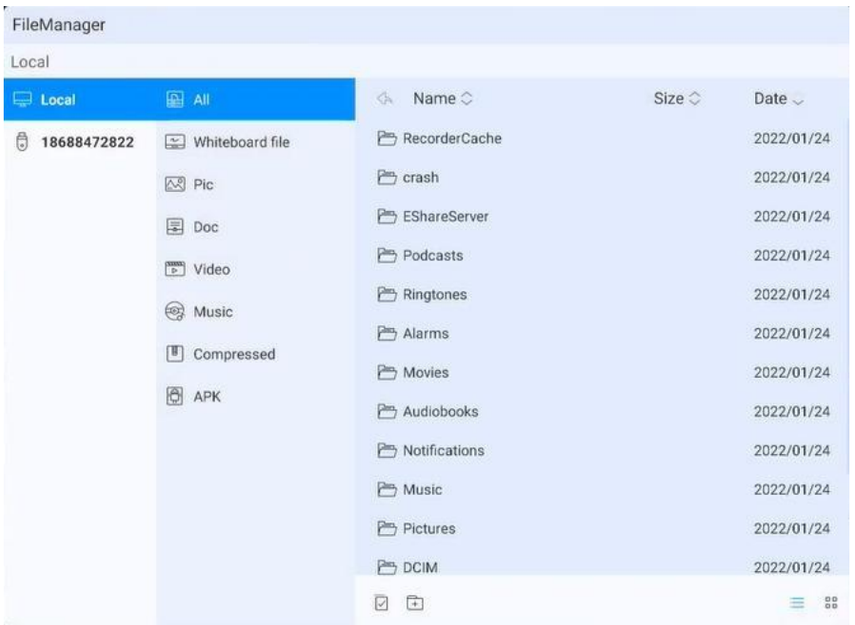


Swiping up from the bottom of any page, can quickly slide out the mini whiteboard and write quickly;
basic features include:

- Paint Bursh: You can choose the color and write fast;
- Erase :Same as whiteboard erase，see 3.1.5 Erase
- QR code：Click scan code to generate web link QR code, you can use mobile scanning QR code to obtain whiteboard content (picture format);You can open encryption, scan code after entering the generated password to obtain content
- Minimization: Click or multi-fingers slide down to fold up whiteboard;

11. Applications

11.1 File Manager



Introduction

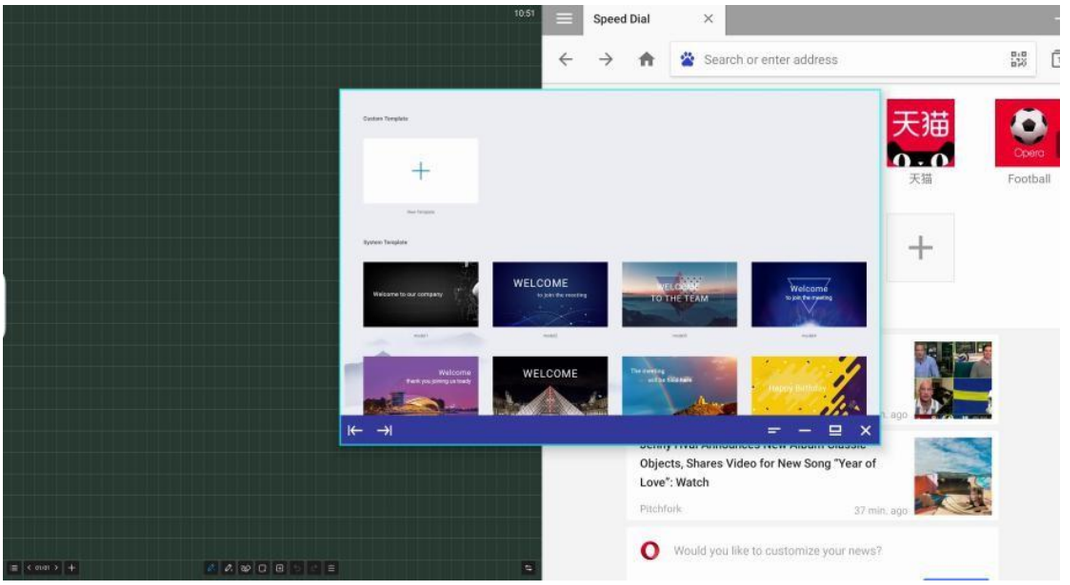
File manager can view files within local and external devices of the system, providing two forms of viewing

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

Common function

- Opening file: Find the file that you want to open then click
- Selecting file: Click on the bottom-left corner of the file list page, selecte the file, replication, cutting, delete, and other operations are supported;
- New folder: Click on the bottom-left corner of the file list pageto new a folder;
- Form: Click on the two icons in the lower right corner to switch between tile and list;
- Order: Click on the top of the file list to organize by file name,file size and file time;

11.2 Multi-window



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

Opening Multi-Window

Users can open multiple users in two ways:

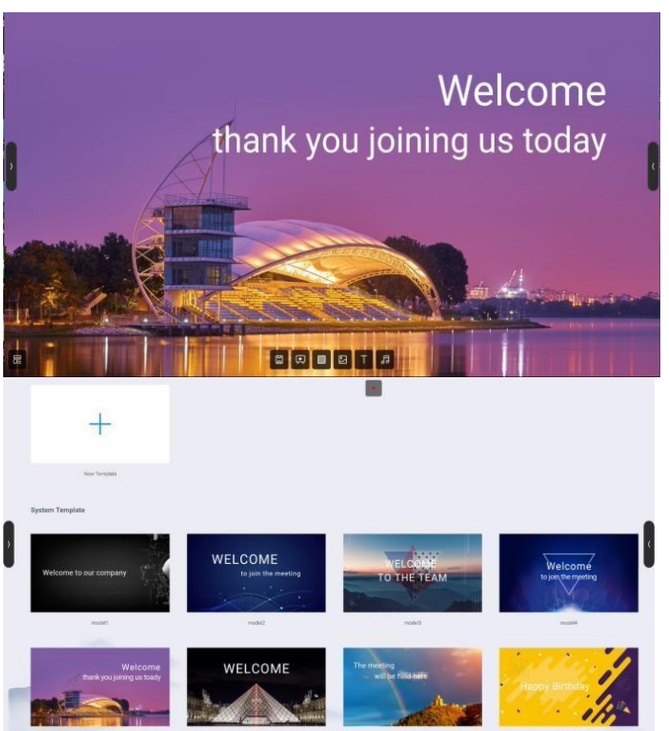
- On the menu screen,long press an app icon to pop up a management window, opting for a 'free window' to open your app.
- In the sidebar app management, users can directly access apps in free window mode by long pressing and clicking on them.
- When using the app, use five fingers snap together in the middle of the screen, users can quickly enter the free window mode.

Multi-Window Operation

- After opening multi- windows,you can click the corresponding window to select it at the bottom of the apps, and perform the following operations on it.
- Dragging: You can move a free window by pressing and holding the control bar at the bottom of the screen;
- Scaling: Select, press on the edge of the free window and drag to scale the width and height of the window, and click on the corner to scale the width and height at the same time.

- Left and right edge scaling: Tap the scale button on the left side of the control bar to scale an app by the left/right side of the screen. Operating two applications at the same time can achieve left and right split screen;
- Restoring the original size: Click the Restore icon on the right side of the control bar to restore the window to its original size.
- Minimization : Click the Minimize icon on the right of the control bar to fold up the app, which can be found in multitasking.
- Maximization: Click the Maximization icon on the right of the control bar to apply a full-screen display.
- Close: Click the close icon on the right of the control bar to close the current application.

11.3 Welcome page



Multiple templates is built in the welcome page.You can click to enter. Users can modify and save the template as a new one. After entering the template page, users can modify the background, text, music, etc., after the setting, click the button ‘play’ to display;

11.4 Screen recording

1)Click the application icon to enter the application, and the application will open in a small window.

2)Click , you can start recording, start timing and recording screen; Clicking again can pause timing and screen recording ;

3)Click to end screen recording, and the saving option pops up;

4)Click to minimize the application, fold up the screen recording function and display it as a square dot;

5) Click to close the screen recording. If the screen recording is in progress, it will prompt you to save;

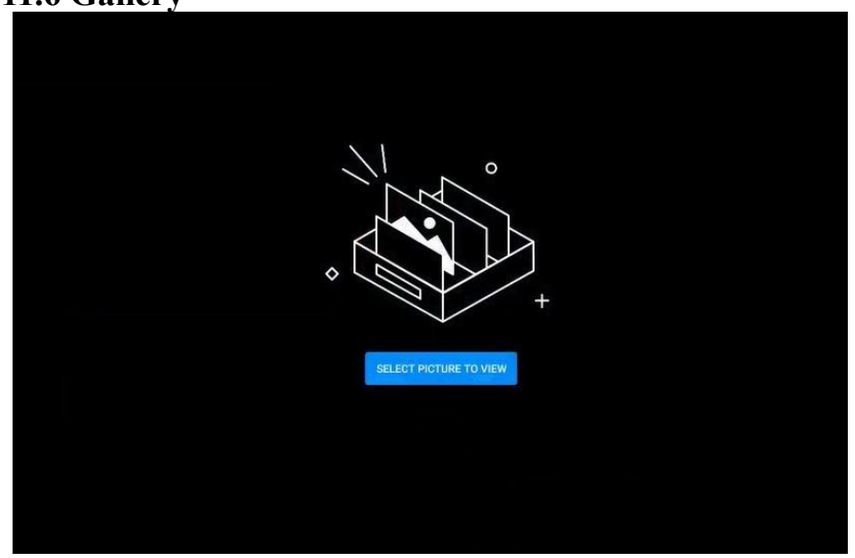
11.5 Screen shot

Screenshot can quickly capture and save the screen content ;

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

- Click in the right corner to close the screenshot function;
- Click in the right corner to confirm the screenshot and prompt to save;

11.6 Gallery



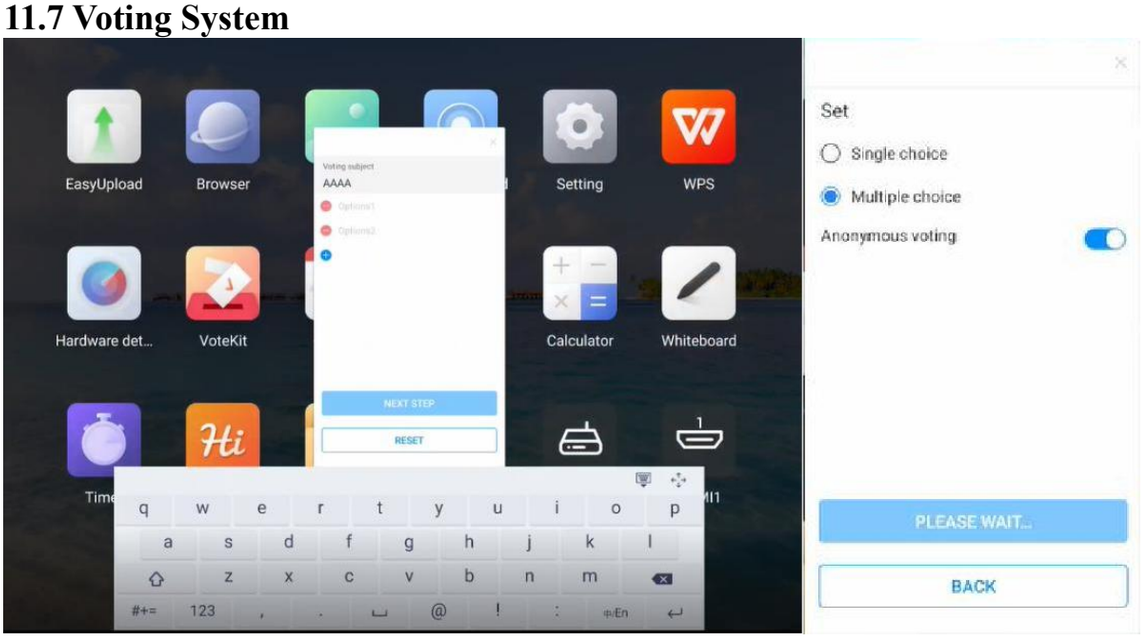
1)Click the application icon to enter the app; Or select the picture in the folder to open, enter the application;

2)App renders image preview and navigation;

3)Slide left and right to turn pages for display;

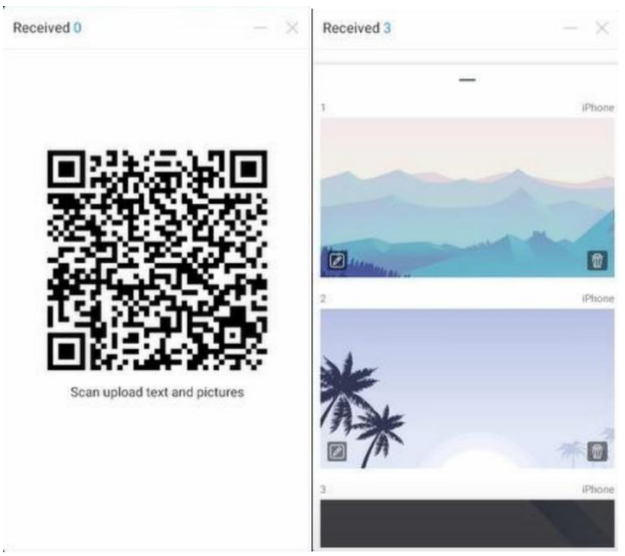
4)Click the control bar at the lower left corner, you can do the previous page, next page, flip, rotation and other operations on the picture

11.7 Voting System



- The voting device can be used only with network support. If there is no network, this function is unavailable.
- Click the app icon to enter the app.
- Display the voting theme and option setting page, click the input box to invoke the keyboard input;
- Click "Reset" to clear options and themes; Click ‘Next’ to set single/multiple, anonymous/real name requirements;
- Click "Start voting" to present the QR code of voting. Participants can scan the code to vote and the voting results will be updated in real time;
- Click "End voting", the voting ends, the QR code lose efficacy, the voting page is closed; Present the poll results;
- Click ‘Save’ to save the voting result; Click "Place whiteboard" to insert the voting results into the whiteboard display.

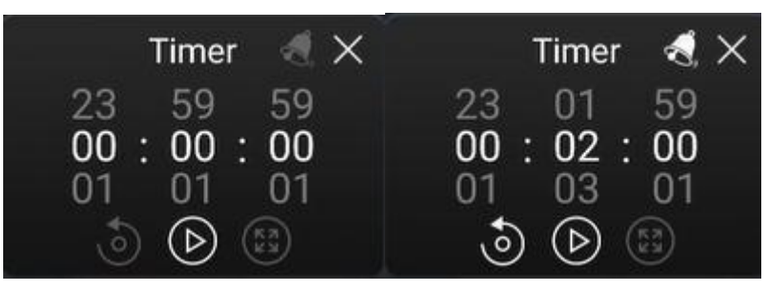
11.8 Easy Upload



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

- Click the application icon to enter the app;
- Scan theQR code on the screen with your mobile phone to enter the page of easy file uploading;
- Select the local picture or input the text content on the mobile terminal and click Addto enter the uploading and sending process;
- After uploading successfully, the machine will display the recently uploaded picture or text content;
- Click the "Insert whiteboard" icon in the lower left corner of the content to open the whiteboard and place the selected picture into the whiteboard;
- Click the "Delete" icon in the lower right corner of the content to delete the currently selected picture or text;
- Click the "Minimize" icon in the upper right corner of the application box, and the easy upload application will be minimized . After the application is minimized, it will be displayed at the top of the page in the form of floating window;
- Click the "Close" icon in the upper right corner of the application box to close the easy upload app. After closing the app, all uploaded content will be cleared and no local saving will be performed.

11.9 Timer



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

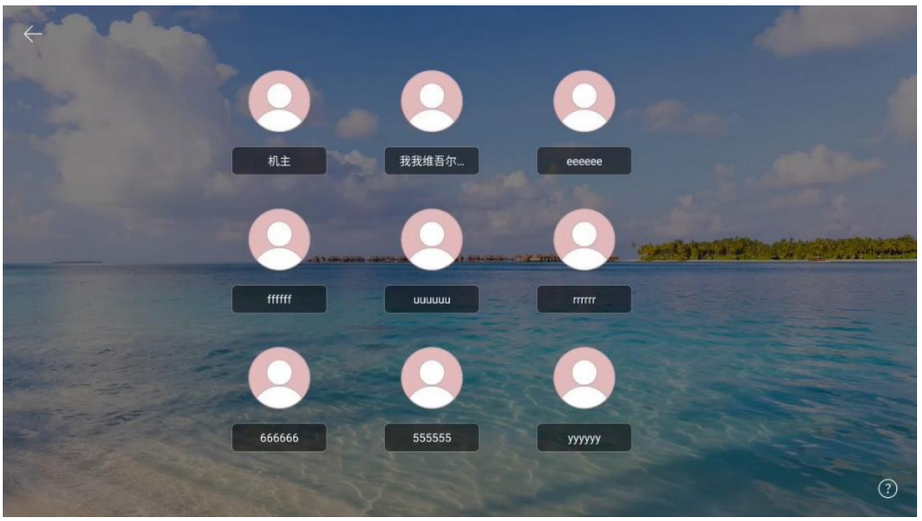
Stopwatch

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

Countdown Function

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

12. Multi-user



In order to solve the multi-purpose scenario of IFPD, the multi-user function is proposed; Multiple users have three permissions: primary user, common user, and visitor. Each device has a primary user by default. The primary user can access Settings, System, and User to create and manage user accounts.

Add and enter multiple users

(1)Under the main account, enter the Settings -- System -- User, and turn on the multi-user switch to add a user;

(2)Click "Add User" to enter the page for adding a user;

(3)Type-in the user name, role and password to complete the creation;

(4)After the addition, click "Exit current user" in the Launcher to enter the user switching page;

(5)Select the user and input the password to enter the corresponding user management.

Multi-User Management

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

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

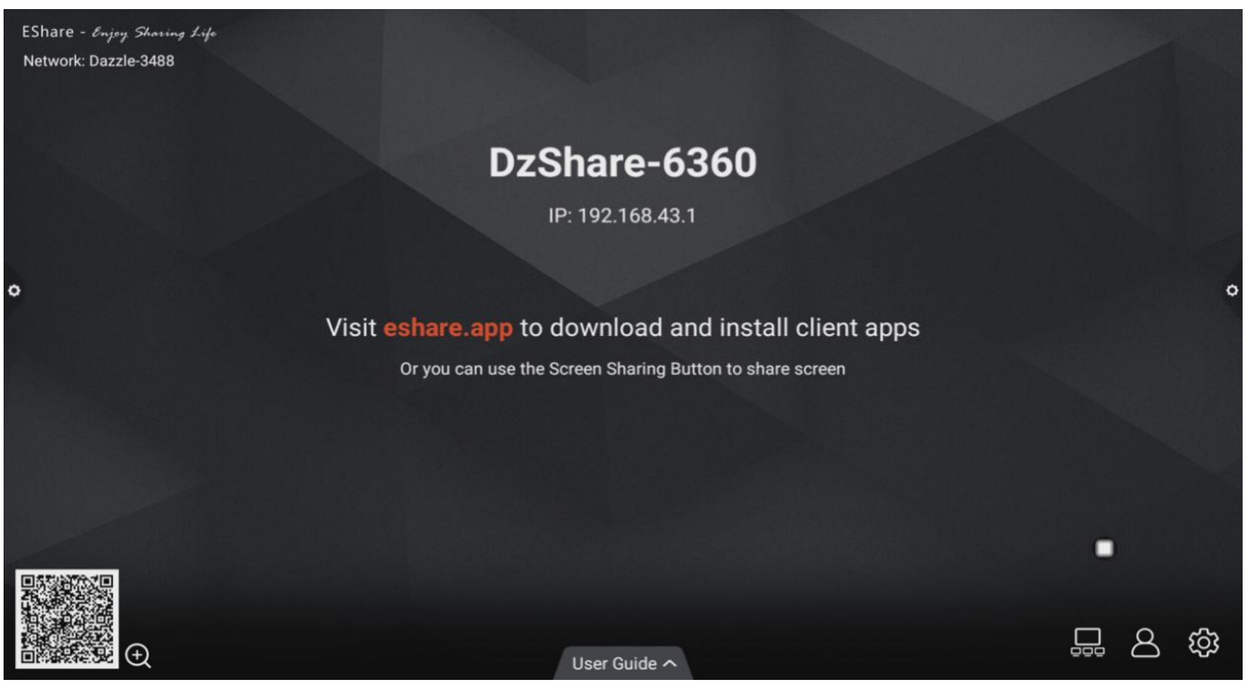
13.Multi-screen Interaction

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).

Operating instructions

1. Click (multi-screen interaction) 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.

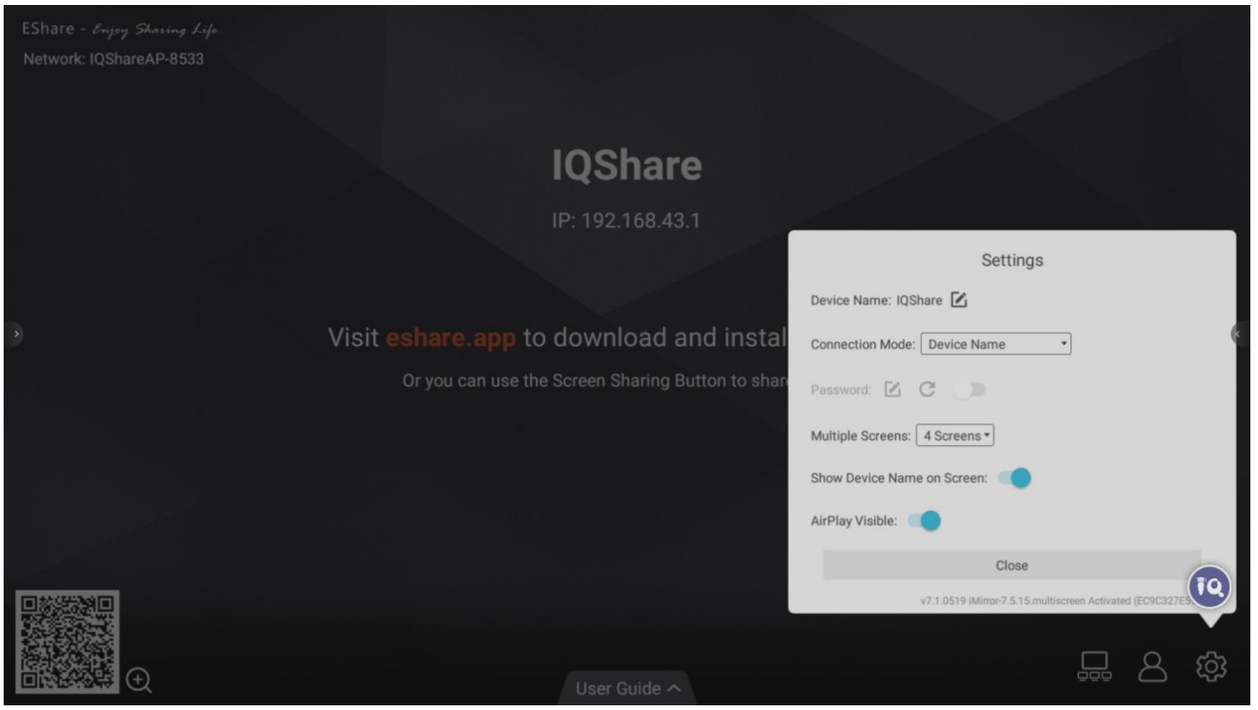
3. Operating description

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.

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.

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.

Laptop screen sharing

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

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

1. IQShare button should be paired with Touch screen

The USB port of IQShare button 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 buttons 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 into the laptop's USB port and HDMI port and paired with the laptop. The indicator light of the IQShare button is always flashing blue 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 will no longer flash blue.

3）Screen sharing

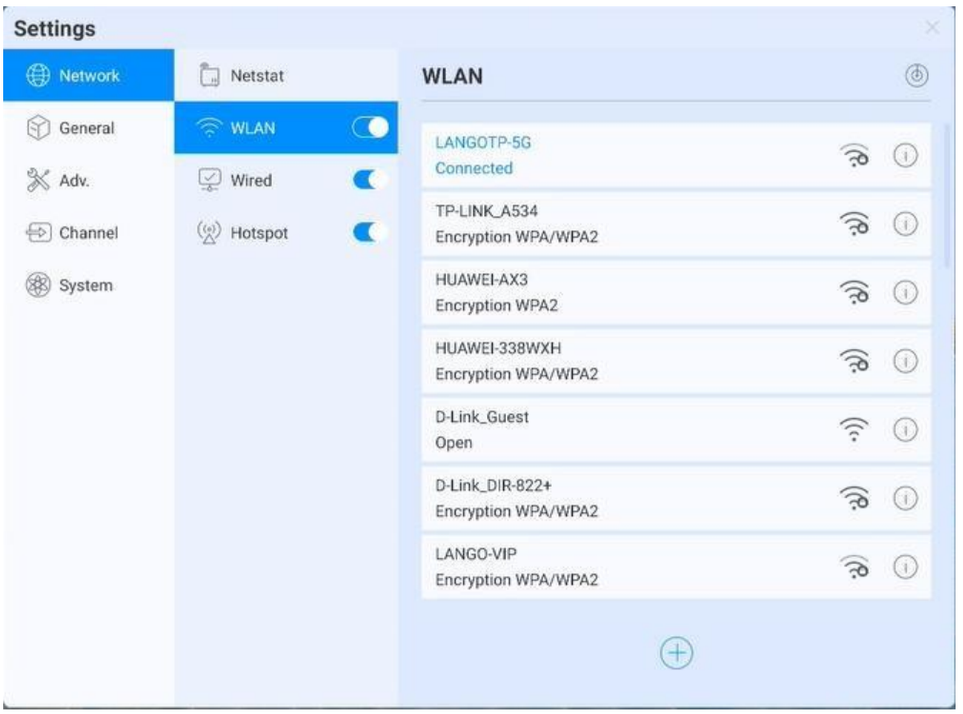
Press the button of IQShare button, the blue light will be dimmed, which means the screen sharing is successful, and the screen and sound of the laptop will be mirrored to the touch screen; press the button again, the screen mirror will exit.

14. Android Settings

14.1 Network

WLAN：

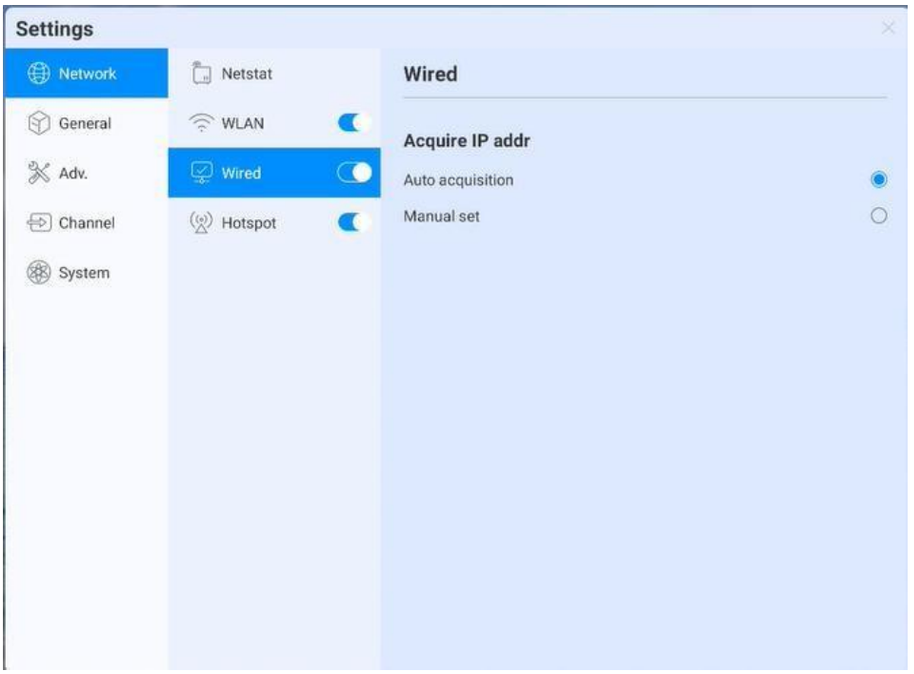
Turn on the wireless network and automatically scan the available wireless network nearby



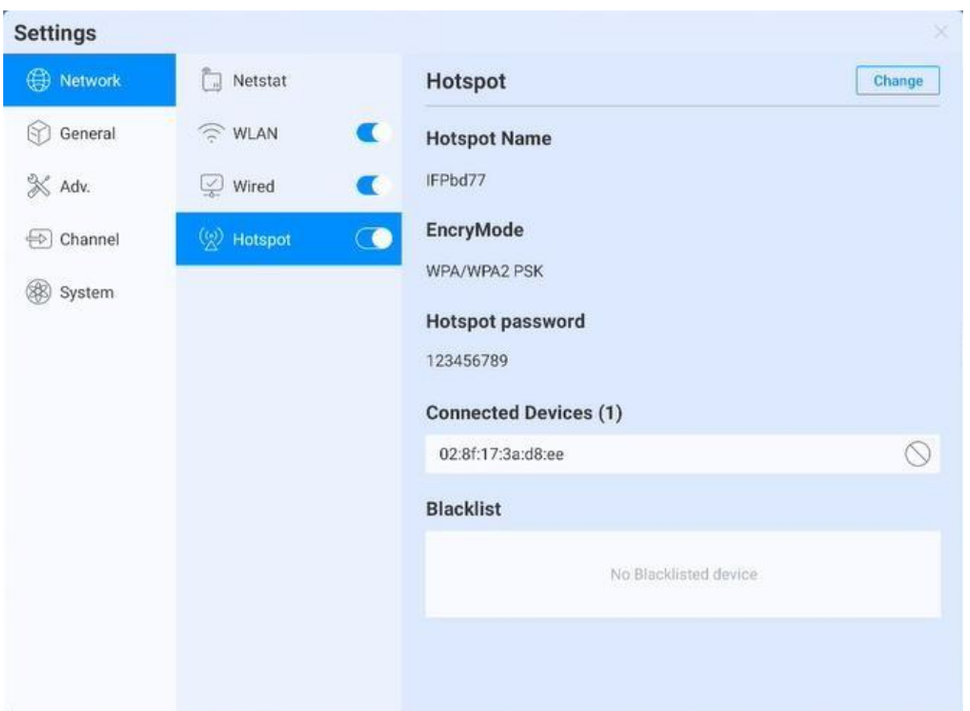
- On-Off: Turn on/off wireless network
- Refresh: Click refresh icon in the top-right corner to refresh Network List
- Add: Click Add button to fill in network name and password to add hidden network
- Connect: Select the network click connection, fill in the password connection

Ethernet

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

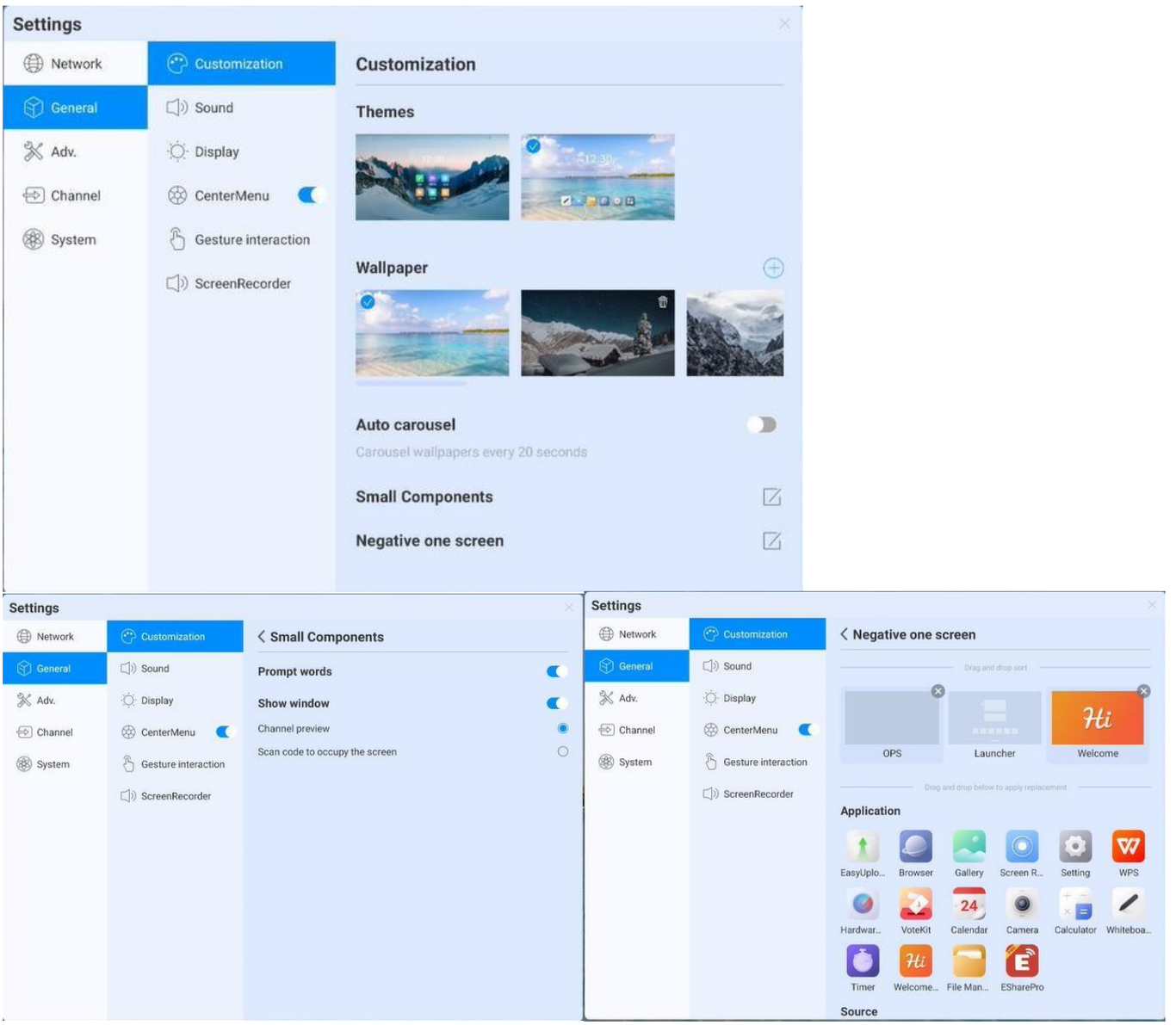


WiFi-AP



- WiFi-AP Password:Displays the current WiFi-AP password, click to change;
- Connected devices:Display connected devices;
- Blacklist :Display blacklisted devices which can not be connected

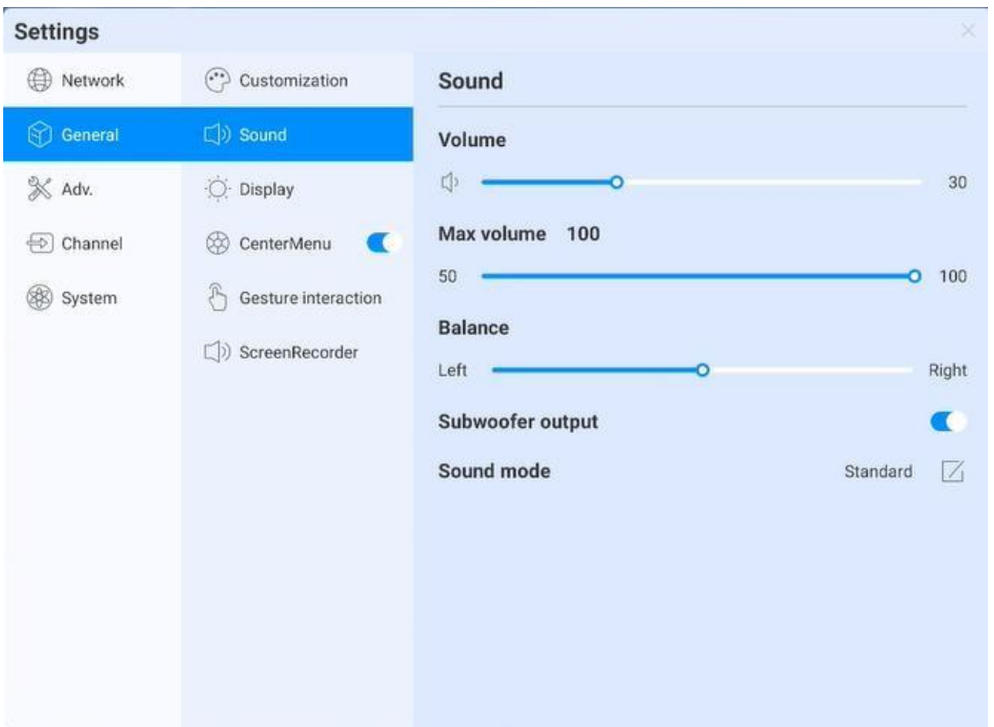
14.2 General



- Theme:The system provides 2 sets of themes by default. Choose to switch themes to present different UI effects on the homepage.
- Wallpaper: The system provides 10 pieces of wallpaper with automatic rotate multicast;click users can upload the customized wallpaper;
- Small Components: Prompt language switch, control whether page prompt language will display; Display window, can control the switch and display content,also can choose the two fuctions of sourcing and scanning code to occupy the screen;

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

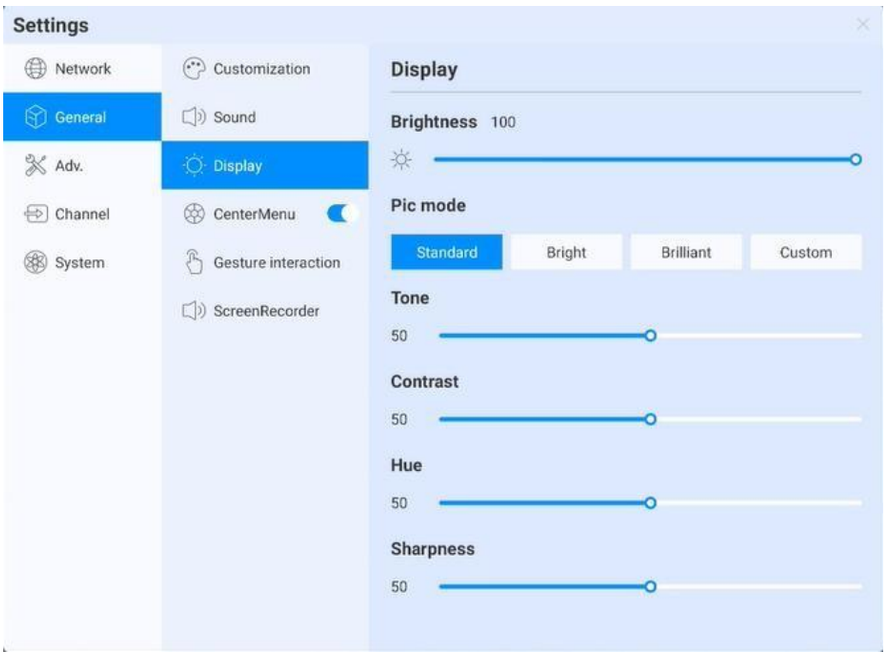
Sound



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

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

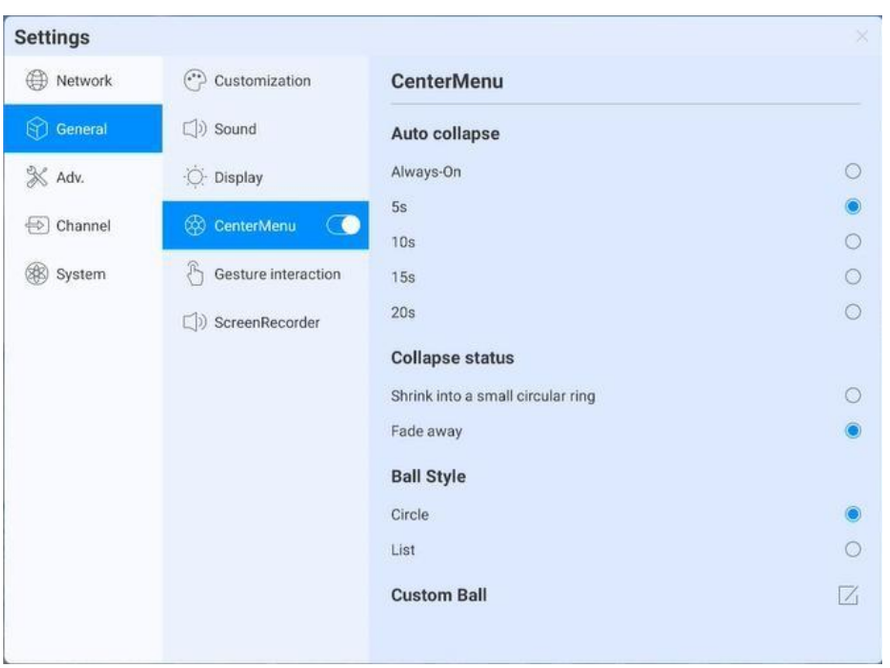
Display



Display settings can adjust display effect of the screen,

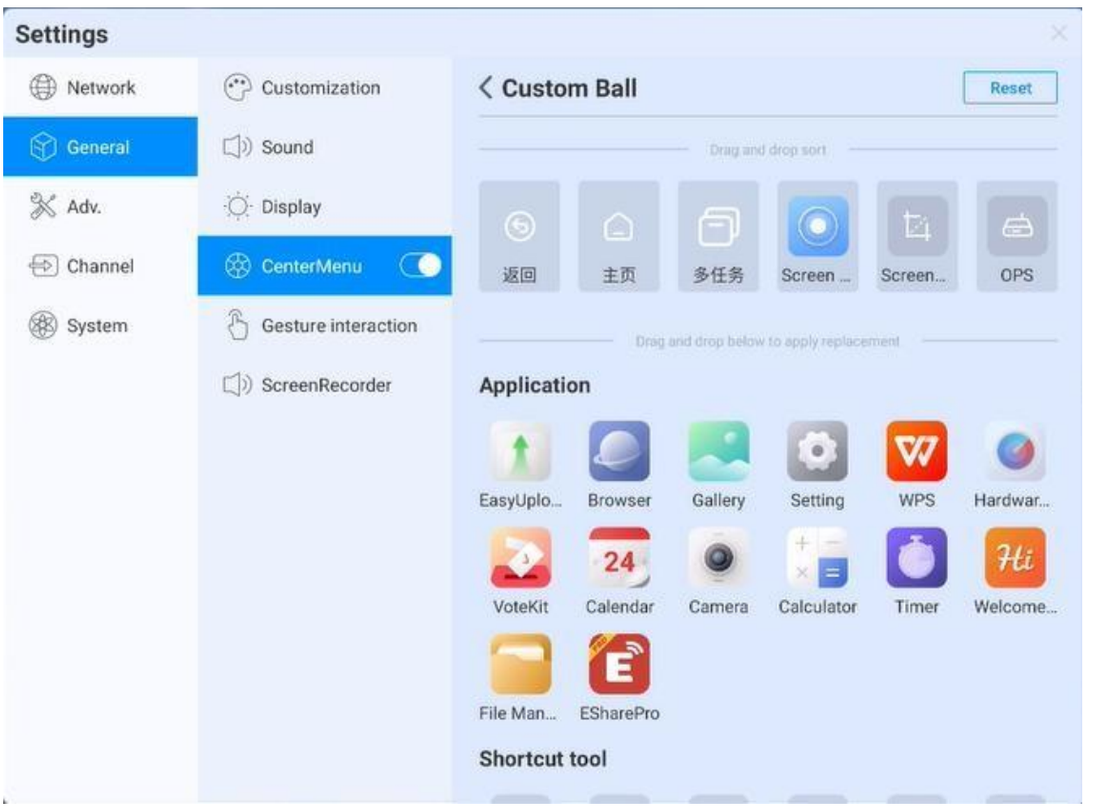
- Brightness:Adjust backlight brightness, the lower the value, the darker the picture;
- Image mode :System default image mode:standard, bright, bright-coloured,but also support customizing;

Compass

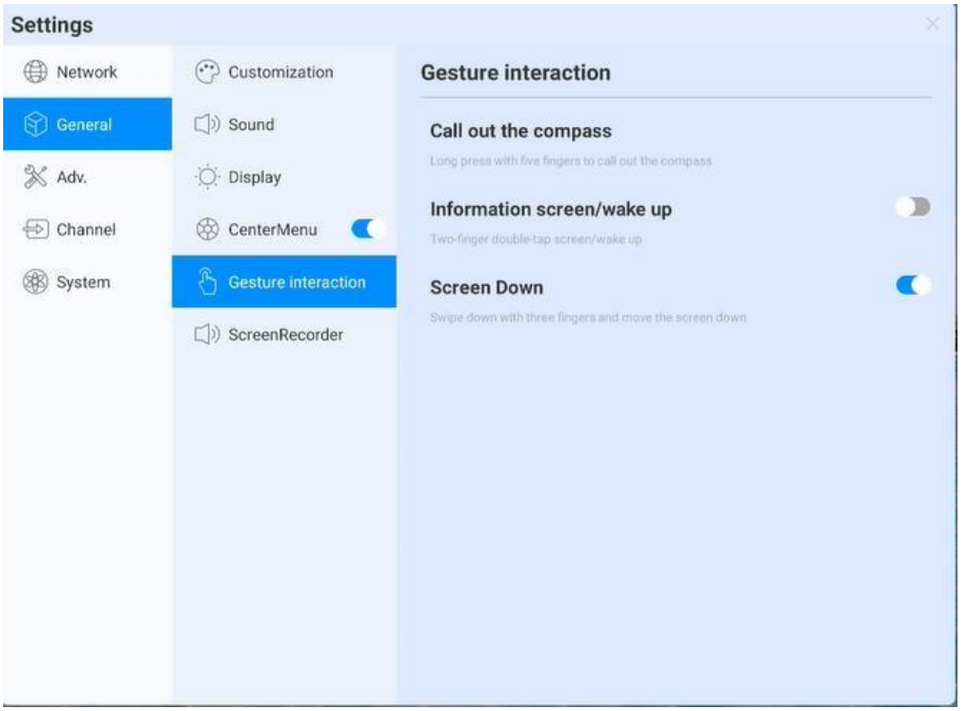


Compass setting is mainly to adjust the compass switch, display time, display style and other functions, specific as follows:

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



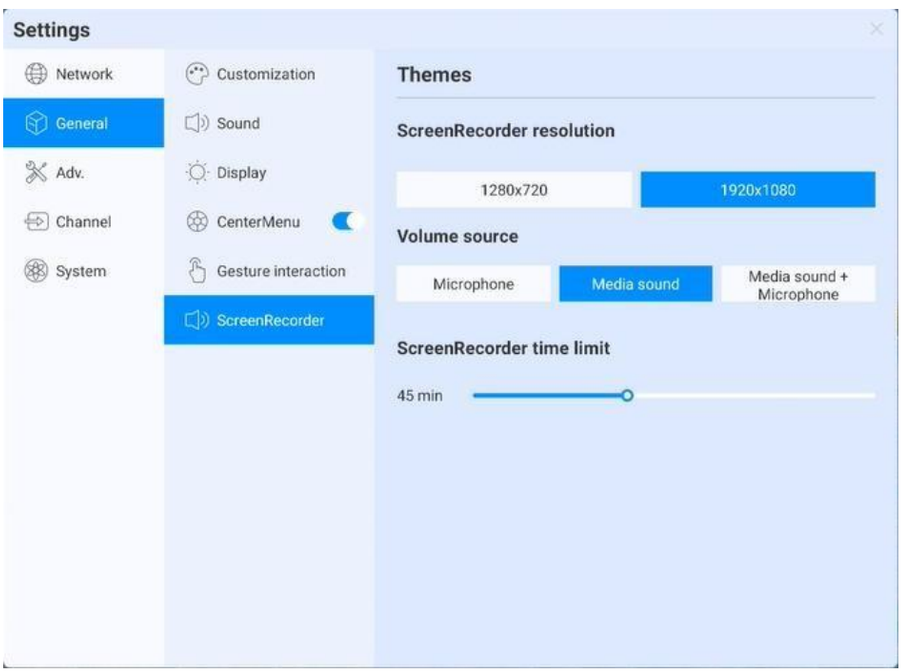
Gesture interaction



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

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

Screen recording



Preset the screen recording function, including:

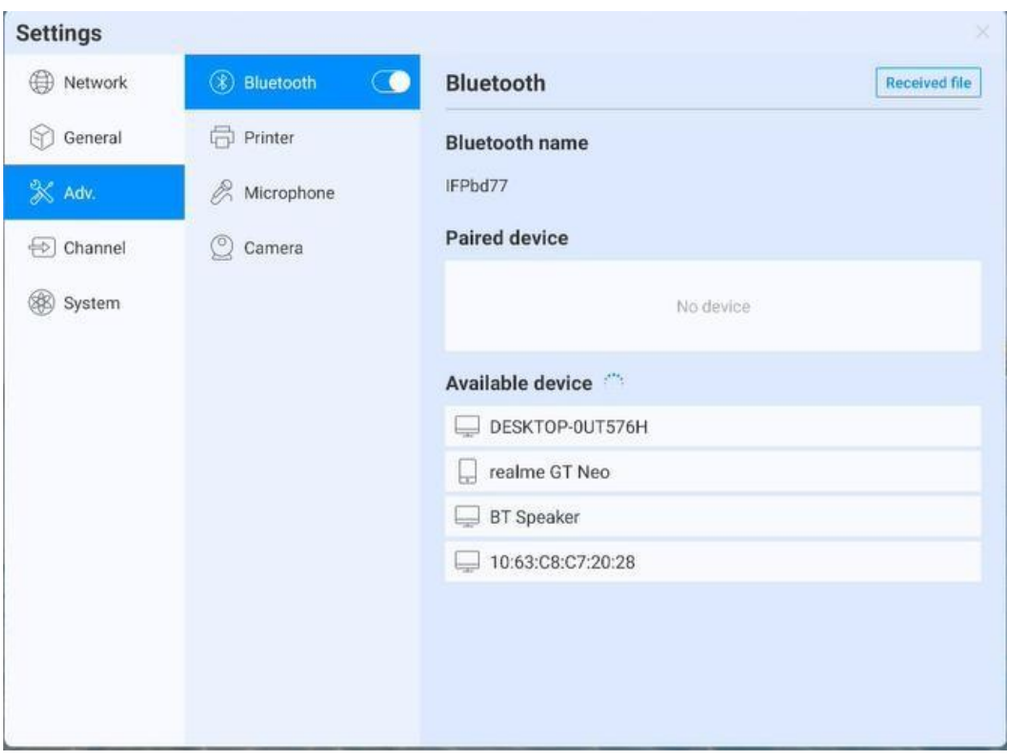
- Recording resolution:Three resolution are optional
- Sound source:Set up the sound source for the screen recording remix
- Recording time limit:Maximum recording time, when the maximum recording time is reached it will prompte to save;

14.3 Device

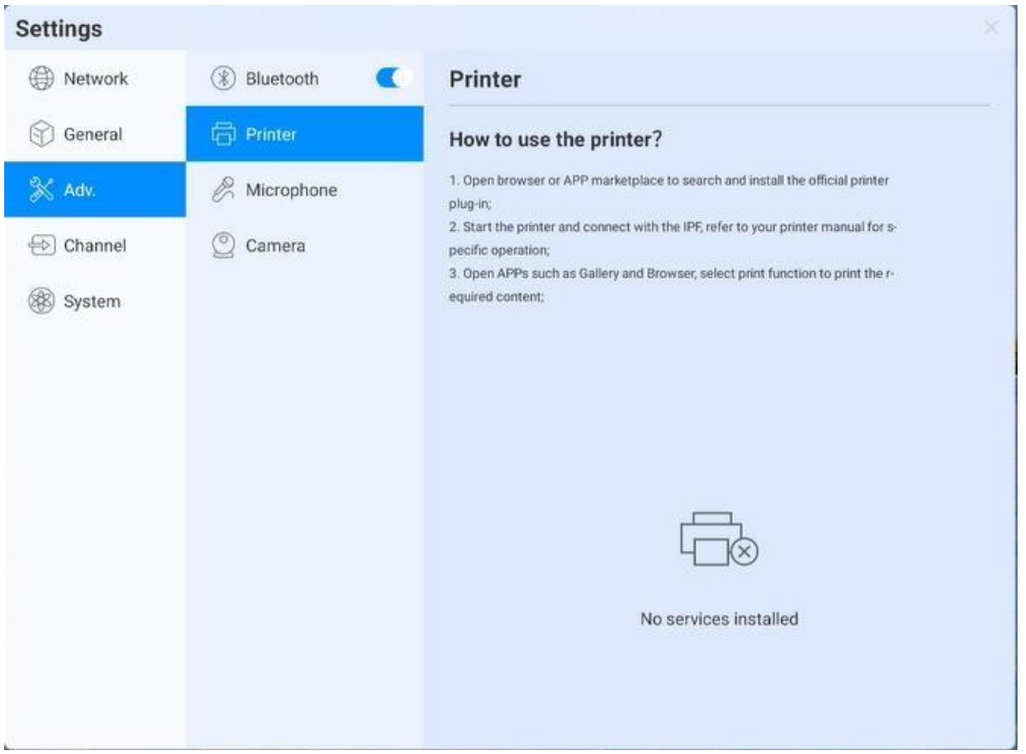
Device control page, mainly adjust the external equipment of the device, including Bluetooth and Bluetooth devices, printer, microphone, camera.

Bluetooth

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

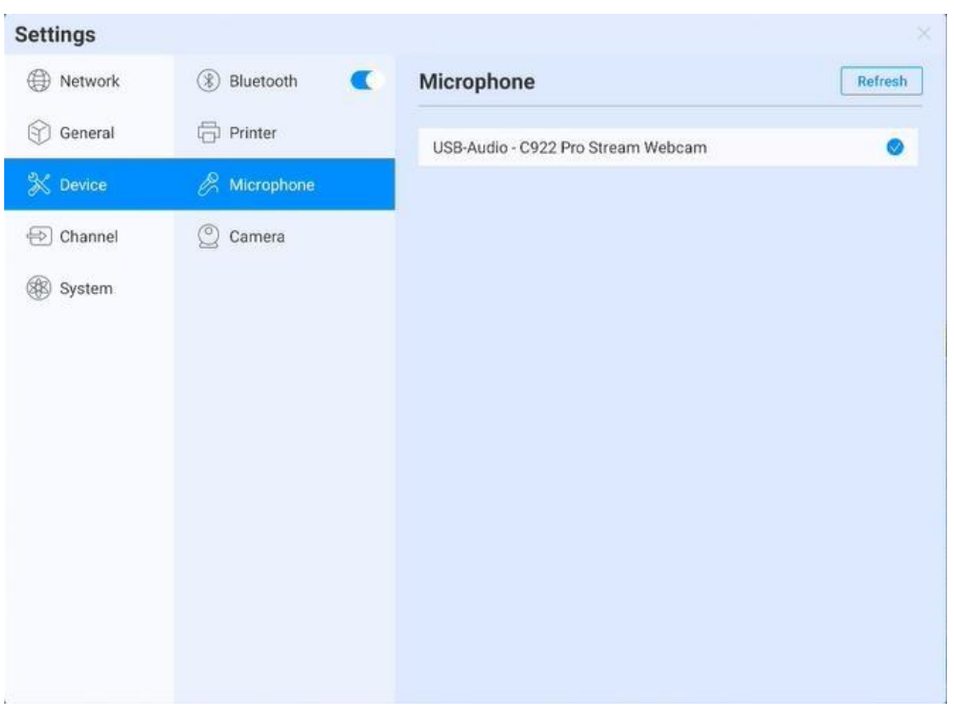


Printer



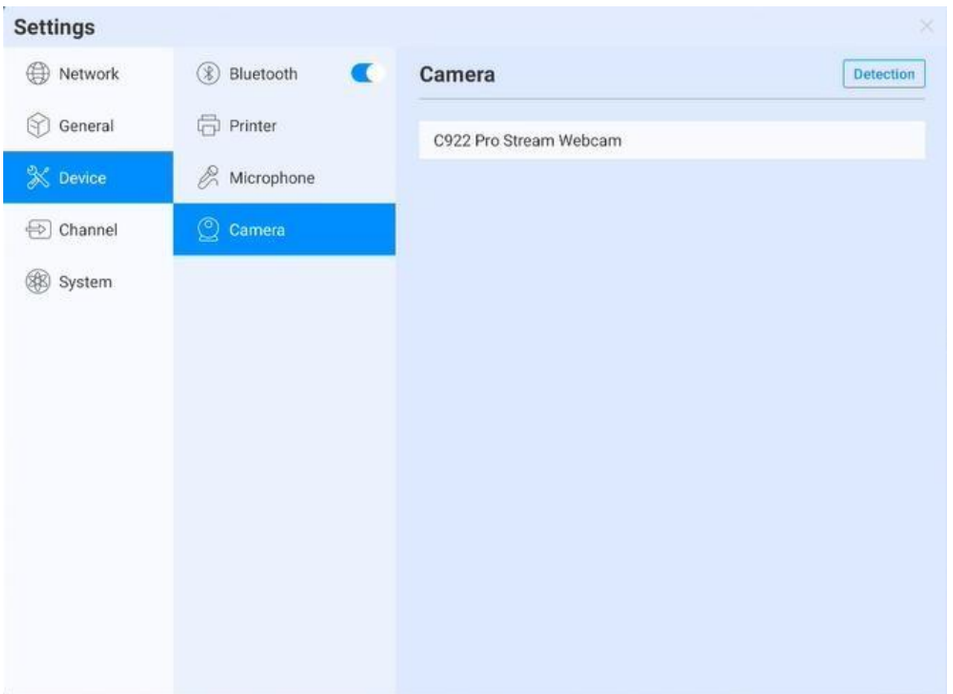
- Install the print service according to the instructions
- Turn on the print service to get the available printer terminals

Microphone



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

Camera



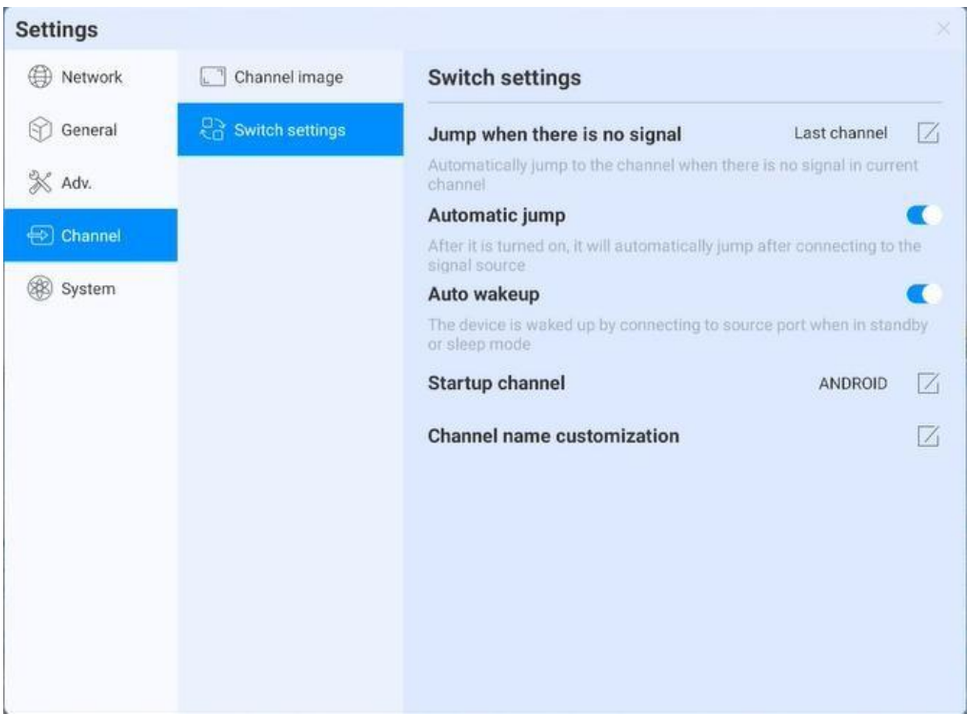
Camera:View the connected camera device,all devices are presented in list, click to switch

14.4 Input Channel

Channel image

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

Other setting

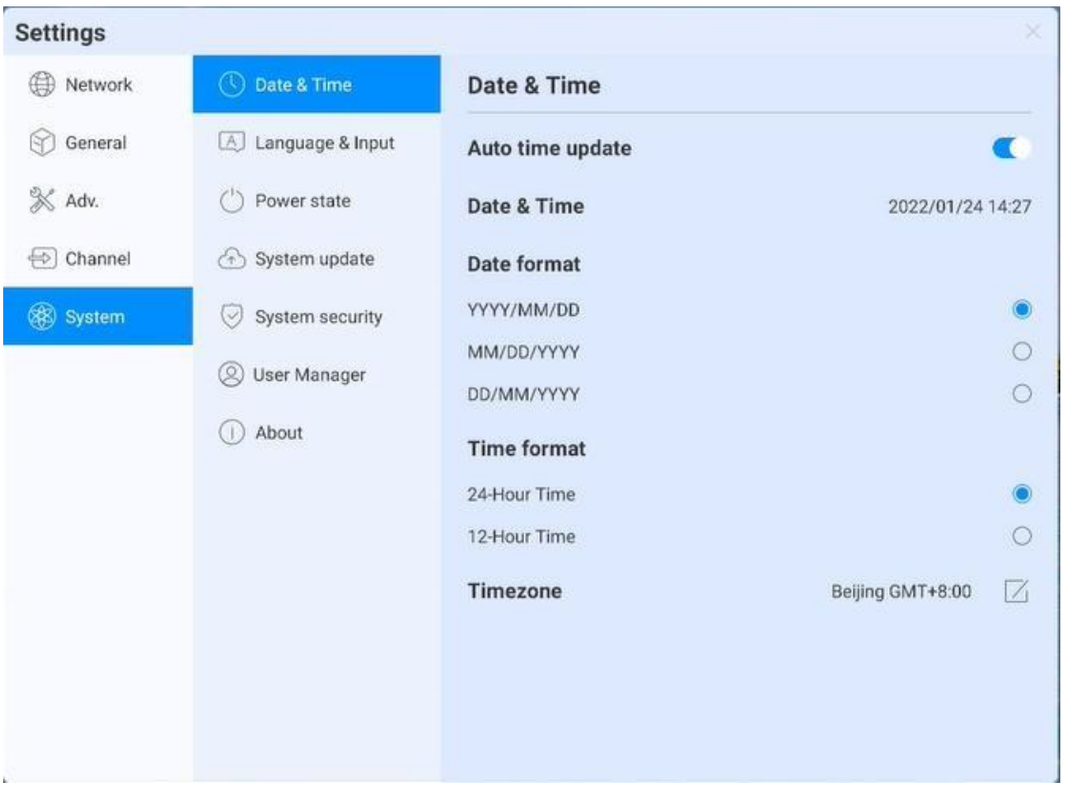


- No signal jump:If the current channel has no signal, the page will automatically switch, and the user can customize the jump page;
- Automatic jump:When the system is running, access the new signal source, it'll automatically jump to the corresponding channel;
- Automatic wake-up: Under standby or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

14.5 System

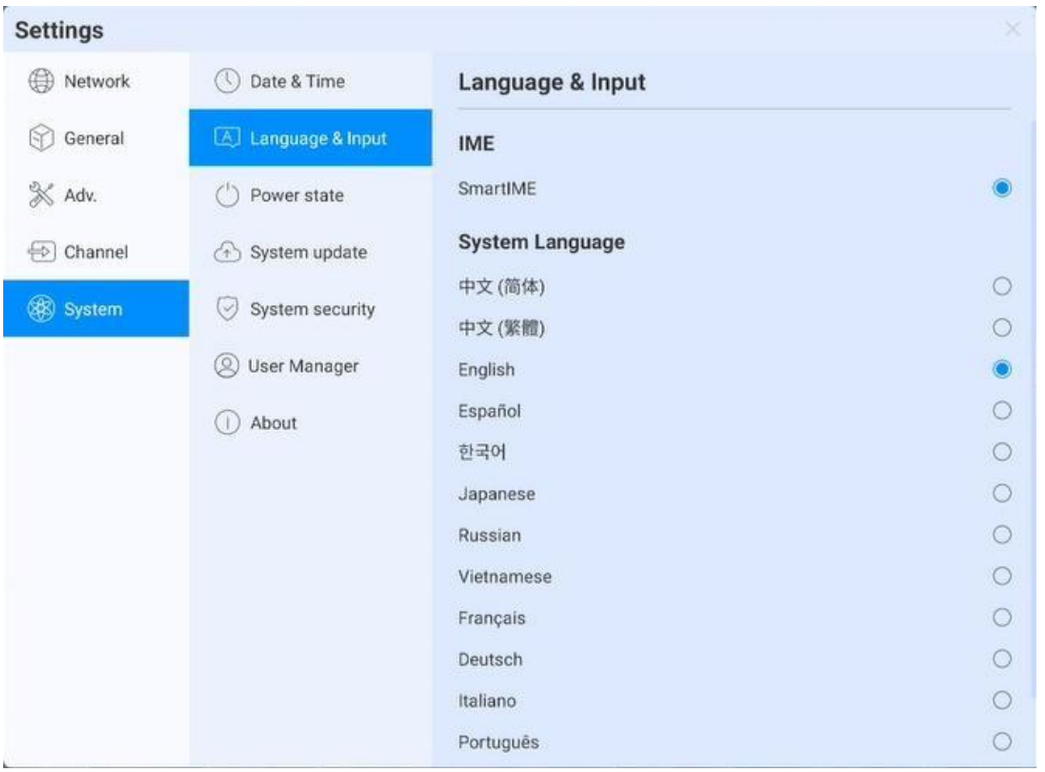
The various system parameters can be adjusted and viewed in the system settings,including:Date and Time, Language and keyboard, Power state, System update, System security, About.

Date and Time



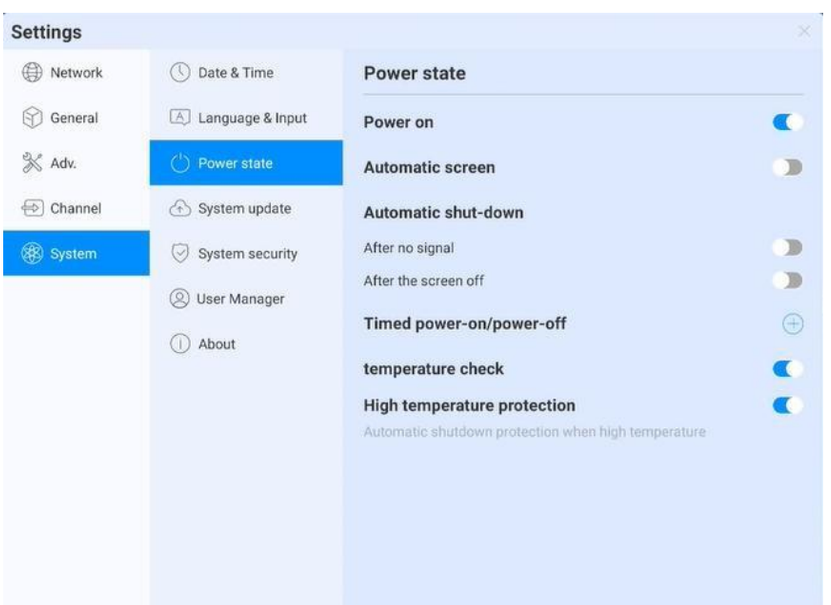
- Automatic update:Enable to synchronize network-time(Need to connect to the Internet))
- Date and time: Turn off automatic update ,click to adjust the date and time;
- Date format:Three date-display format, according to your habit to choose one ;
- Time format:Two time-display format,according to your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

Language and keyboard



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

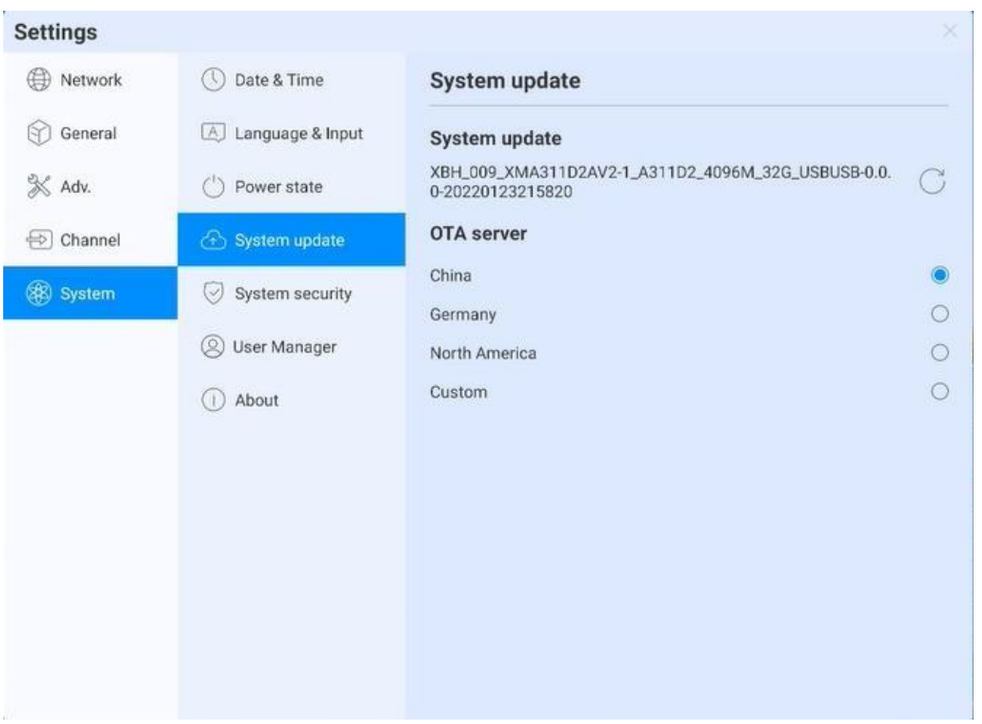
Power state



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

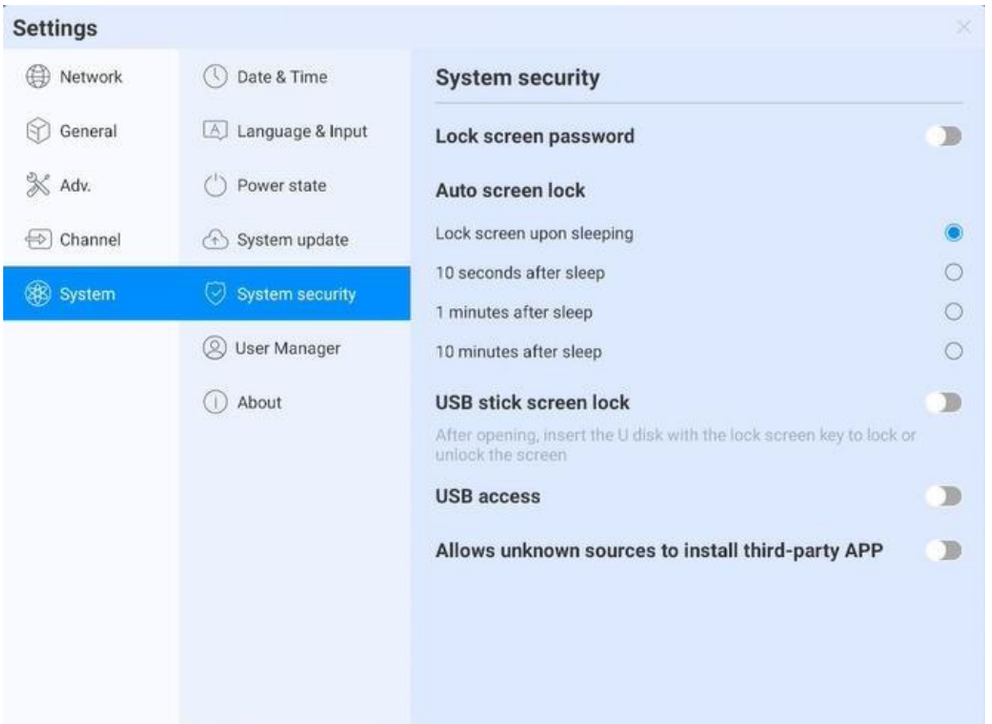
- Automatic screen sleep :Choose this fuction, you can set the screen rest time. The screen will turn off at the end of the screen sleep time.
- Auto power-off, you can set the automatic power-off mode, you can choose to automatically power-off after no signal or automatic power-off after screen sleep.
- Auto On/Off :Set time to auto on/off.
- Temperature detection: The upper right corner status bar will display the current device temperature, you can see temperature status in the status bar
- Temperature protection: When the temperature ≥85℃ , it will forced shutdown to protect the device

System update



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

System security



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

  U disk lock screen / unlock file

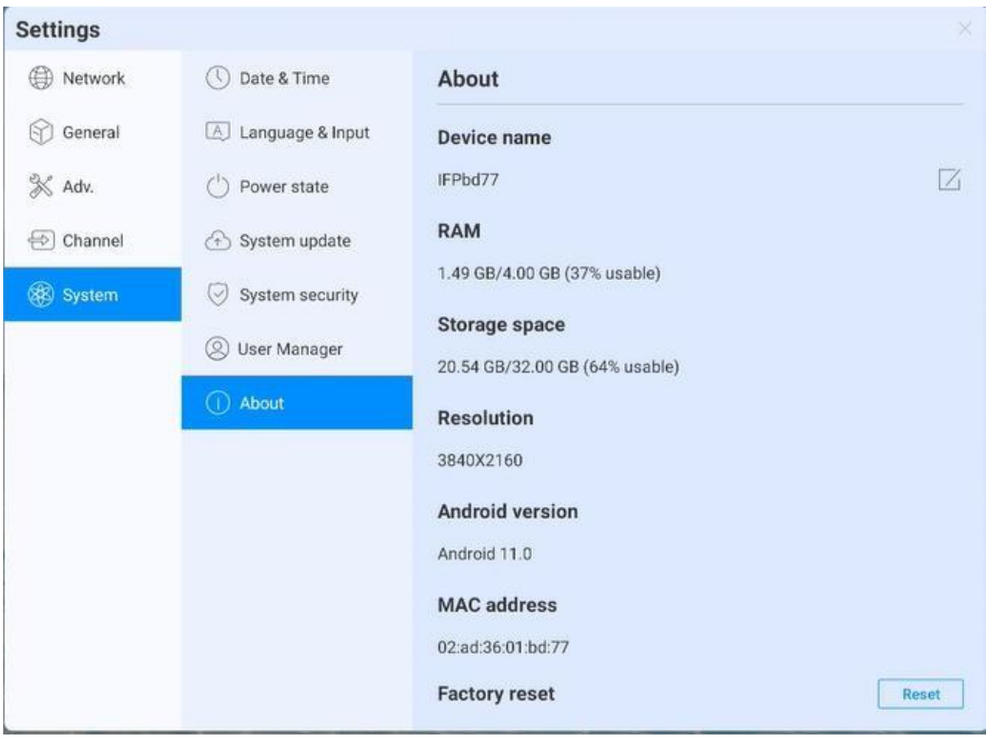
  1) New text document
  2) Entering U2FsdGVkX19eyanxj43a24KpK3kZmzB9
  3) Name the file usb_key
  4) Delete the file suffix name .txt
  5) The character is UTF-8
  6) Saved and place it in the root of U disk
  7) Insert the U disk to unlock

- USB Permission：If the permission is enabled, USB reading is disabled for protect file from copied(you need to set a password at the first time, if you forget the password, you can only restore the equipment use by factory reset,please keep it properly); you need to enter password to gain access to the USB stick.
- Allow third party applications installation from unknown sources: Users can install third party applications , or can only download and install applications from the Google Store.

Multi-user

Refer to above, multi-user function introduction

About



Click to view device information:

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

15.Built-in PC Operation

1) Select PC signal source to enter PC interface. The following are three ways to select a signal source channel.
   - Swipe your finger up from the left and right side to bring up a toolbar then click **input**.
   - Press **INPUT** button on the remote control.

In the signal source page, select a channel and press OK or click the channel icon directly to enter it.

2) Operate the built-in PC in the same way as you operate an ordinary computer.
3) Shut down PC before you turn off the panel. Do not power off a running PC suddenly to avoid data lose. Or you could also press Power button to turn off PC and panel at the same time.

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

This is the general user manual for IQTouch TB1100 Pro interactive touch screens. Some details may be different from the actual product.

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