avocor

AVS-7500

User Manual

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COMPLIANCE INFORMATION

Declaration of Conformity

Avocor hereby declares that the following Product Model Number:

AVS-7500

conforms to the provisions of the following regulations:

- FCC:
  - FCC CFR Title 47 Part 15 Subpart B Class A,
  - ANSI C63.4
  - ICES-003
- CE:
  - EN55032
  - EN55035
  - EN61000-3-3
- CB:
  - IEC 62368-1

CAUTION

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Product Disposal

The Product contains small amounts of tin, lead, and/or mercury. Disposal of these materials may be regulated due to environmental considerations.

Disposal of Old Electrical and Electronic Equipment

Disposal of Old Electrical and Electronic Equipment

Applicable throughout the European Union and other European countries with separate collection programs

This symbol, found on your product or on its packaging, indicates that this product should not be treated as household waste when you wish to dispose of it. Instead, it should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring that this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate disposal of this product.

The recycling of materials will help to conserve natural resources. This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer, and ask for the correct method of disposal.

About This Manual

This user manual was written to help you get the most out of your display.

In addition to detailed descriptions of the display and its features, this manual will guide you through the installation and setup processes and provide tips, tricks, and best practices on how best to utilize the display.

We make every effort to ensure that this manual is accurate as of the date it was printed. However, it may require periodic updating due to ongoing product improvements and customer feedback. Find the latest version of our manuals at Avocor.com.

Textual Conventions

The following textual conventions are used in this manual to denote certain actions or information for clarification purposes. Here are the details:

- Remote control and display keypad controls are set in CAPS. For example, "Press OK on the remote control to accept your changes."
- Menus in the OSD and computer interface are in **bold**. The ">" symbol is used to help denote submenu navigation. For example, "Open **Display > Picture > Advanced Settings** to adjust various picture settings."
- Keyboard keys with functional names are capitalized and set in <Angle Brackets>. For example, "press <Enter> to make your selection."
- In addition to the above, underlining, *italics*, or a *combination* of the two are used periodically to help emphasize key points in the text of this manual.

Graphic Conventions

The following symbols appear throughout this manual to emphasize key points. Keep these in mind not only to benefit from their advice, but also to avoid problems with the display or personal injury.

	TIP	Highlights helpful guidelines and best practices for using certain features.
	NOTE	Provides supplemental information and emphasize text of special significance.
	CAUTION	Alerts that given actions may degrade the performance of the display or cause a malfunction
	WARNING	Alert that a given action may result in damage to equipment or personal injury.
	DANGER	Alert that a given action may cause serious personal injury or death.

WHAT'S IN THE BOX?

- Avocor AVS-7500, Interactive Display
- Quick Start Guide with QR code
- Remote Control & Batteries
- (2) Touch Stylus 3mm
- Power Cables
    - UK Cable 2m
    - European Cable 2m
- (1) HDMI cable 3m
- (1) USB-A 3.0 cable 3m
- Cleaning cloth

SPECIFICATIONS

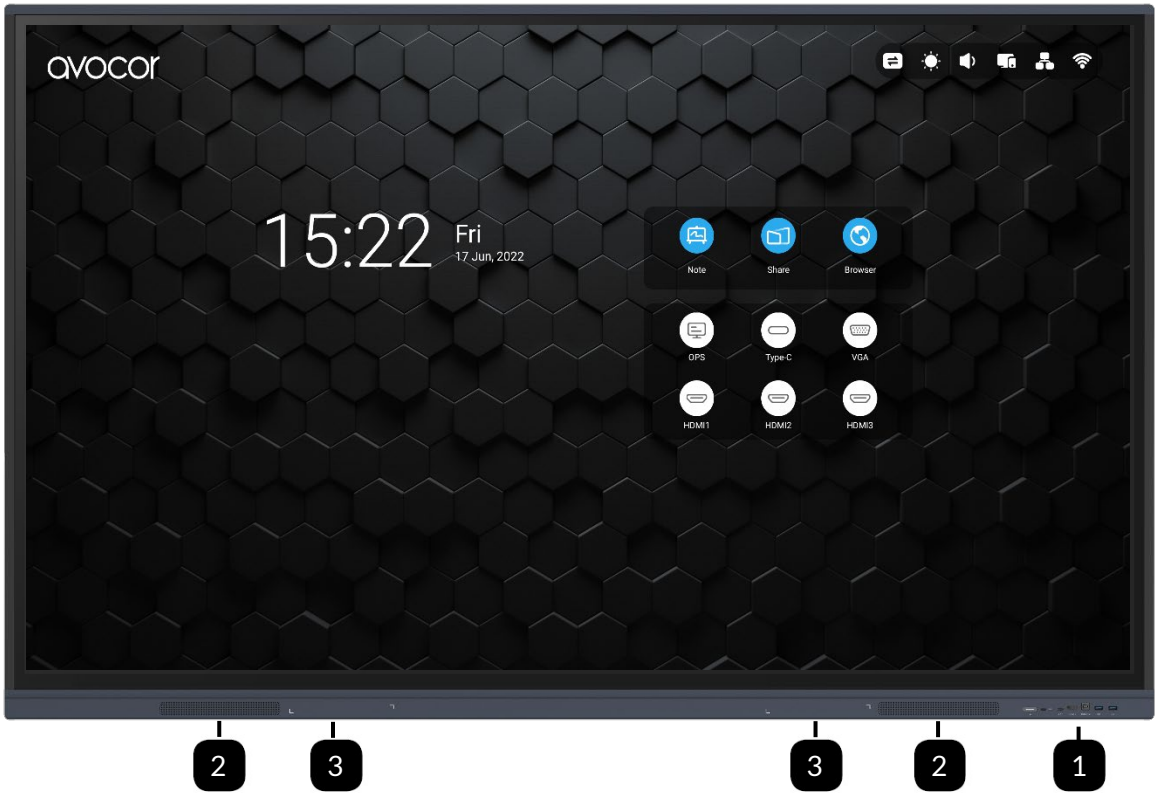
AVS-7500	
Diagonal Size (Inch)	75
Backlight	Direct-lit LED
Aspect Ratio	16:9
Resolution	3840 x 2160 @ 60Hz
Response Time	8 ms
Brightness	350 (cd/m2)
Contrast Ratio	1200:1
Viewing Angle	178° / 178
Supported Colours	1.07B (10bit)
Display Orientation	Landscape
TOUCH SYSTEM	
Interface	1x Type C, 2x USB-B 2.0
Touch	Up to 40 Points of Touch - Supports Dual fine tip stylus*
Glass	Anti-Glare, Anti-Fingerprint Glass
Supported O/S	Windows10** | Android | Linux*** | Mac OS X*** | Chrome***
OPERATING SYSTEM	
System Version	Android 11
CPU	A55×4
GPU	Mali G52MP2
RAM	4 GB
ROM	32 GB
CONNECTIVITY	
Guest Inputs	1x Type C 3.1, 1x HDMI 2.0, 1x USB-B Touch, 2x USB-A 3.0 Hub
Side Inputs	2x HDMI 2.0, 1x USB-B Touch, 1x VGA, 2x USB-A 3.0, 1x HDMI Out (4K@60Hz), 1x USB-A 2.0 Service Port
Audio	1x 3.5mm Audio In, 1x 3.5mm Audio Out, 1x Optical (SPDIF)
Control	1x RS232, 1x LAN Ethernet (RJ-45) in, 1x LAN Ethernet (RJ-45) Out
OPS Slot	Yes, 3840 x 2160 @ 60Hz
AUDIO	
Built-in Speakers	2 x 16W - Forward Facing
DISPLAY & REMOTE FUNCTIONS	
Auto-source detection, Blank, Freeze, PIP	
PHYSICAL SPECIFICATIONS	
Product Dimensions	1709 × 1020 × 88mm | 67.28 x 40.16 x 3.46 in
Shipping Dimensions	1863 x 1140 x 270 | 73.35 x 44.88 x 8.86 in
Weight	Net: 47.3 kg / 104.3 lbs / Gross: 60.55 kg / 133.5 lbs
Wall Mount (VESA)	800 x 400 mm | 31.50 x 15.75 in
Handles	2

POWER	
Power Supply	AC100 - 240V (Worldwide), 50/60Hz
Max Power Consumption	<360W
Standby	≦0.5 W
ENVIRONMENTAL	
Operating Temperature	0 °C ~ 40 °C
Storage Temperature	-20 °C ~ 60 °C
Humidity	10%~90%RH
WARRANTY	
Warranty	Terms and conditions vary via region

THE DISPLAY, AT A GLANCE

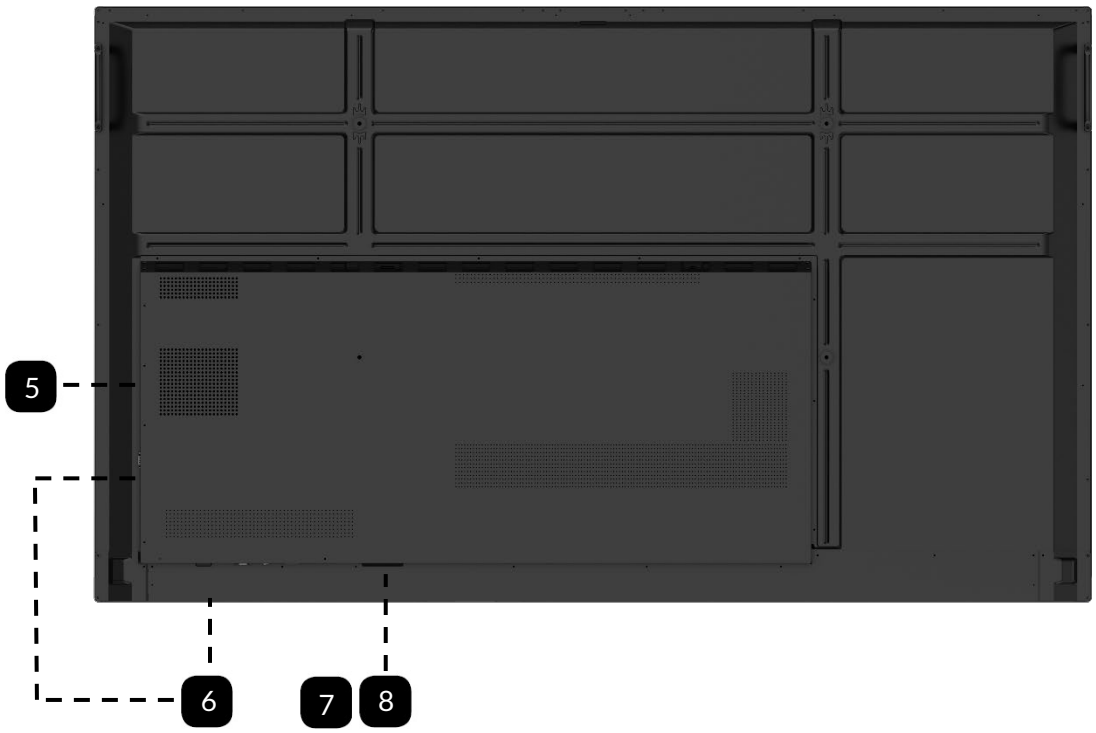
The following diagrams depict the front, side, and bottom panels of the display. The physical interface and connections are labeled, and then described in the tables that follow.

Display Front



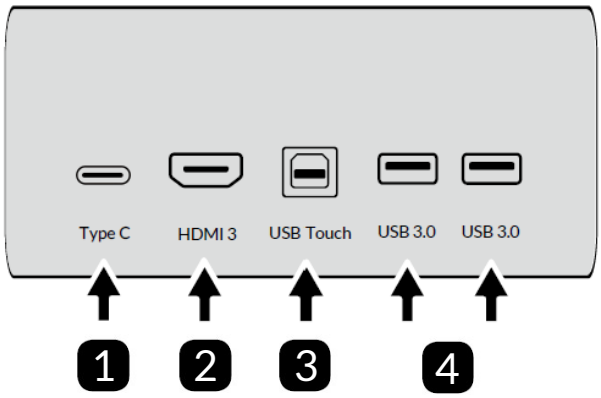
1	**Front Inputs**	USB Type C, HDMI 2.0, Touch USB, 2x USB 3.0 (Accessory Port)
2	**Forward Facing Speakers**	2 X 20W Forward-Facing Speakers.
3	**Pen Tray**	Magnetized pen storage

Display Rear



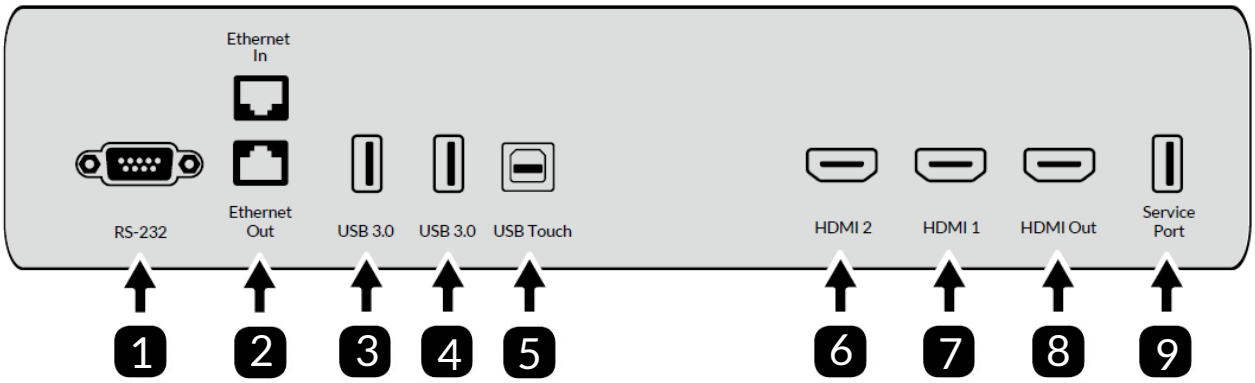
5	**OPS Slot**	TX25A-80P standard OPS input; compatible with non-standard OPS-C structure.
6	**Rear Source Inputs**	**Side** — 2x HDMI 2.0, 1x USB-B 2.0 Touch, 1x VGA, 2x USB-A 3.0, 1x HDMI Out (4K@60Hz), 1x USB-A 2.0 Service Port, 1x RS232, 1x LAN Ethernet (RJ-45) in, 1x LAN Ethernet (RJ-45) Out **Bottom**—1x 3.5mm Audio In, 1x 3.5mm Audio Out, 1x Optical (SPDIF)
7	**Power Socket**	Three-pin A/C Jack.
8	**Main Power Switch**	A/C Rocker Switch; toggles all power to the display.

Front Inputs



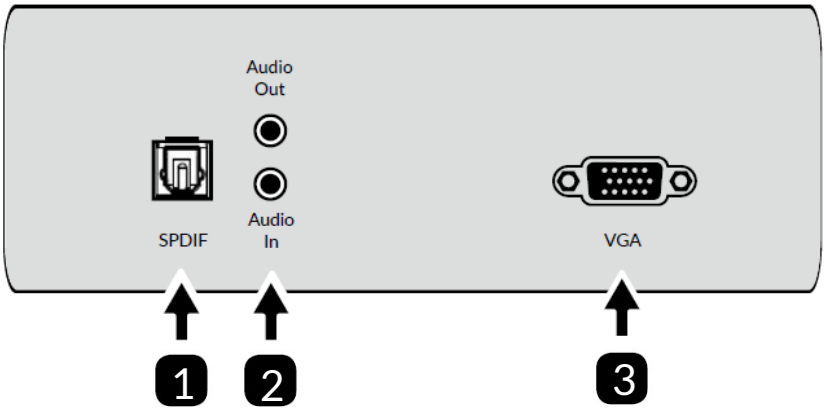
1	**Type C**	USB Type C, Guest Input for video and Touch.
2	**HDMI 3**	HDMI Guest Input.
3	**USB Touch**	USB Touch Guest Input.
4	**USB 3.0**	USB Accessory Input

Side Source Inputs



1	**RS232**	DB9 Female Input, For interfacing with a PC or automation/control system.
2	**Ethernet in / Out**	HDMI 2.0 & HDCP2.2.
3	**USB 3.0**	USB 3.0 accessory port
4	**USB 3.0**	USB 3.0 accessory port
5	**USB Touch**	USB 2.0 Type B for touch control.
6	**HDMI 2**	HDMI 2.0 & HDCP2.2.
7	**HDMI 1**	HDMI 2.0 & HDCP2.2.
8	**HDMI Out**	HDCP compliant HDMI out @ 4K@60Hz; duplicate screen only.
9	**USB 2.0**	Service Port / USB 2.0 accessory port.

Rear Lower Inputs



1	**SPDIF Out** Sony/Phillips Digital Interface	Connect external and digital powered speakers, or an audio receiver or amplifier.
2	**Audio In / Out**	3.5mm Analog audio input & output (no mic).
3	**VGA**	DE15 Female Input, For interfacing with a laptop or PC.

INSTALLATION

⚠ Please read the following precautions carefully before installing your new Avocor AVS-7500 display. Failure to comply may result in damage to the display and equipment and may result in personal injury or death.

- DO NOT install the display in a high temperature environment or near any apparatus that produce heat.
    - This may cause damage to the panel and equipment. It may also cause personal injury due to electrical shock resulting from overheating.
- DO NOT install the display in a high humidity environment or an environment where it can come into contact with water.
    - This may cause damage to the panel and equipment. It may also cause personal injury due to electrical shock resulting from overheating.
- DO NOT overload outlets or cables beyond their electrical capacity.
- DO NOT insert the power plug into an outlet rated outside the range of 100~240V A/C.
- DO NOT insert the power plug into a damaged outlet.
- DO NOT use a worn or damaged A/C power cable.
- DO NOT use an improper or mismatched A/C power cable.
- DO NOT place the display on an unstable shelf or surface.
- DO NOT place objects on the display as instructed below:
    - Do not cover the vents on the display.
    - Do not allow liquid or small particles to enter the vents or other parts of the display.
    - Do not put heavy objects on the display.
- Please allow room between the wall and the display panel to maintain proper ventilation and avoid overheating.
- Make sure you use the handles on the back of the display while lifting or moving the display, to avoid touching the front panel during the move.
- When unpacking, and carrying the display please follow these guidelines:
    - 3 people are needed for displays up to 75”

Before installing, please make sure the wall is strong enough to hold the necessary weight of the display and the mount.

Ambient Considerations

Environmental and ambient factors play a considerable role in determining your viewing experience and the functional operation of the display. Make sure to follow these guidelines carefully to get the most out of your display.

AMBIENT LIGHT

For the best viewing experience, make sure to minimize or remove light sources directed at the screen, especially sunlight.

Any direct light may make images on the screen appear washed out and less vibrant, and direct sunlight may even affect touch control operation.

AMBIENT TEMPERATURE

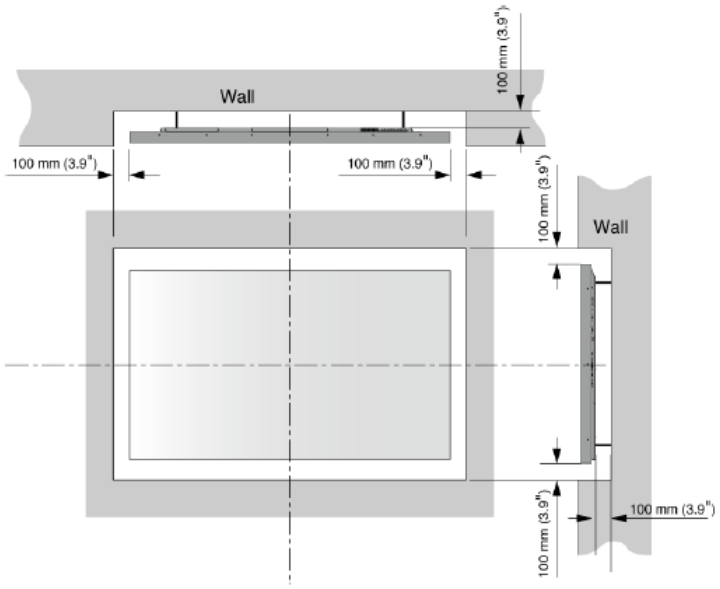
Maintain the ambient temperature of the room at a consistent level. This will ensure that the display continues to operate smoothly.

Do not place the display near heat sources or air conditioning vents, and do not operate or store the display in temperatures above 40 degrees Celsius (104 degrees Fahrenheit).

VENTILATION

The display should maintain a proper operating temperature provided that the ambient temperature is not too high, and that the vents on the display have enough room to disperse any heat emanating from the display.

⚠ Do not block the vents on the display! Leave a space of about 4 inches between all sides of the display and surrounding walls or objects, as shown in the figure, below.



MOUNTING THE DISPLAY

The three primary types of mounting solutions are Wall Mounts, Stationary Stands, and Rolling Carts. This chapter will examine each type and how they might fit into your installation.

NOTE

- Leave mounting to the installation specialists.
- Always make sure that your stand, or mount/wall is rated to hold the weight of your display.
- Make sure that the surface you place the mount or stand upon can support the weight of your display.
- Make sure the tilt degree of the display does not exceed 2°.
- Always get help when moving or mounting the display.
    - 3 people are needed for displays up to 75”

WALL MOUNT

Though immobile and possibly the most time-consuming install, wall mounts benefit from the fact that they take up much less space than their counterparts. This is a great option for those who want a permanent sleek-looking setup, especially if extra time is taken to route any cabling through the wall.

WARNING

- The wall must be capable of supporting a redundant weight factor of 3x the weight of the display or be reinforced to support a 3x redundant weight factor.
- Use only approved wall-mounting kits; talk to the installation experts for their recommendations and advice.

STATIONARY STANDS

Stationary stands can come in the form of tabletop stands or floor stands. These stands are worthwhile for either permanent or temporary installations; they are less mobile than rolling carts but are a bit more flexible than wall mounts.

WARNING

- If you decide to implement a tabletop stand, make sure that the table or surface you plan to place the display on can support the weight of both the display and the stand.

ROLLING CART

As the most mobile of mounting solutions, the rolling cart is perfect for those who want a flexible setup that can be taken to different rooms.

WARNING

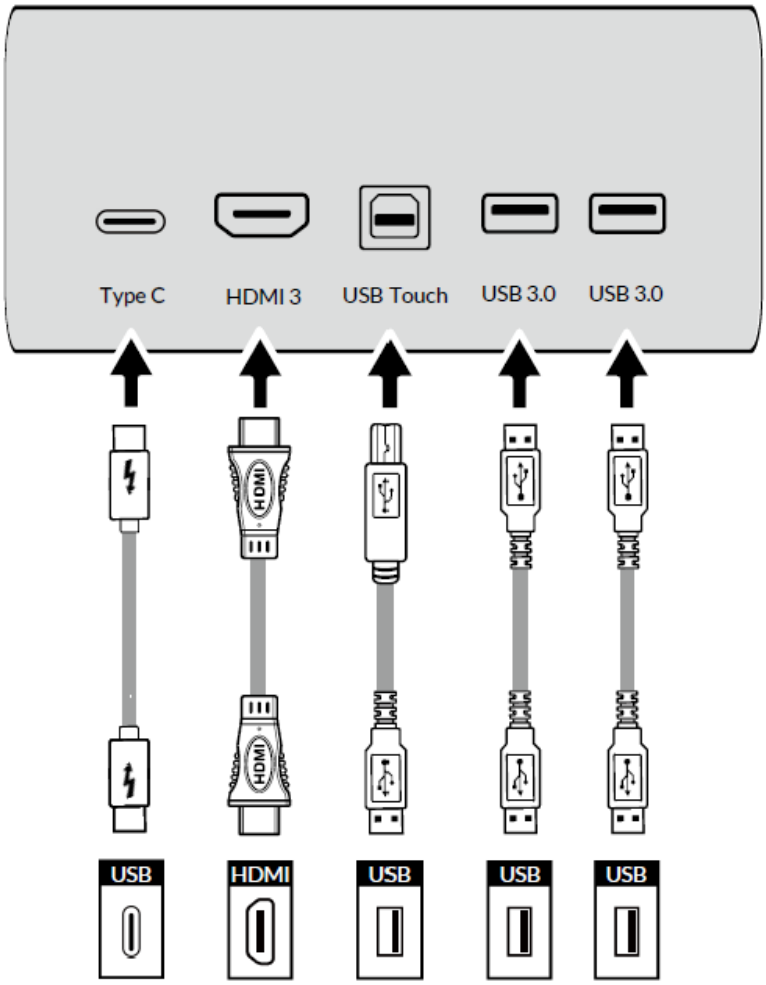
- At least two people are needed to move a rolling cart with a mounted display.
- When moving your cart, make sure that you have a clear path to your destination and be sure to warn other people around you.

Peripheral Connections

Your Avocor AVS-7500 display supports connections to multiple peripheral devices, from computers, to wireless presentation systems, to external control systems.

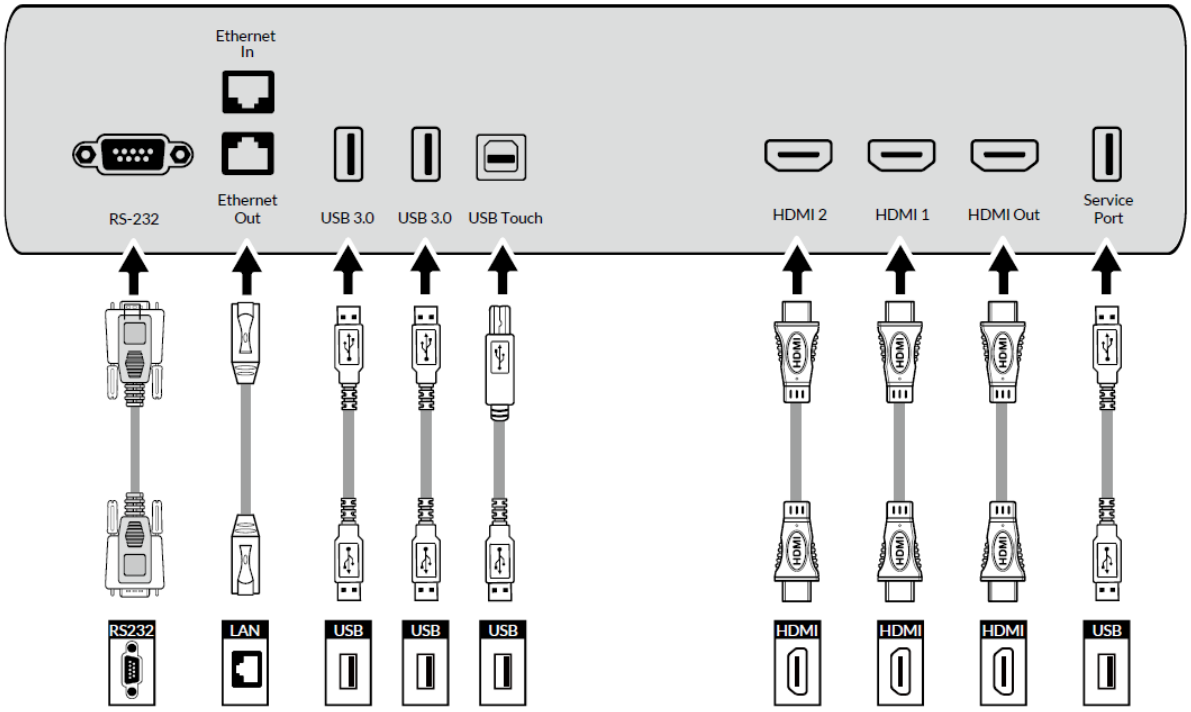
The below diagrams demonstrate how to connect your peripherals for the best possible results.

FRONT INPUTS



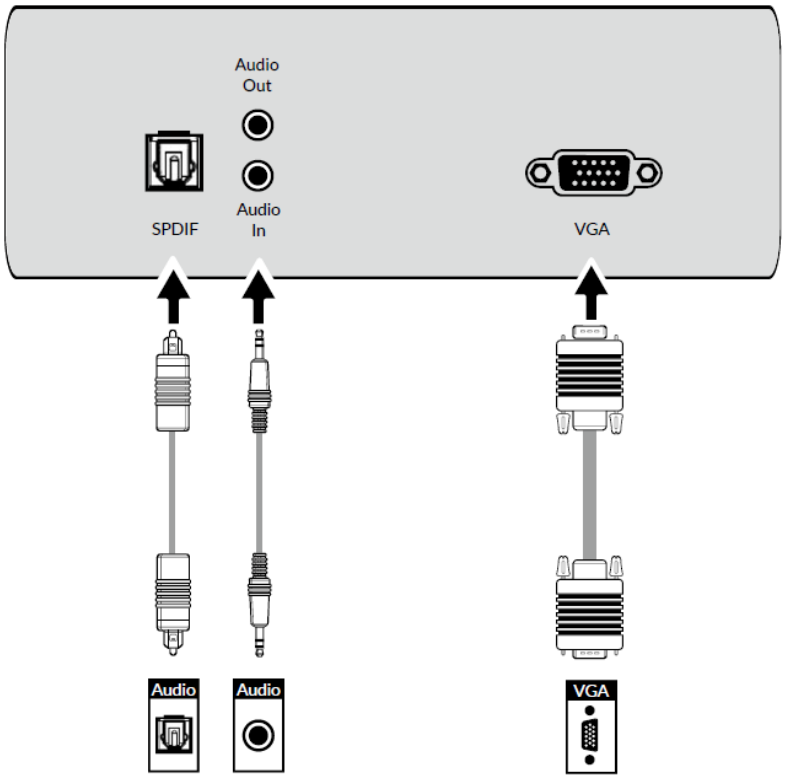
The front ports on your AVS-7500 display are great for a plug-and-play session for up to three devices and an accompanying USB 2.0 compatible accessory. The Type C port will support both touch and video. If using the HDMI port for video, the USB Touch input is required to enable touch control.

SIDE INPUTS



The preferred method to properly connect a device to the panel is to connect your device to one of the video inputs via HDMI and connect your USB-A—USB-B cable to your device and the USB Touch input. ***Use a straight through DB9 connector to properly connect your control system to the RS-232 port on the display***.

REAR LOWER INPUTS



This is where you can integrate your AVS-7500 with legacy VGA laptops or PCs and audio or connect the display to audio device supporting SPDIF.

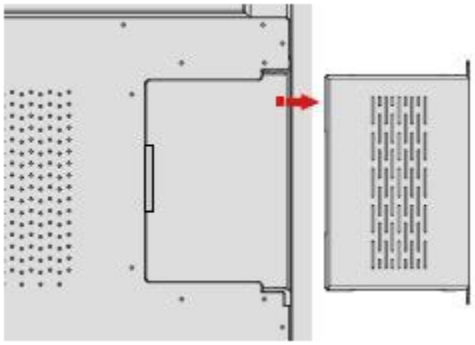
OPS Module

Your Avocor AVS-7500 is compatible with any Open Pluggable Standard (OPS) computer module. Avocor offers its own OPS PC module, which is optimized for the display, for a separate purchase.

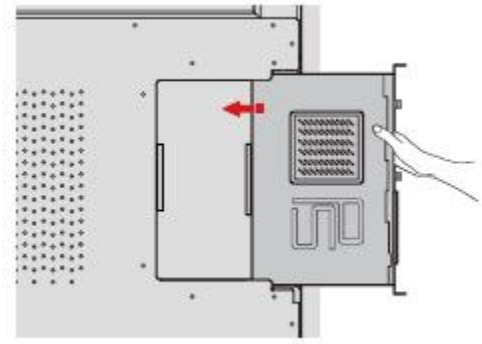
Installing an Avocor OPS module is a relatively simple process, but one that still needs a level of care and attention. Improper installation may cause malfunction or even damage the OPS module or the OPS Slot-Connector on the display. *Please follow these instructions carefully*.

OPS INSTALLATION STEP-BY-STEP

I. Turn off the main power switch on the display.
II. **Remove the OPS slot shield** on the display input panel

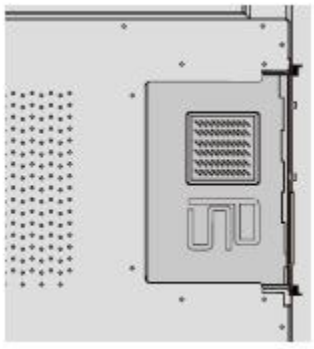


II. **Install the Avocor OPS computer** by carefully sliding it into the OPS slot as pictured below.



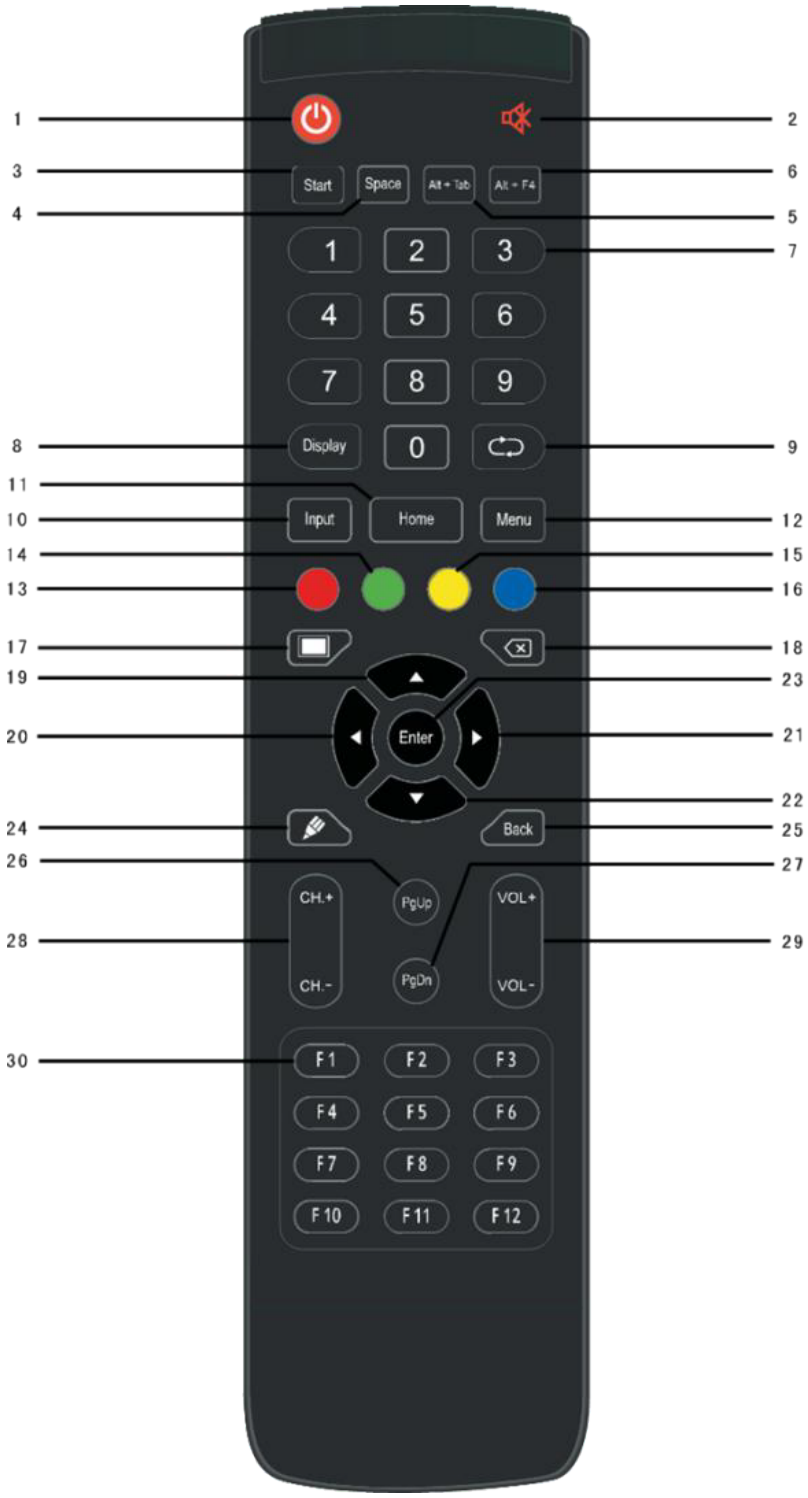
If installing an Avocor OPS module, the "OPS ===>" imprint should be upside down and facing the back panel of the display. If there is no imprint, then the small square fan vent should be facing the same direction as the back panel.

III. **Secure the OPS computer into the slot** using the screws that were removed earlier



That's it! Your OPS should be ready to go. Turn the main power of the display back on and hit the power button on the OPS module to begin operation.

Remote Control



Number	Items	Function description
1		Power on/off
2		Enter or exit mute mode
3	Start	PC's Windows key
4	Space	PC's Space key
5	Alt+Tab	PC's Alt+Tab key
6	Alt+F4	PC's Alt+F4 key
7	Numeric keys	Numeric input
8	Display	Display channel information
9		/
10	Input	Pop up settings menu
11	Home	Return to Android system main screen
12	Menu	Pop up menu
13	Red	Enable or disable keys and Touch
14	Green	Enable or disable keys
15	Yellow	Enable or disable Touch
16	Blue	Pop out or close the screen freezing tools
17		Turn off or turn on the screen backlight
18		PC's Backspace
19		Scroll Up
20		Scroll Left
21		Scroll Right
22		Scroll Down
23	Enter	Confirm selection state
24		Quickly start writing software
25	Back	Return to the last operating interface
26	PgUp	Page Up
27	PgDn	Page Down
28	CH.+/CH.-	/
29	VOL+/VOL-	Increase/reduce the volume
30	F1-F12	PC's F1 - F12 function keys

REMOTE CONTROL BATTERIES

To install batteries in the remote control:

1. Press down the tab on the cover plate and pull the cover plate up.
2. Insert the included batteries. Ensuring that the polarities correctly match the (+) and (-) markings inside the battery compartment.
3. Insert the lower tab of the cover into the opening and press down the cover until it clicks in place.

Notes on Batteries

- Please only use approved AAA type batteries.
- Do not mix an old battery with a new one or different types of batteries.
- If you will not use the remote control for a long time, remove the batteries to avoid damage from battery leakage.
- Do not expose batteries to excessive heat such as from sunshine, fire, or the like.
- Do not recharge, heat, disassemble, short, or throw batteries into a fire.

Notes on Remote Control Operation

- Make sure that there is nothing obstructing the infrared beam between the remote control and the IR receiver on the display.
- If the effective range of the remote-control decreases, or it stops working, replace the batteries with new ones.
- The remote control may fail to operate if the infrared remote sensor is exposed to bright sunlight or fluorescent lighting.
- Ambient conditions may impede the operation of the remote control. If this happens, point the remote control at the display, and repeat the operation.

Remote Control Sensor

The effective area of the remote control includes the vertical distance within five metres in front of the display, and the area within an angle of 30 degrees from the vertical point to the left and the right.

OPERATION

The Avocor AVS-7500 is our smart display featuring an intuitive touch interface for source navigation and OSD menu configuration. This chapter will provide information and best practices for operating the home-screen and the various on-screen display (OSD) menu settings to help facilitate the best possible user experience.

⚠Precaution

Please read the following precautions regarding normal operation carefully. Failure to follow the cautionary points therein may cause damage to the screen not covered by Avocor's warranty policy.

- If you encounter a problem during installation, please contact your dealer or Avocor support for assistance. DO NOT attempt to repair or open the display yourself.
- Always avoid placing the display flat face-down or face-up. DO NOT attempt to use the display lying flat on its back at any time.
- DO NOT set a static (non-moving) image on the display for an extended period of time, as this may cause image retention, or "burn-in" which is not covered by warranty.
- **RECOMMENDED USAGE HOURS:**
    - Turn off the display for at least **8 hours** after every 16 hours of usage in a 24-hour period.

Settings

Key Feature：

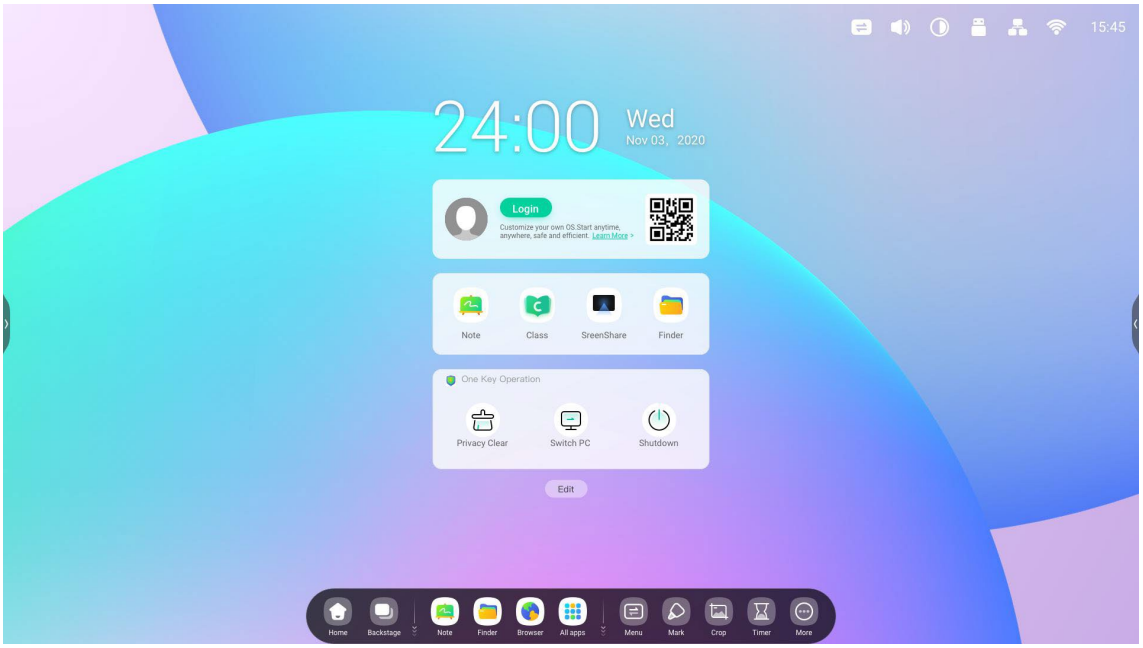
AVS -7500 OS Settings

Account

Users always have to focus on various preparations, find their files in public space, check to store or clean the data before leaving. It is inefficient and difficult.

Bytello Account is a cloud-based solution for users to customize their workspace. Users can login on any device to have a safer, more efficient, personalized experience.

Public device status：

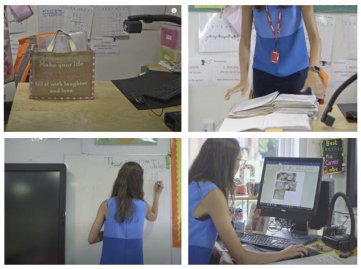


Personal Status

Question for teachers

Public workspace

Teachers always have to



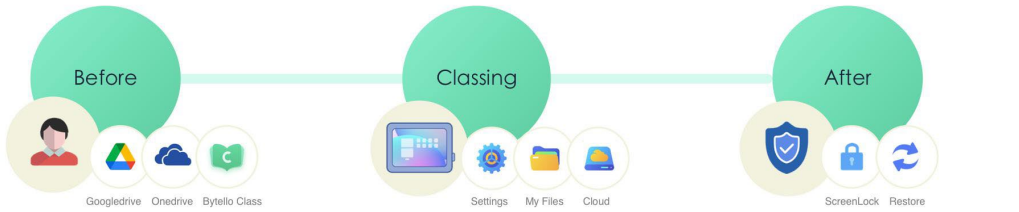
* focus on various preparations

* find their files in public space

* check to store or clean the data

Solution for teachers

Personal workspace



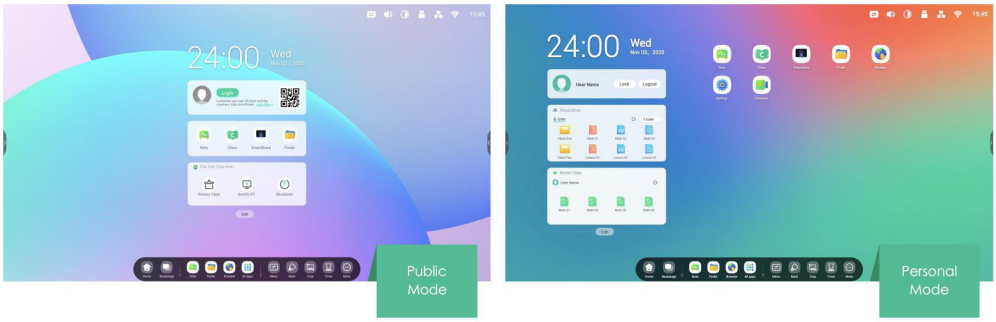
Login anywhere for personal files

Login for personal OS that easy to use

Lock with personal password that is safe

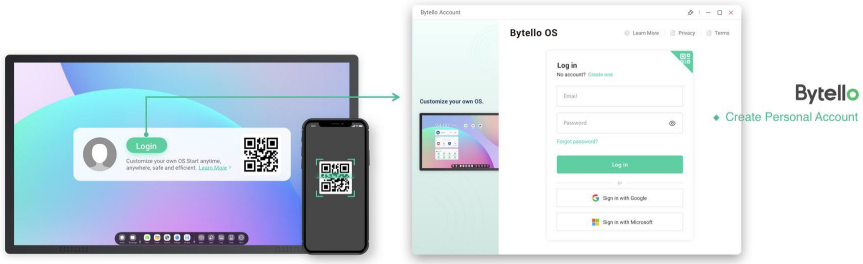
Solution for teachers

Account Manager



New Features 01

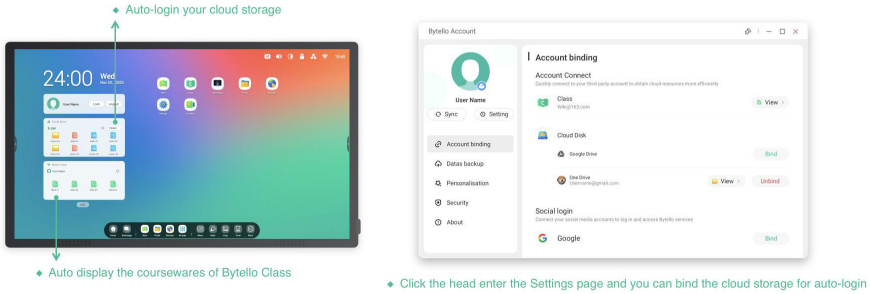
Quickly Log with Multiple ways



Log with QR code, Personal Email, Google or Microsoft accounts.

New Features 02

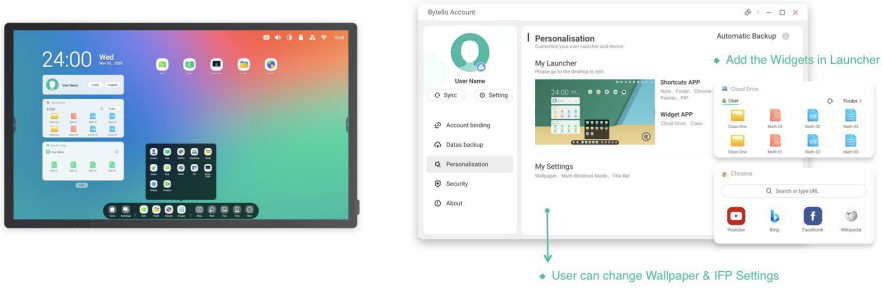
Auto-Login your Cloud storage



Auto-login personal accounts like Googledrive by binding.

New Features 03

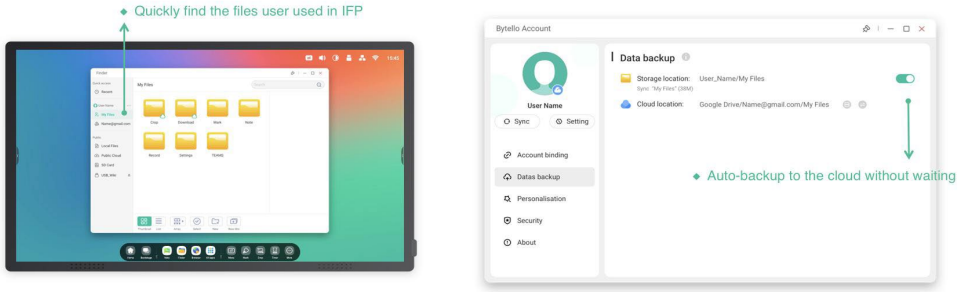
Create your teaching workspace



Personalized your Wallpaper, Widget, Shortcut and IFP Settings.

New Features 04

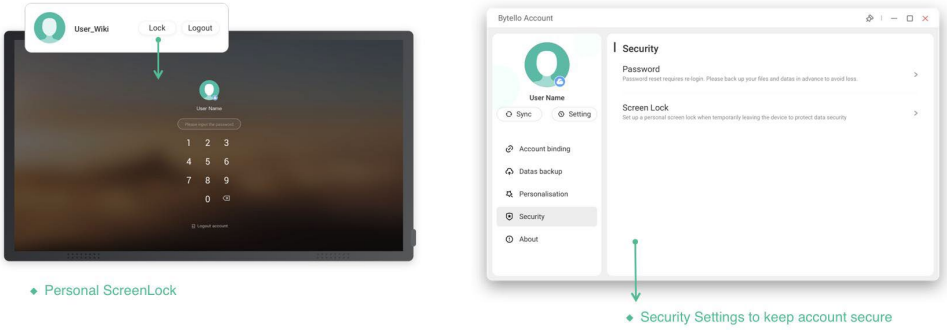
Separated user storage space



Quickly find and manager the files you used in this device.

New Features 05

Help you keep your account secure



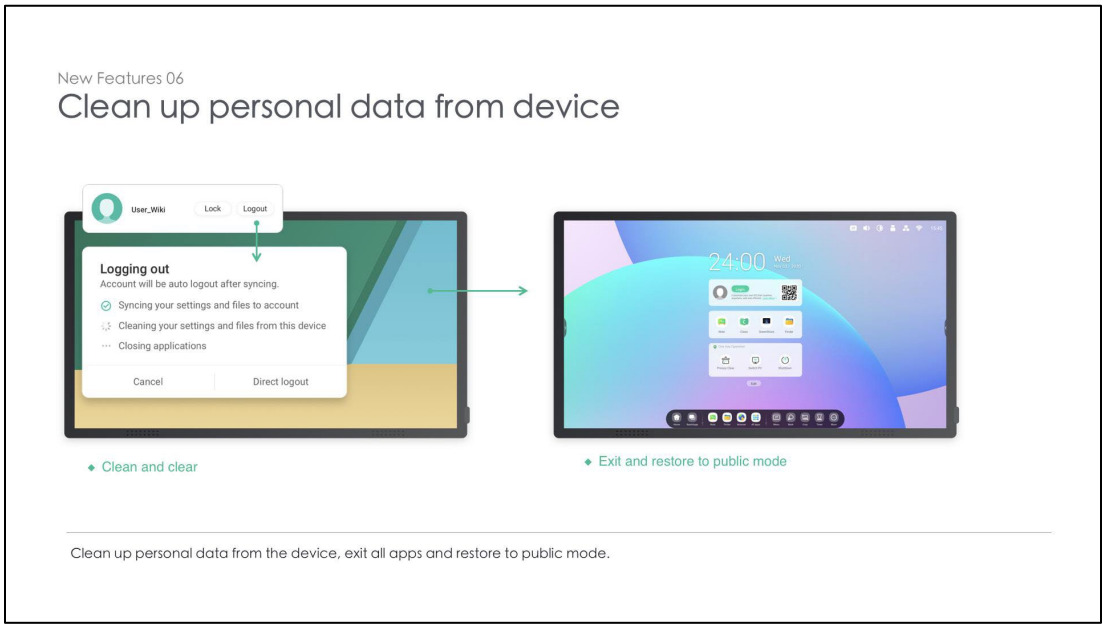
Personalized your password and screen lock.

Launcher and Widgets

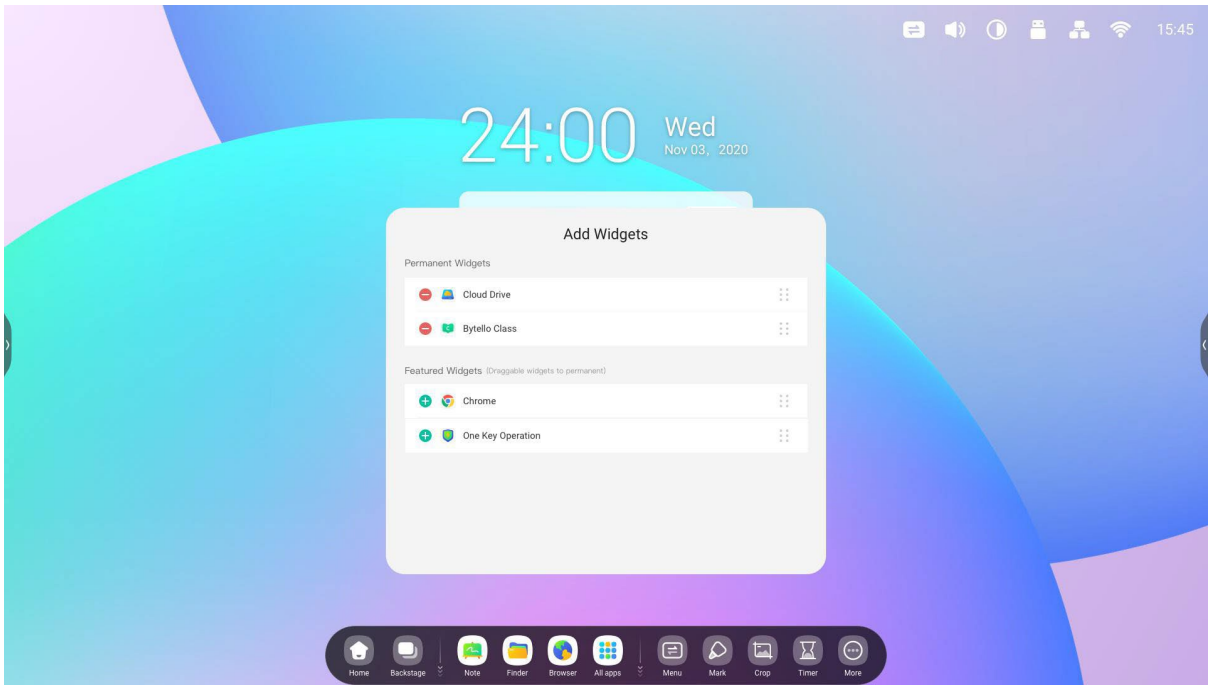
2.1. Launcher & Widgets

In order to allow teachers to easily and efficiently start classes, Launcher has added a widgets area for teachers. In the middle, we integrate a variety of different widgets. Usually the launcher is simpler, so Teachers don't need to worry about a messy and ugly desktop. In addition, we have customized a variety of wallpapers for teachers to use.

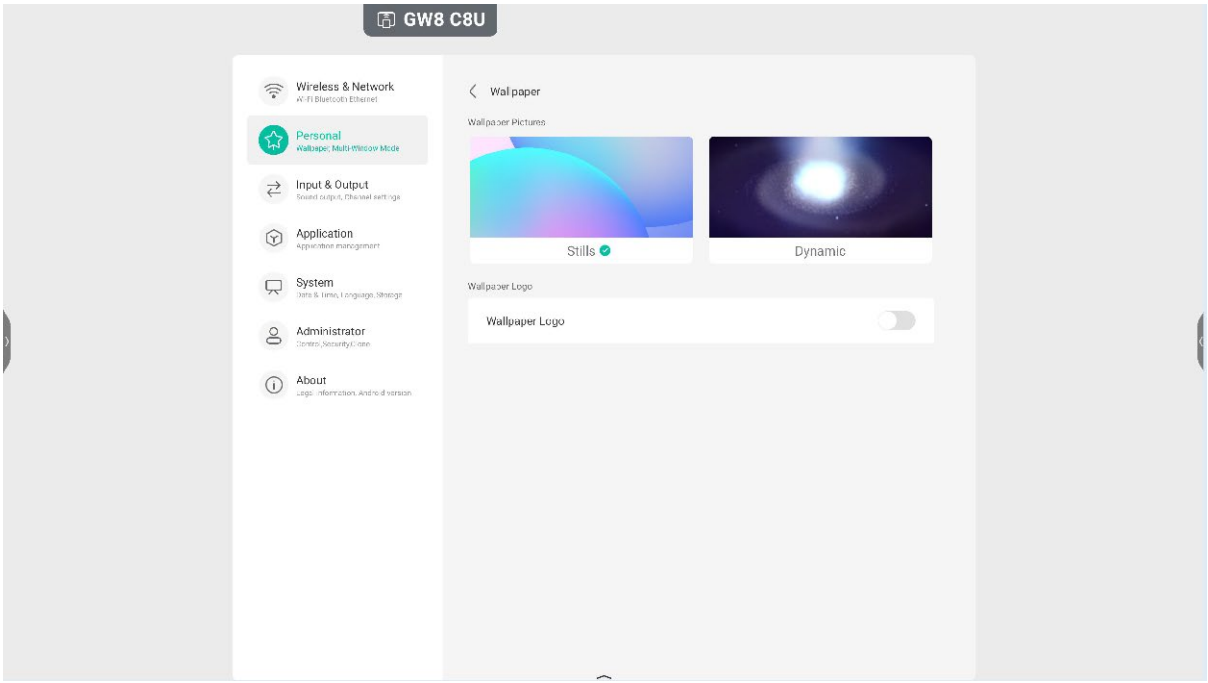
1. Power on the Launcher is displayed by default Home screen:



2. Custom widgets types with edit button:


15:45
24:00
Wed
Nov 03, 2020
Add Widgets
Permanent Widgets
Cloud Drive
Bytello Class
Featured Widgets (Draggable widgets to permanent)
Chrome
One Key Operation
Home
Backstage
Note
Finder
Browser
All apps
Menu
Mark
Crop
Timer
More

3. Customize the colorful wallpapers:

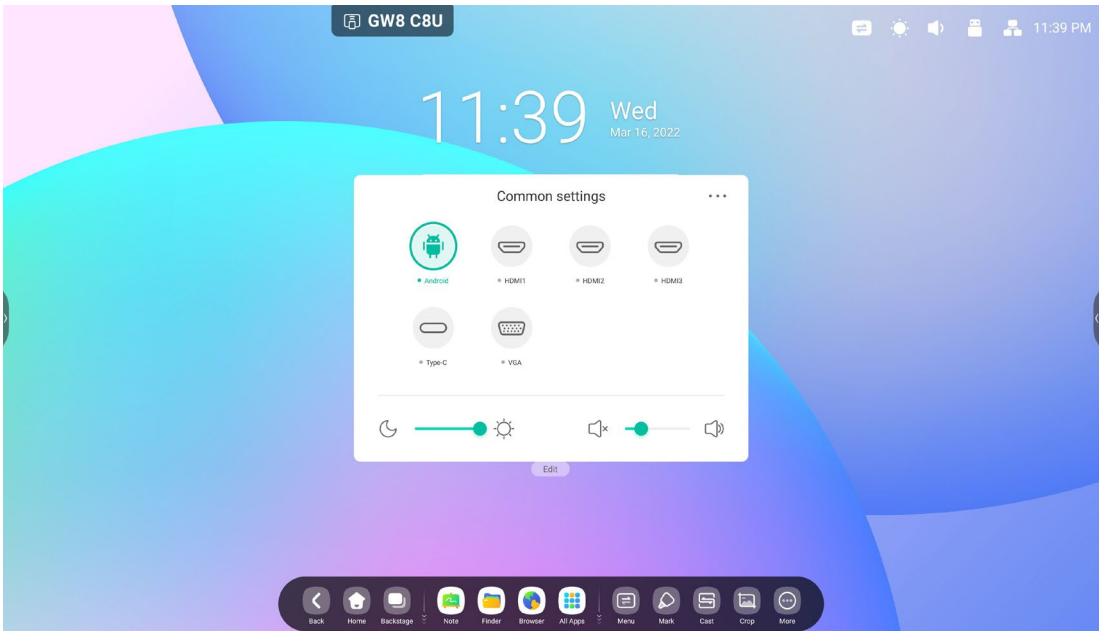


Status Bar

The upper right area is the top status bar, which includes:

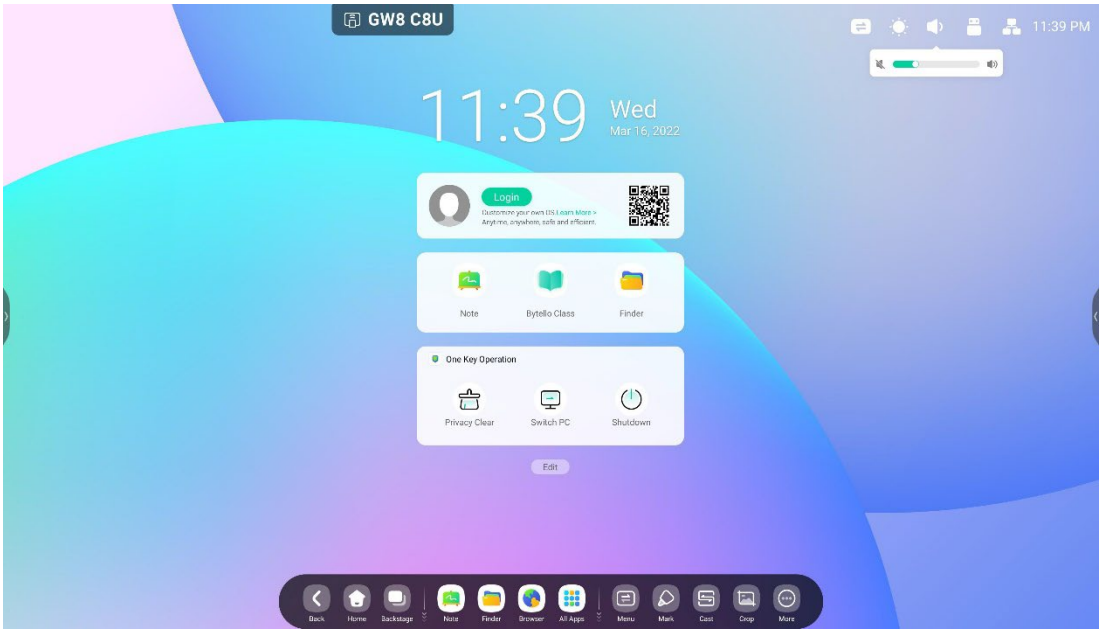
Touch Menu

Click the icon will open Touch Menu that you can switch the input sources.



Brightness and Sound

Click the icon will open quick operation pop-up window that you can customize the adjustment.

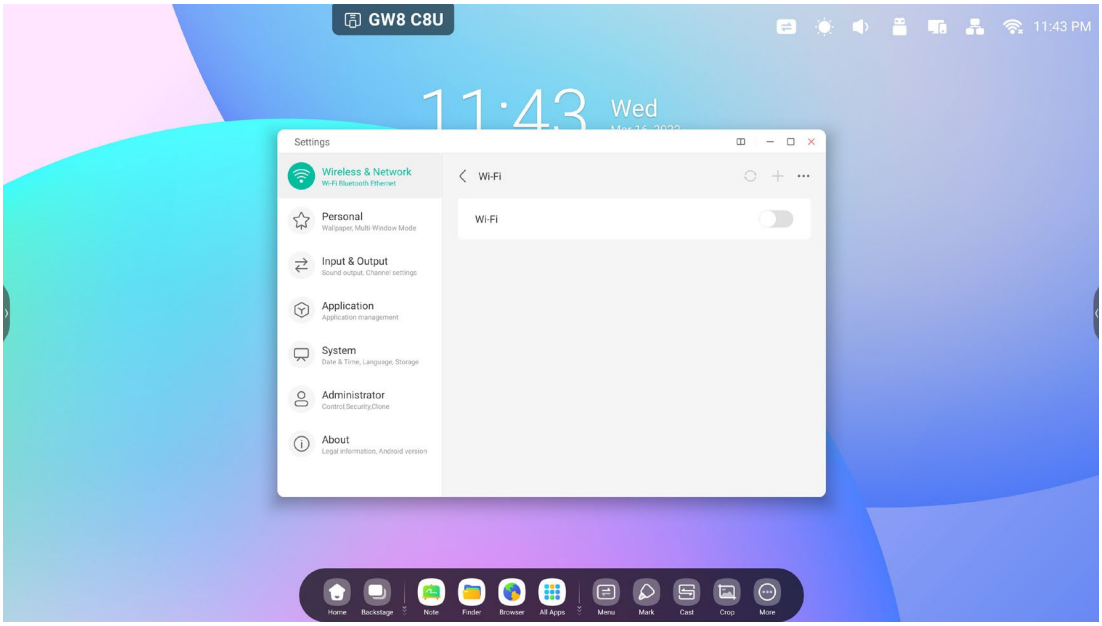


Ethernet

Click the icon on the top right bottom will open the " Settings > Ethernet" page.

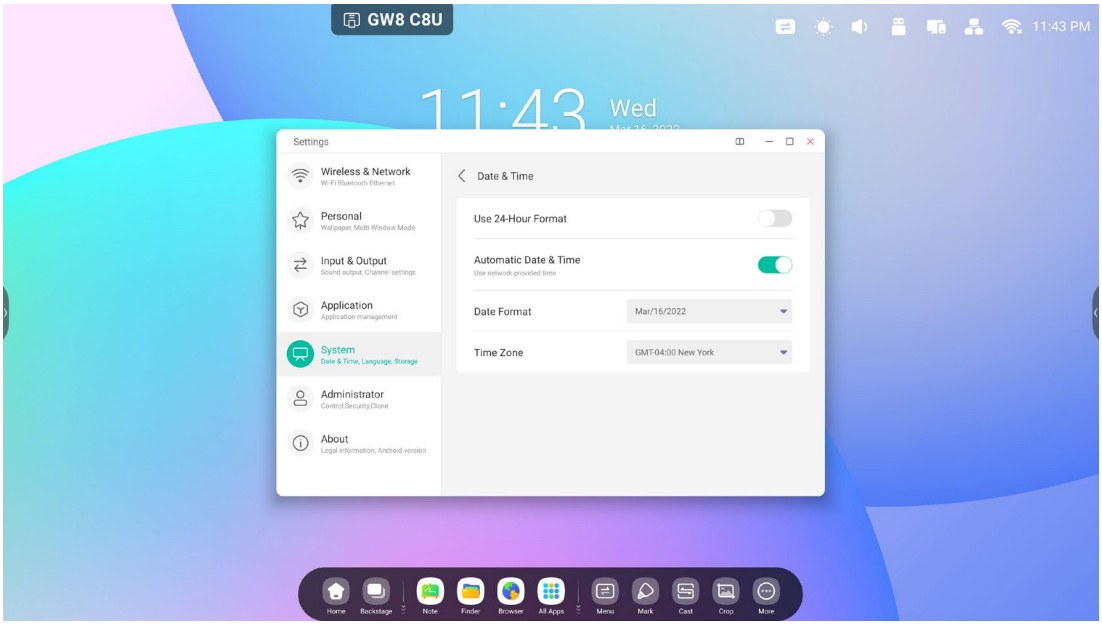
Wi-Fi

If you insert a Wi-Fi module, there will be an icon on the upper right corner. Click it will open the " Settings > Wi-Fi" page.



Time

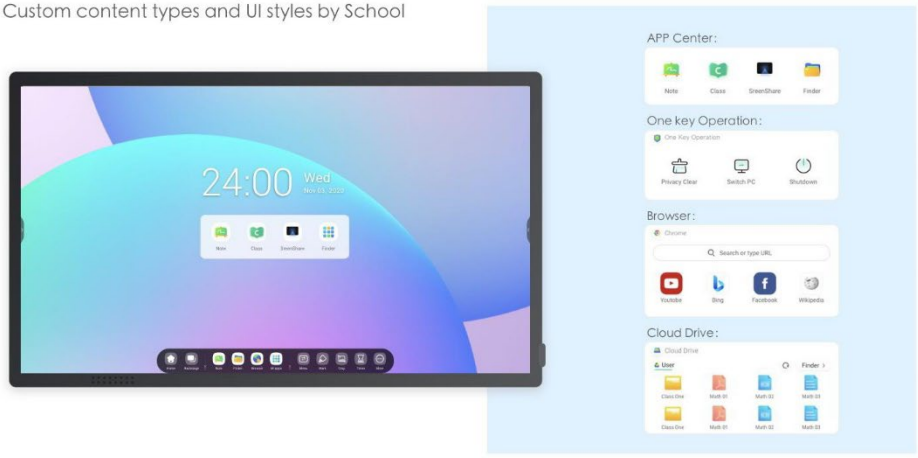
Click the will open the " Settings > Date&Time" page



Widget Area

Widgets

Custom content types and UI styles by School



Different types of widgets: shortcut operations, information display

Personal Account

Custom content types and UI styles by users

One-click to auto-login your Clouddrive and your Launcher.

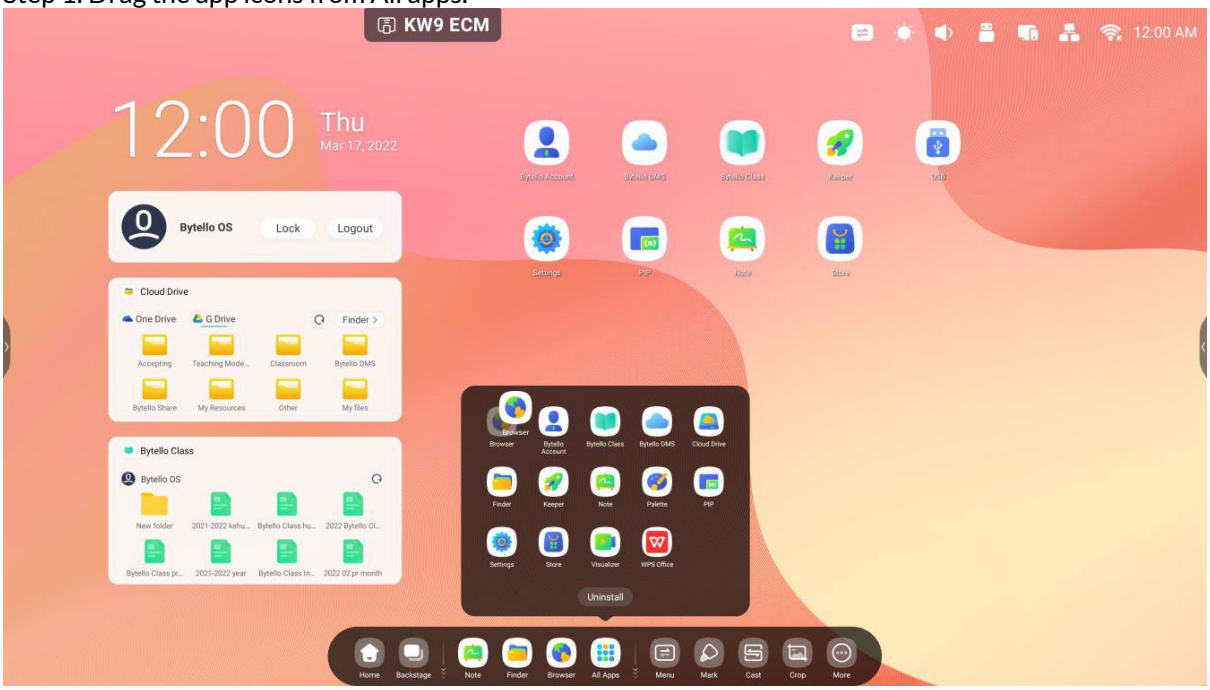
Shortcut area

Login teacher personal space and there is a shortcut area, the types include:

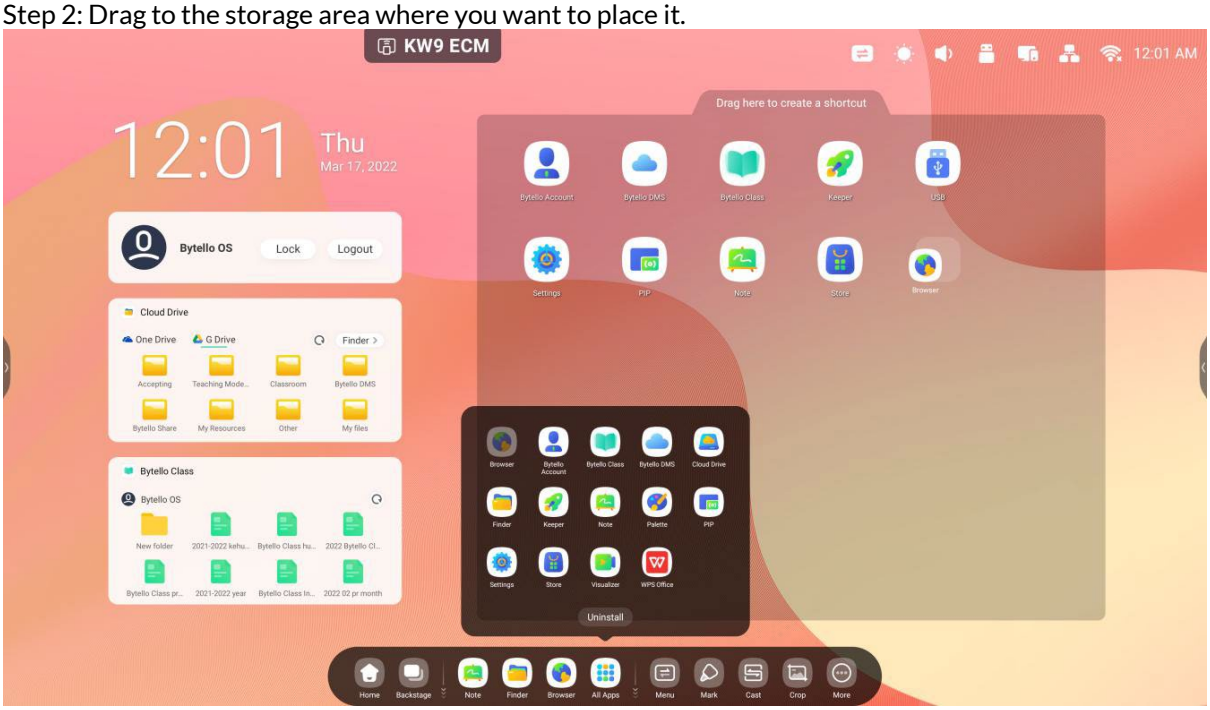
Application shortcut

Drag the icon from All apps to Launcher to create.

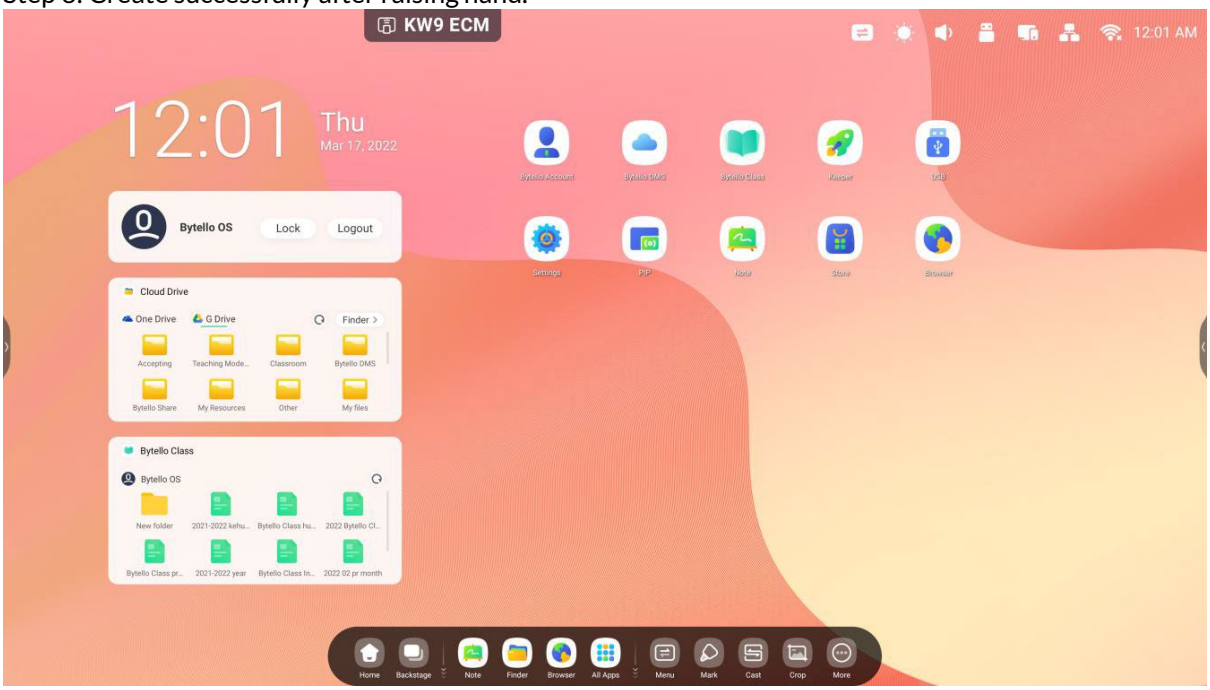
Step 1: Drag the app icons from All apps.



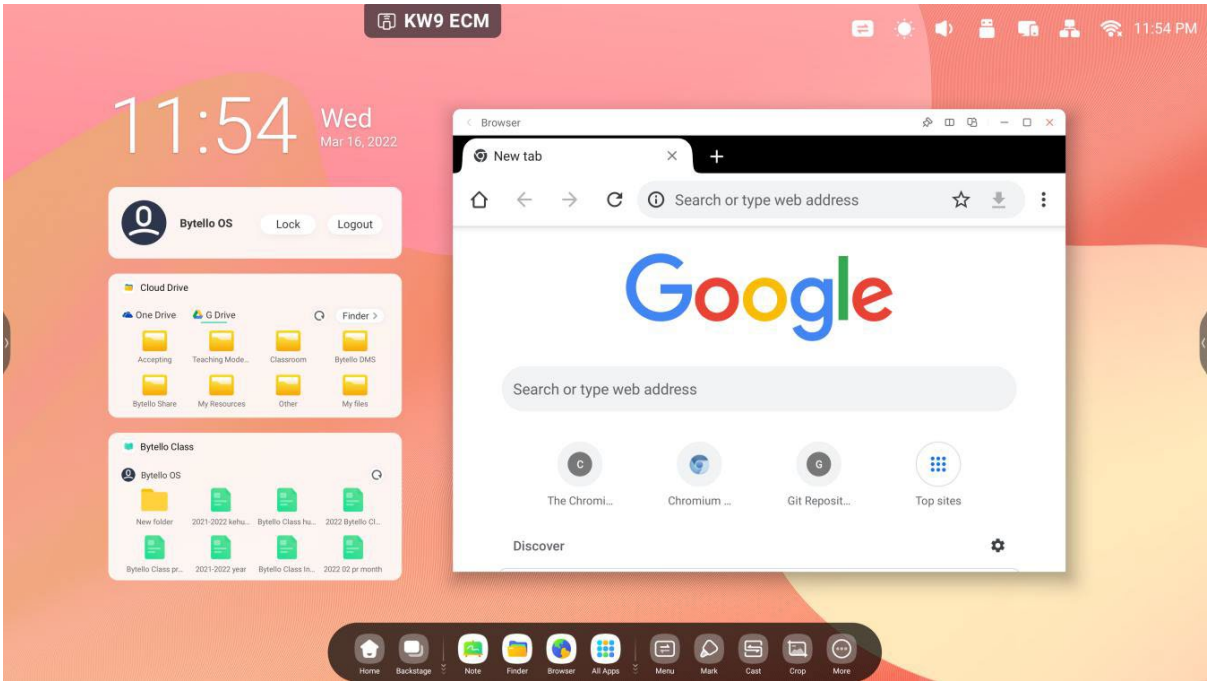
Step 2: Drag to the storage area where you want to place it.



Step 3: Create successfully after raising hand.



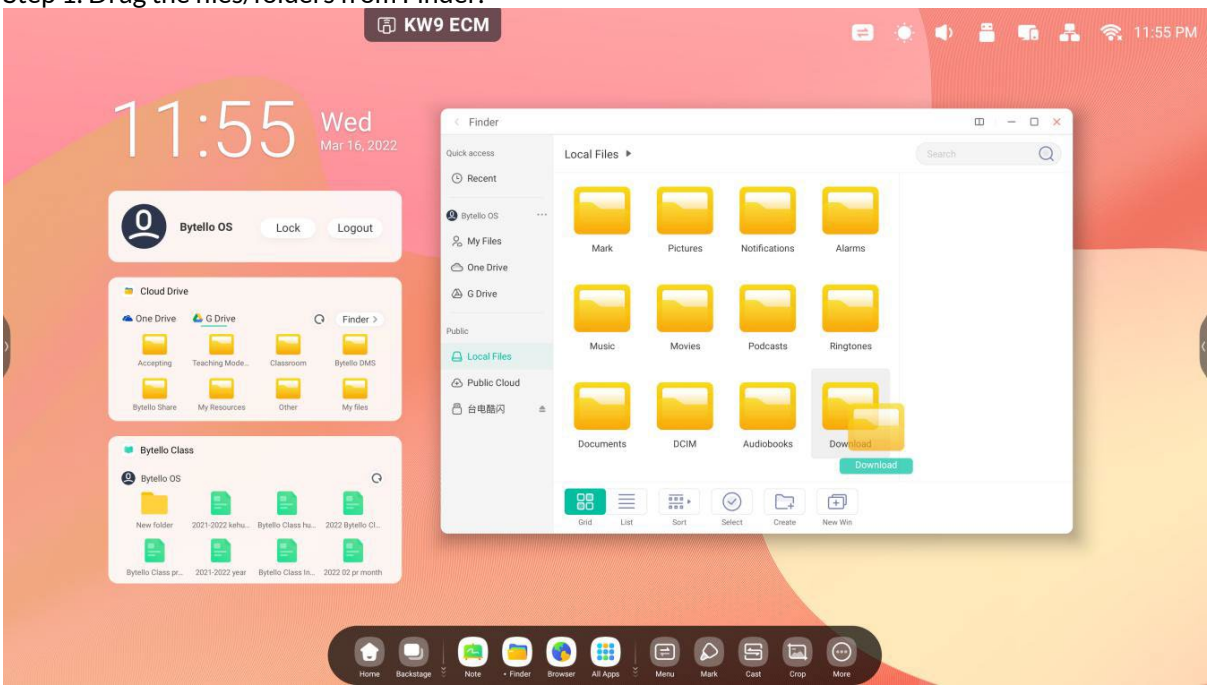
The application can be quickly launched by clicking the icon now.



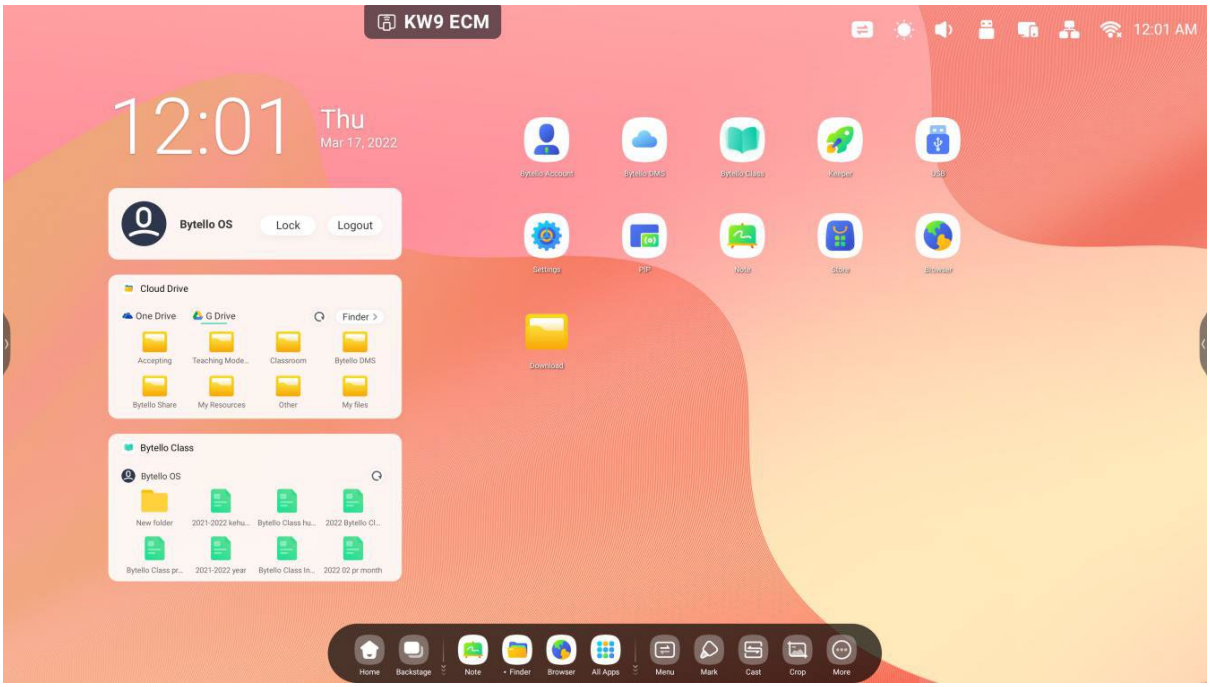
File Shortcut

Drag or send files/folders from Finder to Launcher to create.

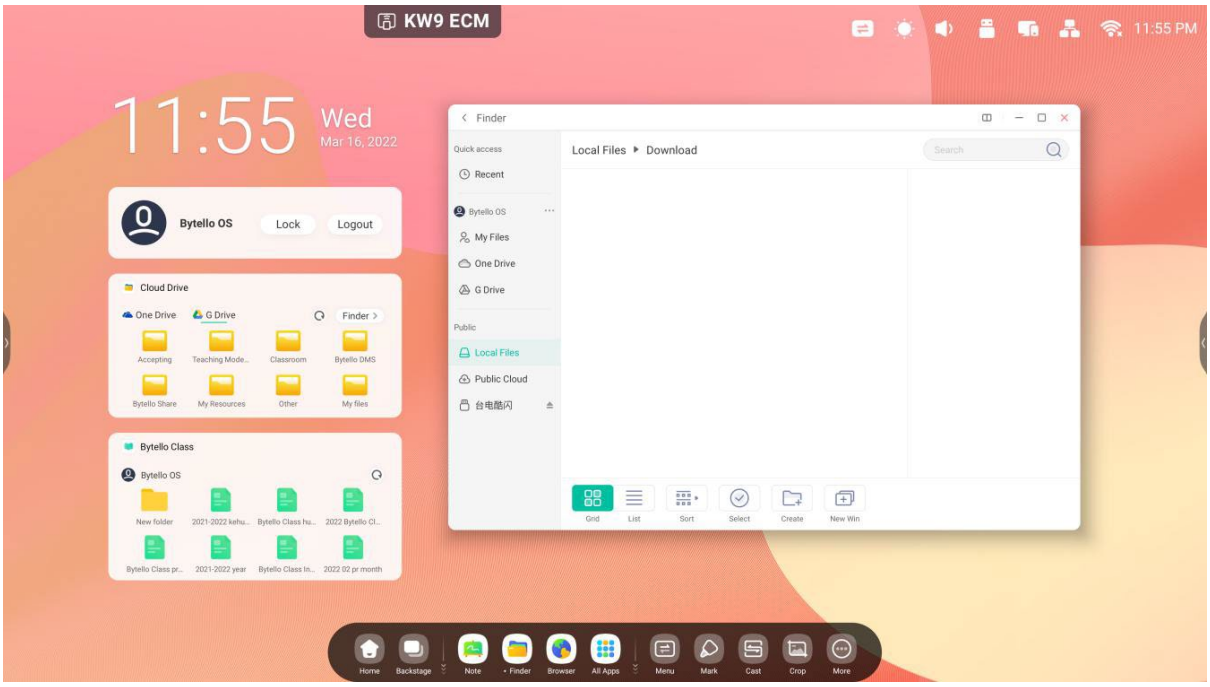
Step 1: Drag the files/folders from Finder.



Step 2: Drag to the area where you want to place it.Create successfully after raising hand.

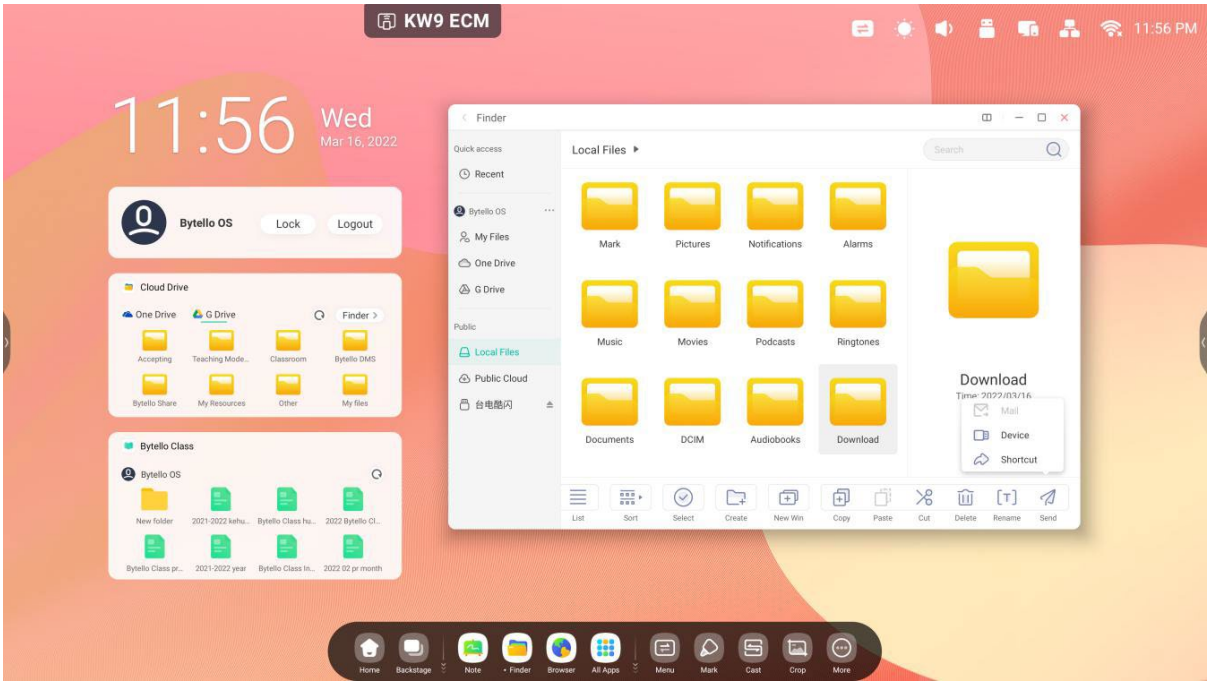


The folder path can be quickly open by clicking the icon now.



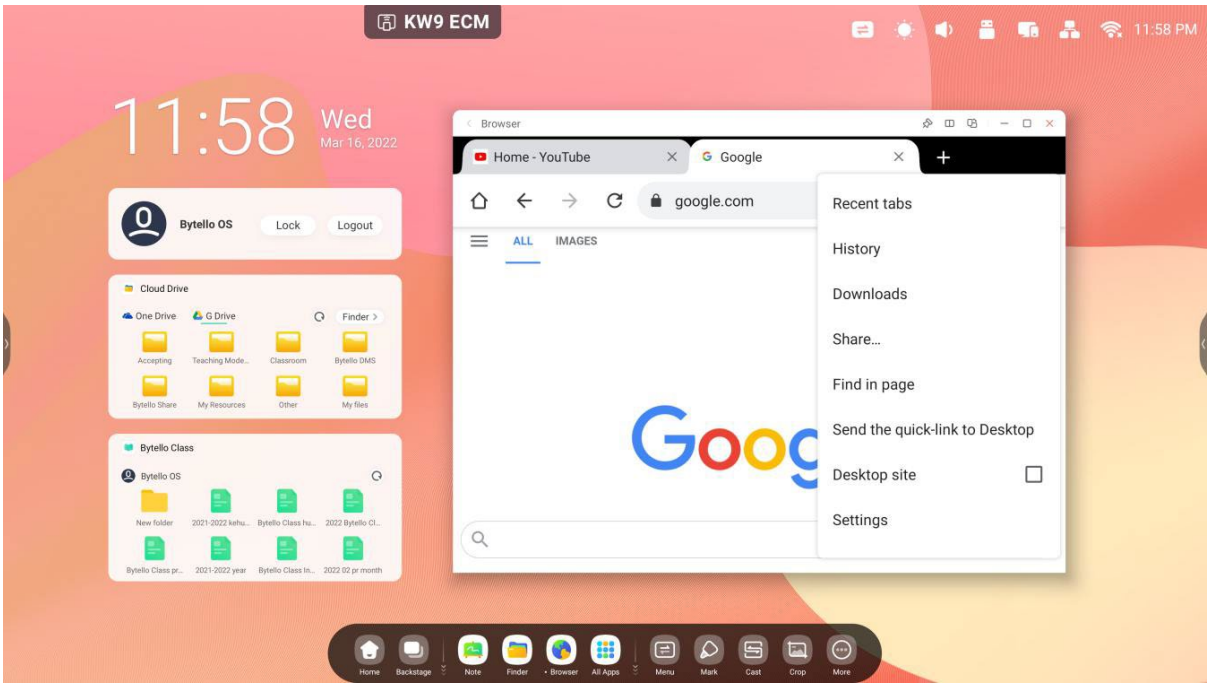
Tips 1: There is another way to create.

Select the file > click on the bottom 'Send' > select 'shortcut' to create.

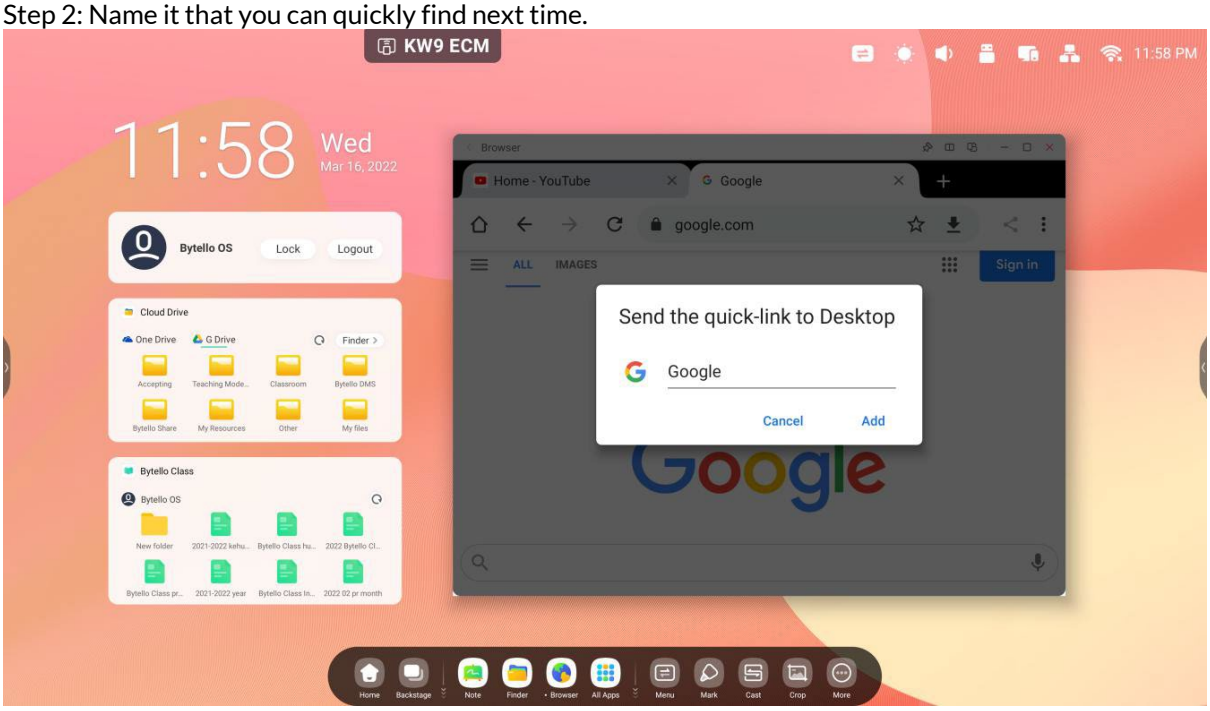


Website shortcut

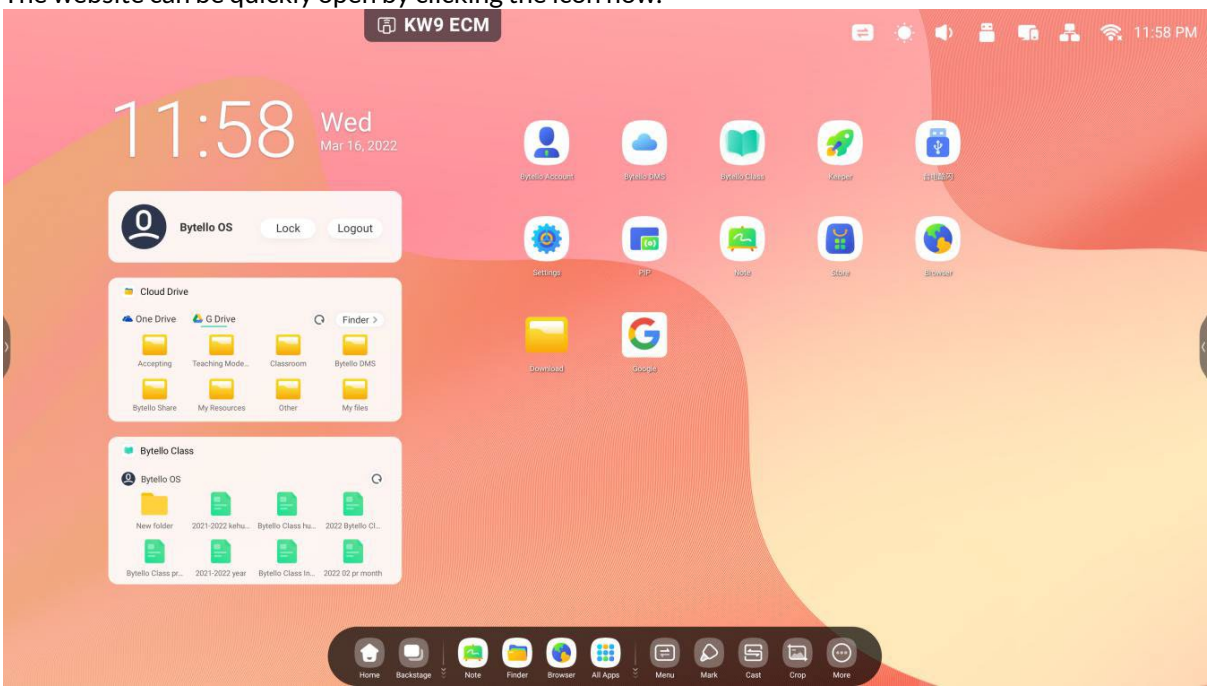
Step 1: Open the website you want and click 'Send the quick-link to Desktop'.



Step 2: Name it that you can quickly find next time.

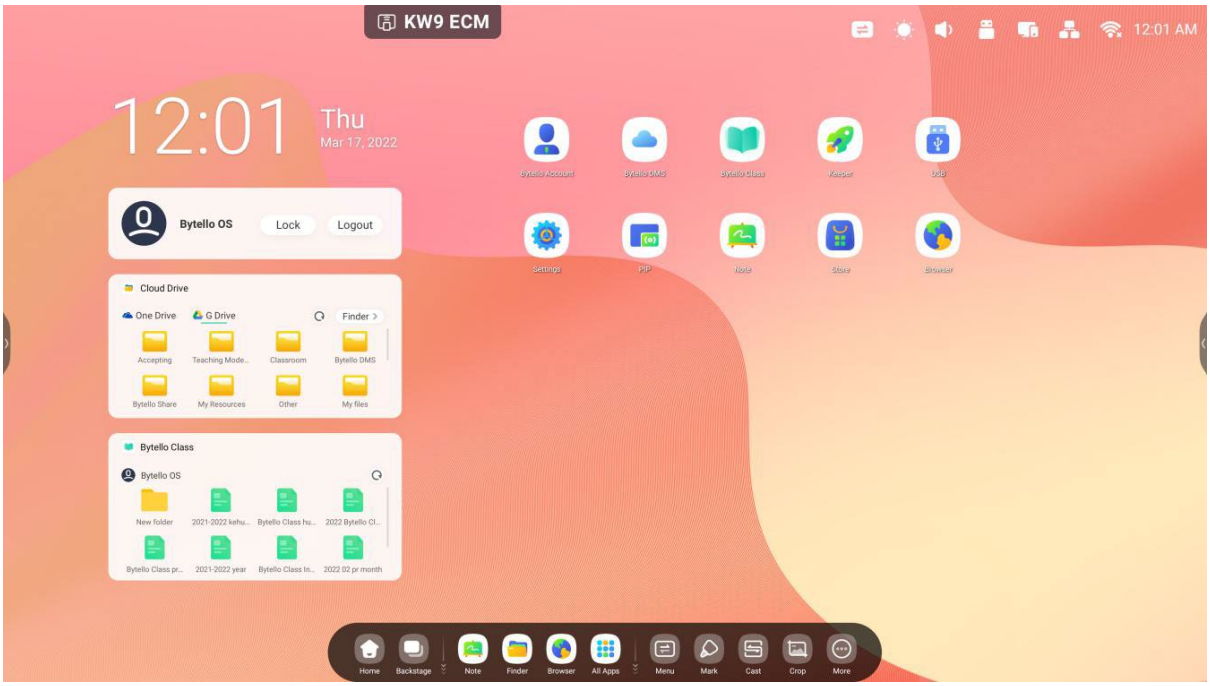


The website can be quickly open by clicking the icon now.



USB Shortcut

If you insert a USB flash drive, there will be a shortcut entry in Launcher. Click it will open your USB flash drive in the Finder.

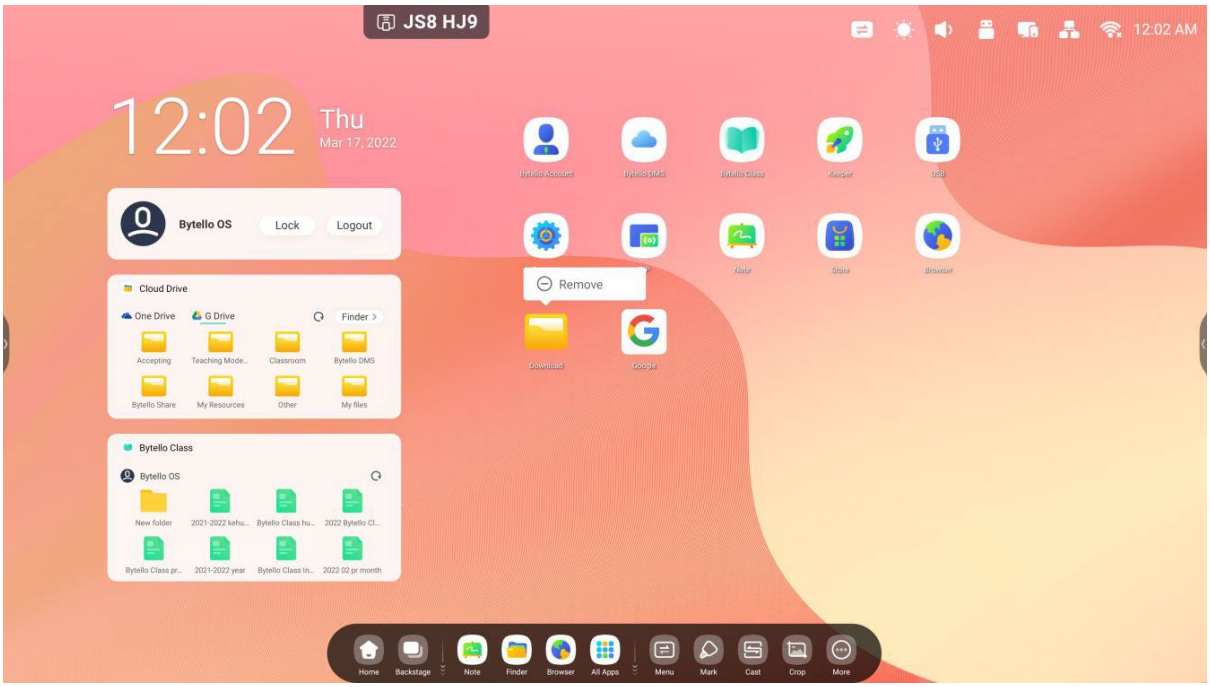


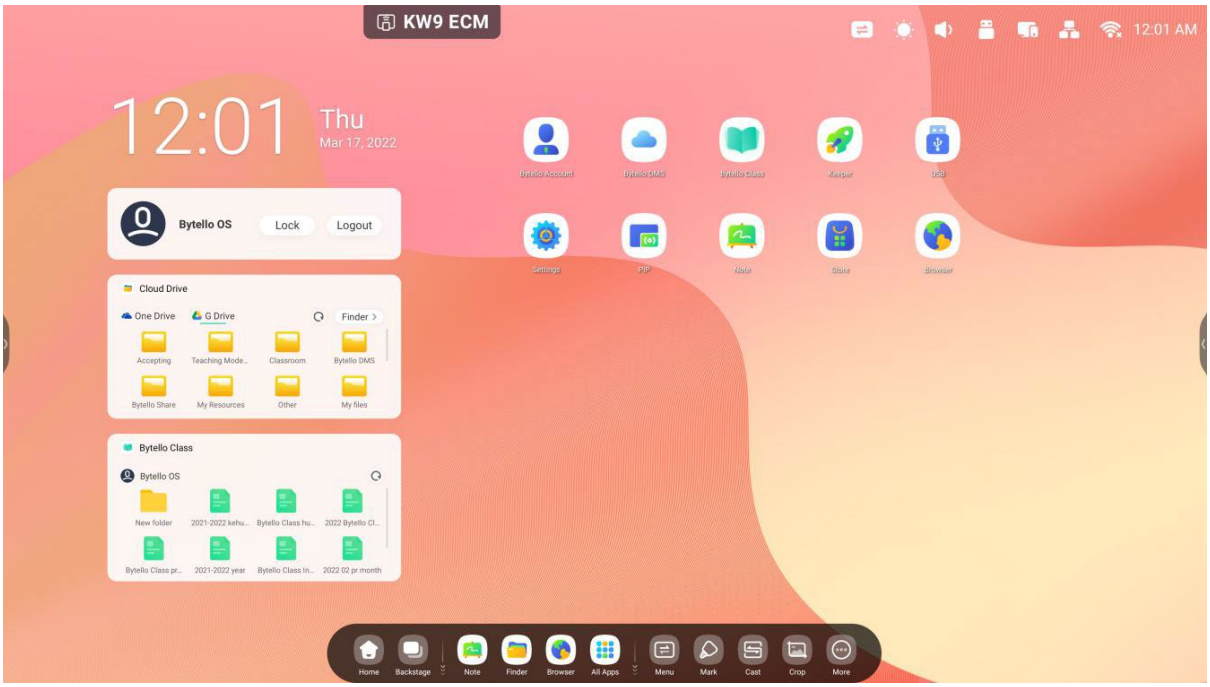
Shortcut Management

Long press or drag shortcuts to manage：

Remove

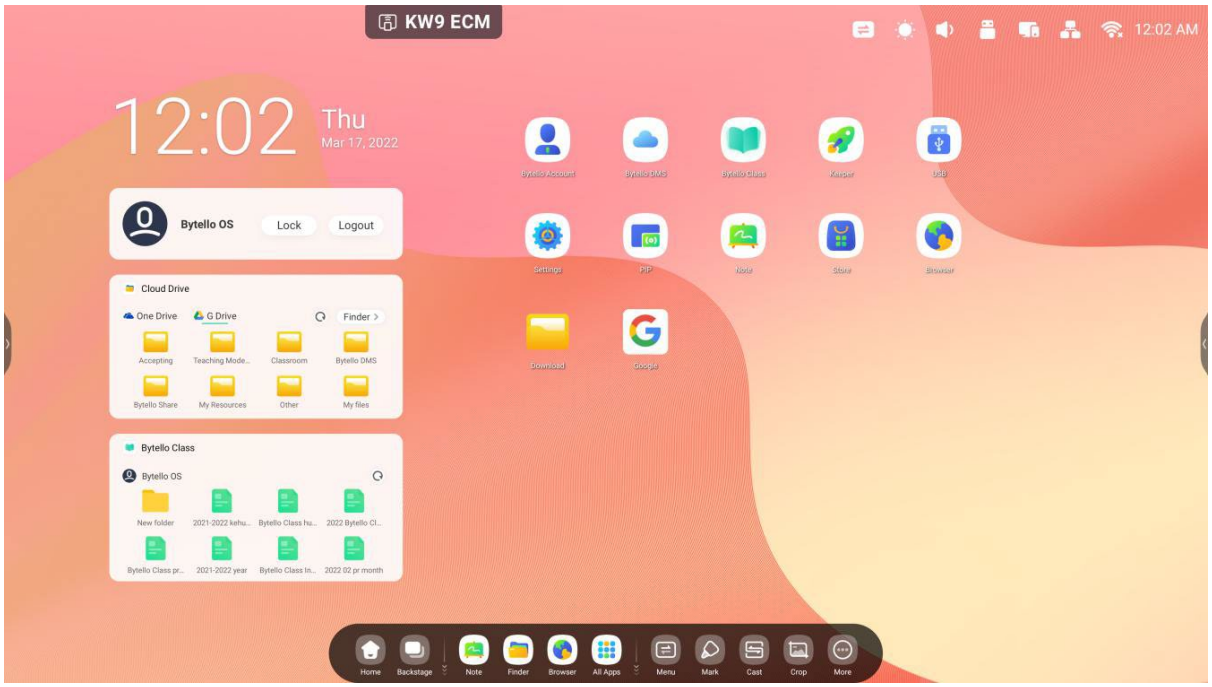
Long press the icon to pop up the menu bar, click 'remove' to remove the shortcut entry in Launcher.

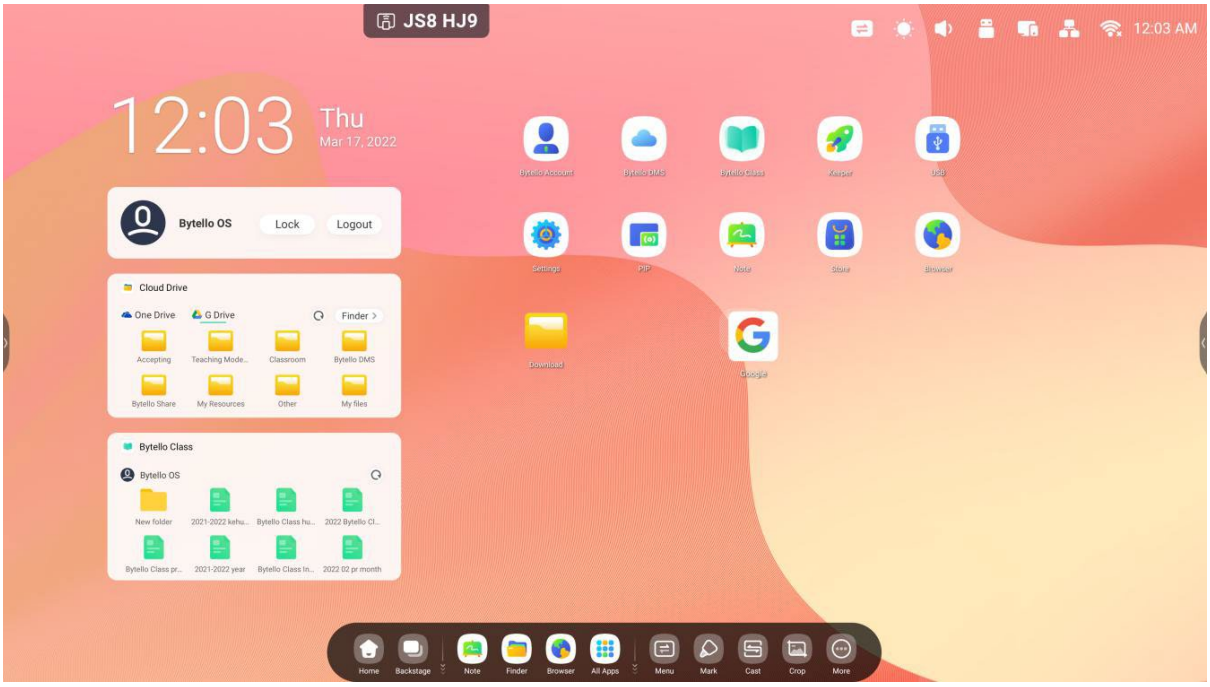




Change Position

Long press and drag to change the position in Launcher.





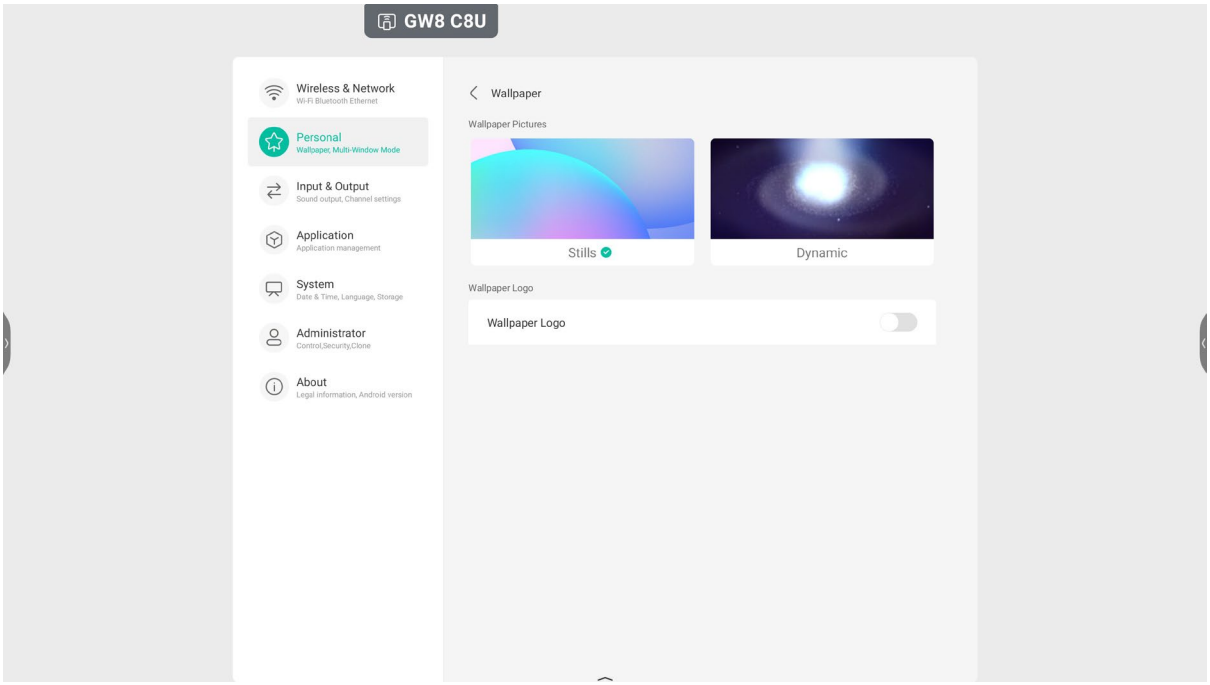
Wallpaper

Launcher has customized wallpapers for teachers to choose: Open " Settings > Personal > Wallpaper > Stills" page to set the wallpapers.

Still wallpaper

Dynamic wallpaper

Wallpaper logo



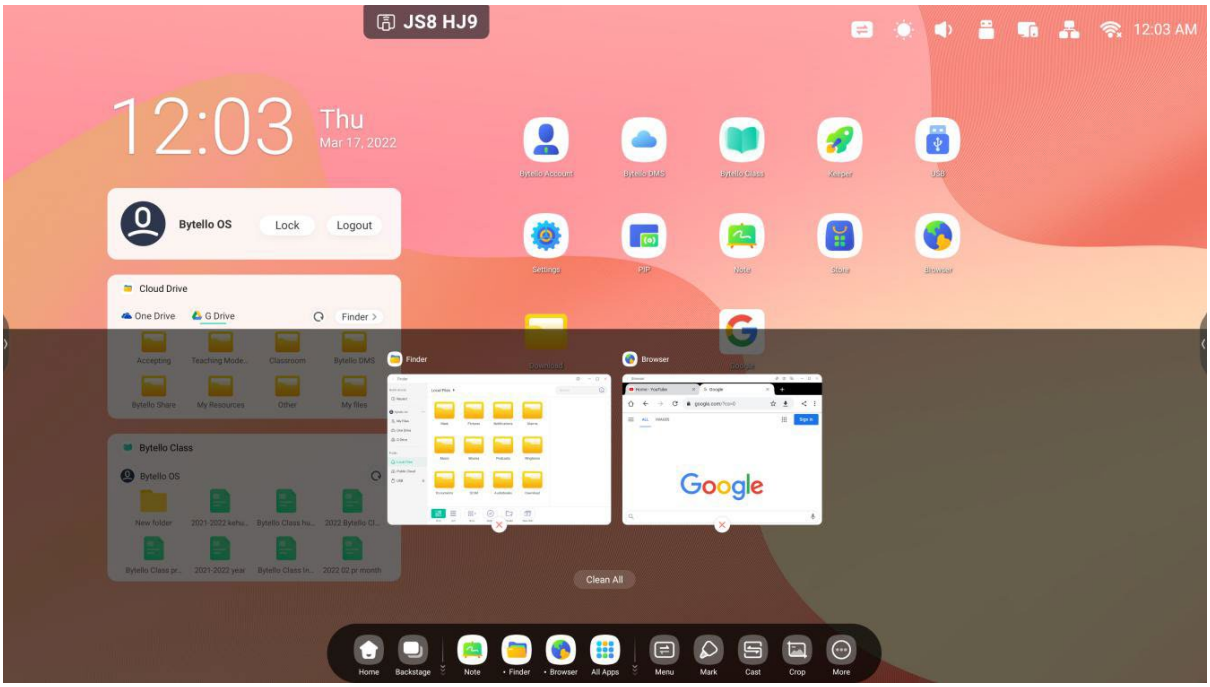
System Bar

The system bar provides teachers with a solution for a centralized and efficient way of managing and switching tasks and using tools in multiple scenarios.

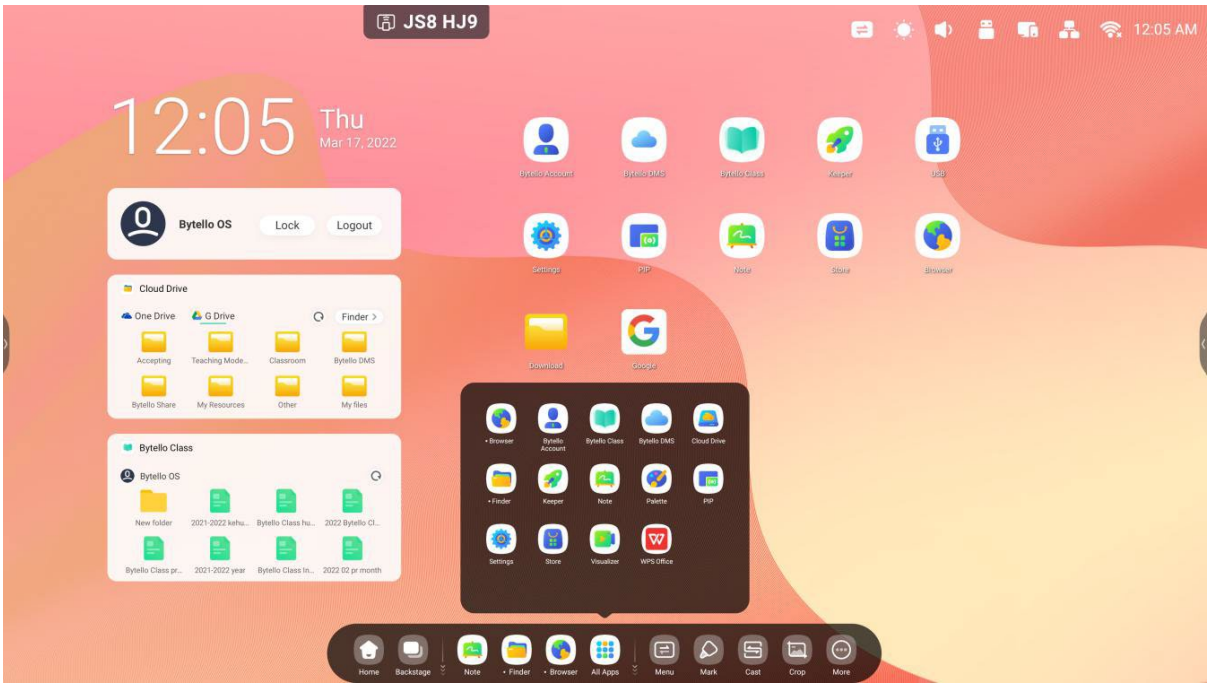
The system bar can essentially be viewed in three sections: Task Manager, Application Manager and Tool Manager. This supports teachers by allowing them to customize their own configuration and management according to their lesson delivery habits. By default, we provide entrances at the bottom and both sides for the teacher, and the teacher can also configure the hide/show in Settings according to using habits.

1. Centrally control the progress of input sources, tasks, apps, and tools:

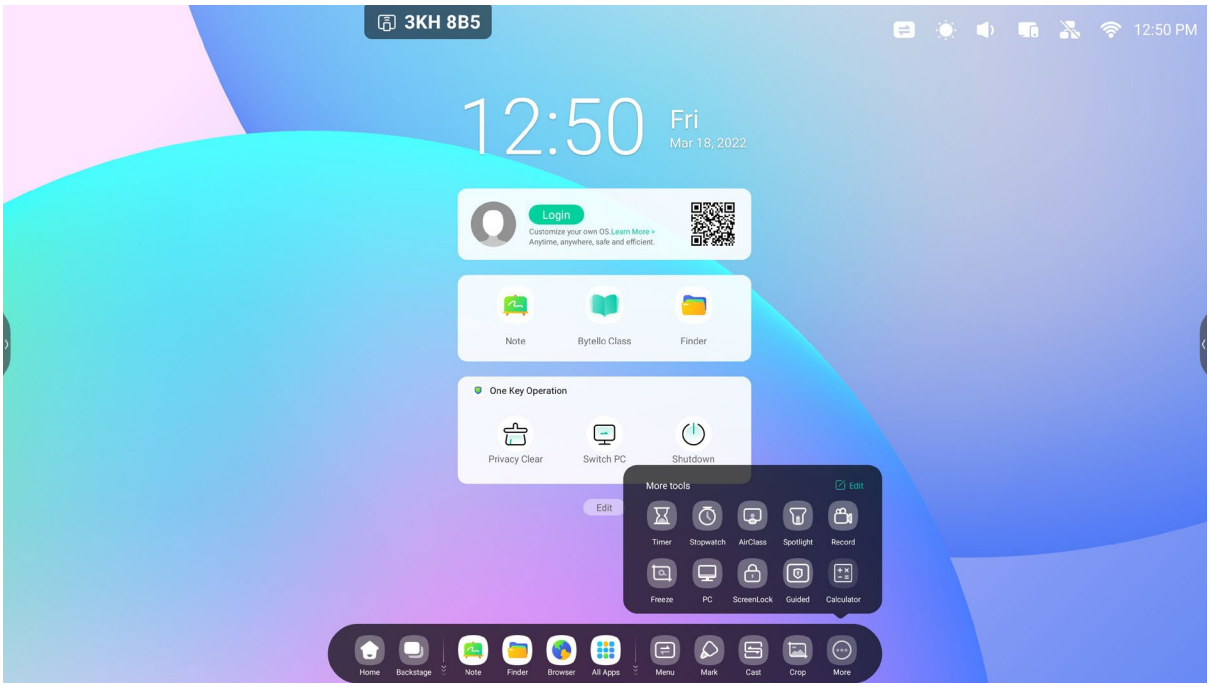
Running apps:



All apps:

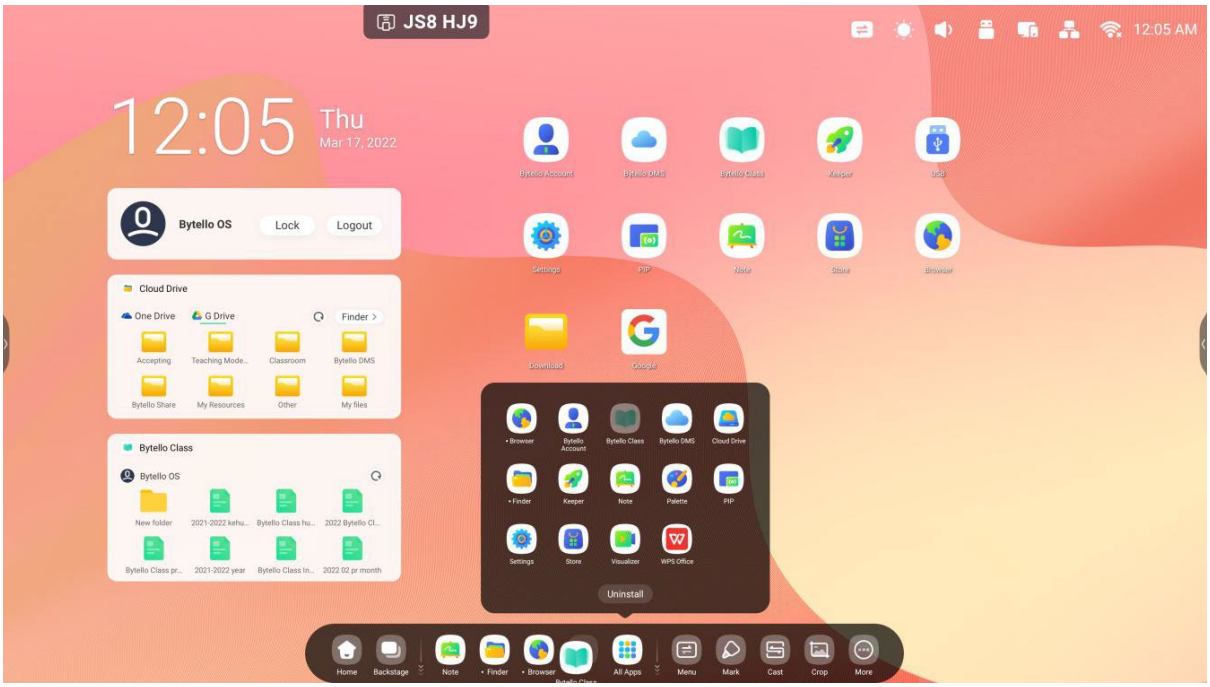


All tools:



2. Customize the display of System bar, including content and position:

Customize content:



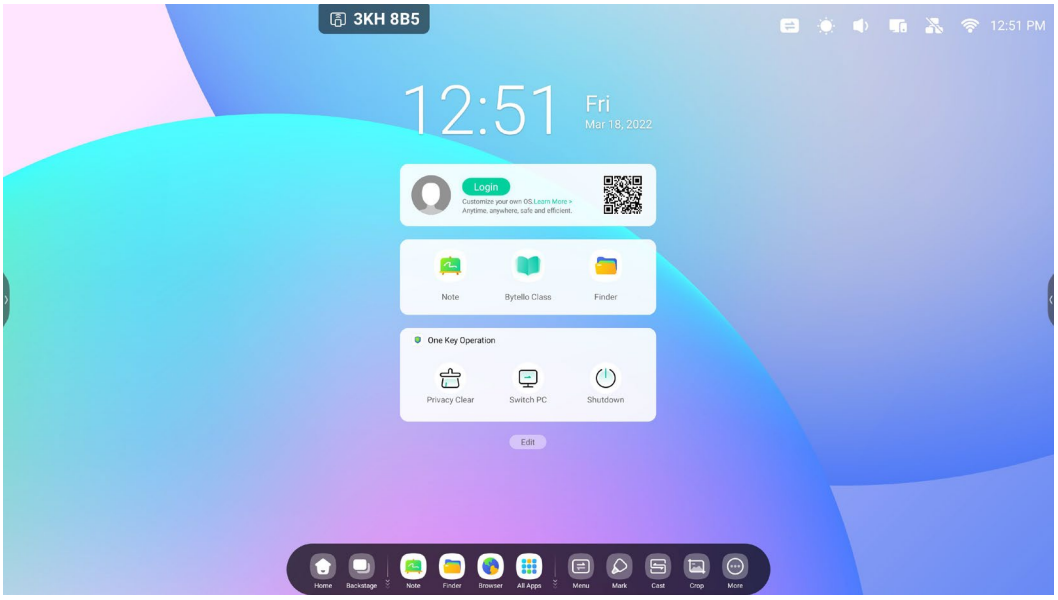
Navigation Bar

Task manager in System bar, control the progress of the tasks here:

Content	Description
2.2.1.1 Back	Click to return to the last operating interface.
2.2.1.2 Home	Click to return to the desktop.
2.2.1.3 Backstage	Click to pop out the window and display the recent apps and input sources.

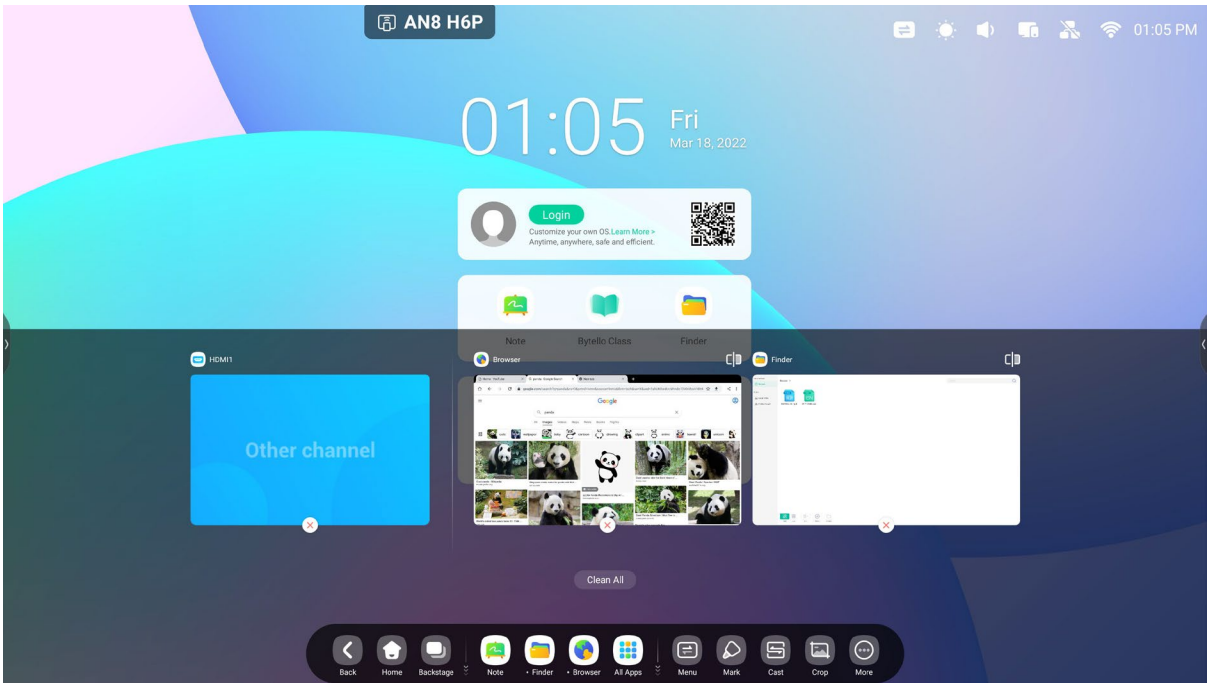
Full-Screen Mode：

Mul-Windows Mode：



Backstage

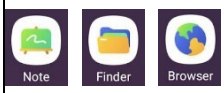
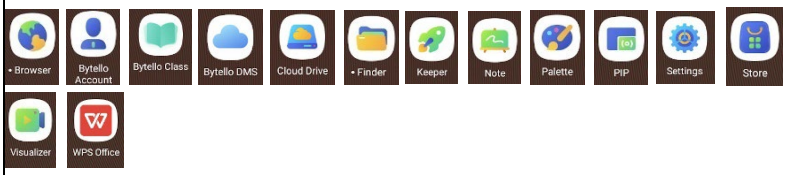
You can delete all the progresses by one key 'Clean all' or delete progresses by dragging up. You also can click one of the processes to enter the process.

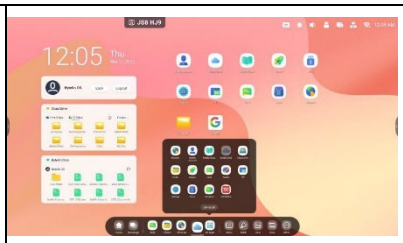


Application Centre

start and manager in System bar, you can find all apps here:

Apps start and manager in System bar, you can find all apps here:

Content	Description
Default shortcut	 The default apps displayed in System bar: Note, Finder, Browser. Click on them to start the process.
All apps	Click to view all apps.  The apps installed by default include: Browser, Bytello Account, Bytello Class, Bytello DMS, Cloud Drive, Finder, Keeper, Note, Palette, PIP, Settings, Visualizer, WPS Office
Running apps	Click on the running app to continue its process. Display the status of running applications in all applications

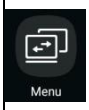
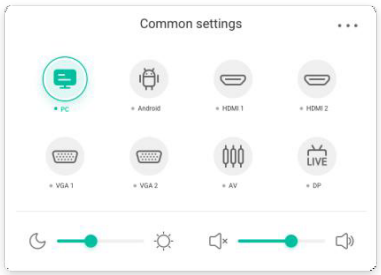
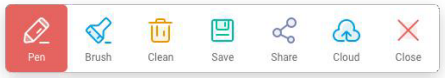
Replace shortcut	 When there are 5 shortcuts, the user can drag other app icon to replace the original shortcuts

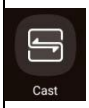
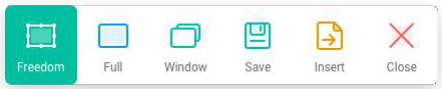
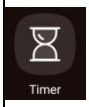
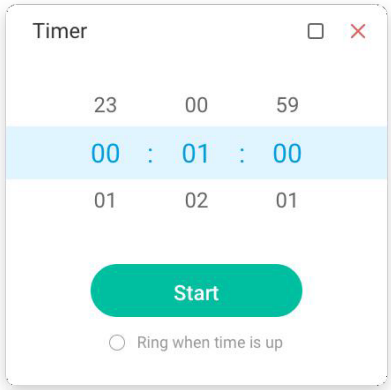
Small Tools

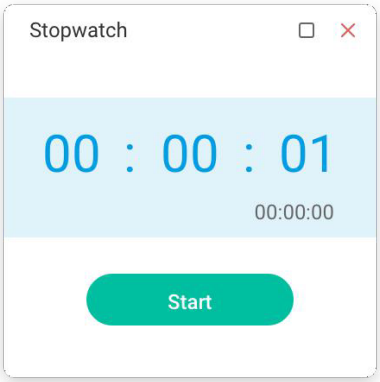
With the tools, the teacher can enhance interactive learning with students for a fun experience:

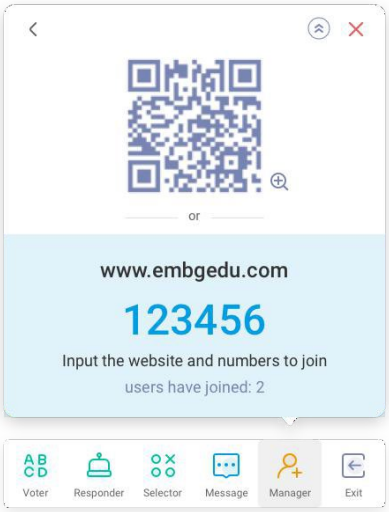
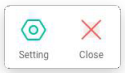
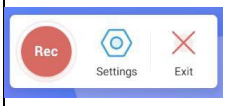
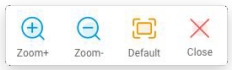
Tools List

Including Menu, Mark, Cast, Crop, Timer, Stopwatch, Airclass, Spotlight, Record, Freeze, PC, Screen Lock, Guide, Calculator

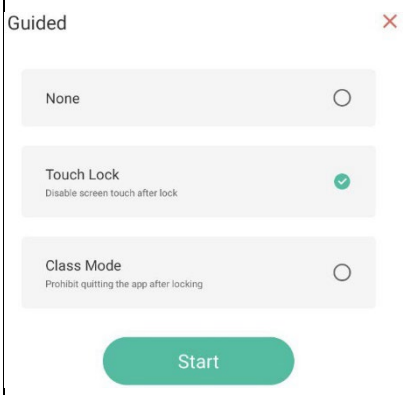
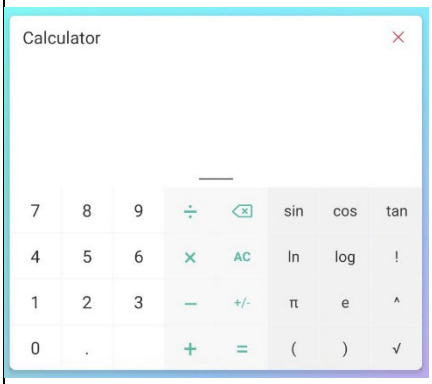
Icon	Function	Description
	Menu	 ① Show all input sources, include PC, Android, HDMI, VGA. ② Show more advanced settings, including Audio, Screen, Display, Adjust of the input source.
	Mark	 ① Empowers teachers to write on top of any app, video, website, document, or image. ② Whether using other input sources, or Android, teacher can take notes on top of any onscreen content. ③ Support sharing via QR code and saving to cloud disk.

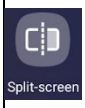
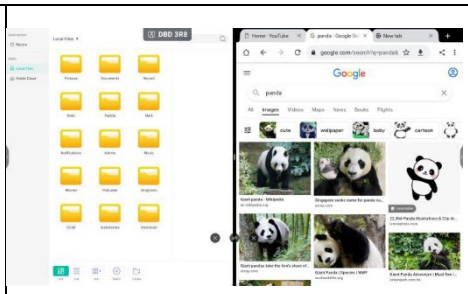
	Cast	 The tool designed for seamless wireless presentation and collaboration during lectures.
	Crop	 ① Teachers can capture screen shots of anything on the screen, including content from apps, websites, and videos. ② Teacher can select Freedom, Full and window mode. ③ Support to insert whiteboard for editing.
	Timer	 A tool which counts down from a specified time interval.

	Stopwatch	 A tool which counts upwards from zero for measuring elapsed time.

AirClass	Airclass	 ① Teachers can invite students to join the interactive activities through QR code or IP address. ② It include voter, responder, selector, message, and other rich activities.
Spotlight	Spotlight	 Teachers can use this function to focus on specific areas of the screen.
Record	Record	 Teachers can record what is on the screen.
Freeze	Freeze	 Teacher can freeze and zoom the current content on the screen.
PC	PC	Teachers can quickly switch to PC source with one key.

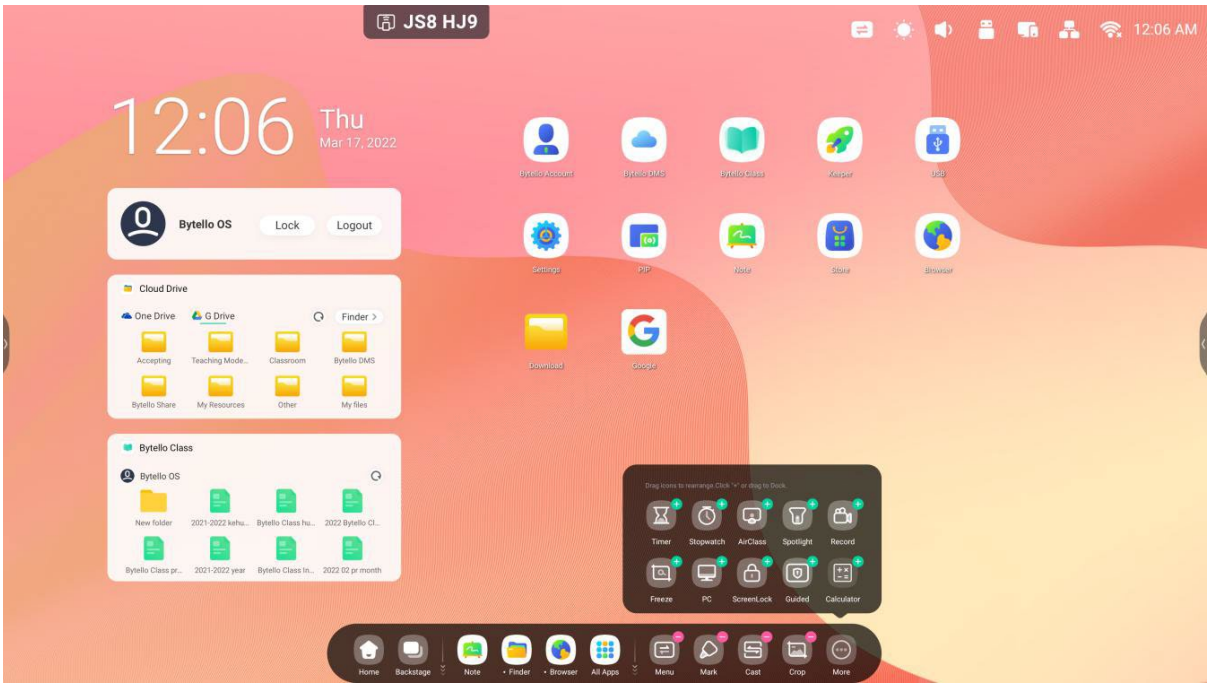
	Screen Lock	Teacher can lock the screen with the Screen Lock, and unlock it by entering the password, which is set in Settings.

Guided	Guide	 Teachers can disable screen touch and prohibit quitting the app after lock.
Calculator	Calculator	 Teachers can quickly demon the use of the calculator.
PIP	PIP (Only in Full-Screen Mode)	 Use PC software and Android app at the same time.

	Split screen (Only in Full-Screen Mode)	 One window with the Finder, one window with Browser.

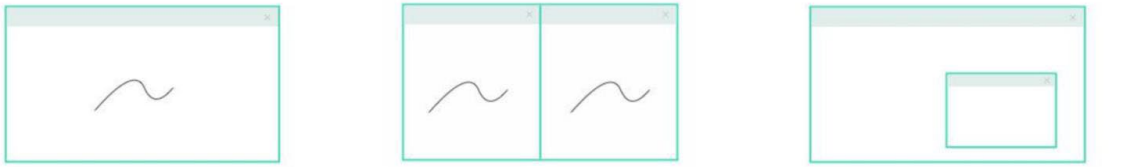
Customize Tools

Supports to create 4 commonly used small tools in
System bar. Teachers can add other tools from 'More' to replace.
Step 1: Click 'Edit' or long press the tools icon into editing state.
Step 2: Click '-' to remove the display in System bar.
Step 3: Click '+' to add the display in System bar.



Multi-Windows

Multi-windows provide teachers with a new operation solution on IFP. Through the windowed content display, the teacher can still read the content information efficiently in the visible range while standing in front of the big screen. Through windowed application management, the arm can freely and comfortably control the display size and position of the application window. Through the solution of multi-task operation, teachers can display and use multiple applications and tools at the same time, for example, while demonstrating the content of the courseware while writing the key points on the blackboard. In addition, teachers can also drag and drop content across applications to exchange information between different applications more conveniently and efficiently.



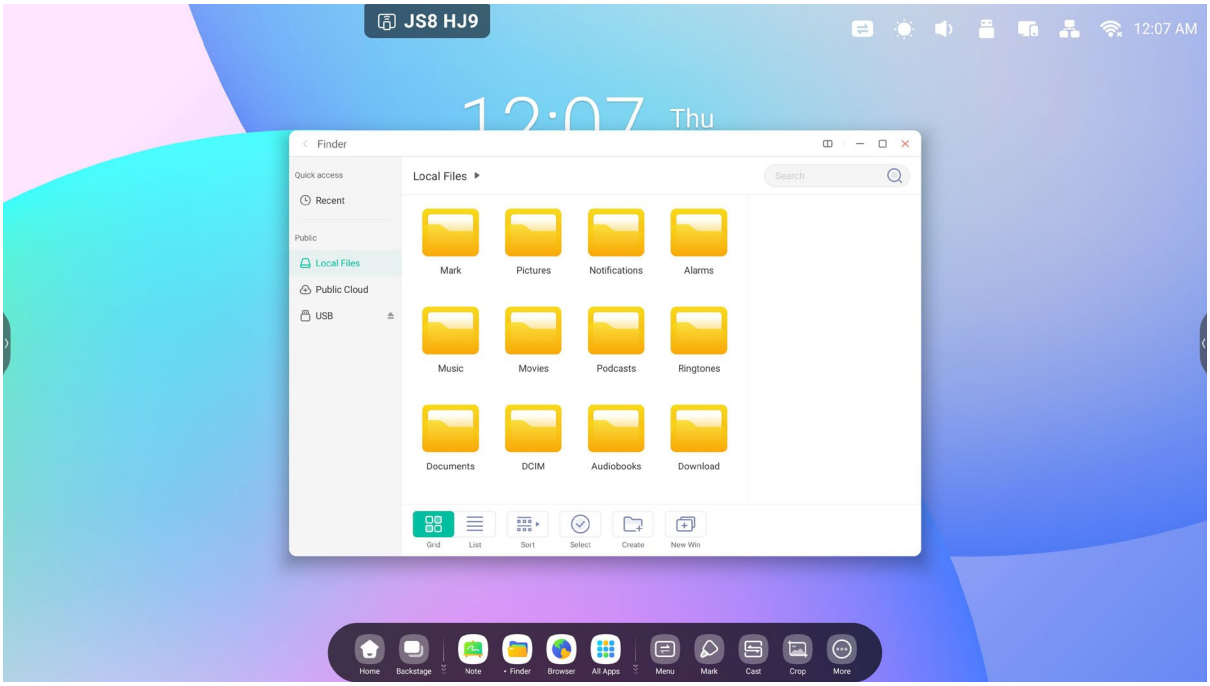
Full-Screen Mode
An intuitive display keep the focus on Content

Split-screen Mode
View information from multiple sources at once

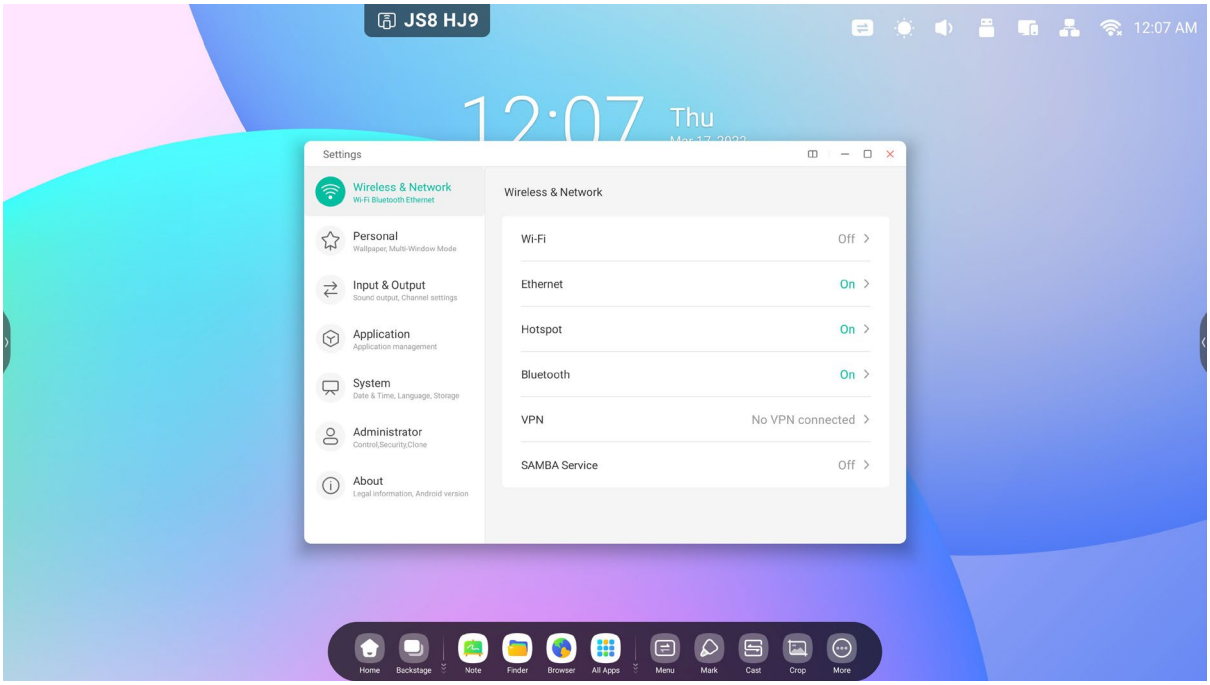
Floating window Mode
Do more without leaving current program

1. A large-screen solution that is more suitable for teachers to read:

Example 1: Finder for Windows mode:



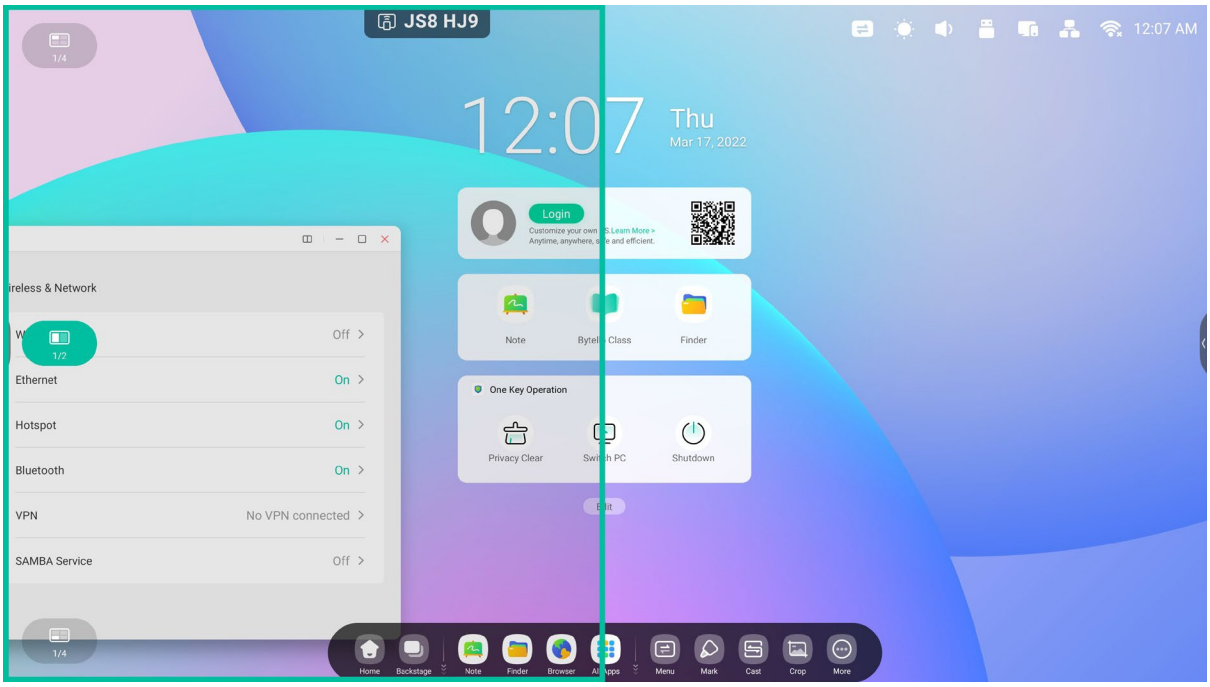
Example 2: Settings for Windows mode:



2. Teachers can easily control the Windows display size and position:

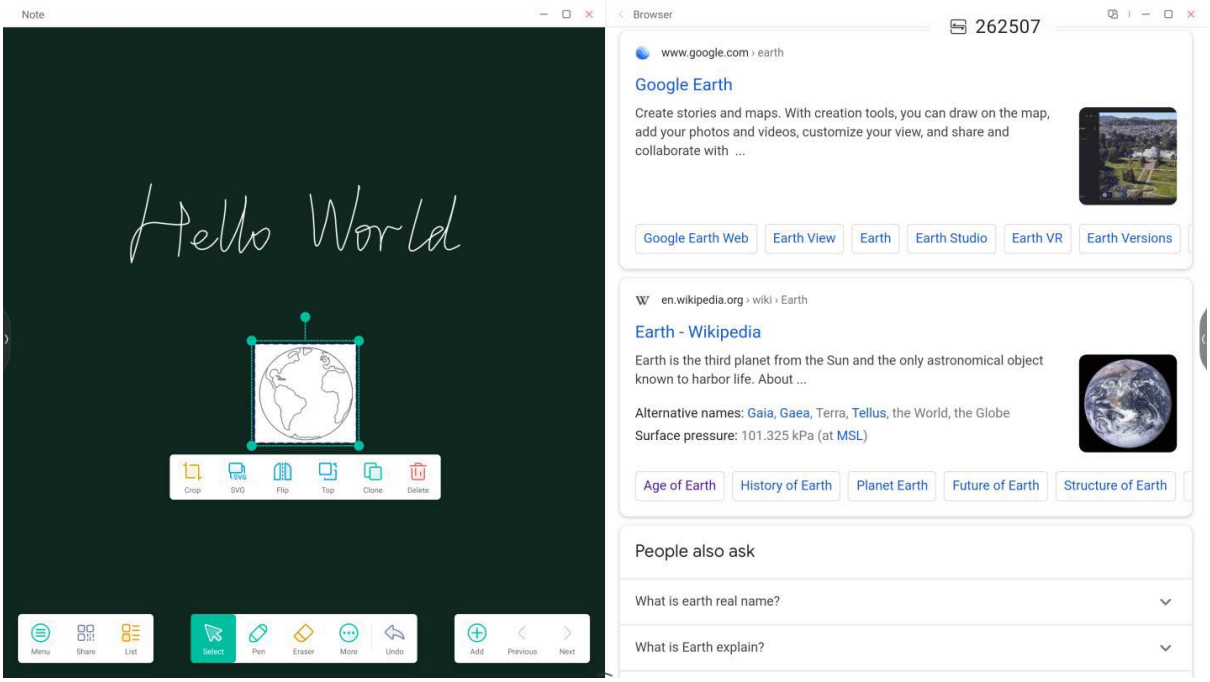
Example 1: Drag the edge to change the size of the window:

Example 2: Drag the top bar of the Windows to the edge of the screen to quickly enter 1/2 size:

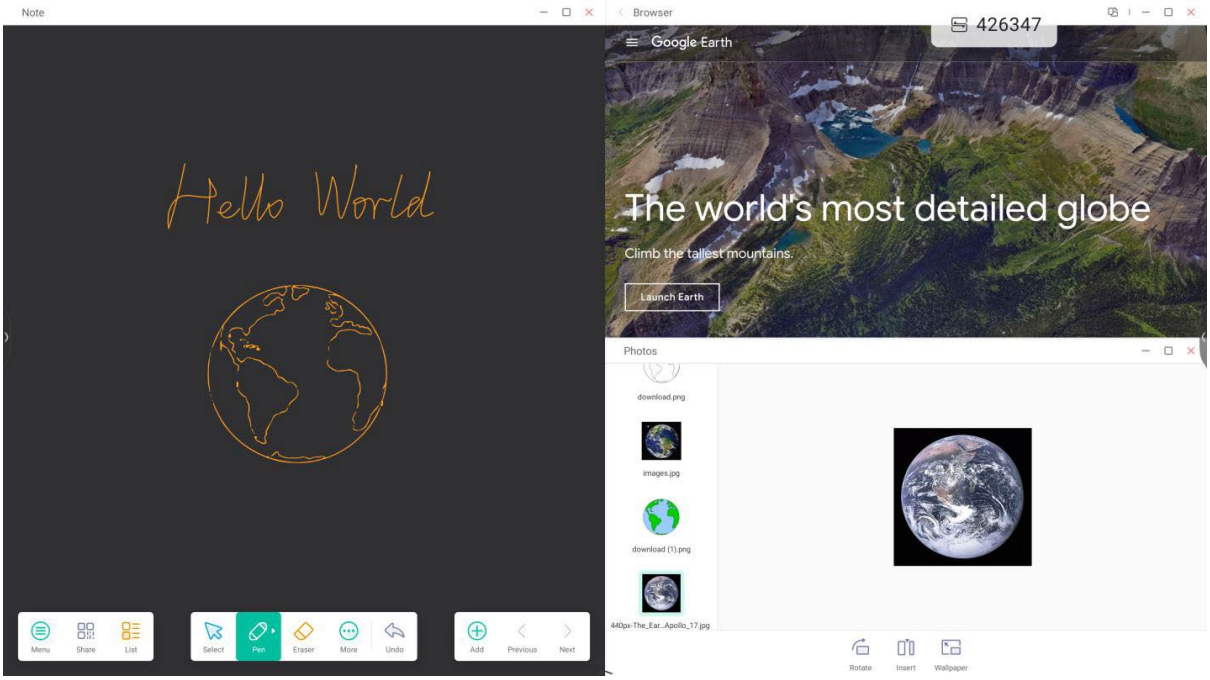


3. Show more apps and tools on the screen:

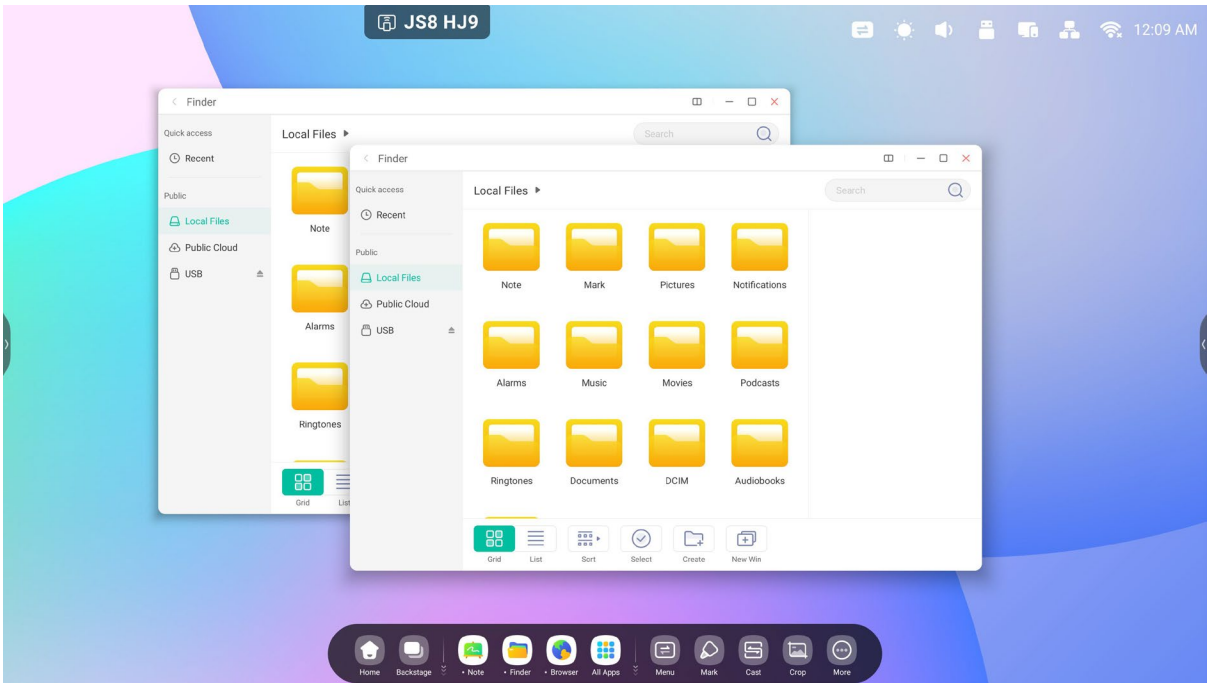
Example 1: Efficiently display the content while recording on Note:

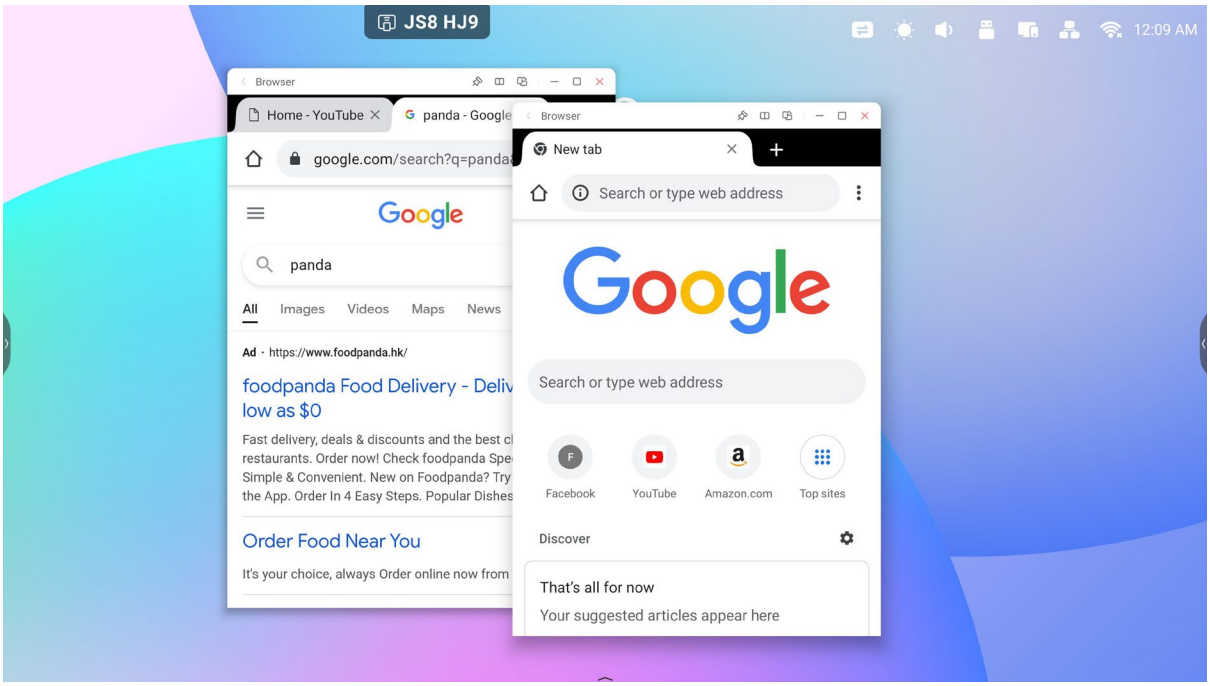


Example 2: Three apps are displayed on the screen at the same time:



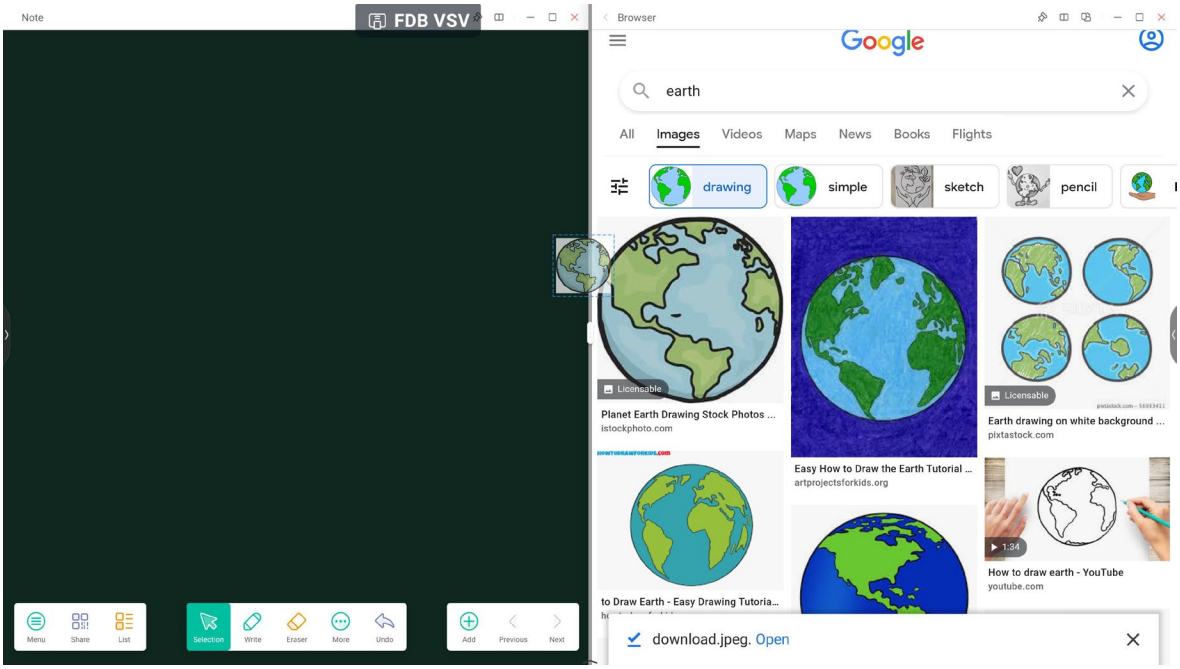
Tips: Finder and browser support new windows:



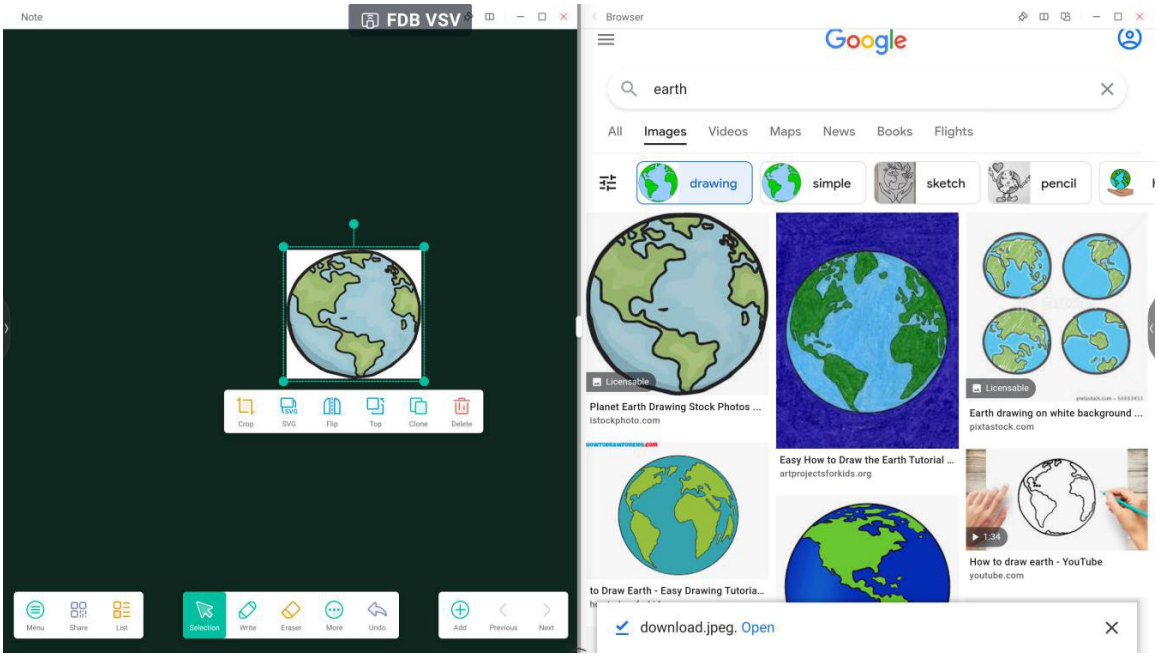


4. Teachers can drag content across apps:

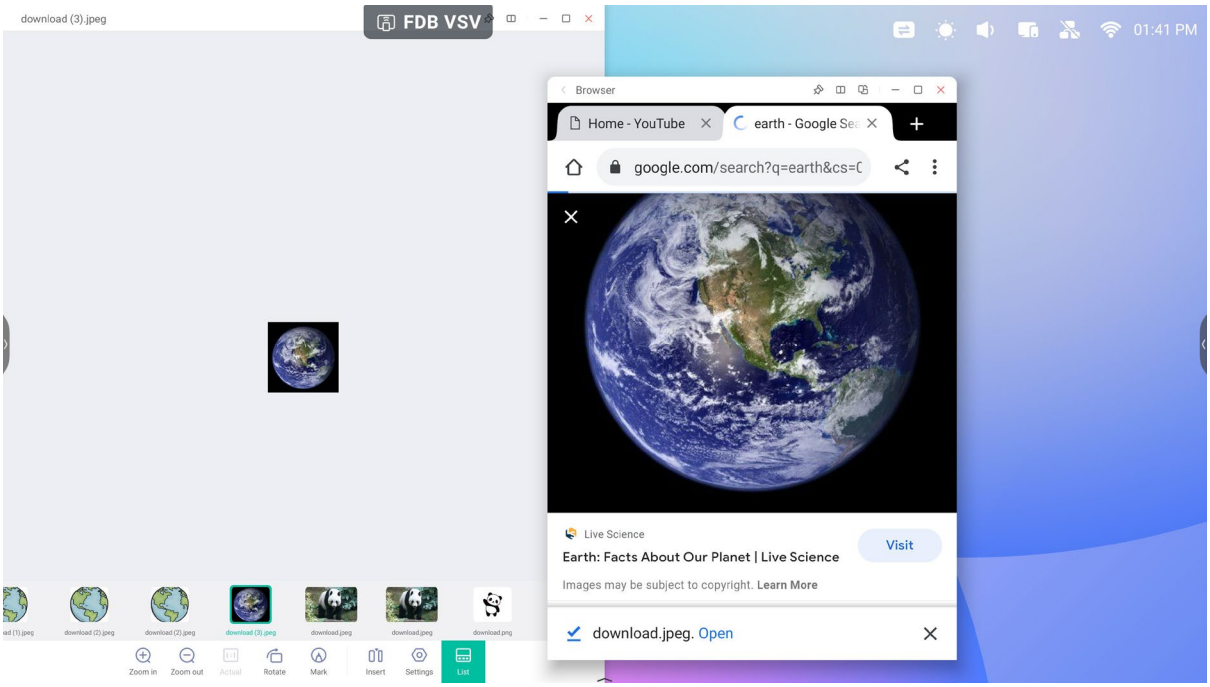
Step 1: Long press the image in the browser to pop up and wait to download:



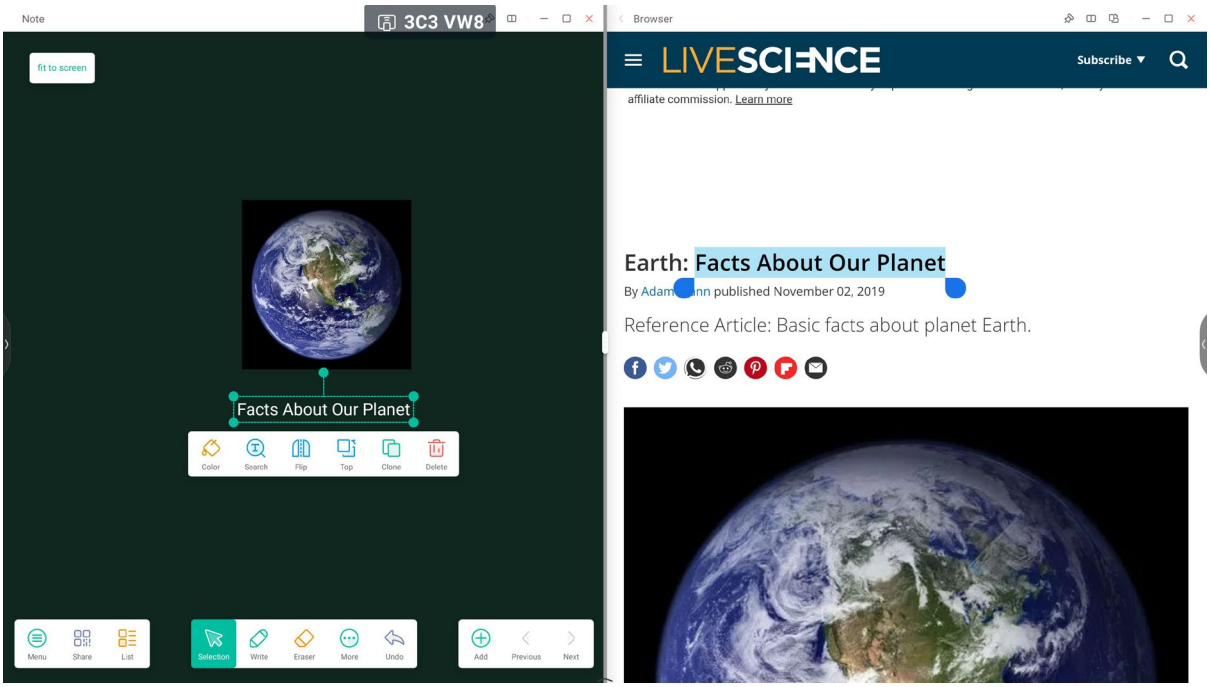
Step 2: Drag it to the Note:



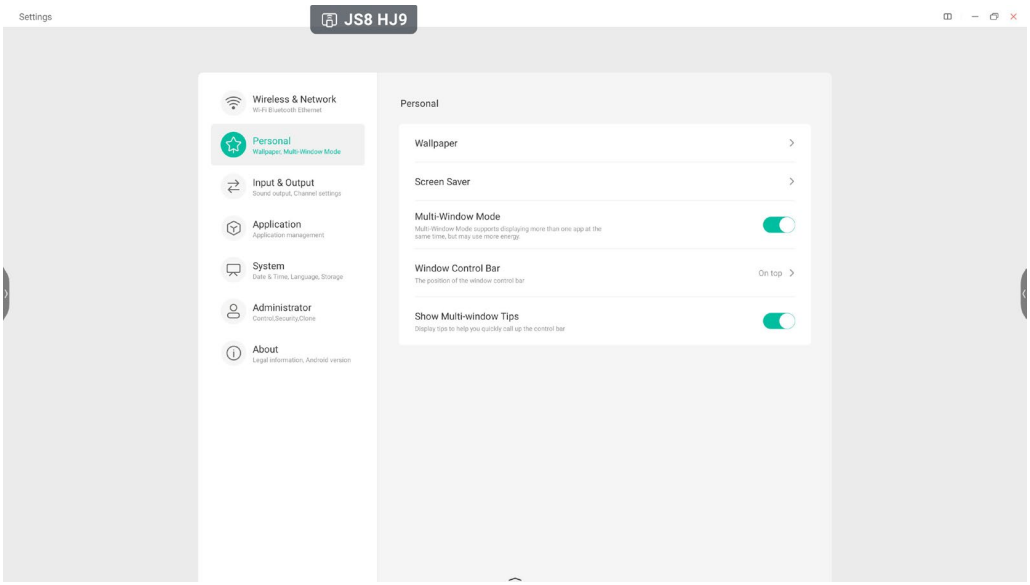
Tips: Support Image drag and drop to Note, Finder, Photo:



Tips: Support text drag and drop to Note, Finder:

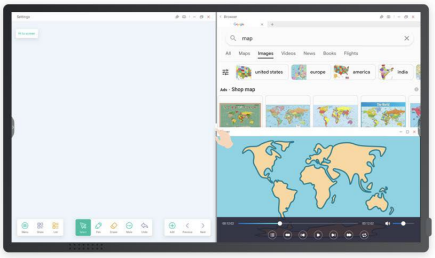


5. Multi-Window mode:



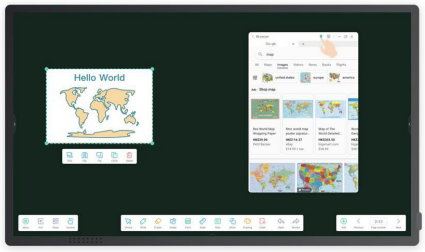
Split-screen Mode

change size with the 1/2 line

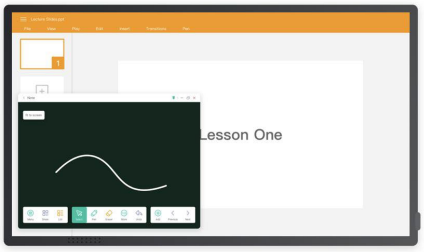


One window with the Note, one window with Browser

Floating window Mode



Quickly search in the browser while using the Note in full screen.



Mark the point in the Note while using the PPT in full screen.

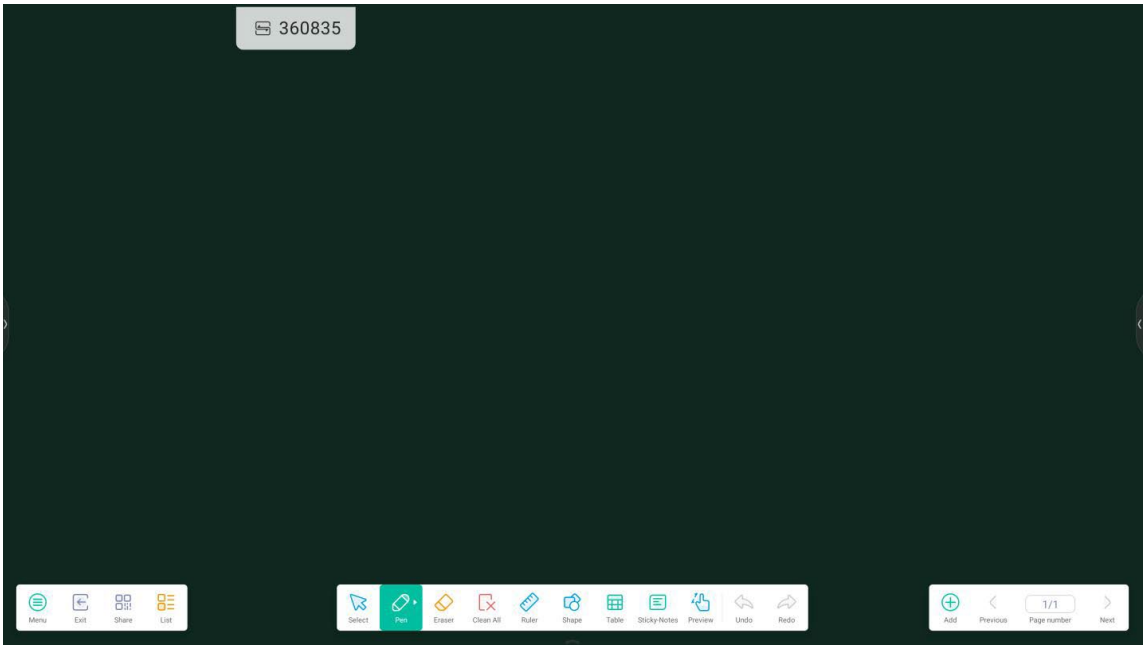
All Apps

The IFP has customized rich applications for teachers' teaching scenarios. The system provides Note, Palette, Visualizer, Finder, Browser, Settings, Cloud Drive, WPS Office, Photo, Music, Video, Keeper, Bytello Class, Bytello DMS, PIP by default.

Note

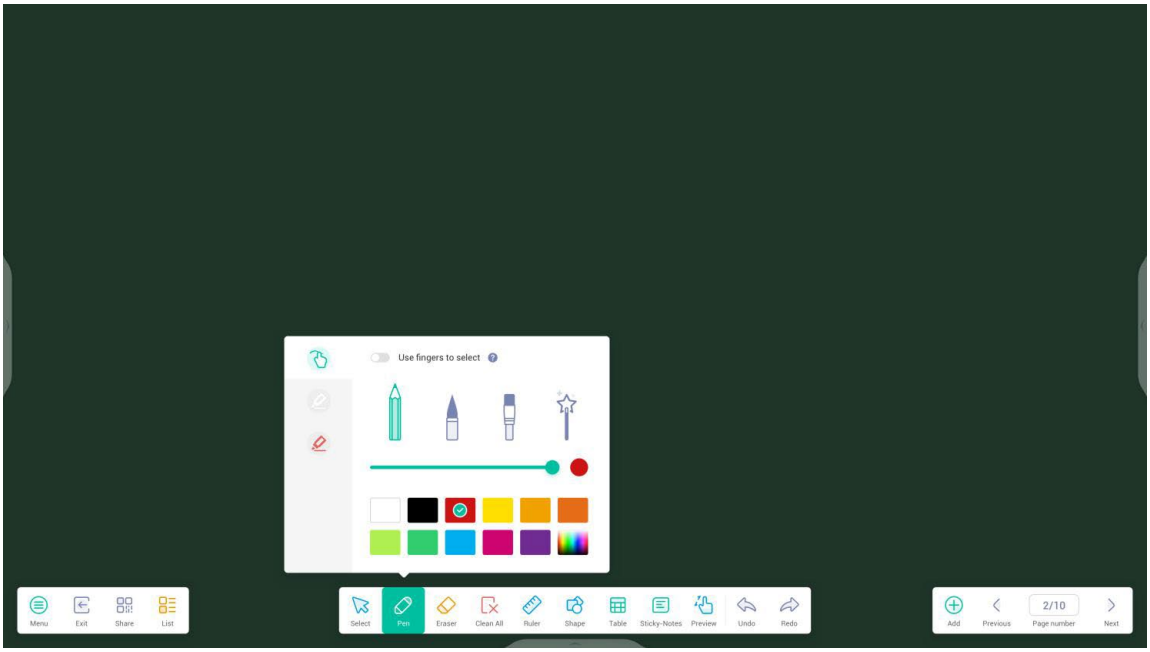
Click

to open the Note.



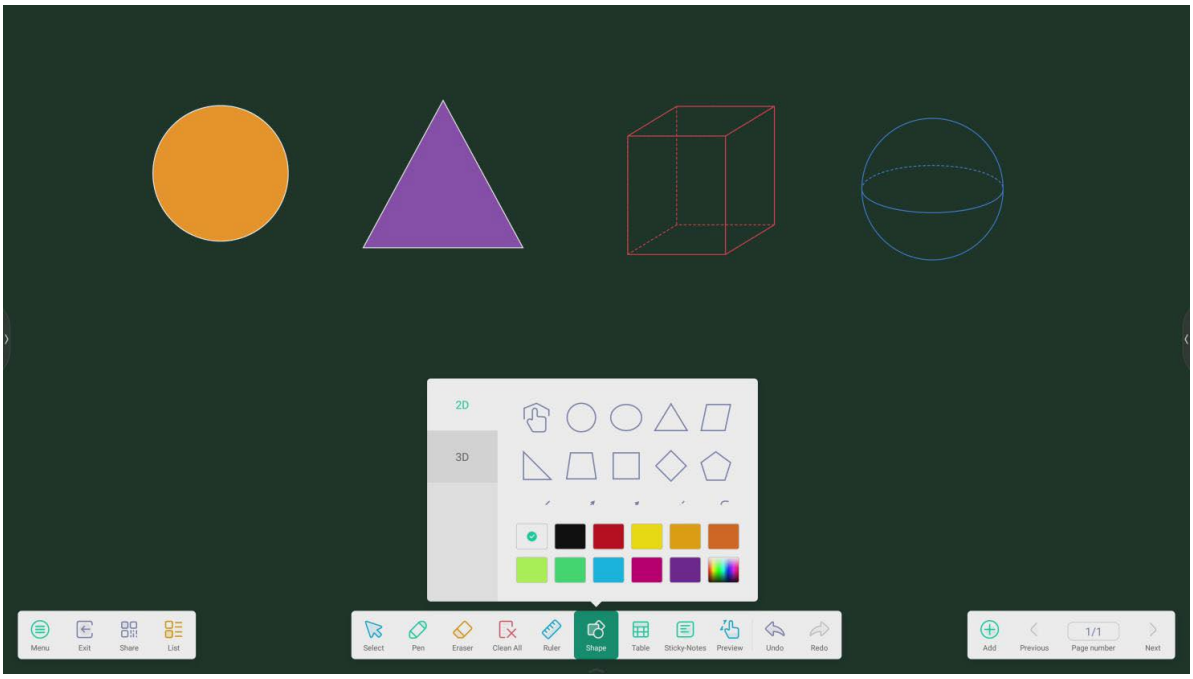
Pen

Note supports dual-pen writing, and provides a wealth of colors and multiple pen styles, allowing users to write with different colors or pen styles at the same time.



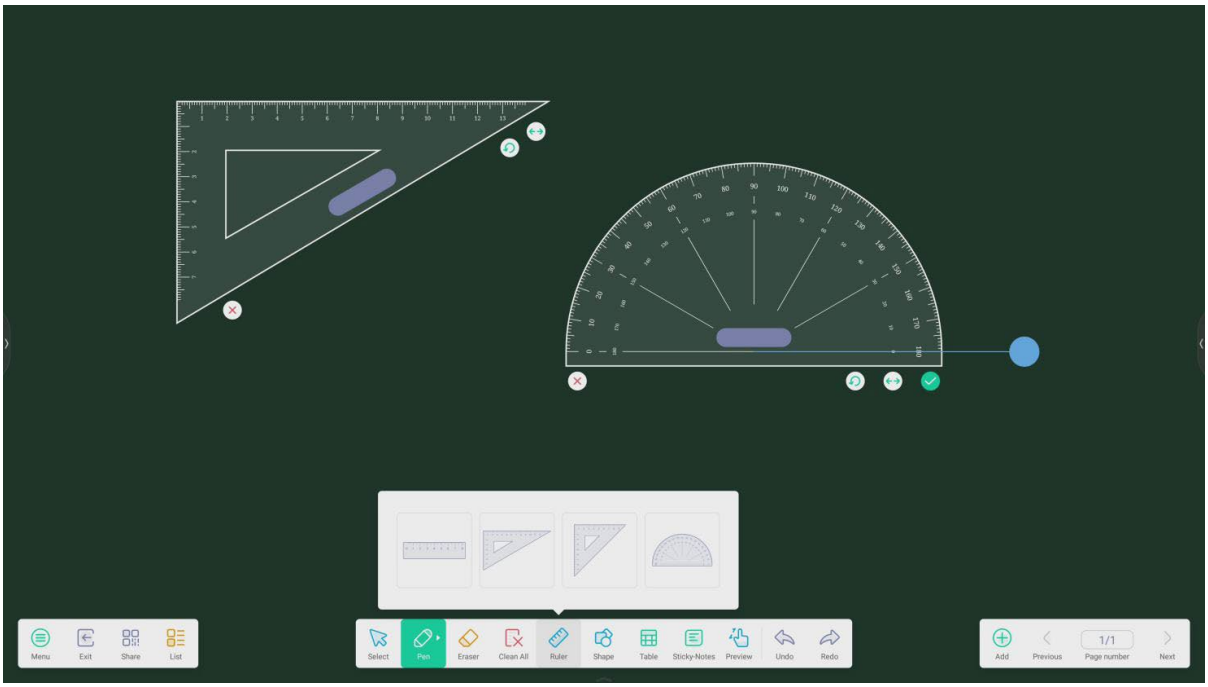
Shape

Note has a wealth of built-in shapes, including two-dimensional plane shapes and three-dimensional geometric shapes, which are convenient for teachers to quickly show the shapes to students.



Ruler

Note's ruler tool eliminates the need for teachers to use physical ruler tools and can also assist in teaching in Note.

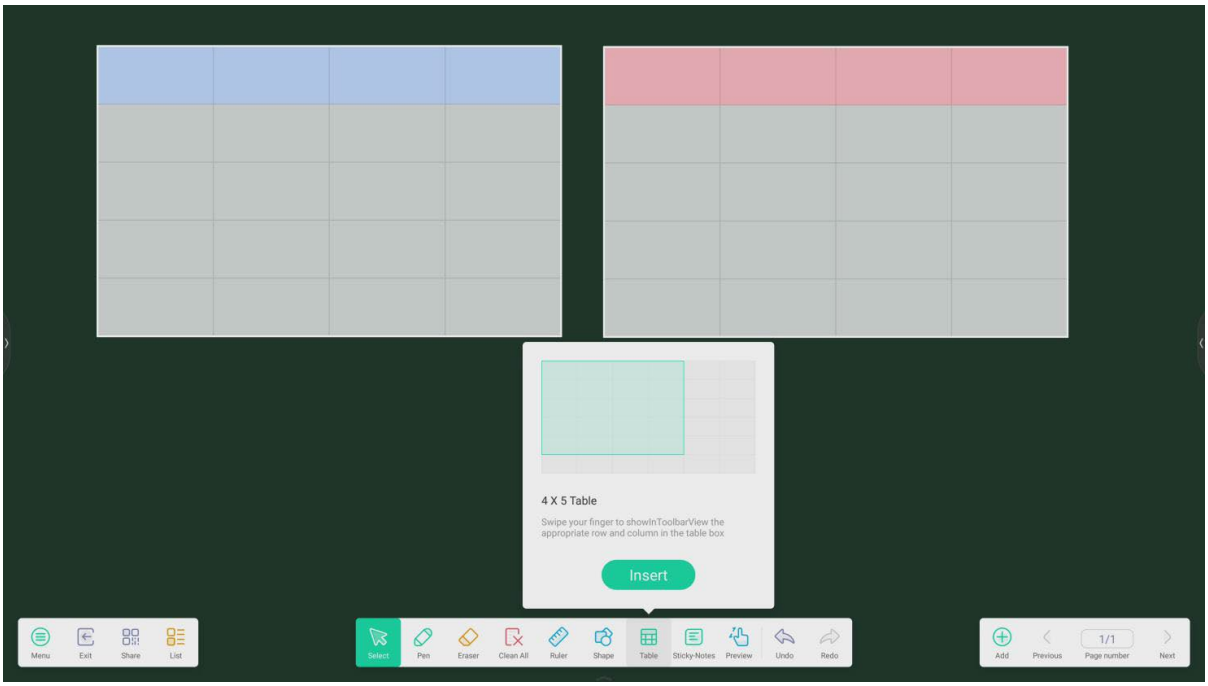


Sticky Notes

The sticky notes tool in Note simulates the real scenes of real life, pin important information to the canvas for users to view and can also be used as a brainstorming tool.

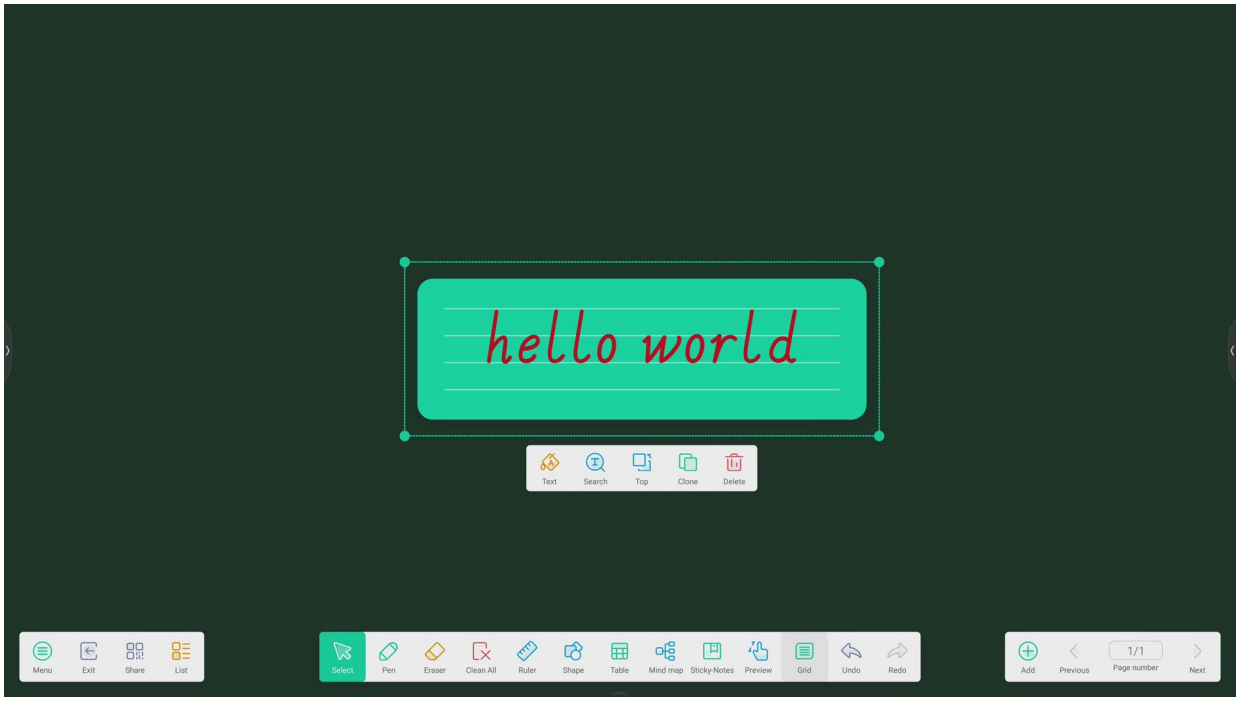
Table

Note supports creating multiple tables and displaying them simultaneously.



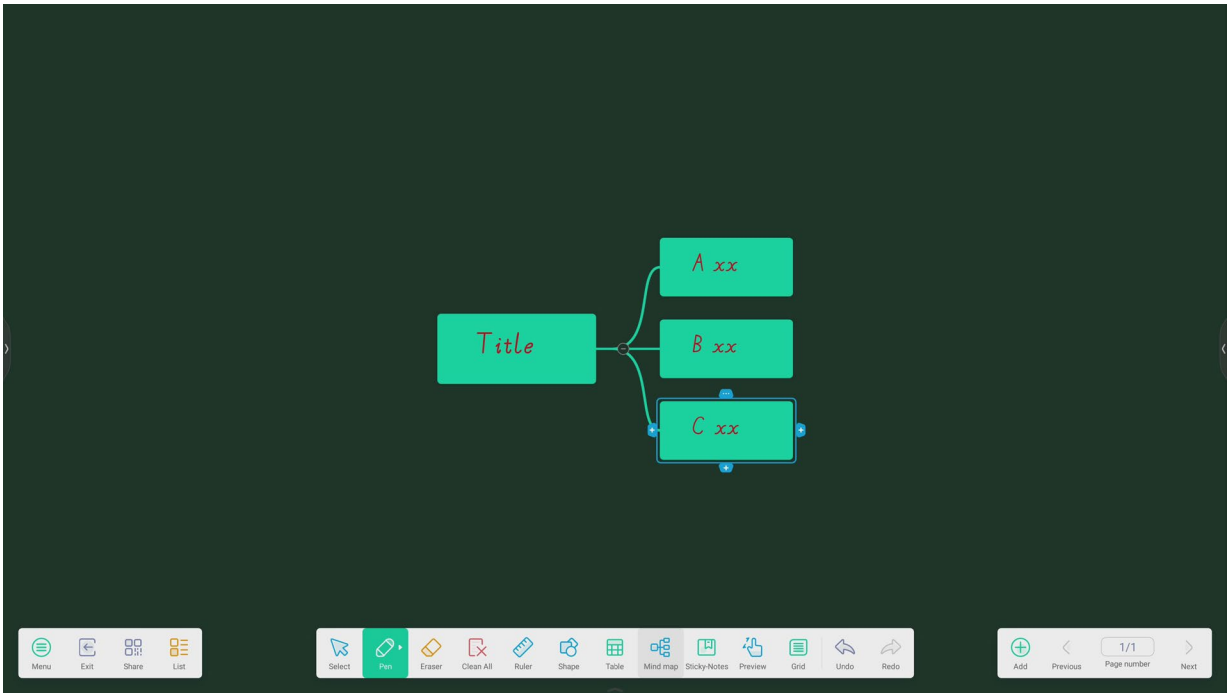
Grid

Note supports creating handwriting recognition Grids, the handwriting can be intelligently recognized as the beautified font, and the handwriting can be searched.



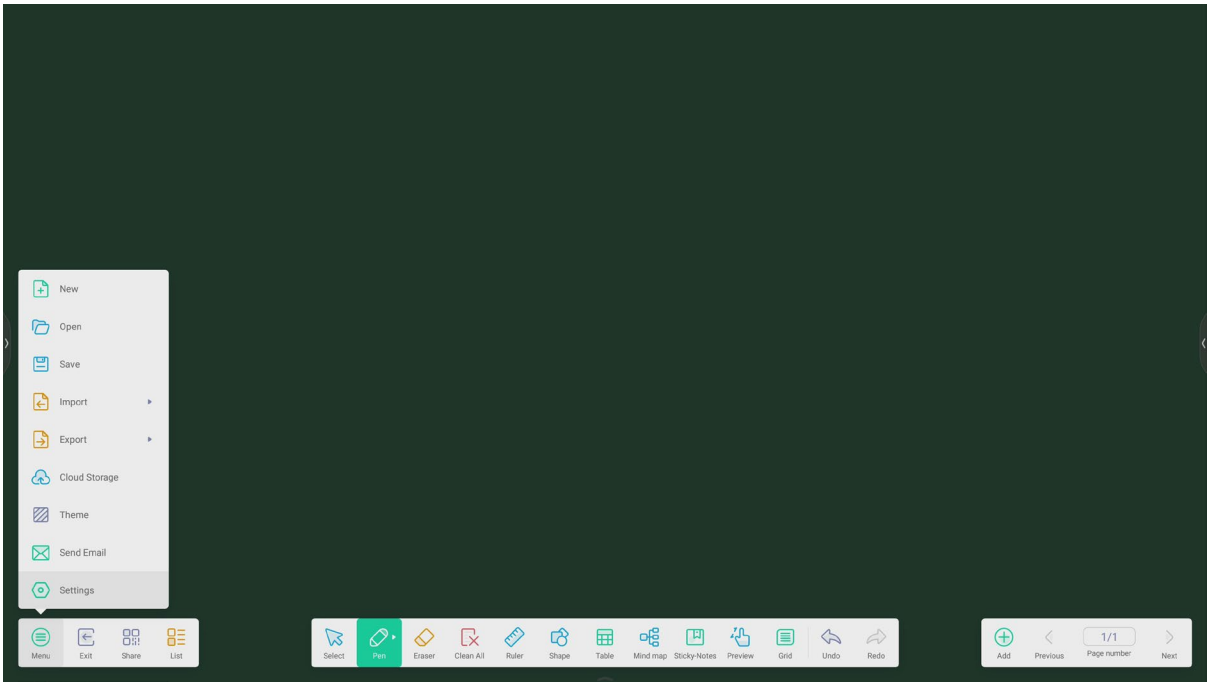
Mind Map

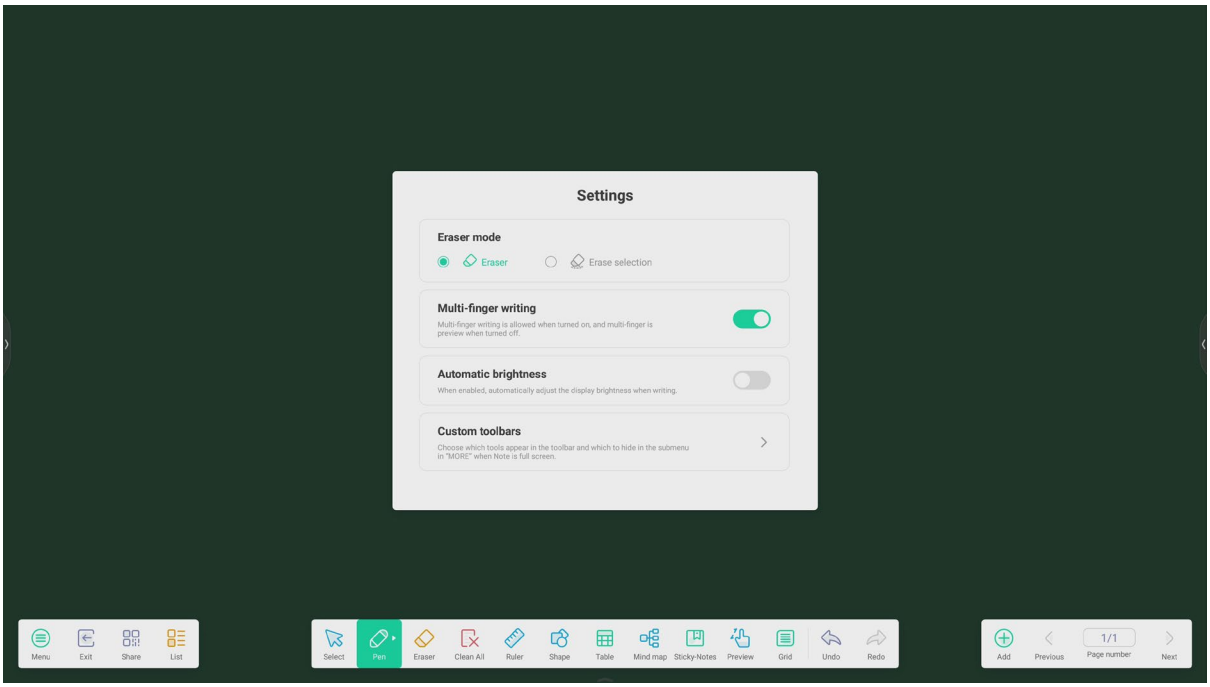
Note supports creating handwriting Mind map the handwriting can be intelligently recognized as the beautified font. You can drag one of the nodes to any other position in the map. You can also add a node by click the button to add a node at the side which you click on the selected node. When you want to delete one of the nodes, you can select the node and click the button, it will show the delete option, and you can click to delete this node.



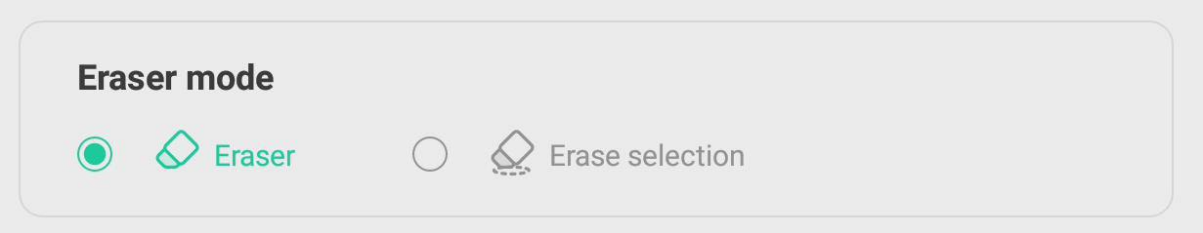
Settings

We have integrated some configuration items in Note, put them in the menu window, click the settings button, you can see these configuration options。



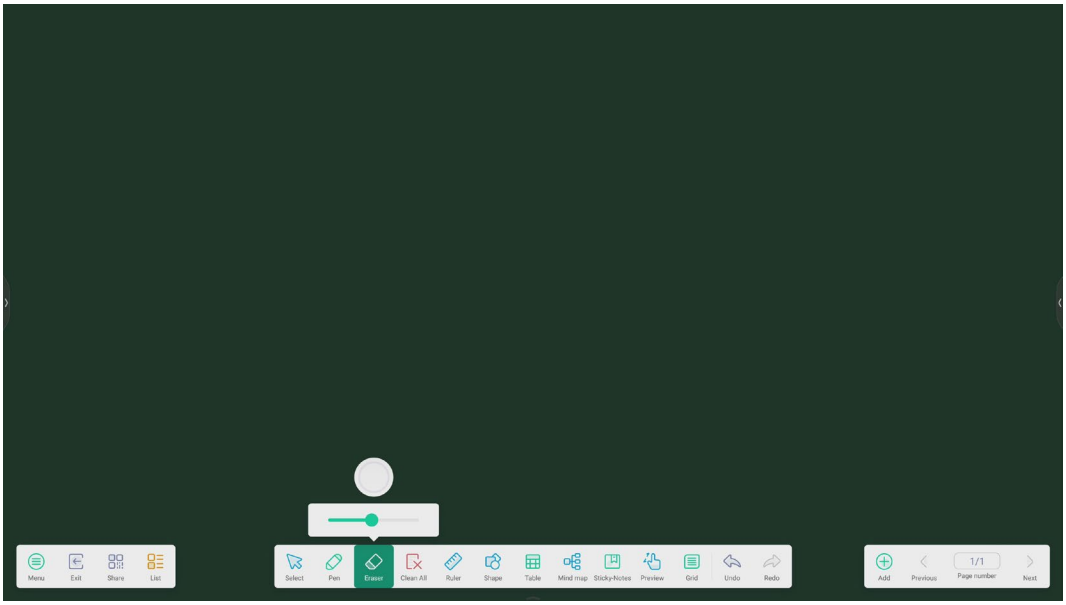


Eraser Mode



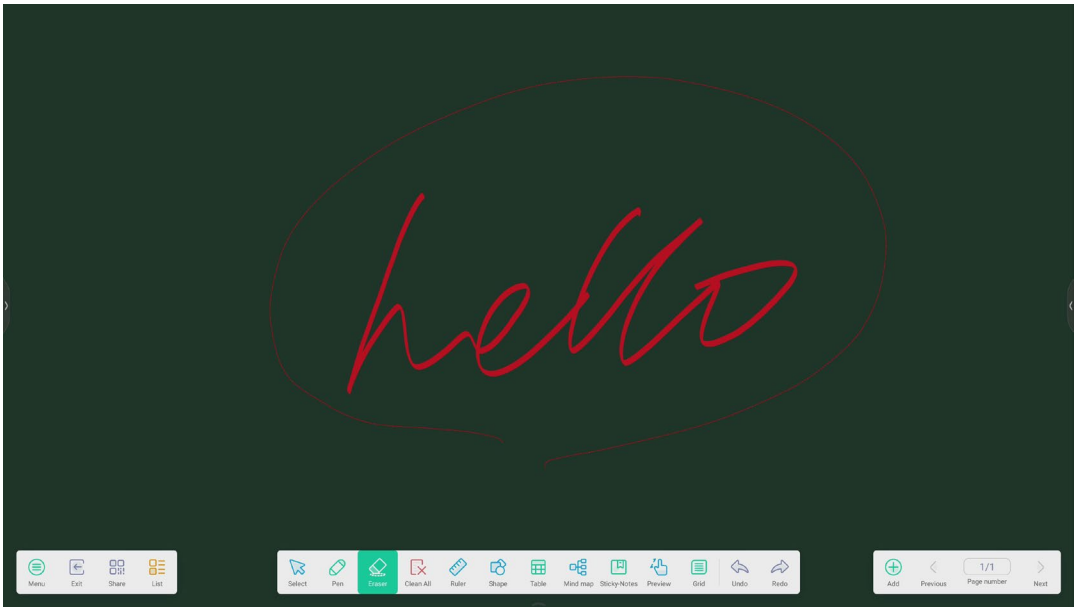
Eraser

After select, the "Eraser" option, when you select the Eraser button in toolbar, it will show a window that can adjust size of eraser and you can erase any elements as a eraser.



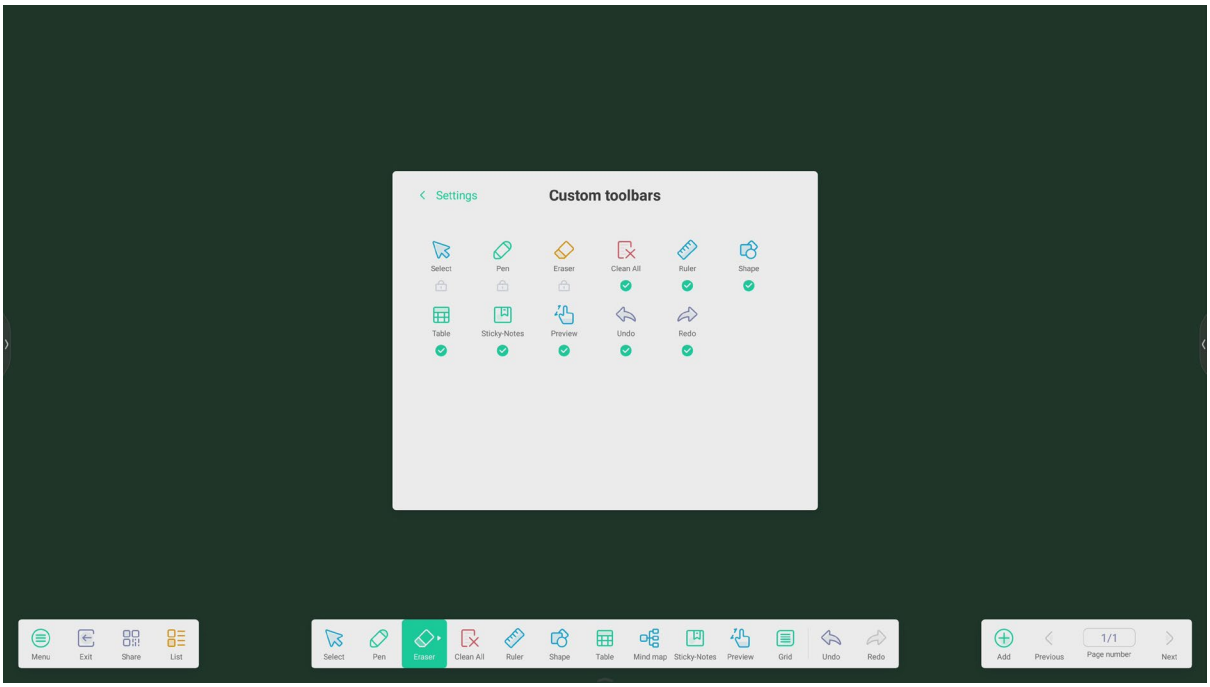
Eraser Selection

After select, the "Erase selection" option, when you select the Eraser button in toolbar, you can erase elements by select them or erase elements in the selected range.



Custom Toolbar

When Note is full screen, you can Choose which tools appear in the toolbar and which to hide in the submenu in “MORE.”



The Function of the pen

after selecting the handwriting, the handwriting can be intelligently recognized as the beautified font, and the handwriting can be searched and mirrored.

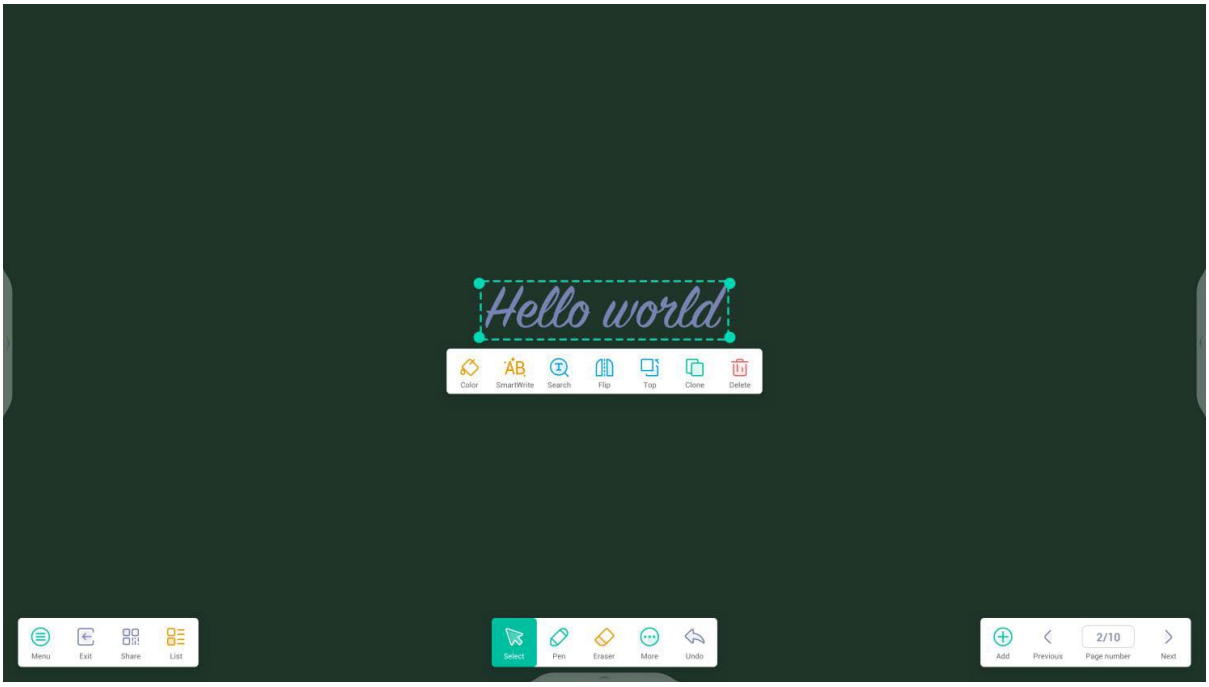
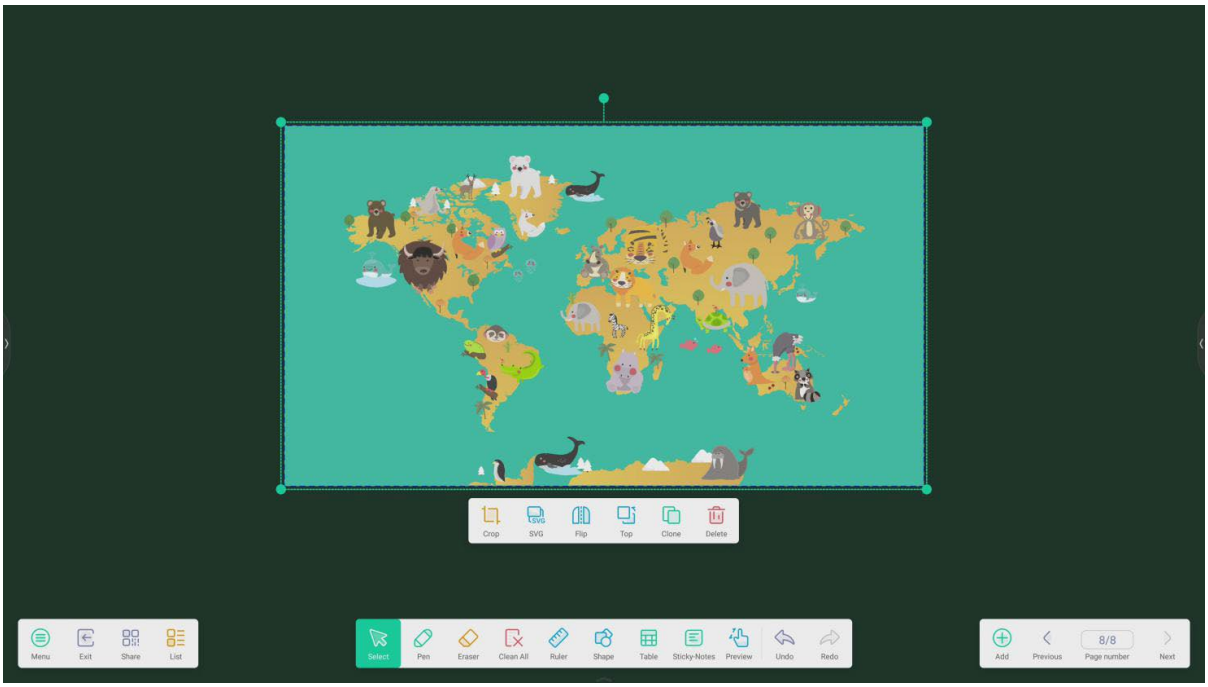


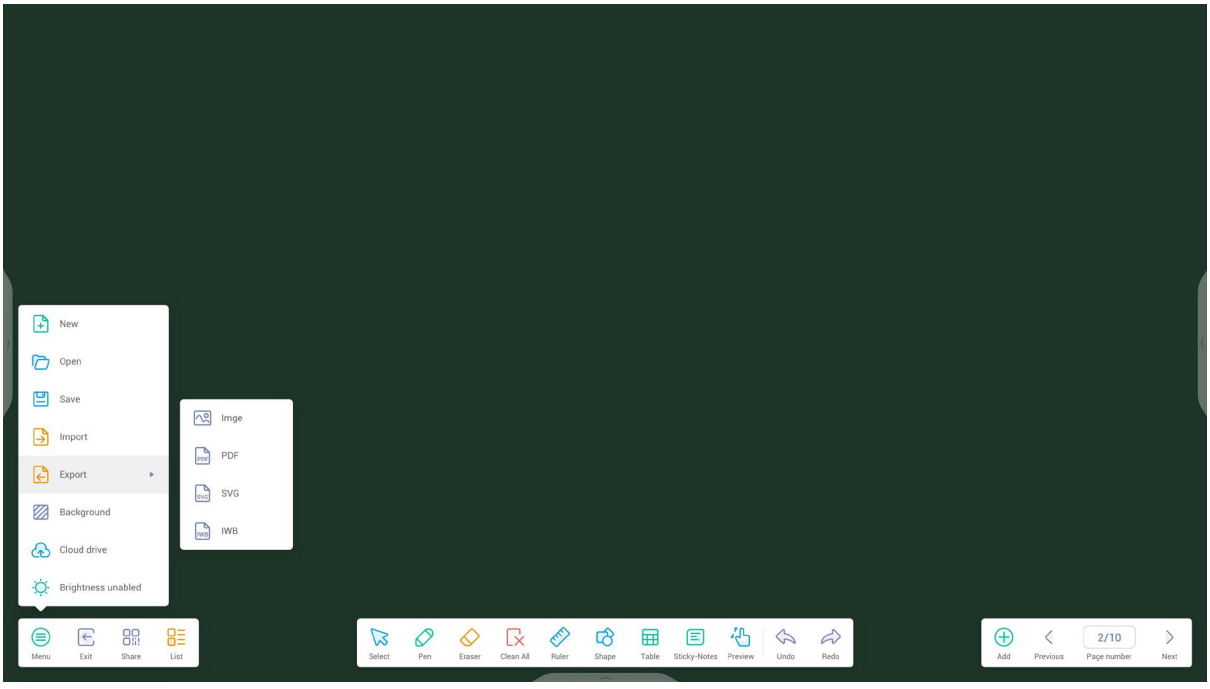
Image Expansion Function

after selecting the image, the image can be transformed into vector image, and the image can be mirrored.



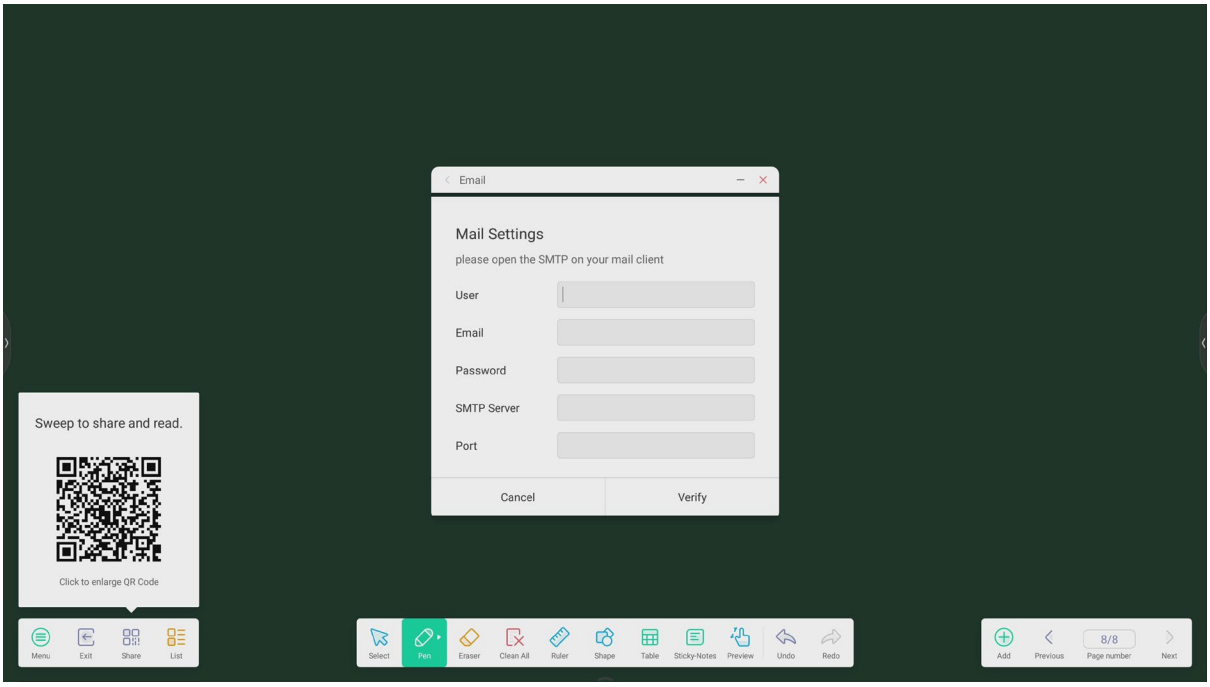
Import and Export files in multiple formats

Note supports importing multiple file formats and exporting files into multiple formats.



Multiple ways to save files

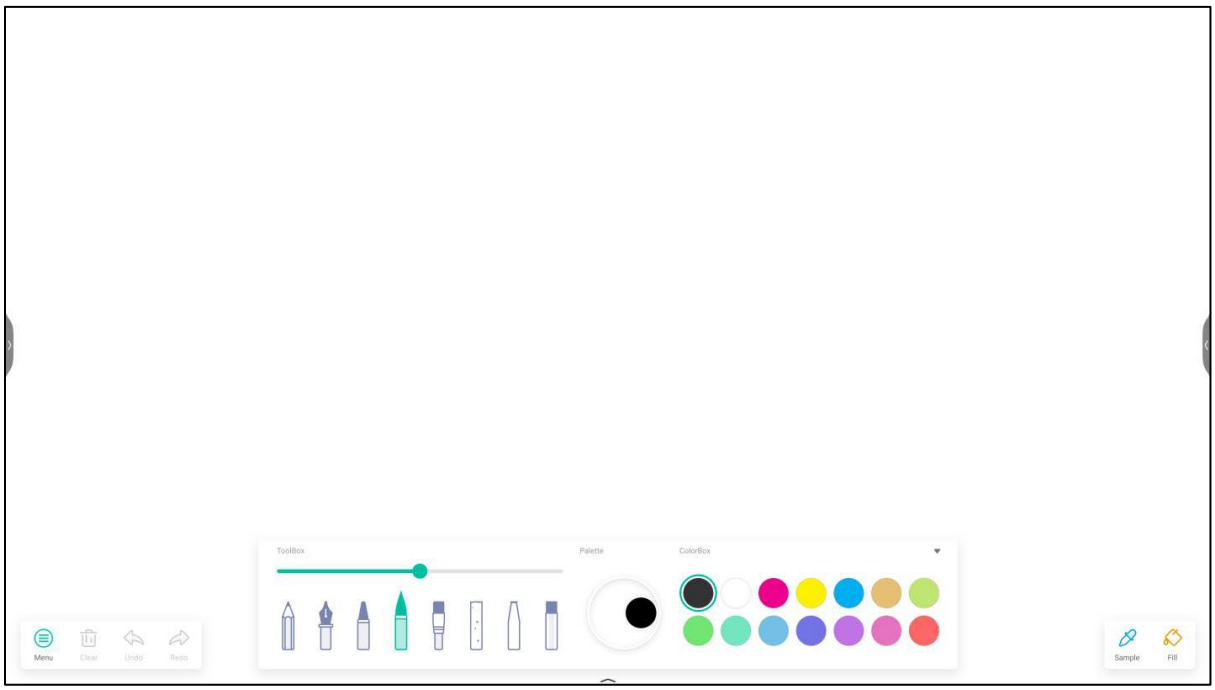
In addition to saving files to the local system and U disk, Note also supports scanning files with mobile phones for saving or sending files to emails.



Palette

Click

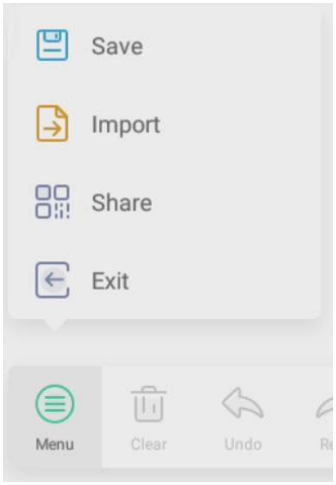
to open the Palette.



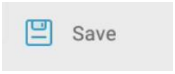
Menu

Click

to open the menu window.

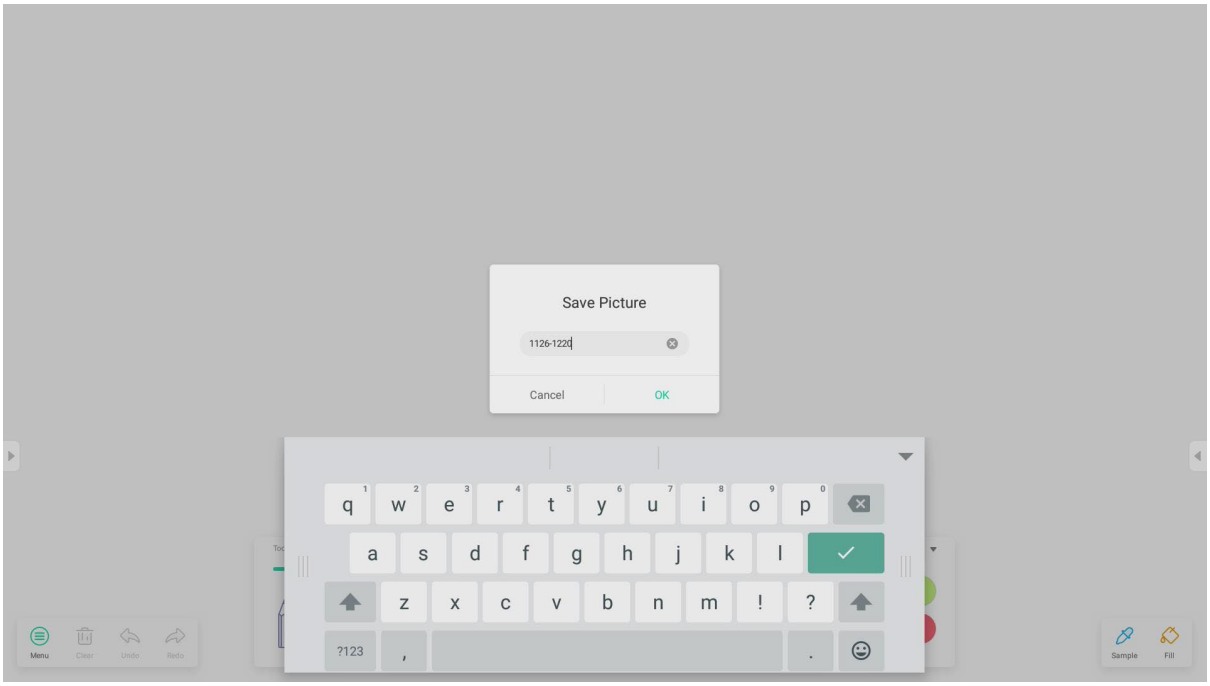


Menu Save

Click 

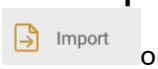
on the menu window, then select a path that you want to save.

Next, you can customize the file name, see example image below：



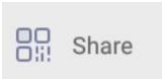
Now, you can click 'OK' to save your palette works into local memory.

Menu Import

Click 

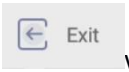
on the menu window to select a picture import into Palette App. This picture will be use as background for current page, see example image below,

Menu Share

Click 

on the menu window will generate a QR Code, which can share your palette works to others.

Menu Exit

Click 

will exit the Palette App. Be careful, current works will lose if you did not save.

Clear

Click

to clear all content on current page.

Undo

Click

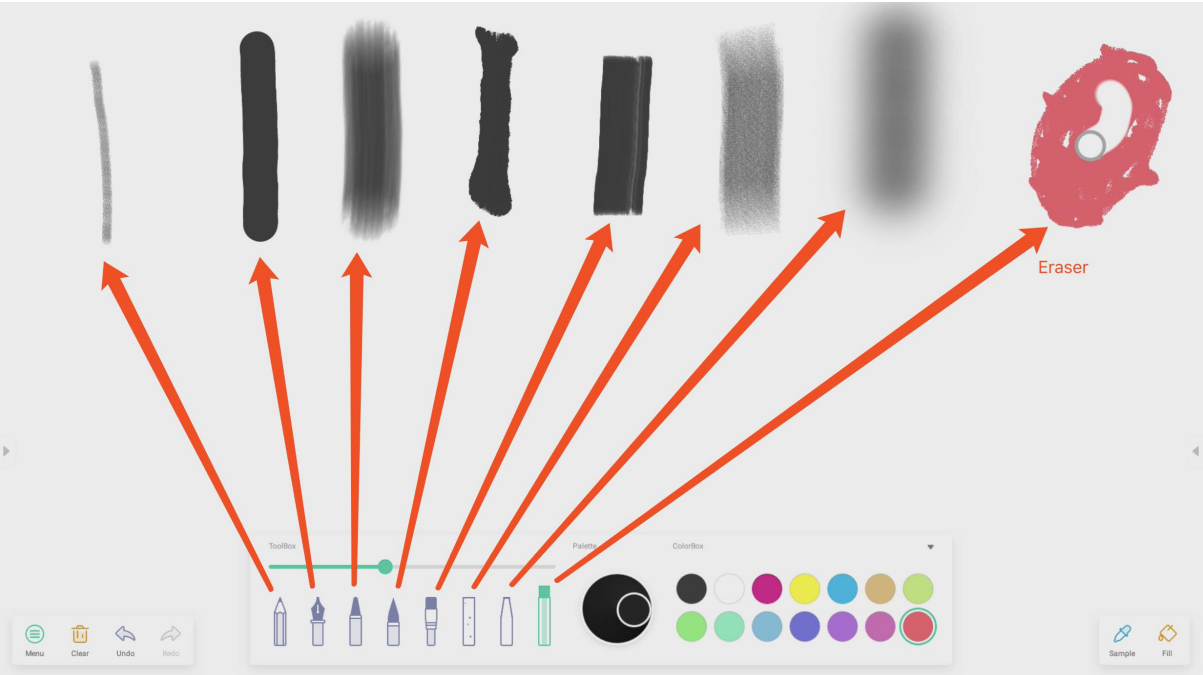
to back to last step.

Redo

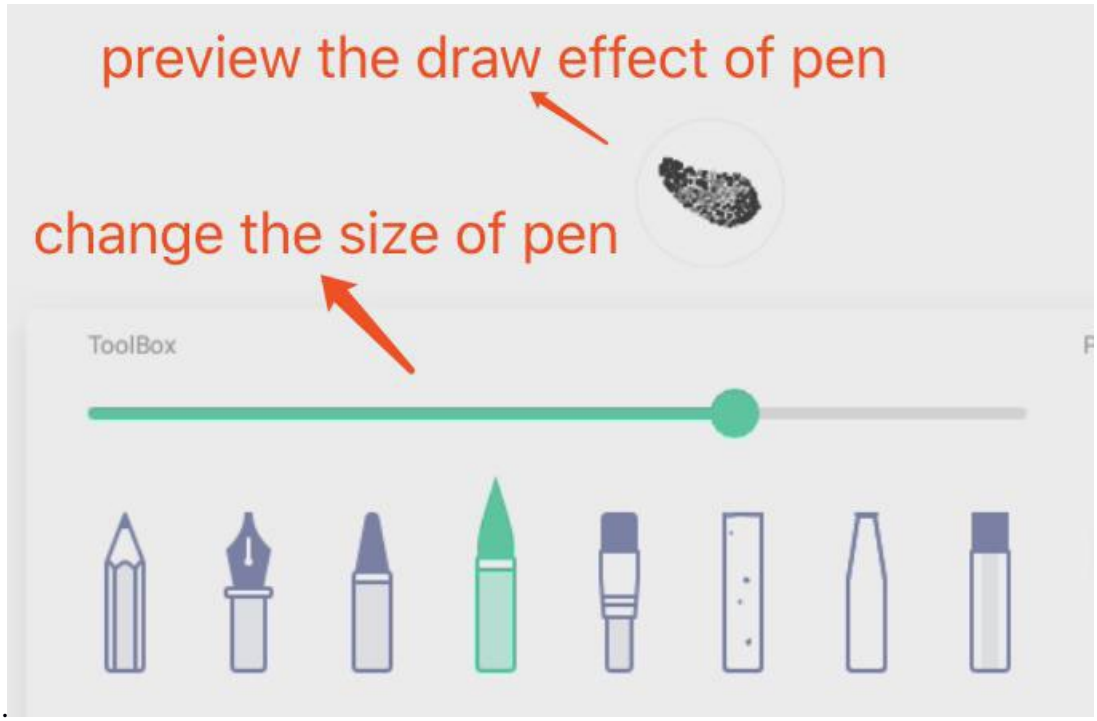
Click

to recover a step.

Pens

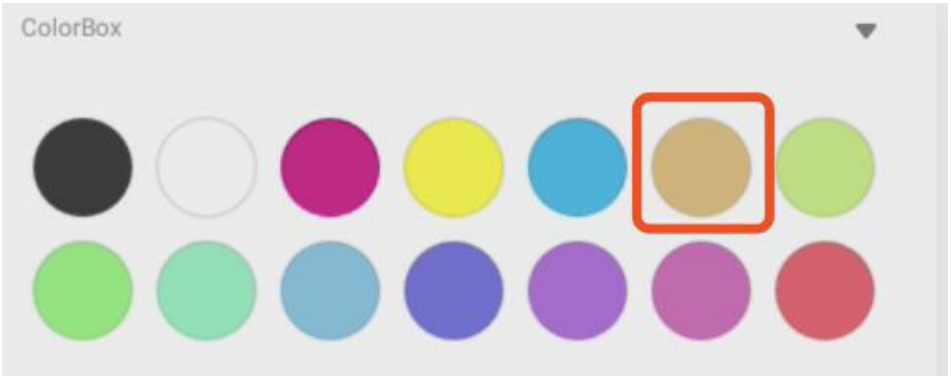

Eraser
ToolBox
Palette
ColorBox
Menu
Clear
Undo
Redo
Sample
Fill

Pen Stroke Slider



Palette

You can use palette to customize a color which did not exist in the Color Box.
Step 1, click a color on the Color Box. Such as,

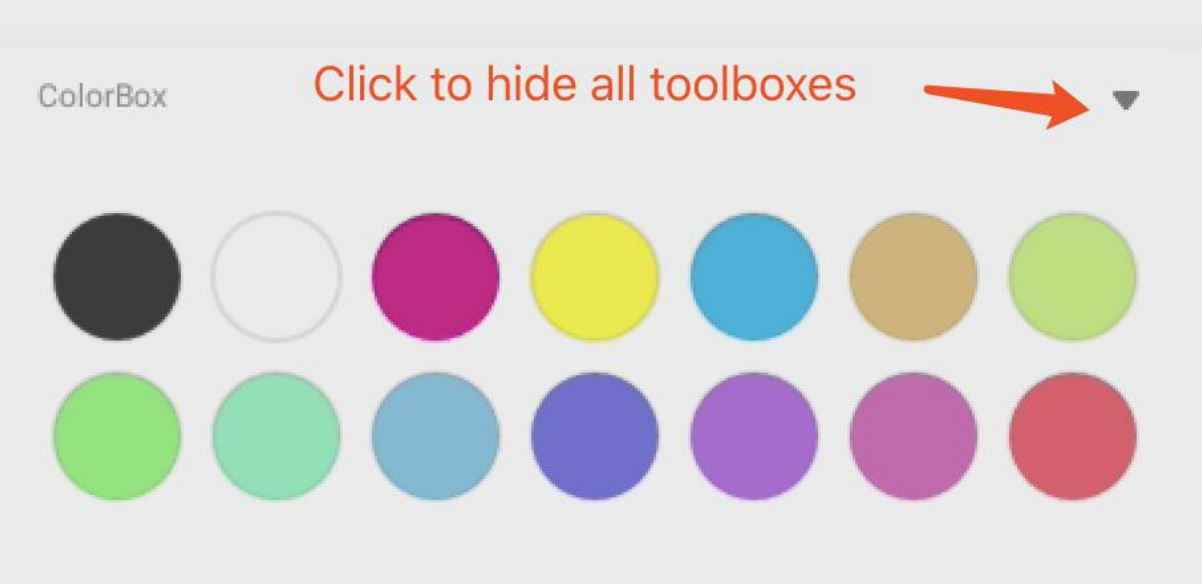


Step 2, drag the roller on the palette by clockwise, see example image below.

Repeat step 1 and step 2, you can get a color which did not exist in the ColorBox, such as

Color Picker

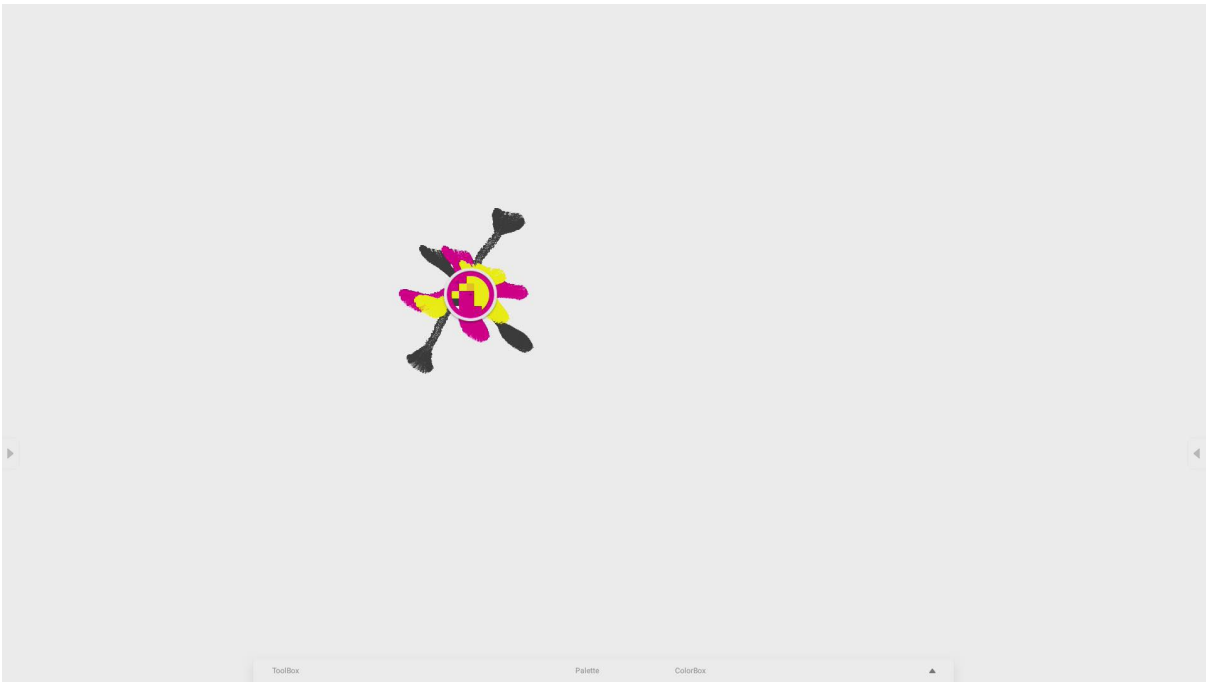
Hide or show Toolbox



Sample

Click

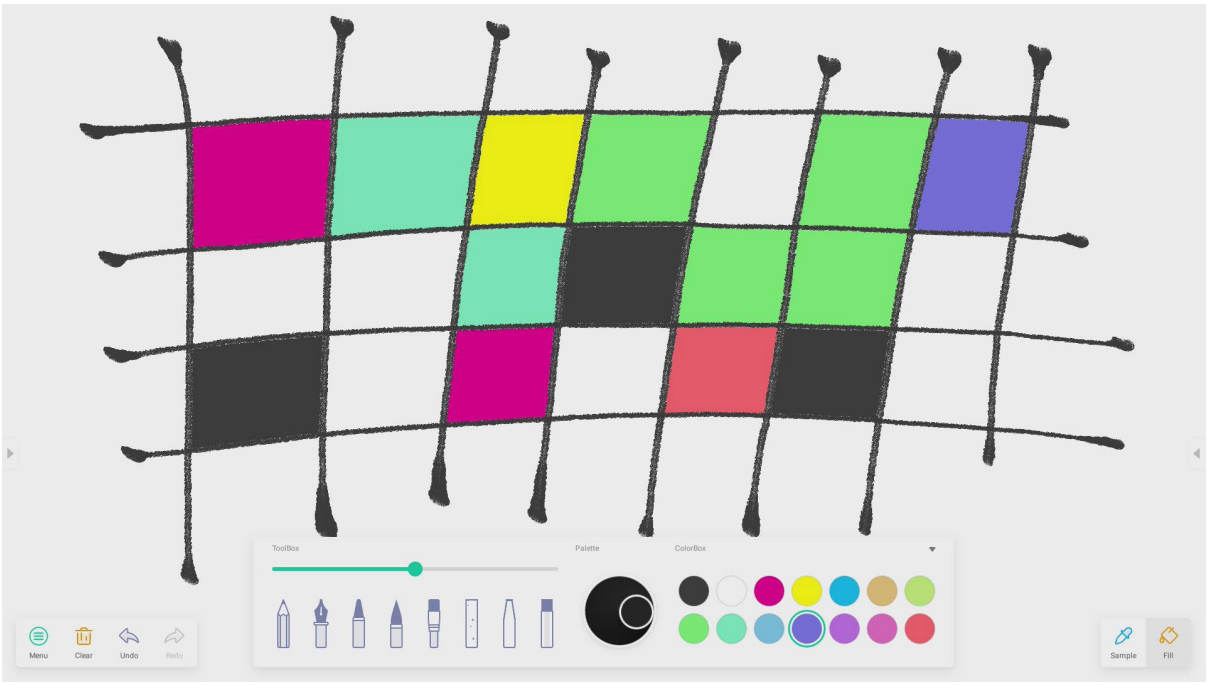
to select a Color on the workplace



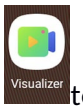
Fill

Click

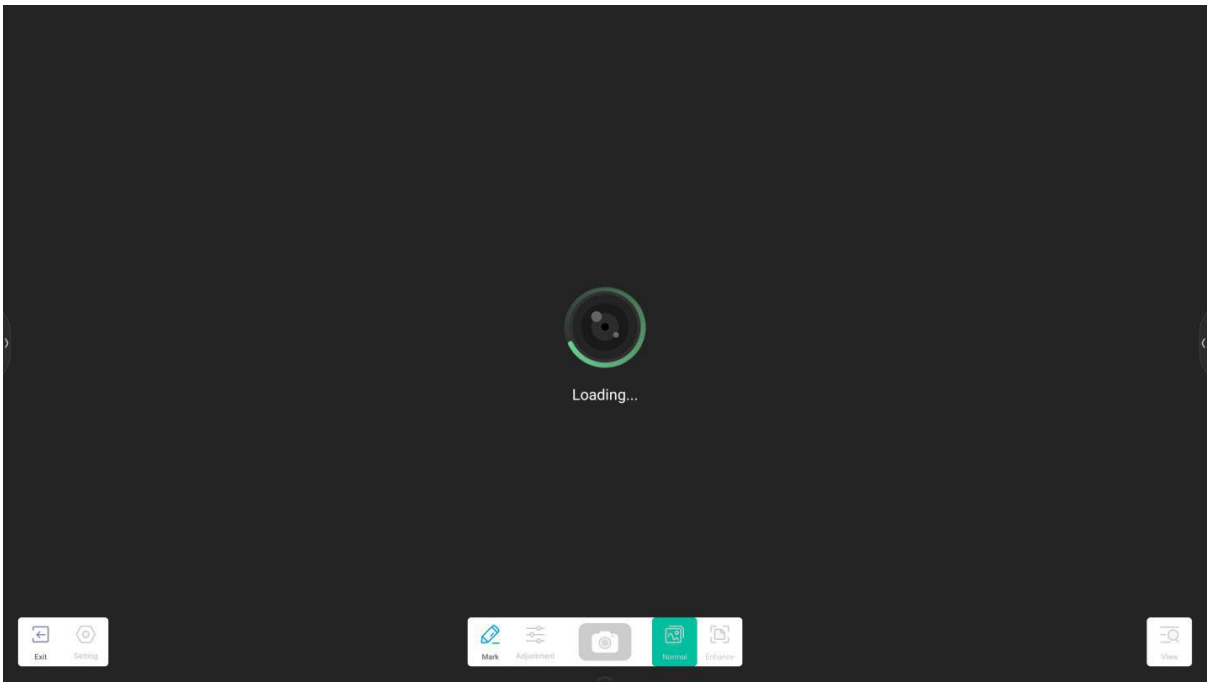
can change the pen mode to fill mode. At this mode, you can select a color on the ColorBox, then to fill a closed region, such as,



Visualizer

Click 

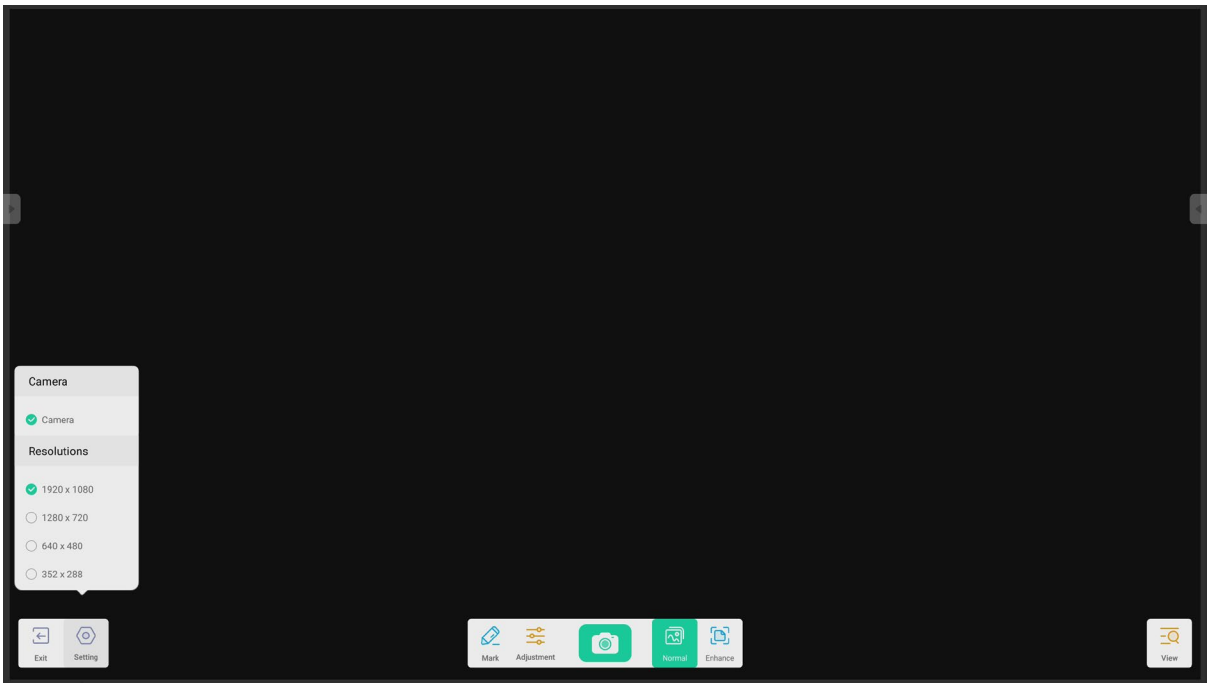
to open the Visualizer.



Settings

Click

to pop the Settings menu

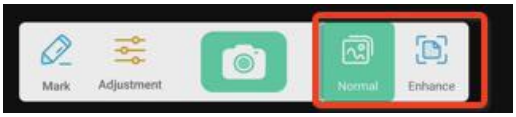


Camera
Choose Camera device you want to preview

Resolutions
Choose Preview Resolutions for Camera Selections varies from Hardware Parameter.

Mark Tools
It's as same as Mark in System Bar.

Photo Taken
Click to take picture and then auto switch to Replay mode. Button becomes back state . Click in Replay mode, then turn to camera preview state.

Preview Mode


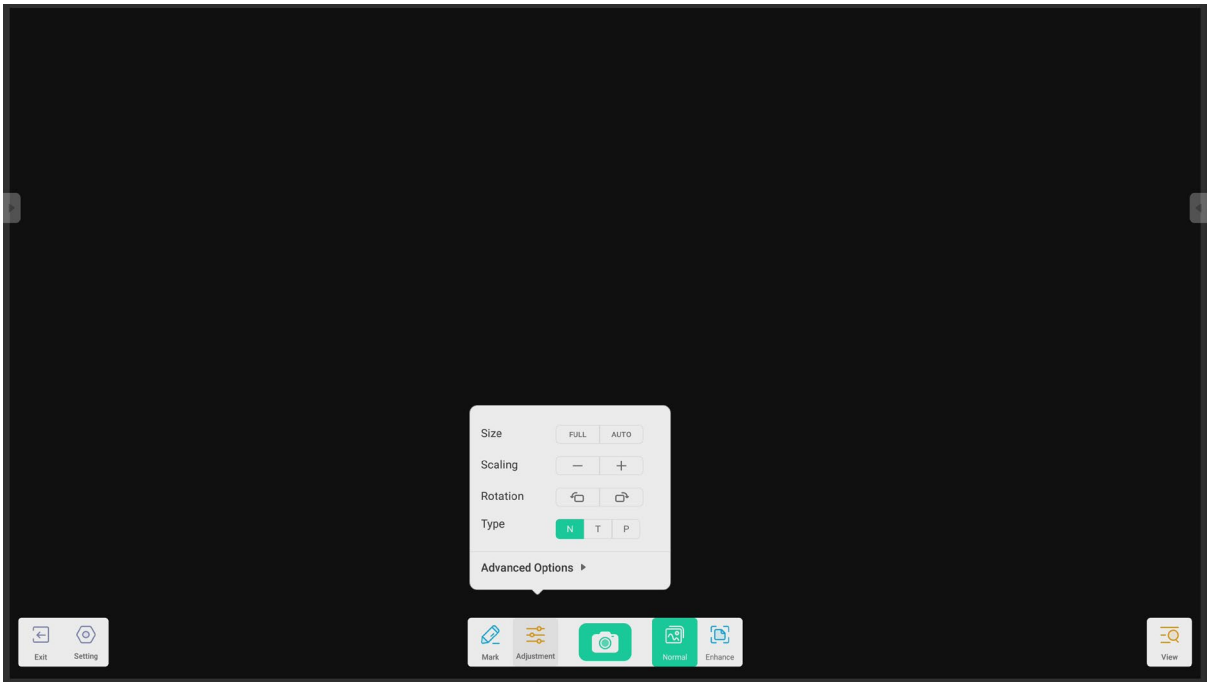
Picture Mode
Click 'Normal' to switch to Picture Mode. It's normal preview mode by default without any effect.

Text Mode
Click 'Enhance' to switch to Picture Mode. It's normal preview mode by default without any effect.

Exhibition Setting

Click

to pop Exhibition Setting menu.



Size

Click Full Button, preview screen will resize to fill the full screen.

Click Auto Button, preview screen will resize to fill the screen with fixed Aspect ratio.

Scaling

Click + button, zoom in the preview screen.

Click - button, zoom out the preview screen.

Rotation

Rotate the preview screen 90 degrees clockwise.

Rotate the preview screen 90 degrees counter clockwise.

Type

Click type N, Switch to Normal type.

Click type T, Switch to Text type, reduce color usage and improve text display quality.

Click type P, Switch to Picture type, reduce contrast and increase saturation to improve picture display quality.

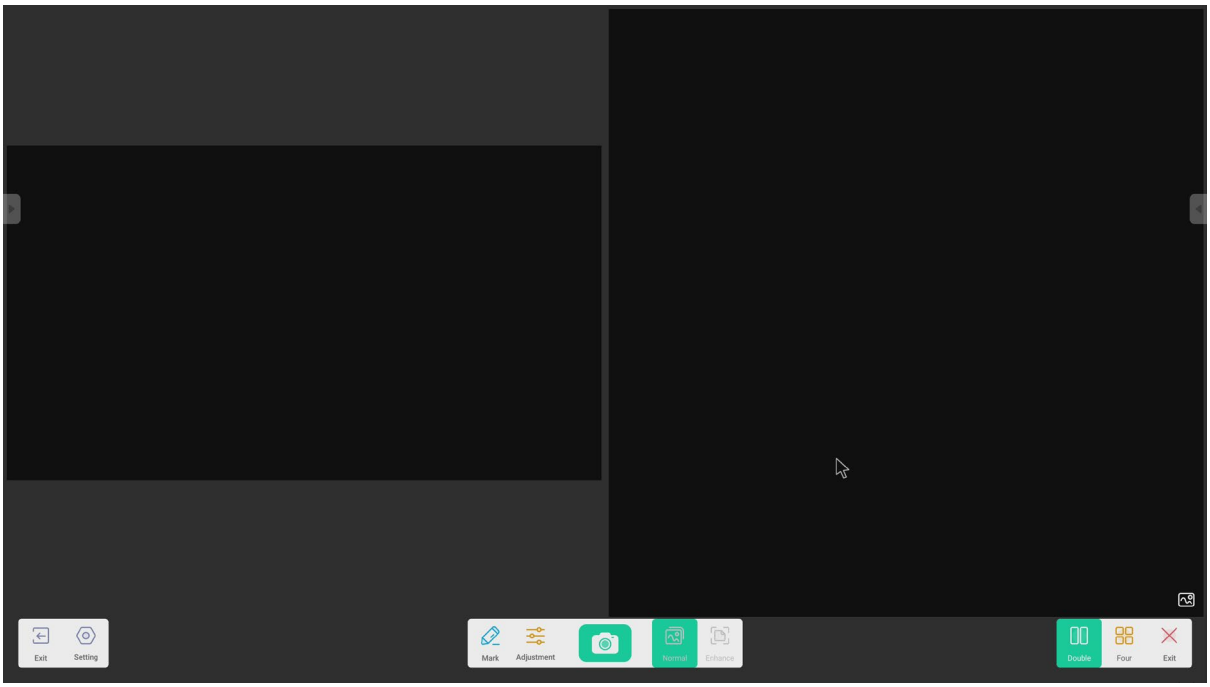
Advanced Options

Dynamically adjust brightness, contrast, saturation, sharpness.

View

Click

button, switch to Preview mode.



Multi Pics

Click

to switch to two window mode.

Click

to switch to four window mode.

Click to select preview file.

Click

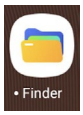
to select preview file.

Exit

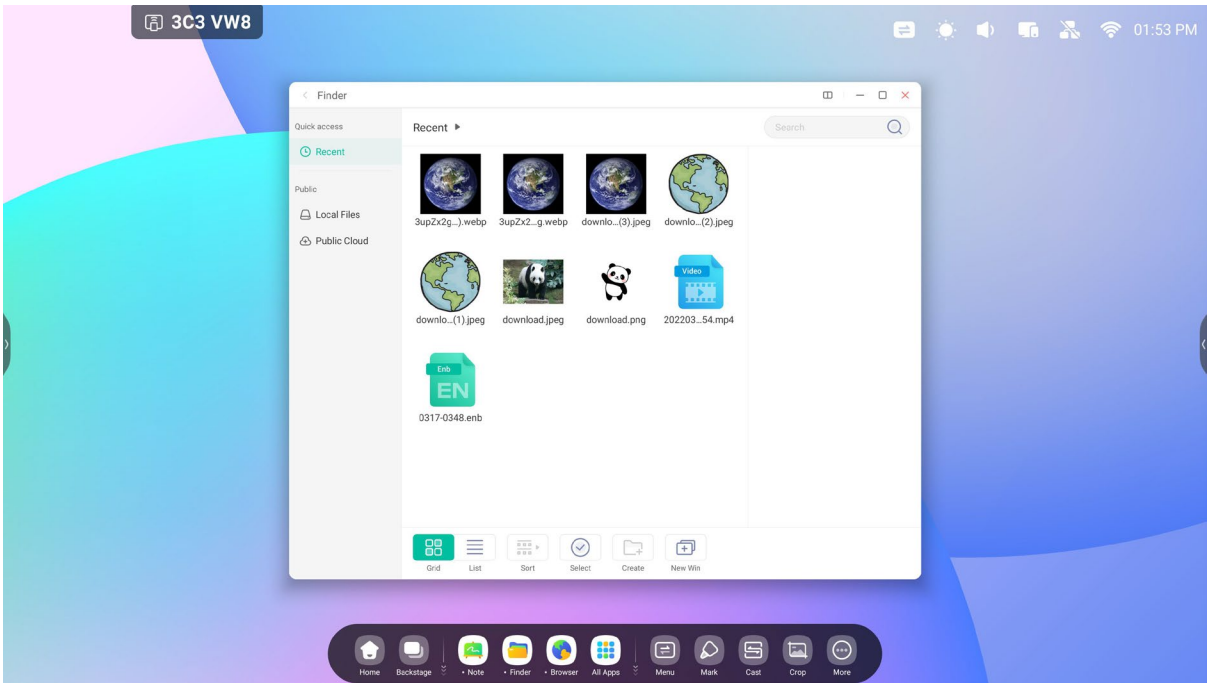
Click

to exit the Visualizer

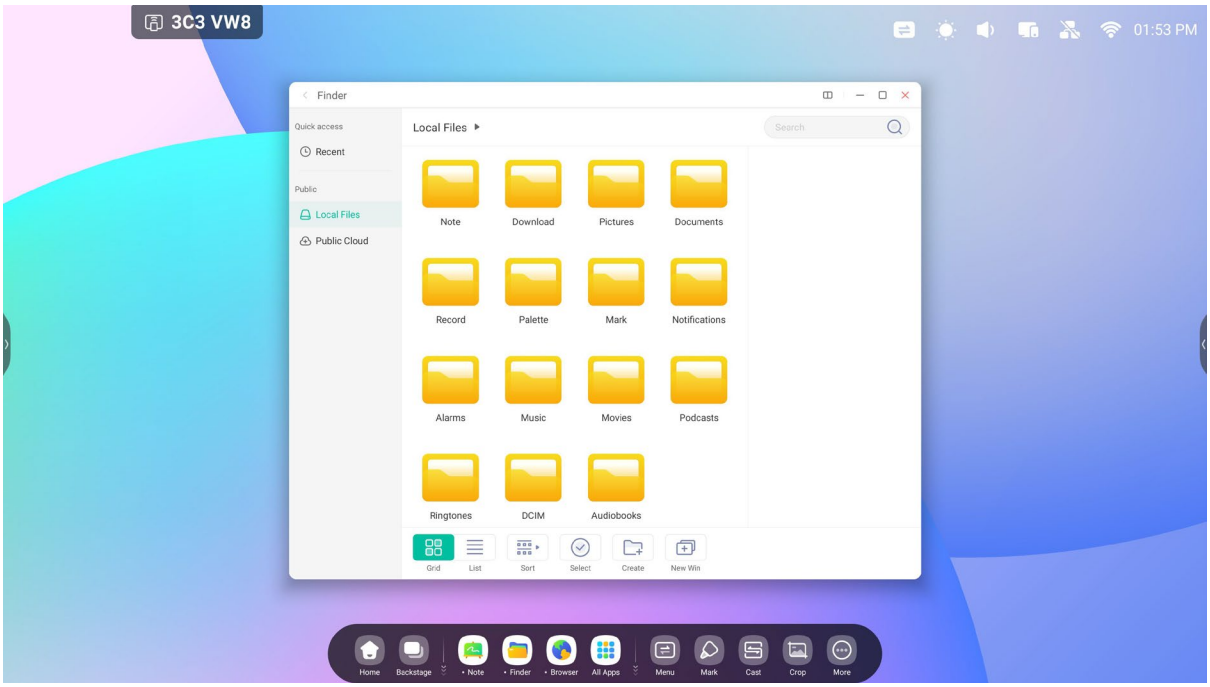
Finder

Click 

to open the Finder.

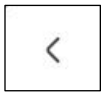


Public

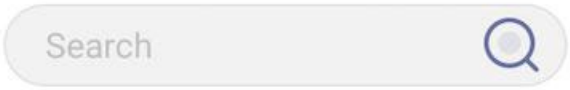


Users can browse resources stored in the local storage according to category, including document, whiteboard writing (pages saved by the whiteboard and quick screenshot), video, picture, and audio.

Back

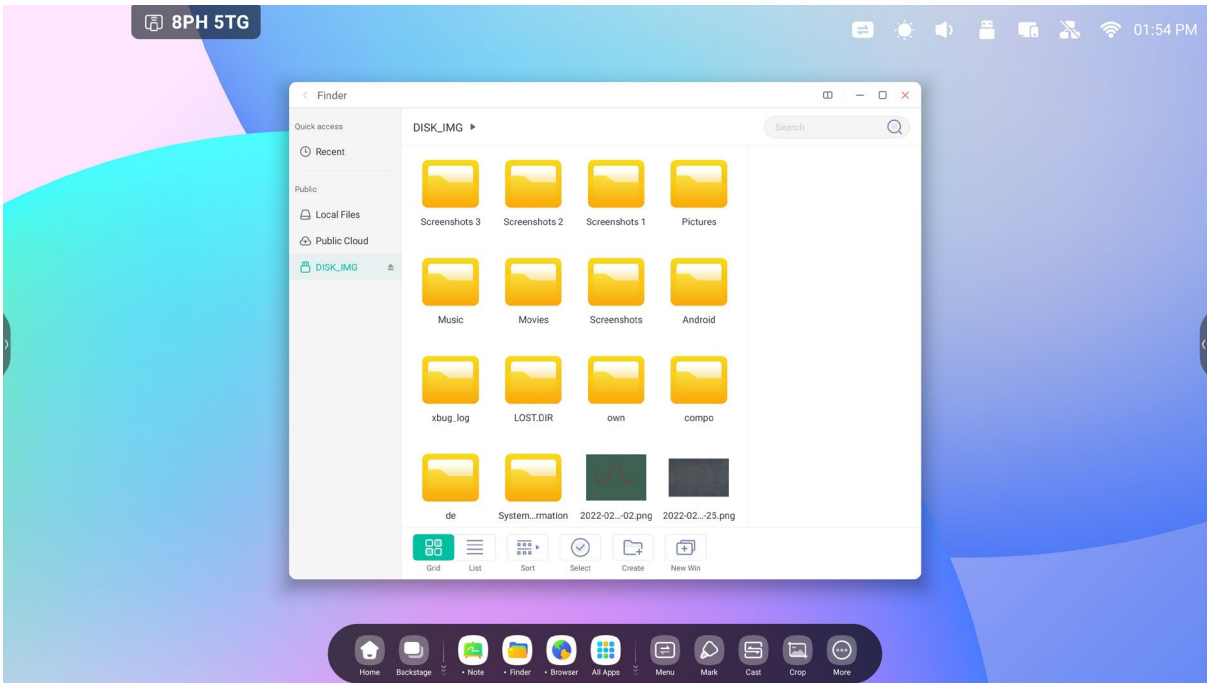
Click  button to return to the previous page.

Search



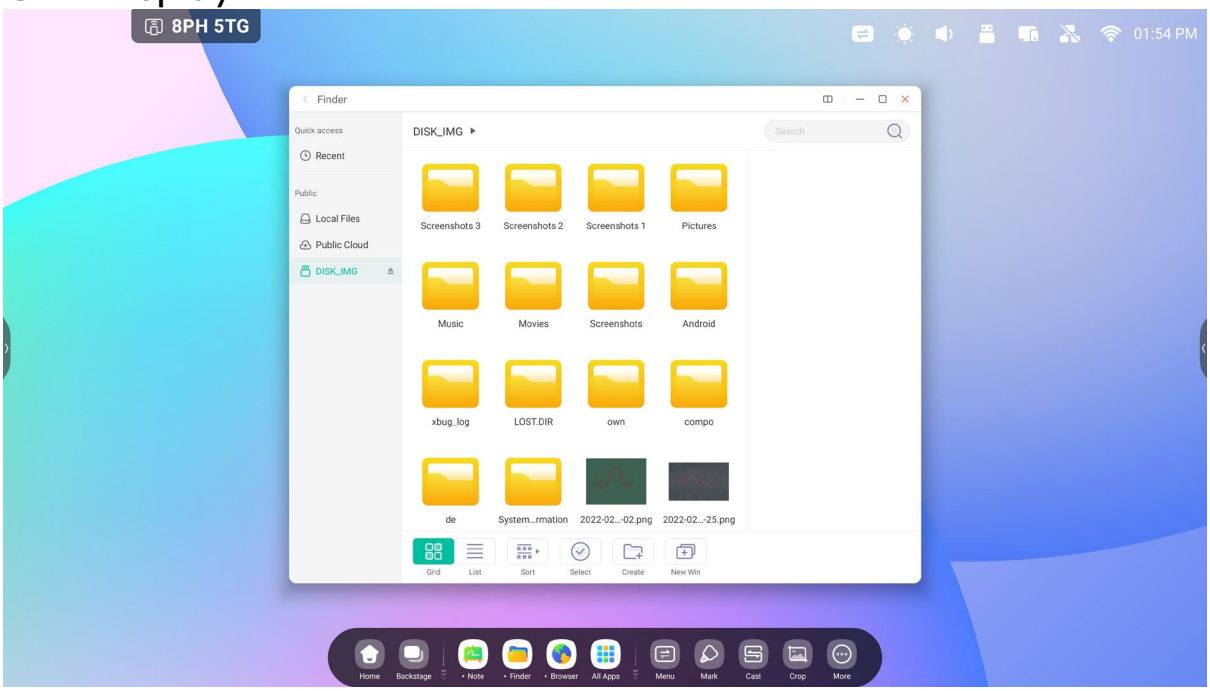
Search. In the input box on the right upper corner of the interface, enter the resource name you want to search and click to search for the resources. For example, by entering “word,” you can find resources whose name is “word.”

USB



Users can browse resources stored in the USB storage according to category, including document, whiteboard writing (pages saved by the whiteboard and quick screenshot), video, picture, and audio.

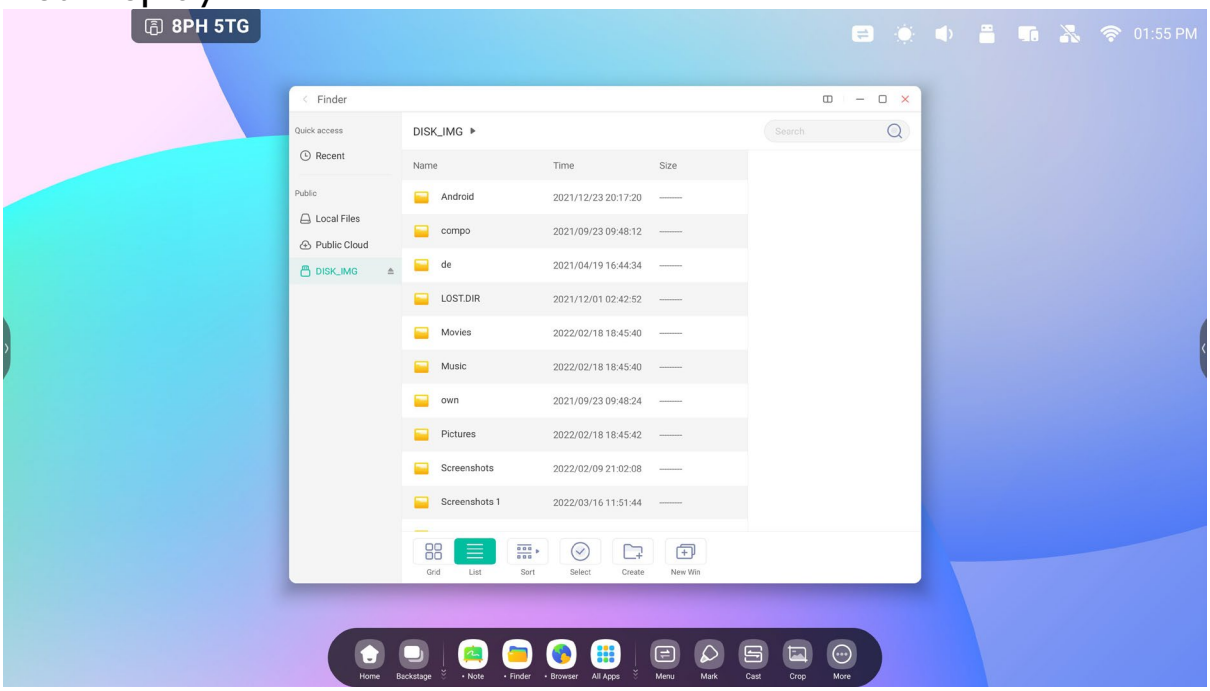
Grid Display



Click

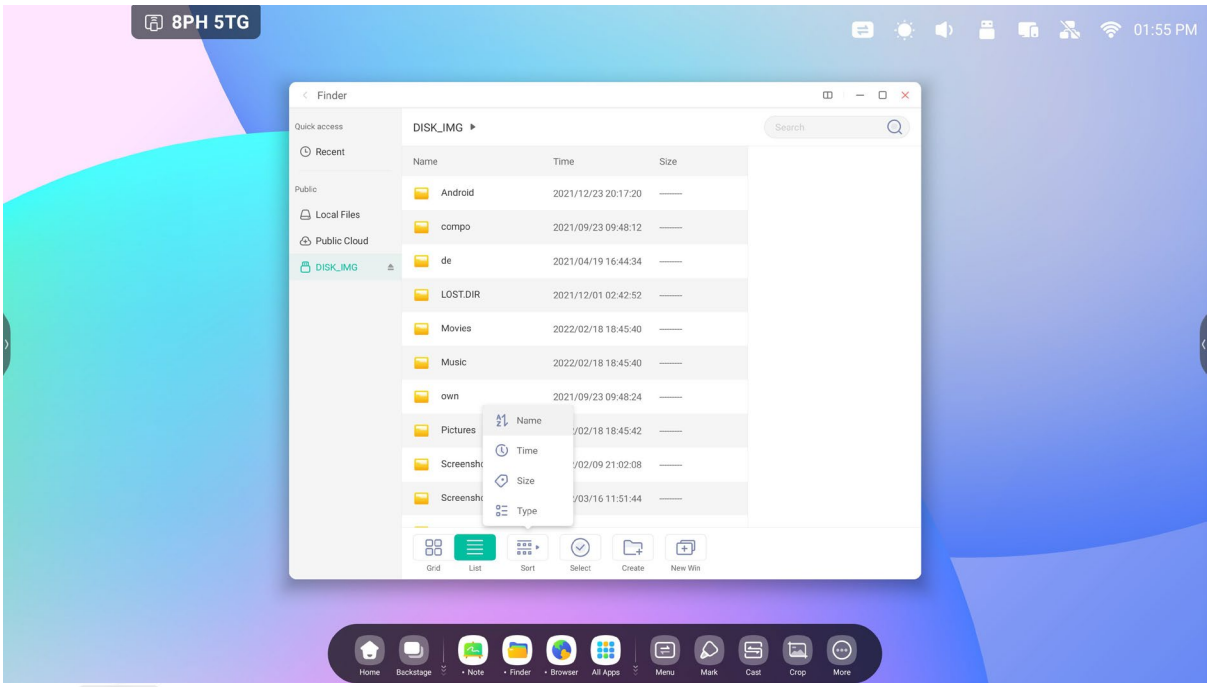
to display the resources in the form of icon. The resources are displayed in the form of icon by default.

List Display



Click List to switch to display the resources in the form of detailed information.

Sort



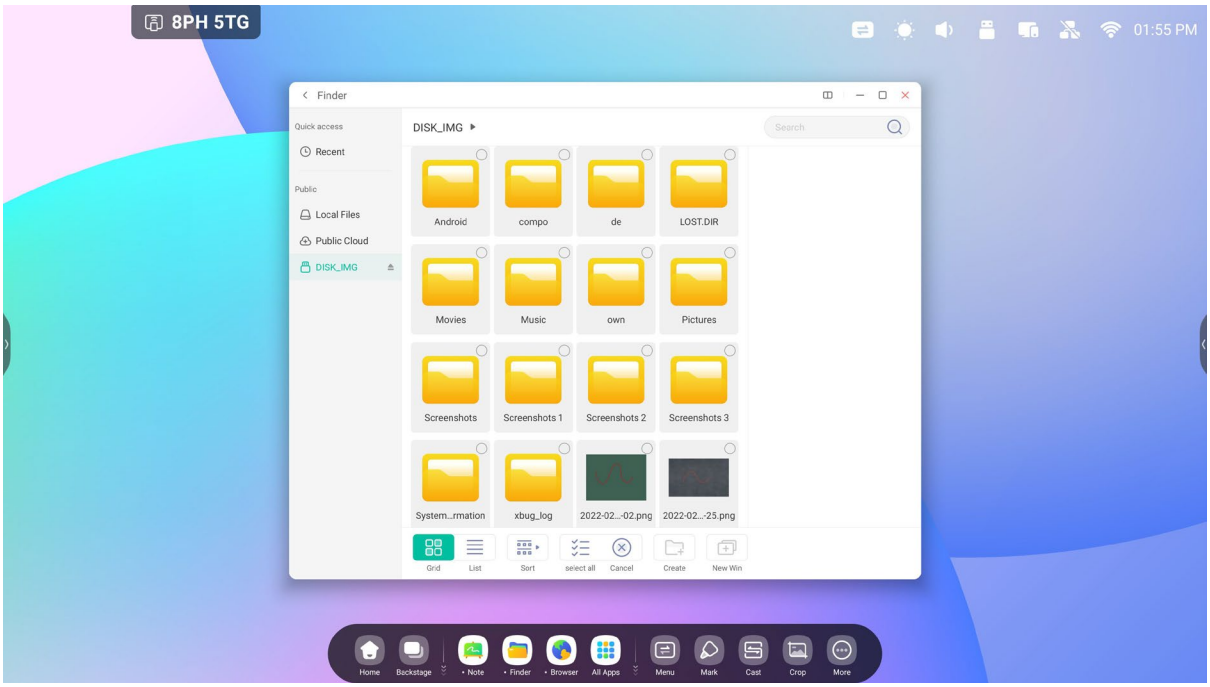
Click the ordering button to pop out the menu as shown in picture. You can order the resources, including ordering according to the name, type, o size, and time. Resources are ordered according to name by default.

Select

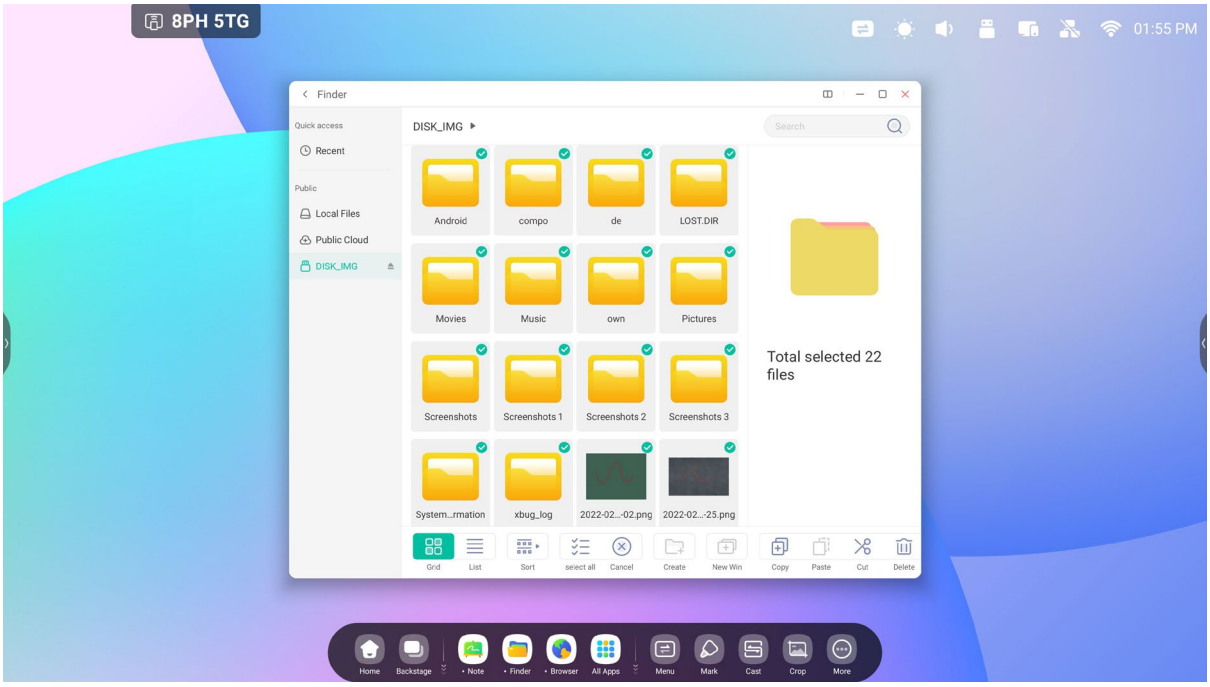
Click the button to switch to

, and a selecting box pops out on the left upper corner of the resources. Then you can select resources as required.

Select All



Selecting all. By clicking the SelectAll button, you can select all resources under the current directory.



Cancelling selecting. Click Cancel to cancel all resources that have been selected currently.

Copying

Copying. When the resource is selected, the copy button will appear. Click to copy the currently selected resource.

Pasting

Pasting. When there is any resource being copied or cut currently, the button is available. Users can paste the copied/cut resource to the specified location as required. You can execute the pasting operation only when the default folder is displaying “all” resource locations.

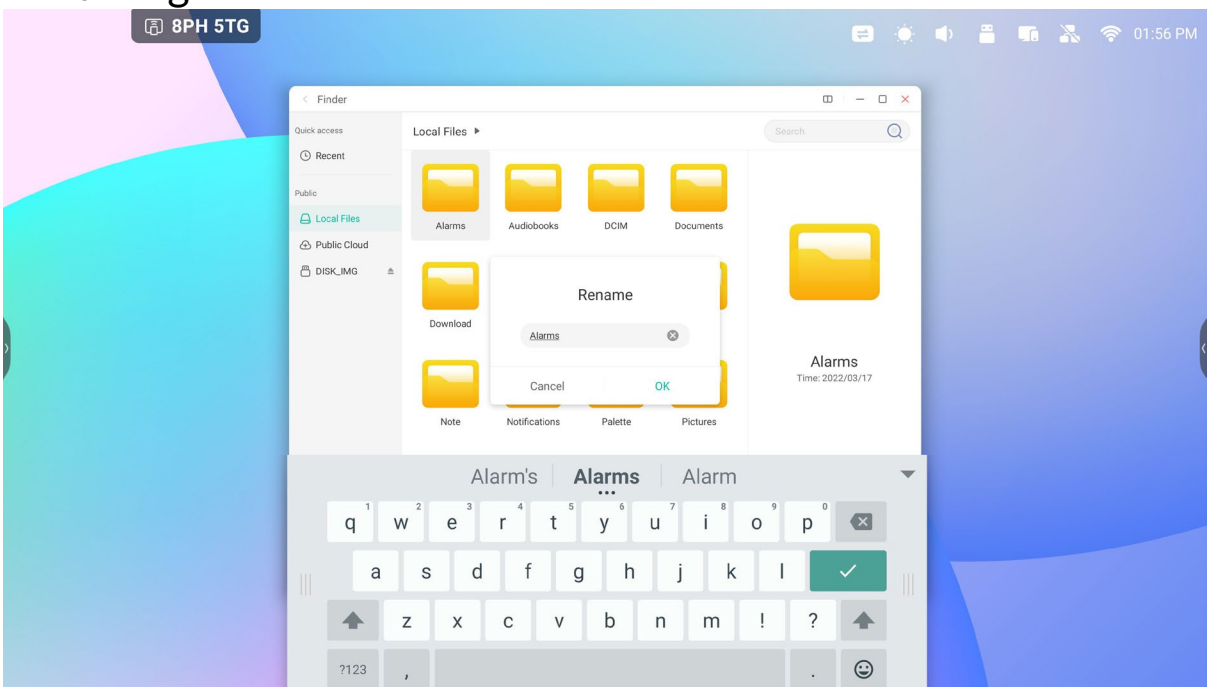
Cutting

Cutting. When the resource is selected, the cutting button will appear. Click to cut the currently selected resource.

Deleting

Deleting. Click to delete the selected resource.

Renaming



Renaming. Click to rename the selected resource.

More

More. Click to pop out the “send to” button. You can send the selected file to the target folder.

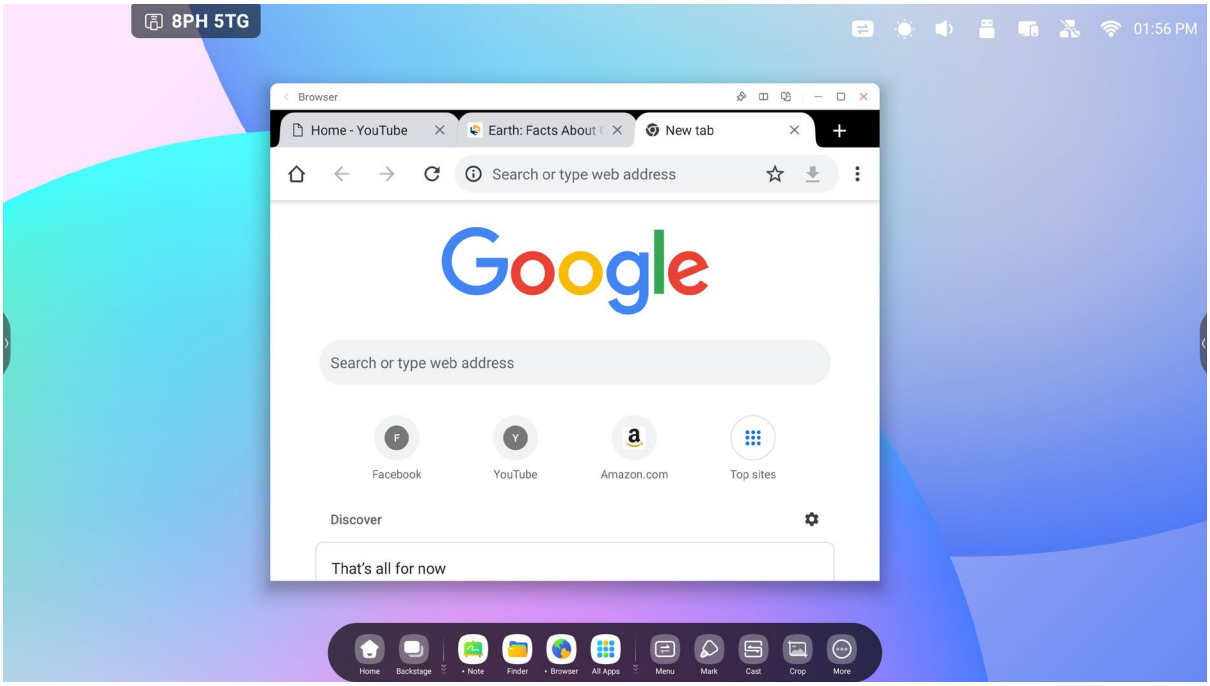
New Folder

New Folder. Click “New Folder” to create new folders under the current directory.

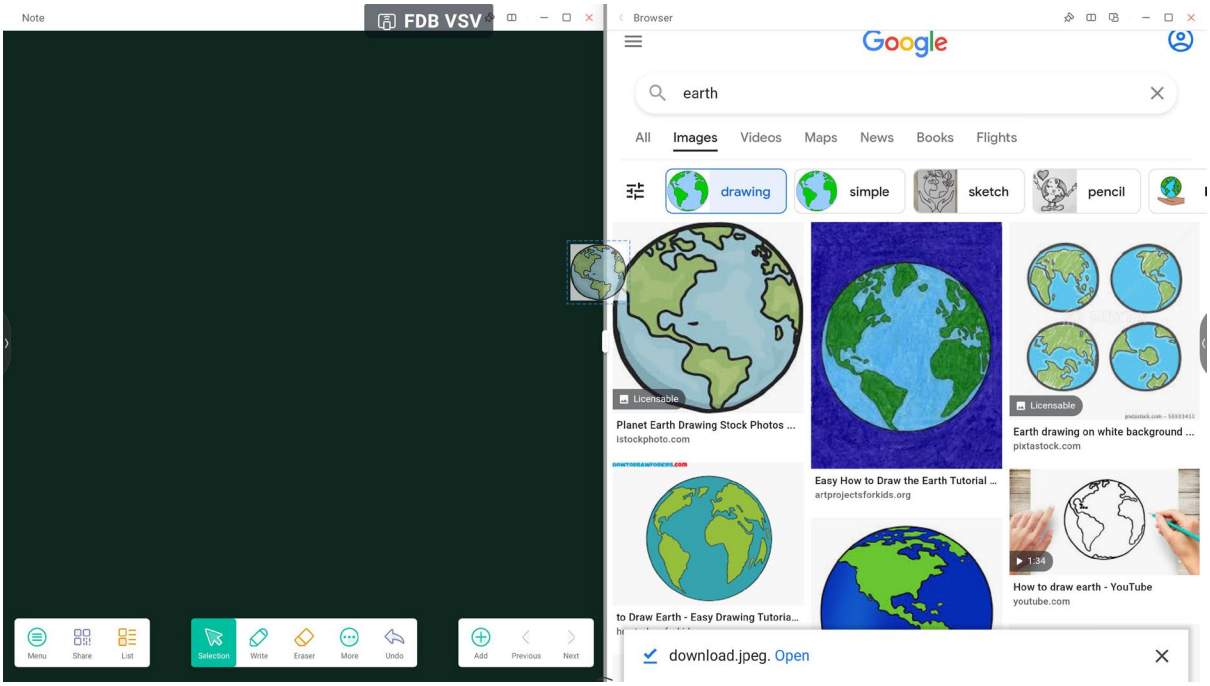
Browser

Click

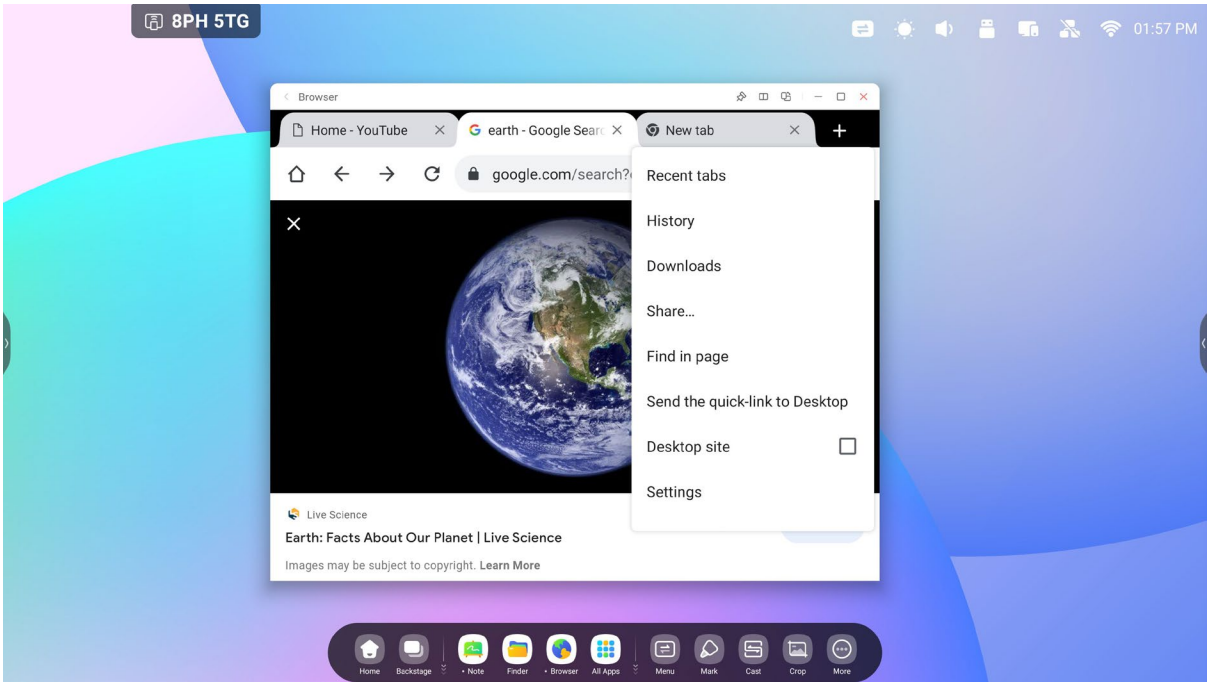
to open the Browser.



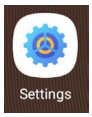
Long press image or text then drag to Note



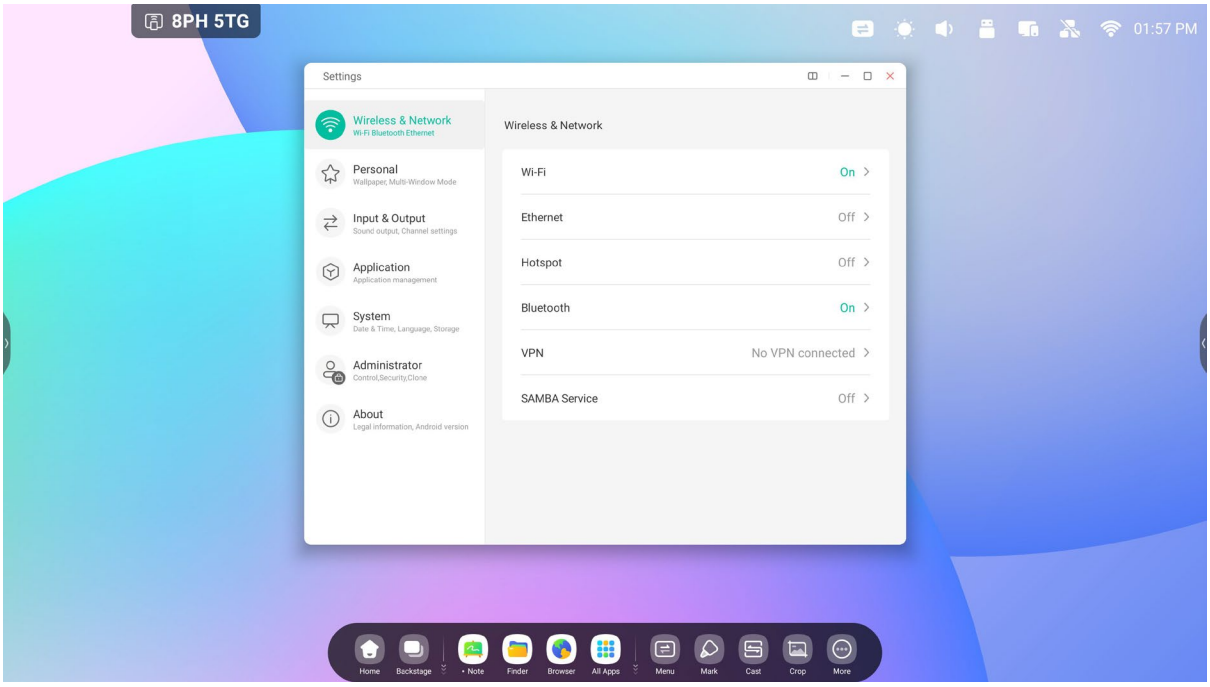
Click Send the quick-link to Desktop in browser more settings to add quick-link to Desktop



Settings

Click 

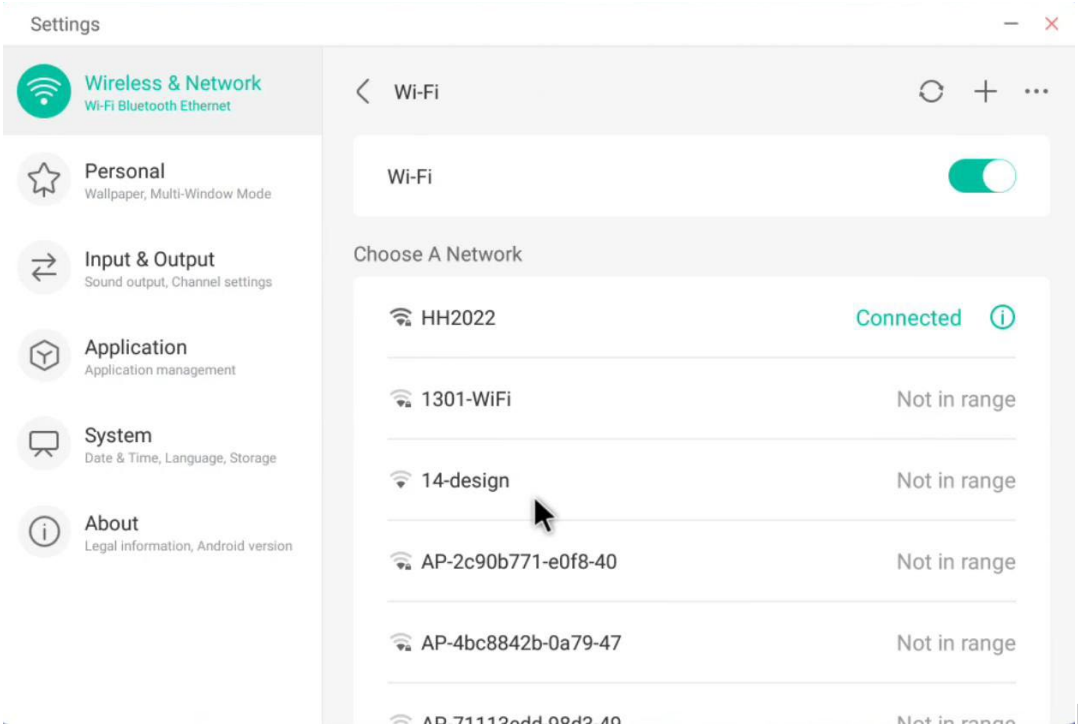
to open the Settings.



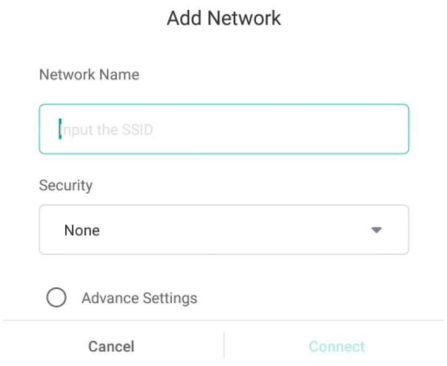
Wireless & Network

Wi-Fi

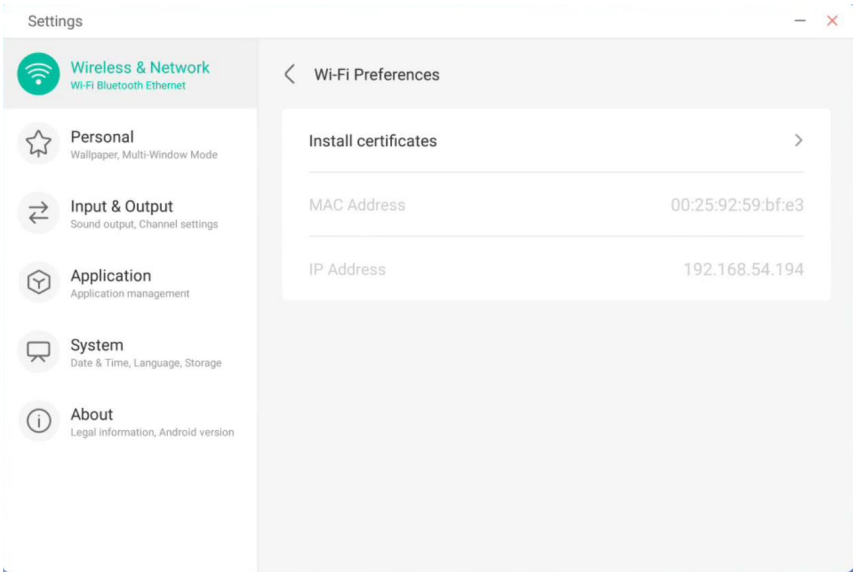
If you plug in a Wi-Fi module, you can click on the Wi-Fi menu to enter the Wi-Fi interface, manage and view your Wi-Fi connection.



If you cannot find your Wi-Fi, you can manually configure to add Wi-Fi by clicking + on.

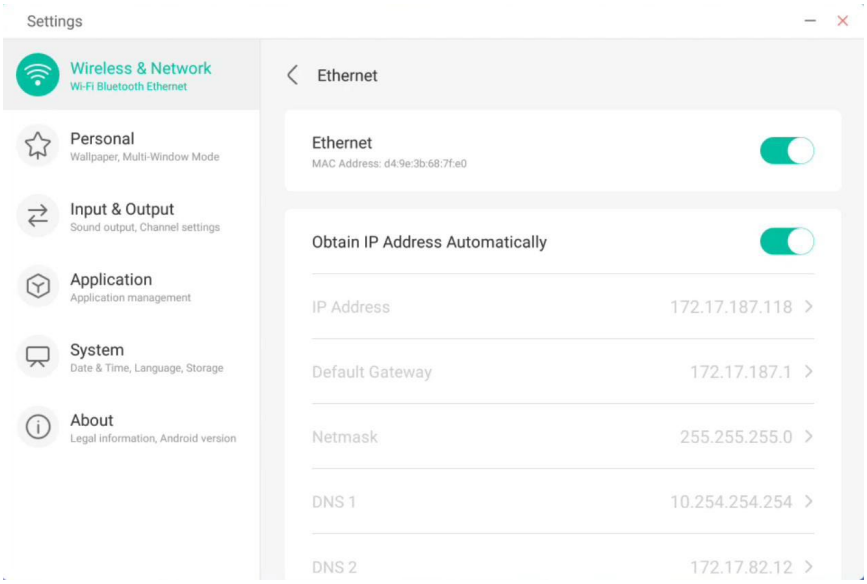


In addition, you can click on ••• to see your Wi-Fi address and install certificates.



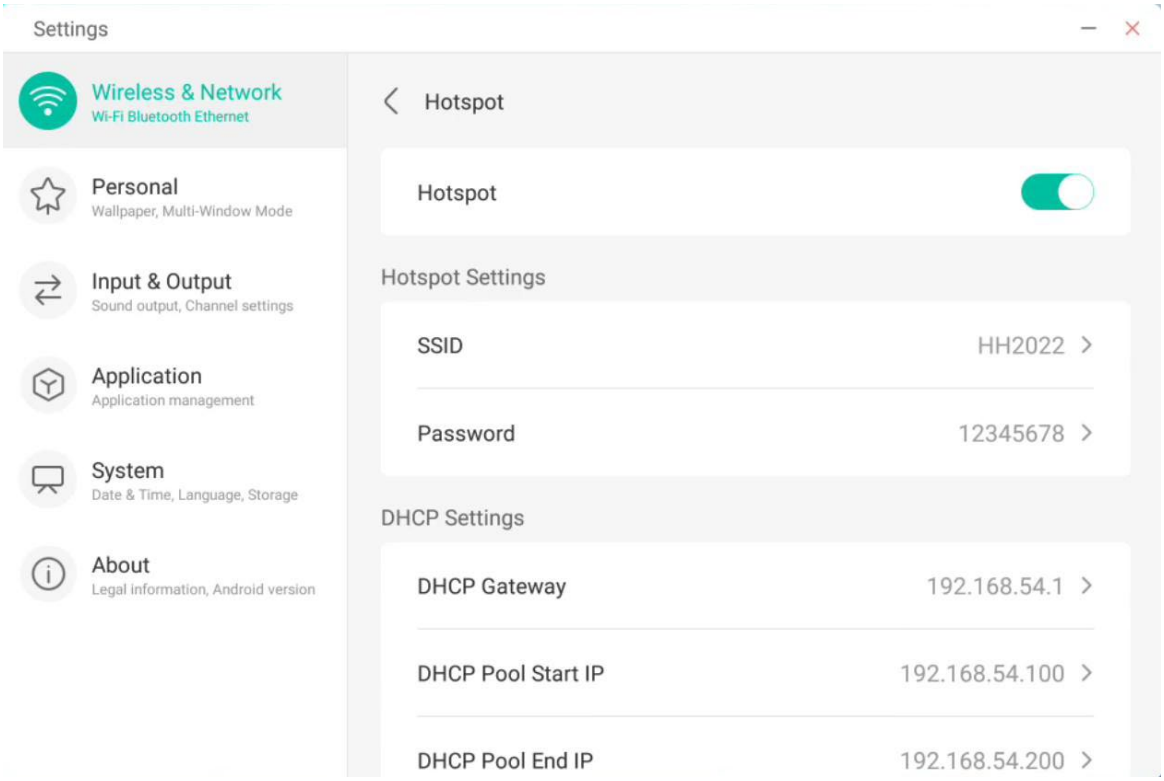
Ethernet

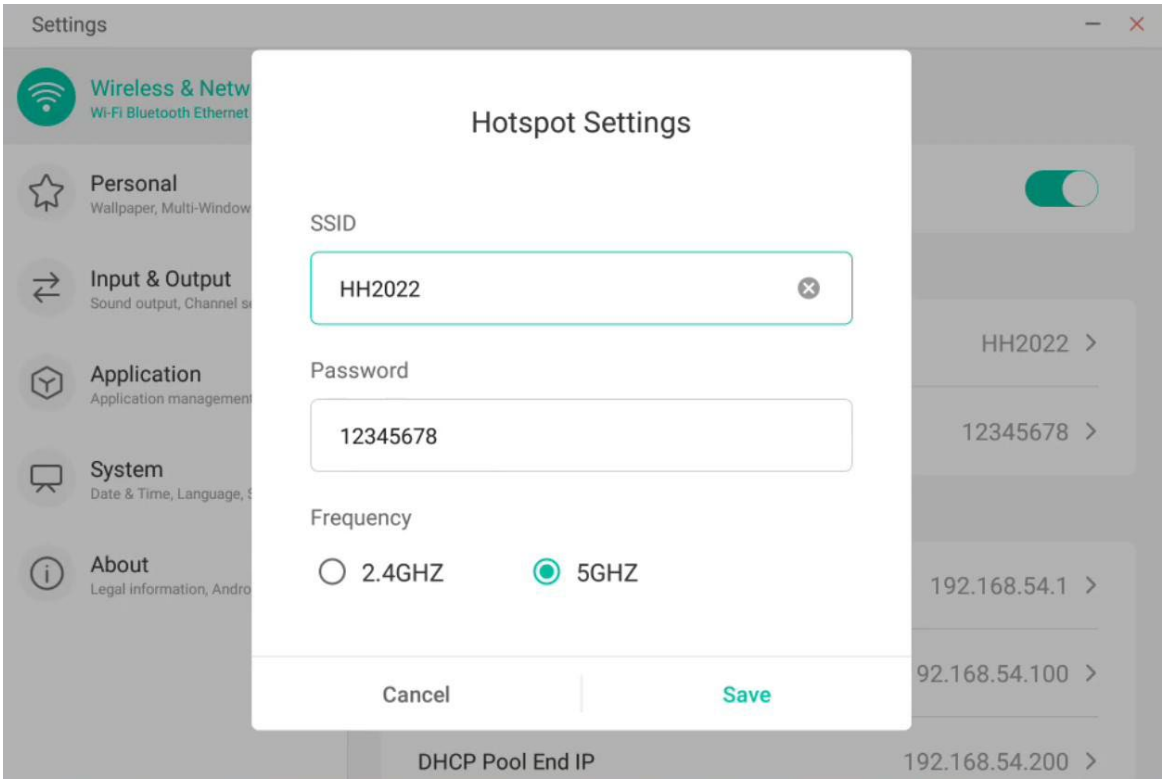
Wired network Settings allow you to view and control the state of your network, or you can manually set your static IP configuration and proxy configuration.



Hotspot

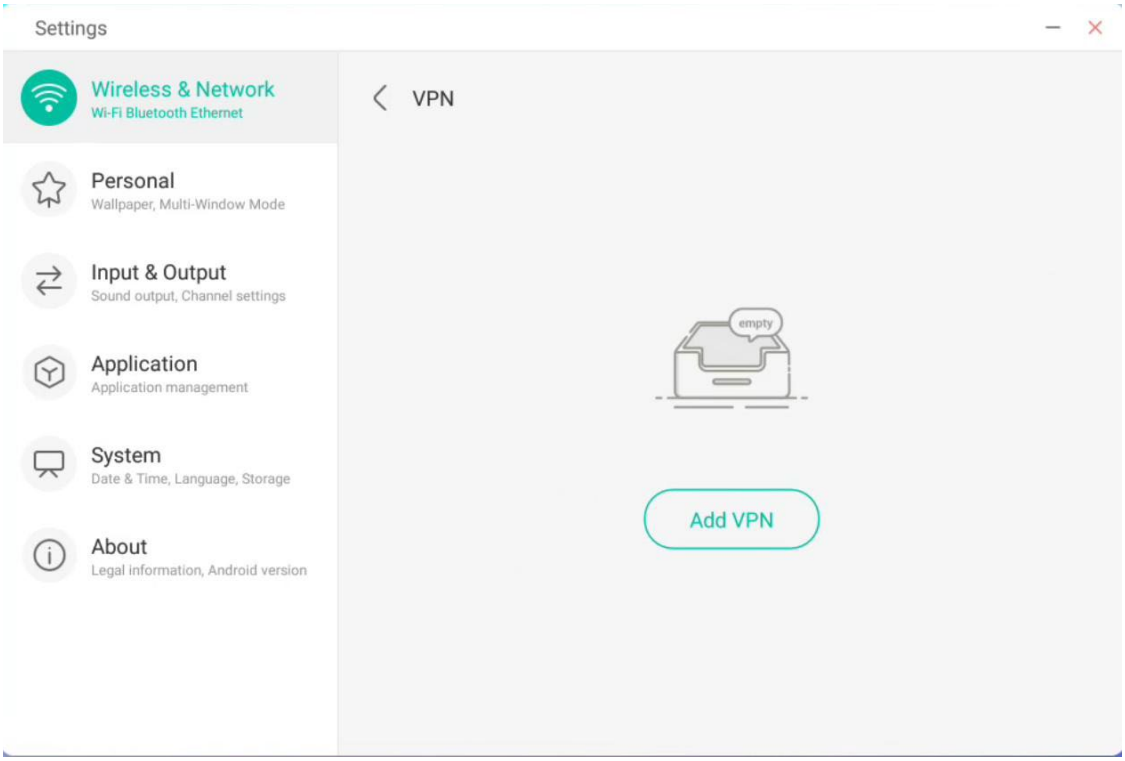
If you plug in a hotspot module, hotspot Settings allow you to view and control your hotspots, or manually set your hotspot name, password, and frequency

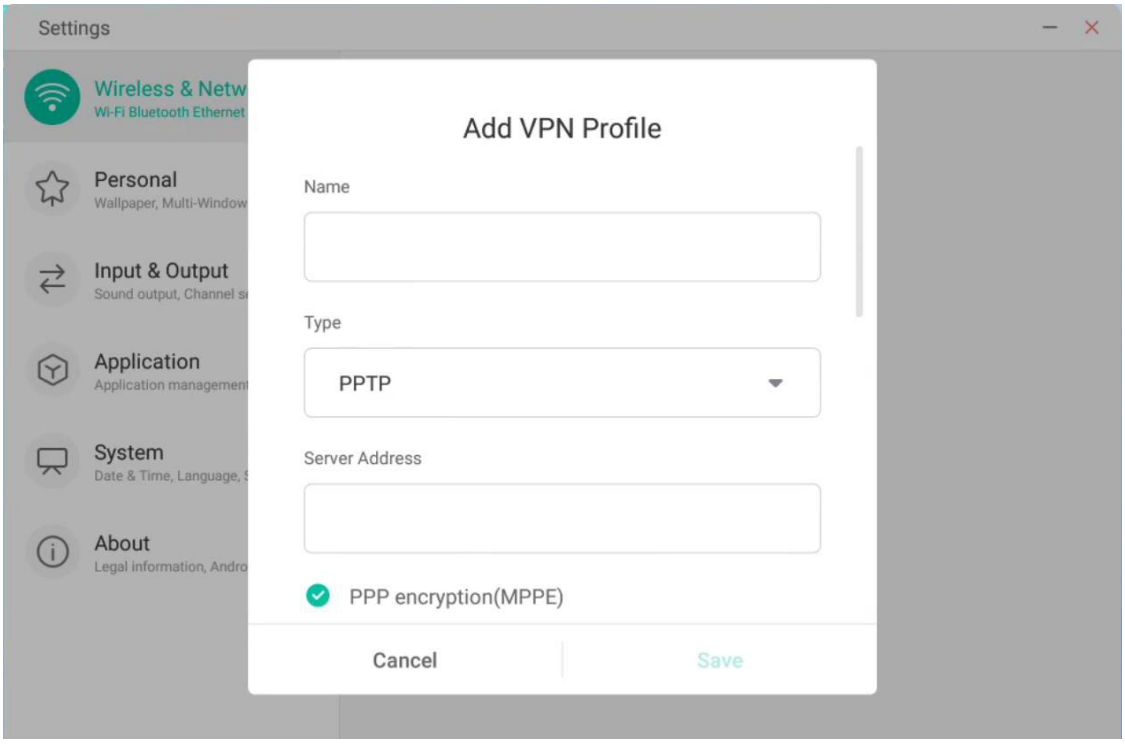




VPN

You can add your VPN connection to the VPN setup, where you can manage all the VPN configuration and status.

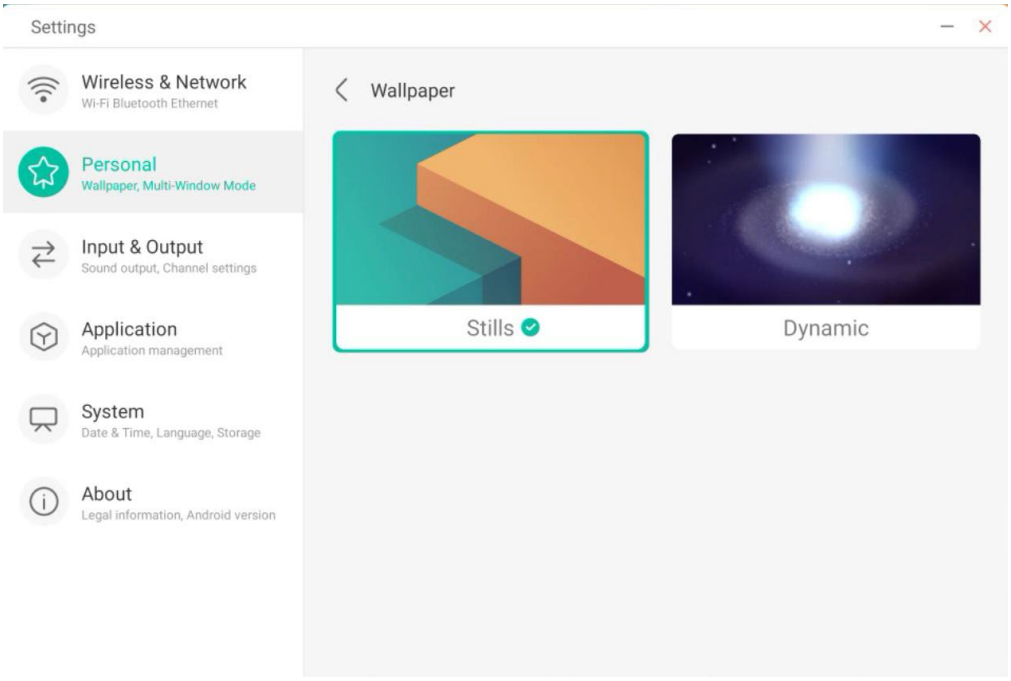




Personal

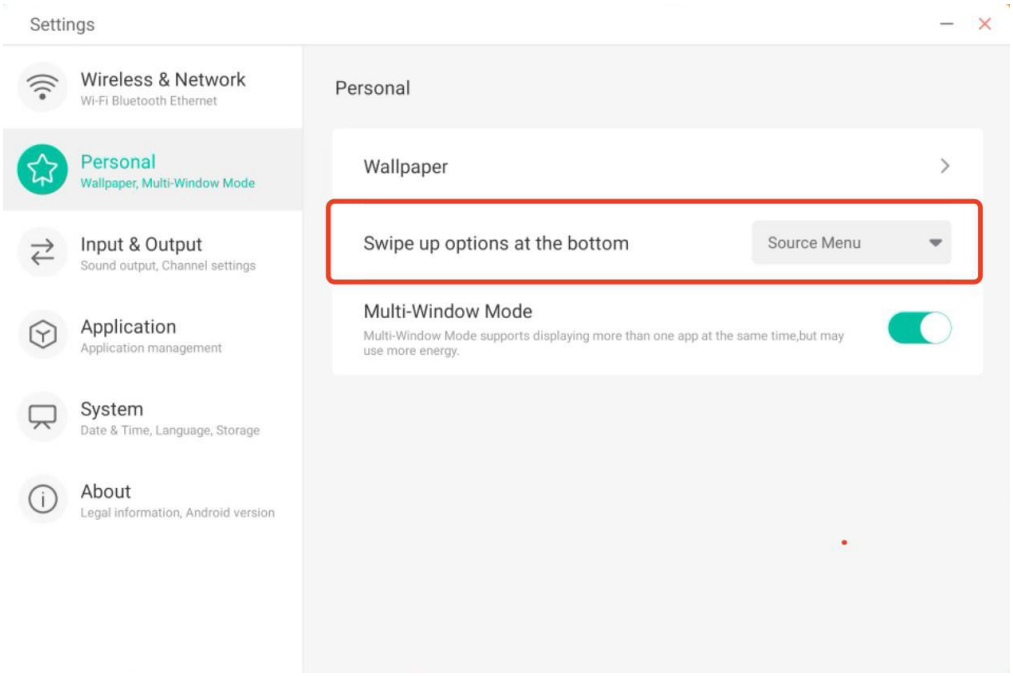
Wallpaper

Wallpaper Settings support both static and dynamic wallpapers. You can choose which wallpaper you like to set to your desktop.



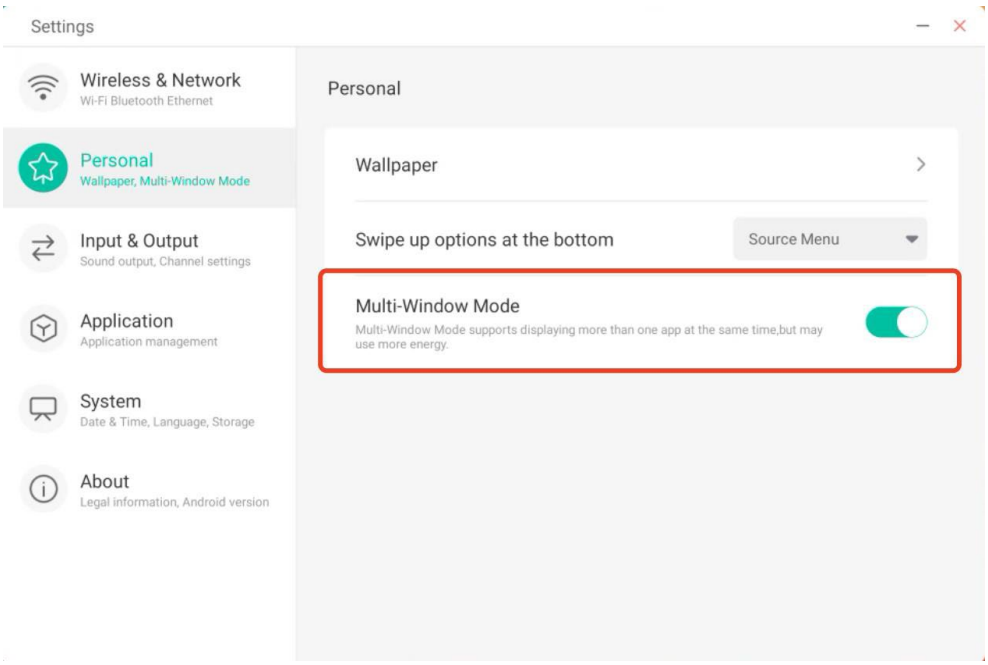
Swipe up options at the bottom

You can use this configuration item to set whether swipe up at the bottom evokes an OSD window or a toolbar.



Multi-Window Mode

Multi-Window Mode allows you to switch the system's window mode to full-screen mode or multi-window mode, depending on your preferences.

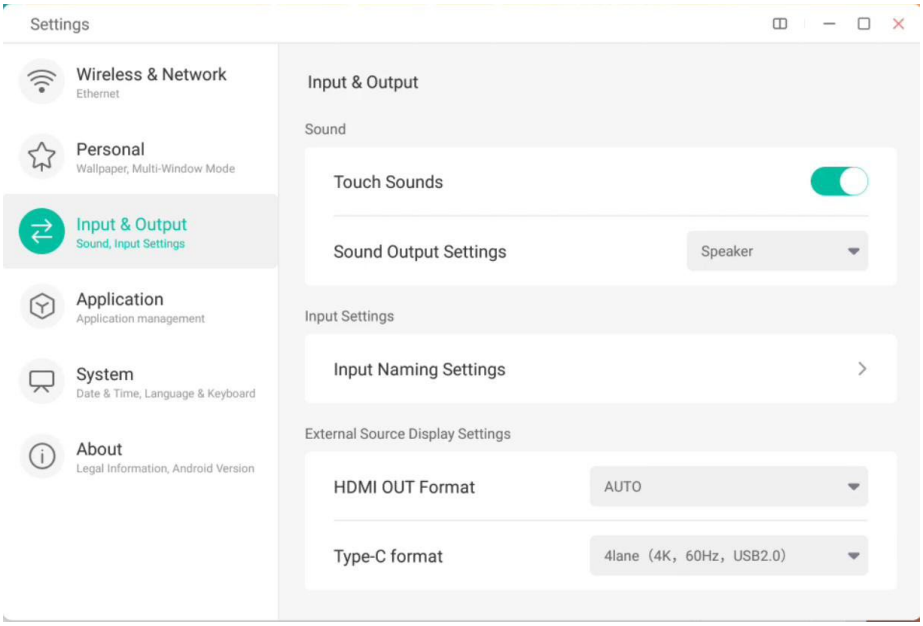


Input & Output

Sound

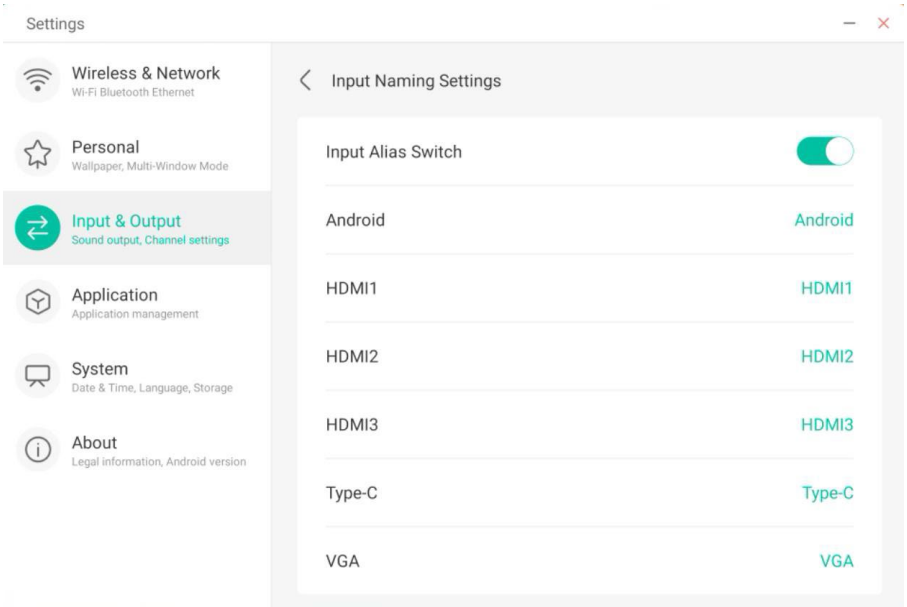
For "Touch Sounds", you can use this configuration to set whether to enable touch sounds on your device.

In addition, the "Sound Output Settings" allows you to switch the sound output source of the device, such as headphone and speaker. Of course, it can automatically switch the appropriate sound output source when you connect or unplug the headset.



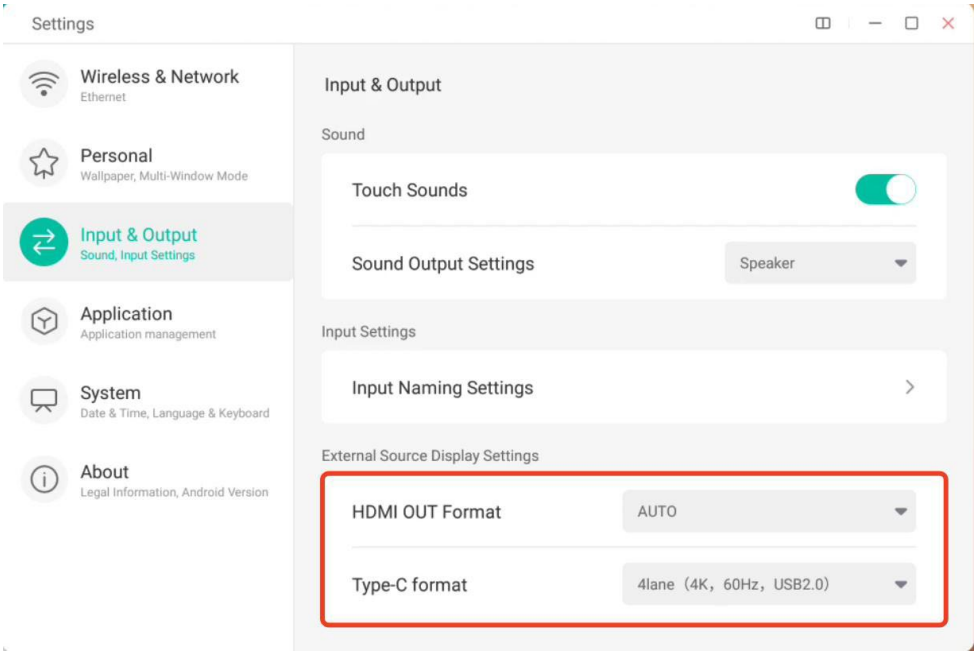
Input Naming Settings

This setting allows you to enable channel aliases, you can customize your channel name and apply it to the OSD menu and channel display.



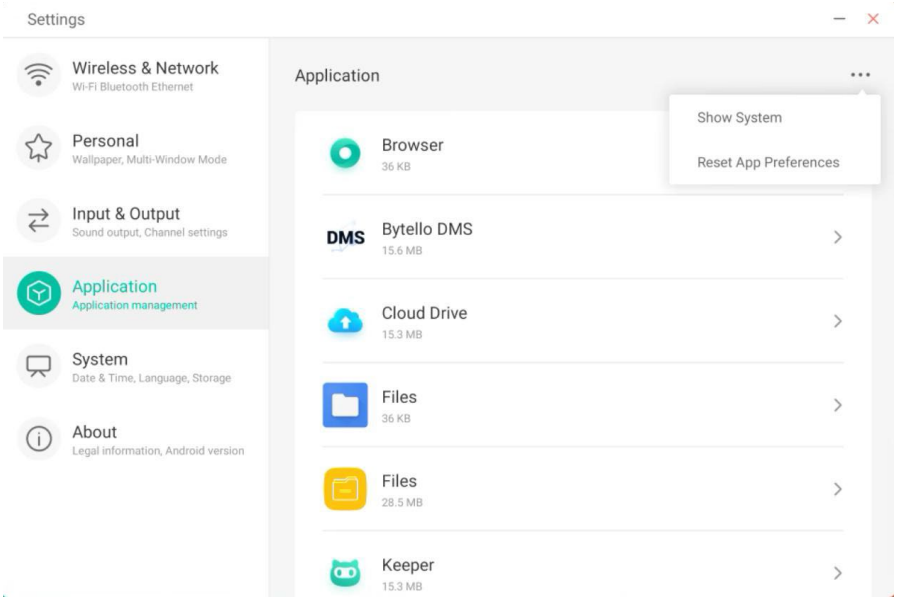
External Source Display Settings

External source Settings allow you to set the HDMI OUT resolution and type-C format.



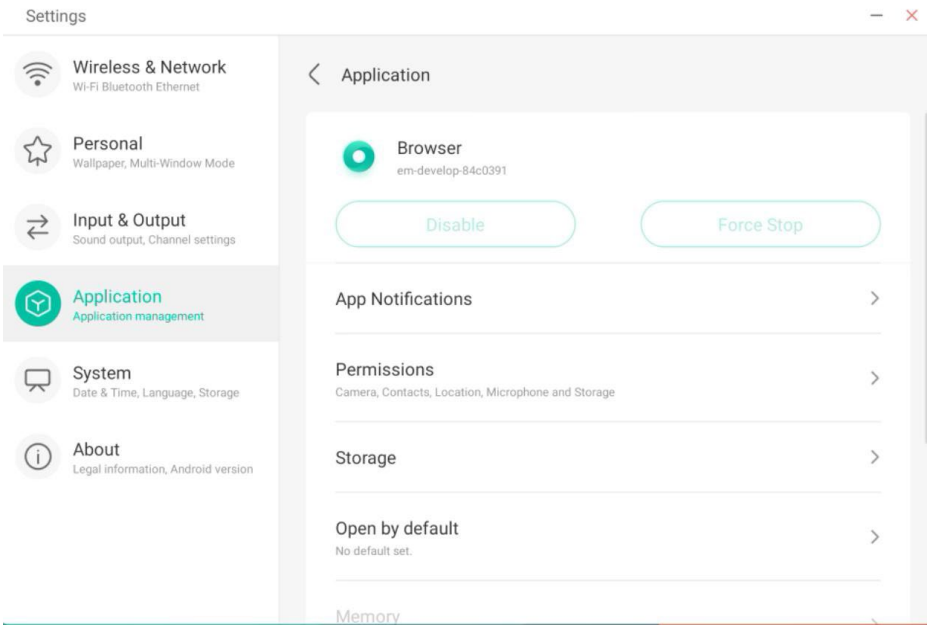
Application

Here you can view and manage all the applications installed on your device. By default, third-party apps and desktop apps are displayed. You can control whether the rest of the system is displayed or not. In addition, you can restore the default preferences of all applications here.



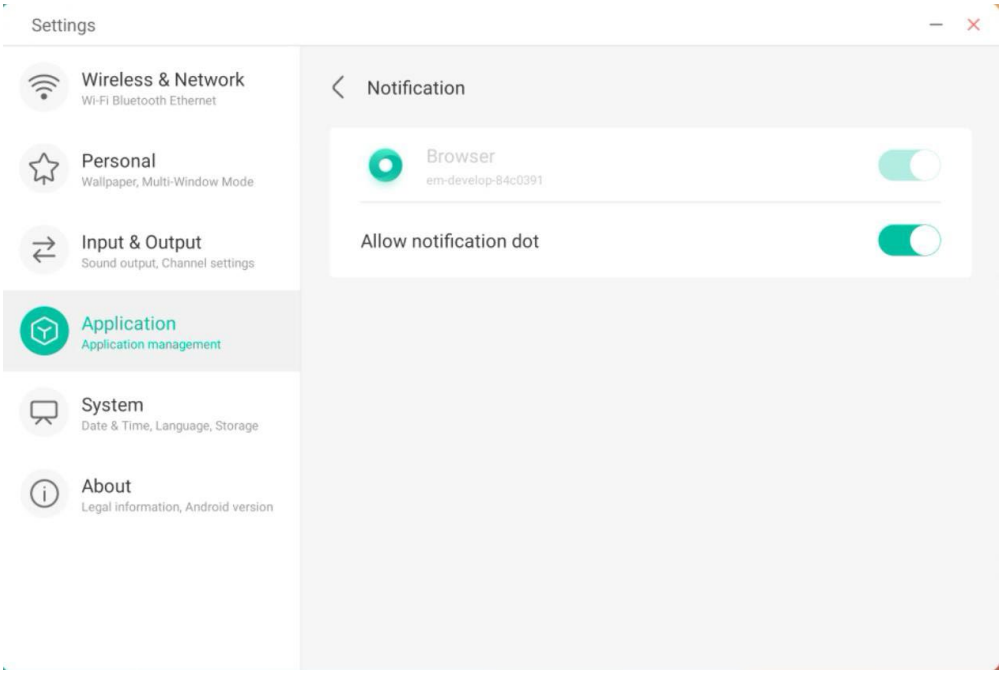
Application Details

For each application, we list specific information about the application, including memory usage, permission requests, notifications, etc. You can also uninstall, disable, and stop an application.



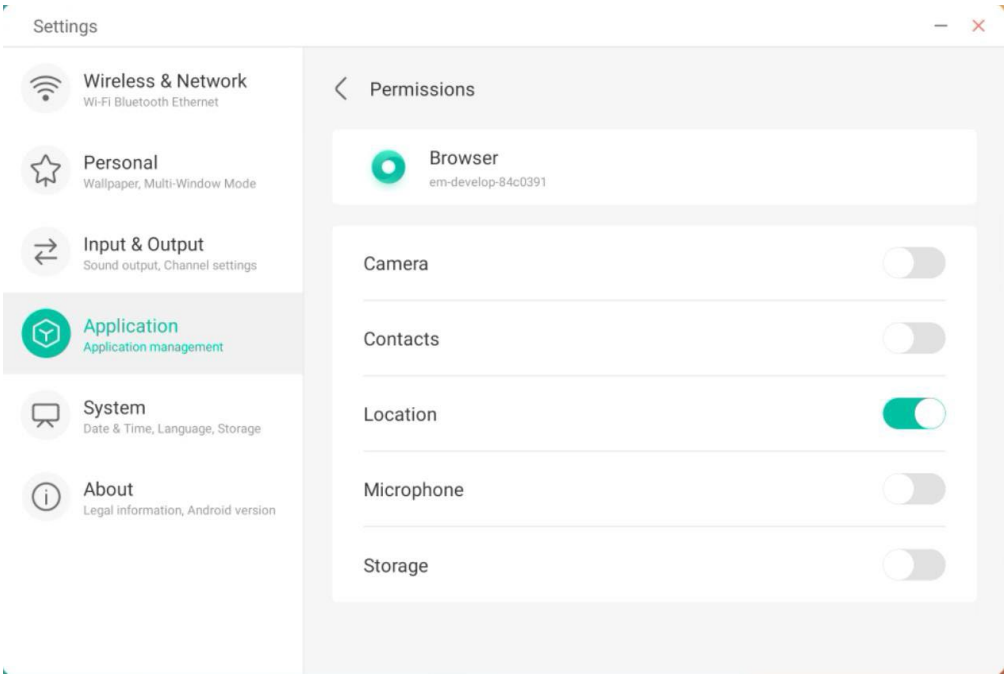
Notification

You can modify the application's message notification configuration.



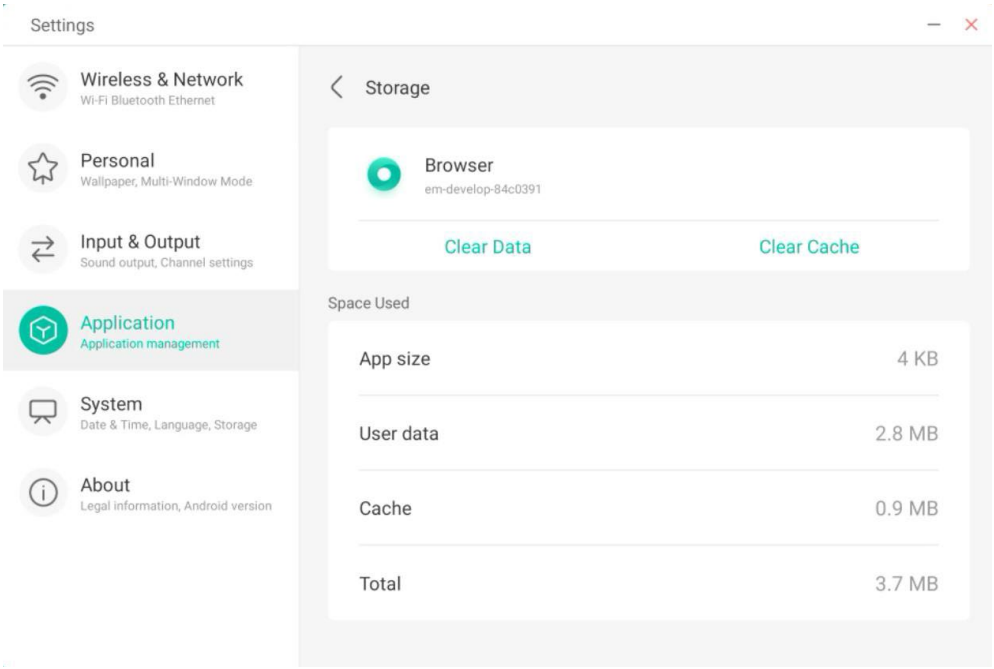
Permission

You can modify the permission request of the application.



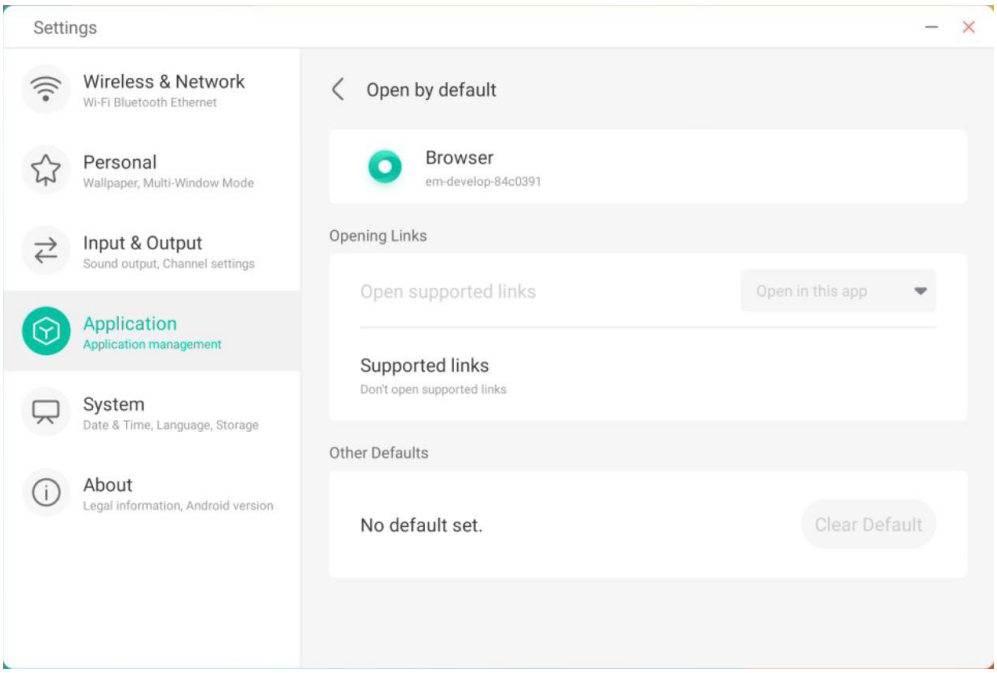
Storage

You can see how the application's storage controls are being used, including user data, caching, and application package size. You can also clear the application's user usage data and the application cache.



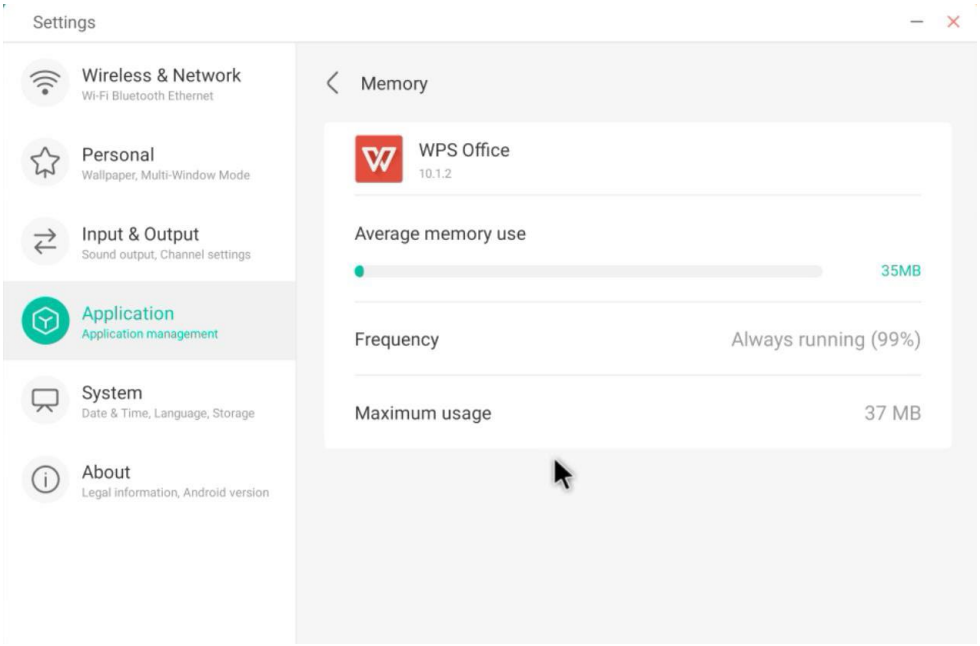
Open by default

You can set the app's open prompt or clear the app's default Settings.



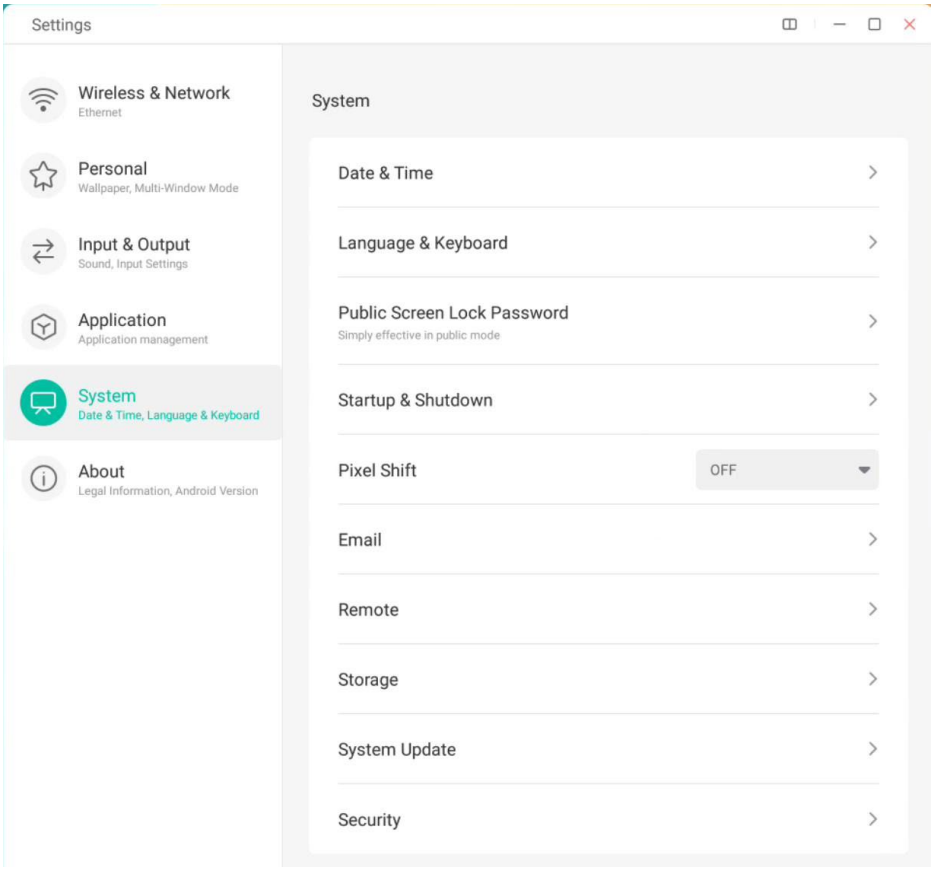
Memory

You can look at your application's memory usage, including average memory usage, frequency of usage, and maximum usage.



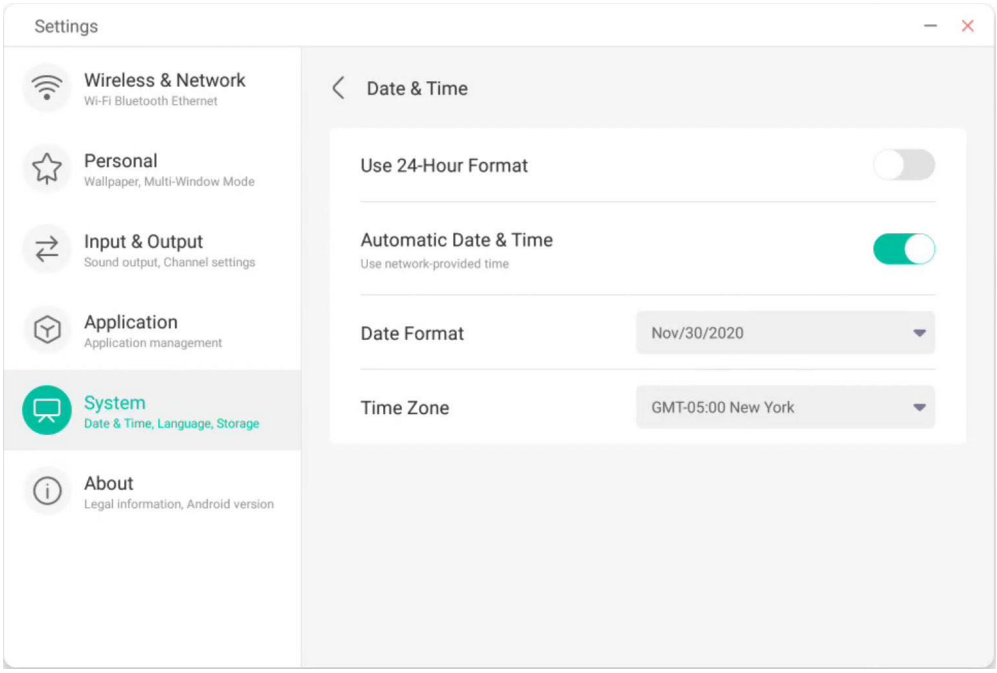
System

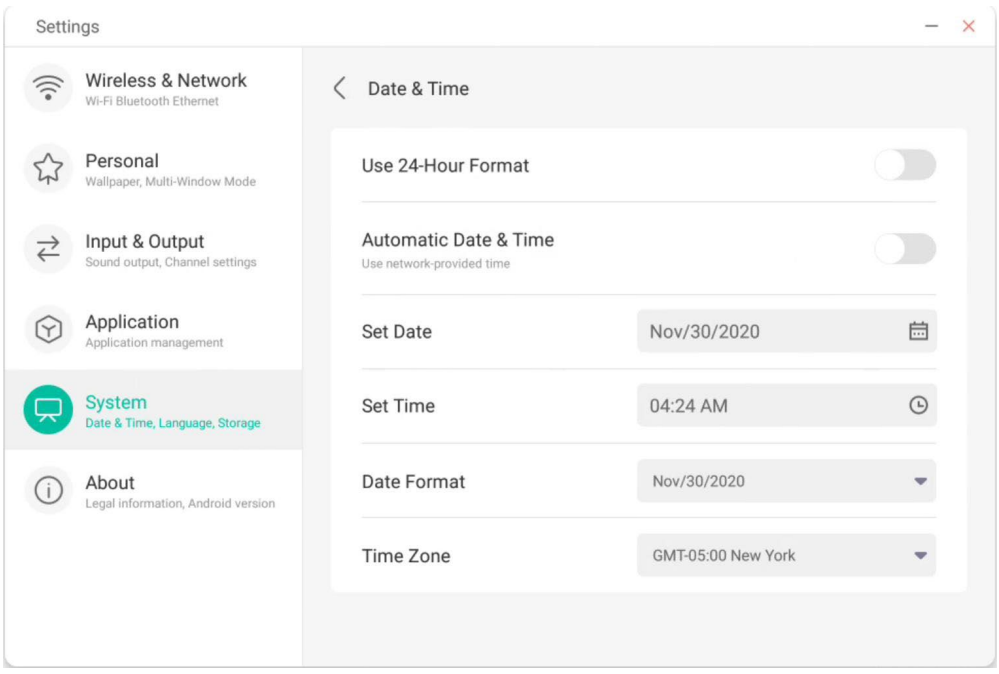
In the system module, you can set and view the system information of the whole machine, set the screen lock password, log in to the mailbox, connect to the remote and update the system.



Date & Time

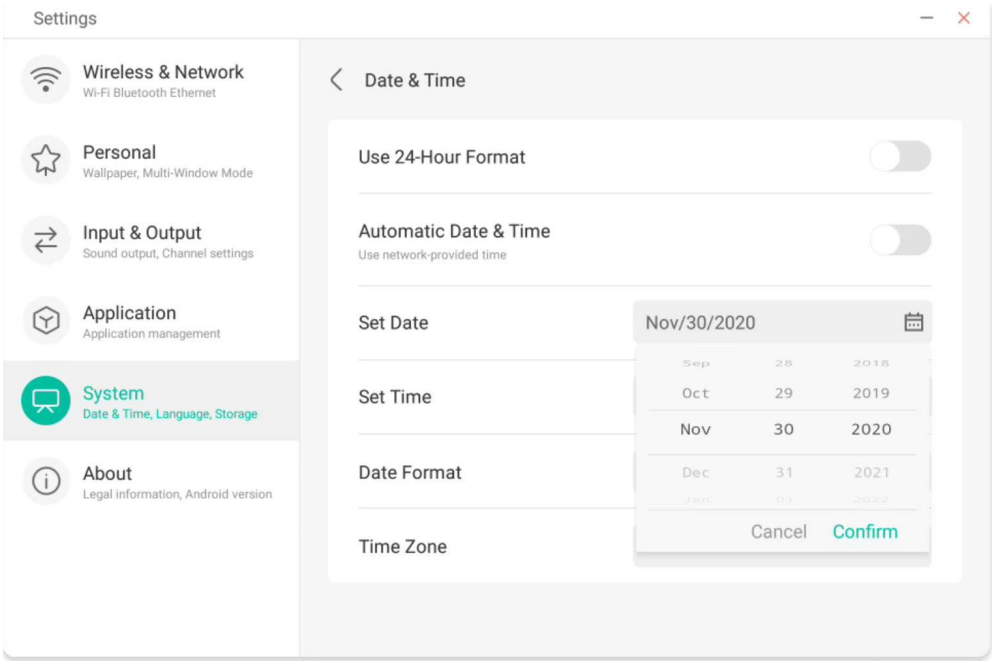
You can set whether the system uses 24-hour format and whether to automatically obtain network time. When the use of network time is turned off, the date, time, time format and time zone can be set. When the use of network time is turned on, you can only set the date and time format.



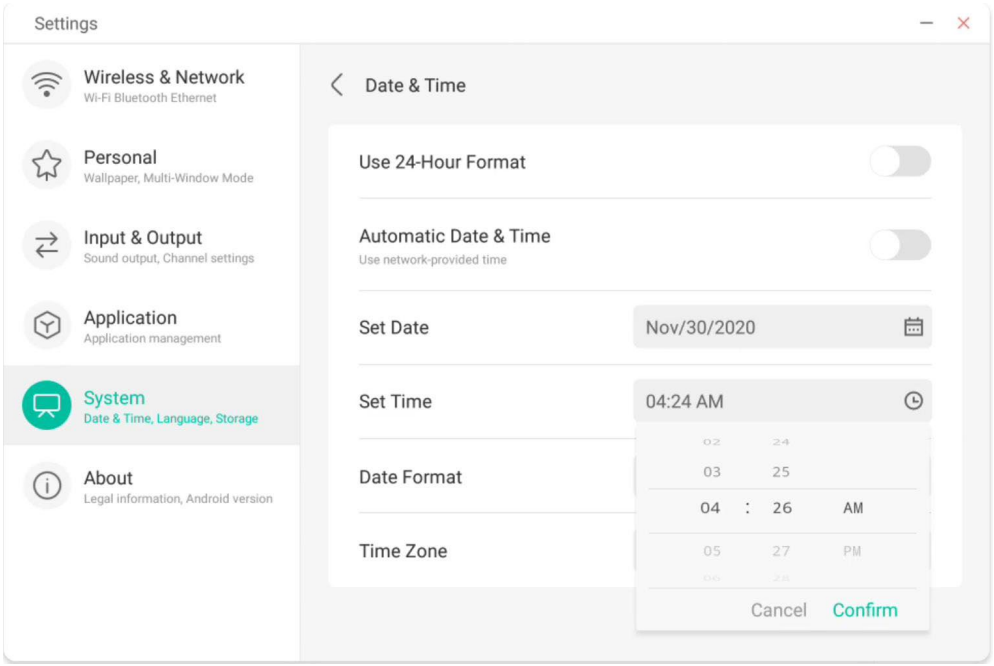


You can click on the category to be set, and a drop-down box will pop up to scroll to select the data to be set.

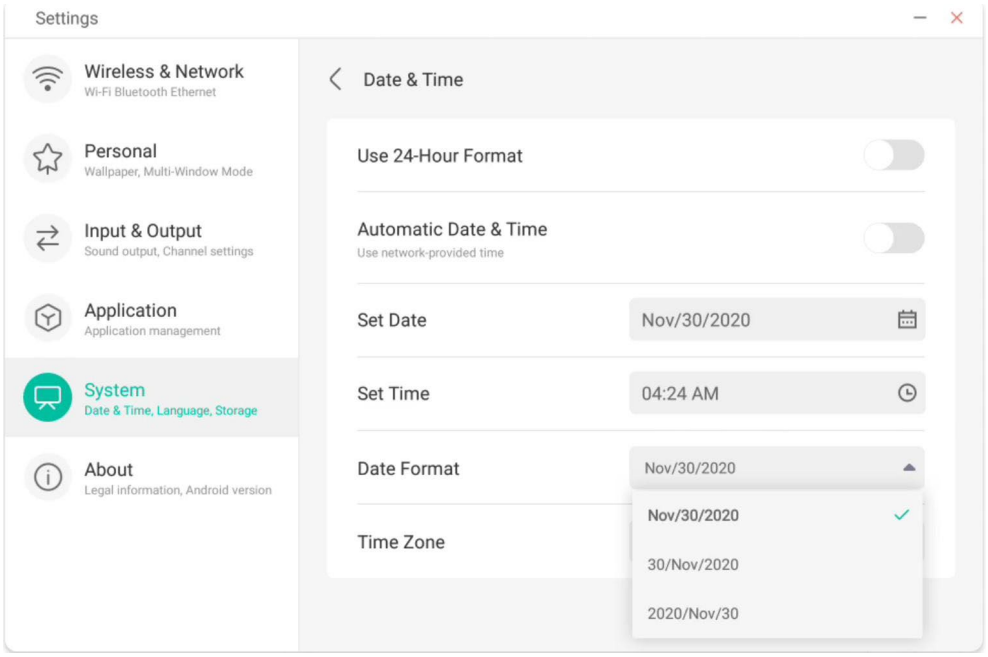
You can set the year, month, and day of the system by setting the date



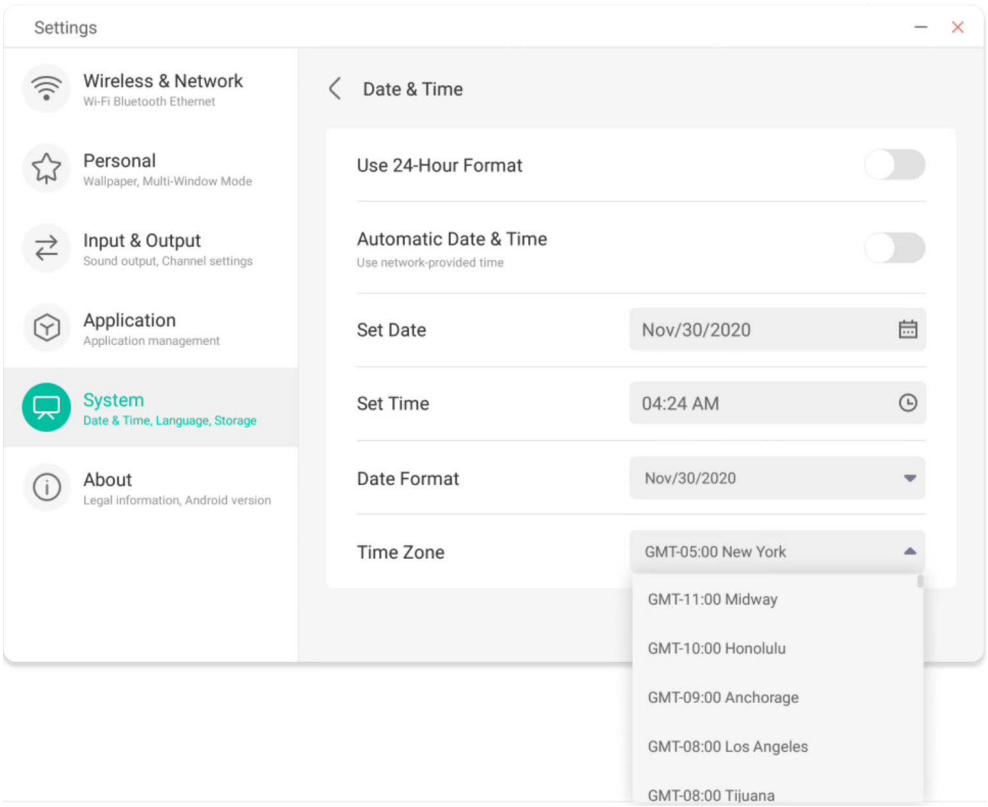
You can set the hour, minute, morning, and afternoon of the system by time



You can set three date formats, such as month/day/year, day/month/year, year/month/day

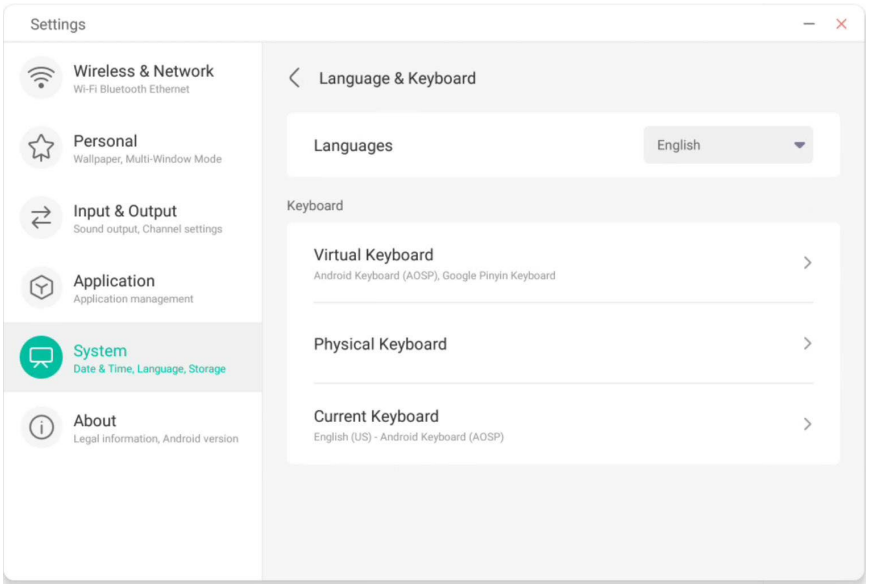


You can set the time zone, and the system has built-in time zones around the world.

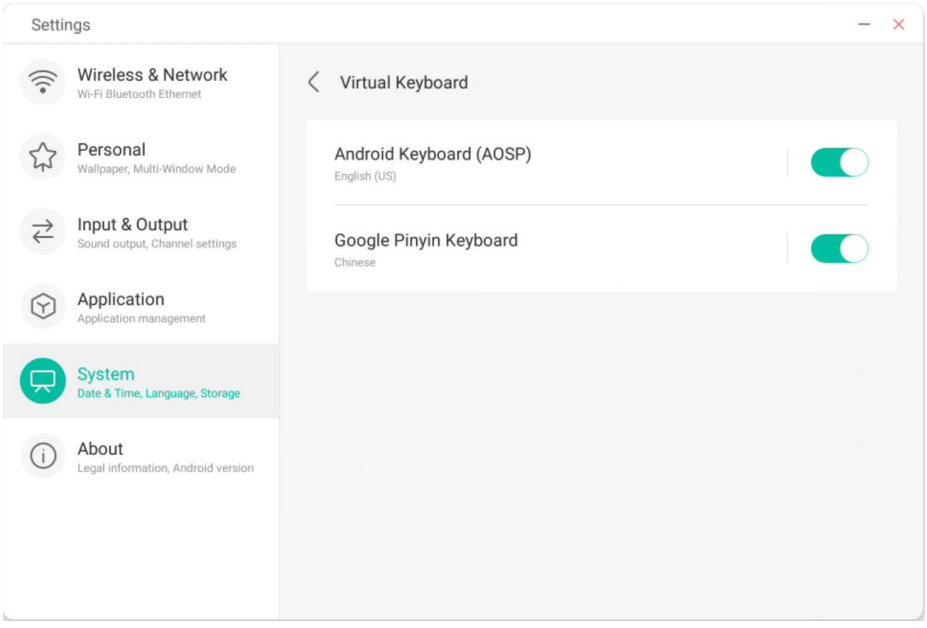


Language & Keyboard

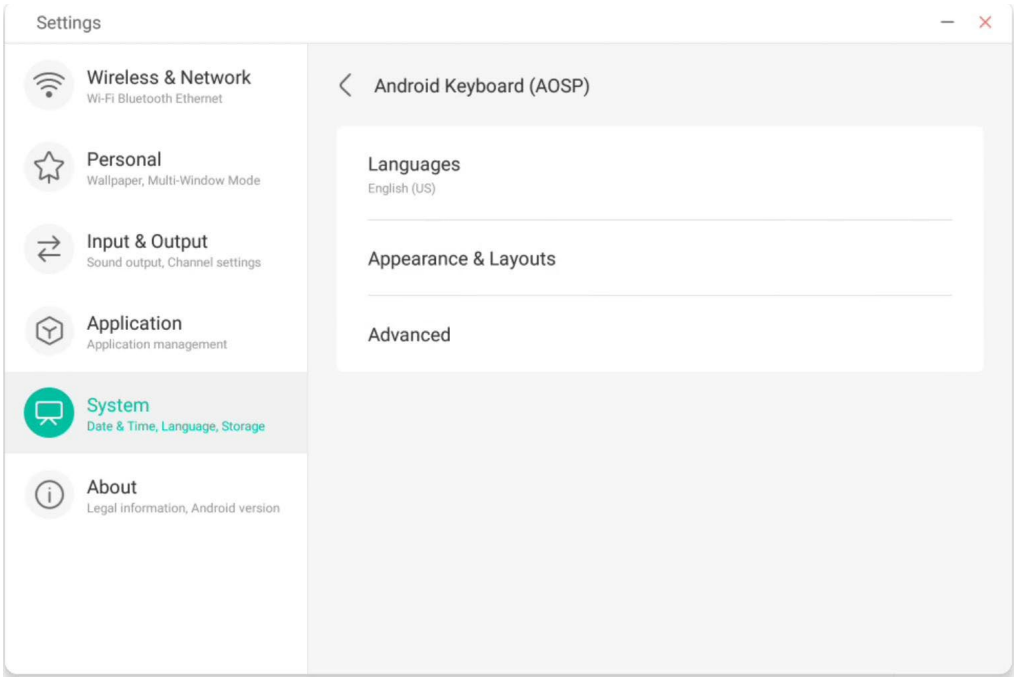
You can set the language in the language and keyboard modules. After setting the language successfully, the language of the whole system will be changed because it needs to be adapted to the RTL language, setting the RTL language may result in changing the layout of some applications.



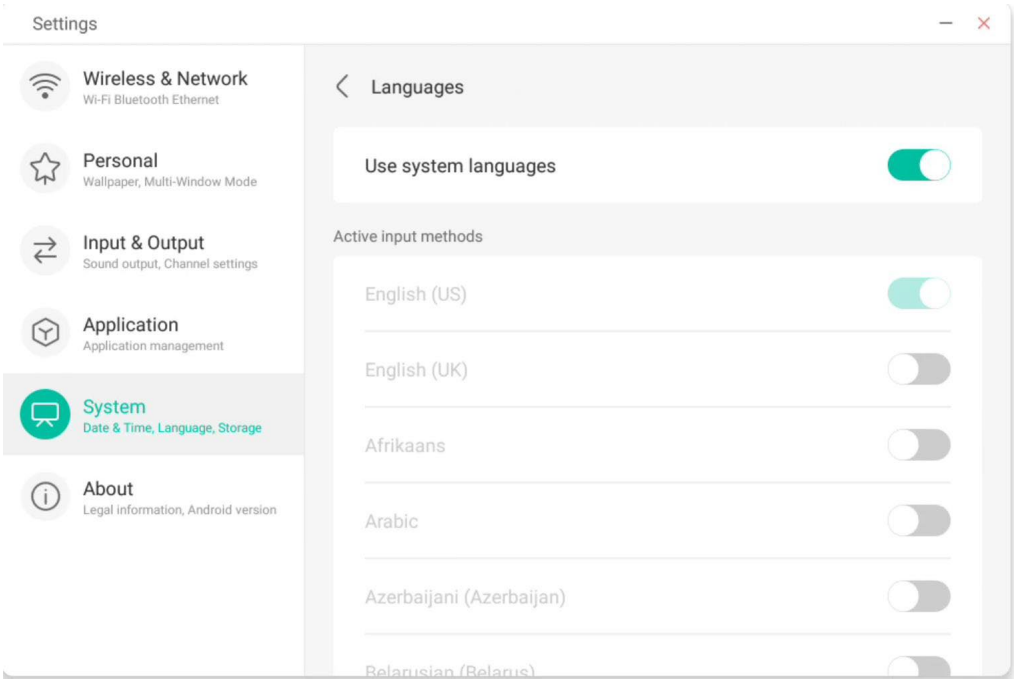
In the virtual keyboard, you can view the input methods currently supported by the whole machine. Support Android native input method and Google Pinyin input method. The switch button on the right can be used to control the closing and opening of the input method.



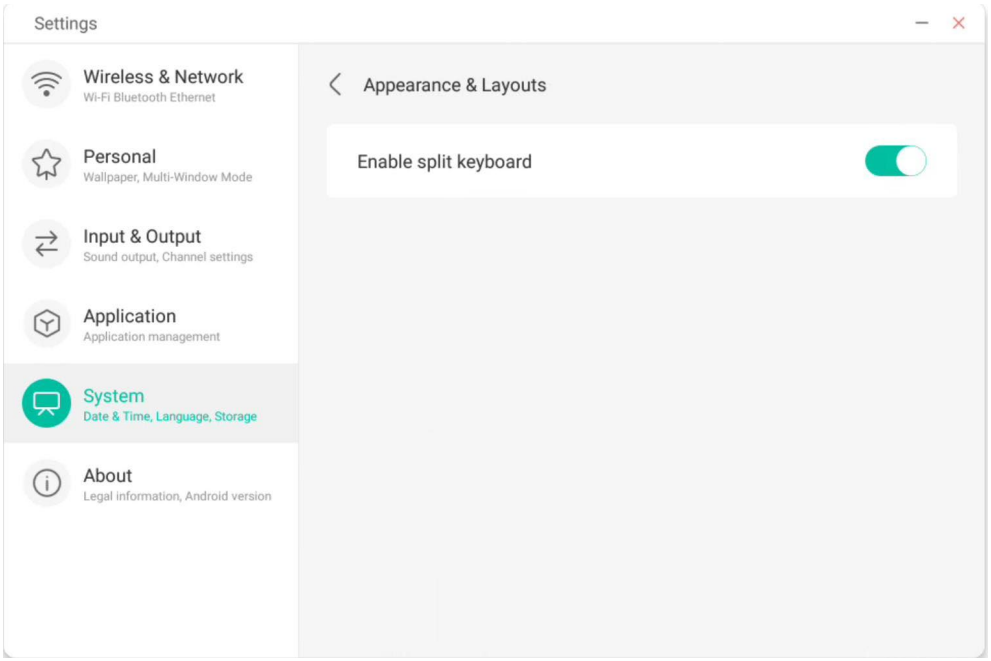
Android native input method can configure the language of the input method, appearance, layout and some advanced settings.



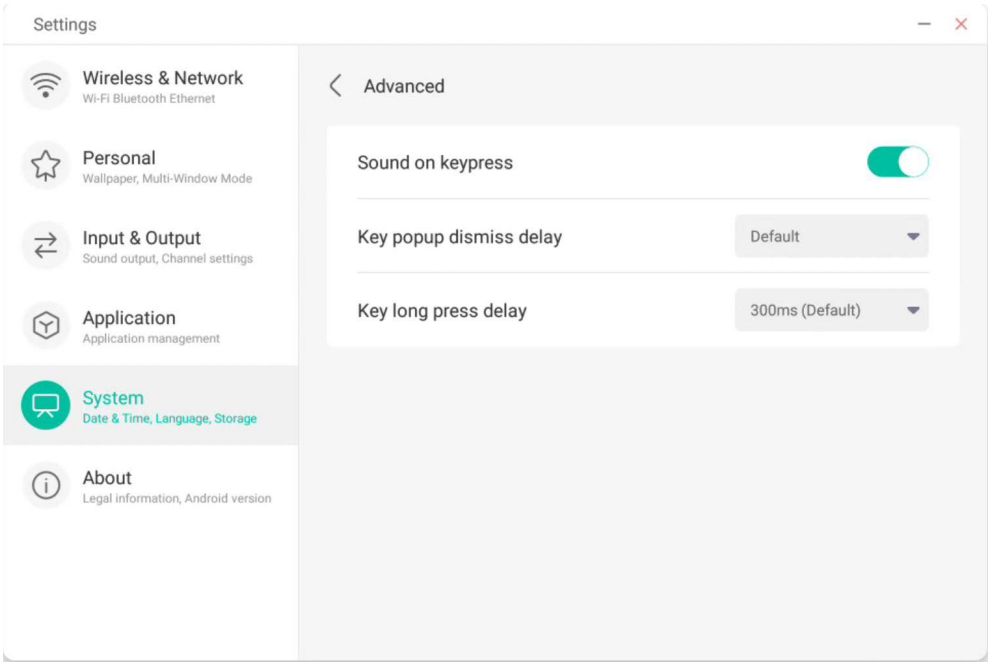
Android native input method uses the switch on the right to select the system language and deselect the system language. After deselecting the system language, you can configure the input method language through the input method language list below.



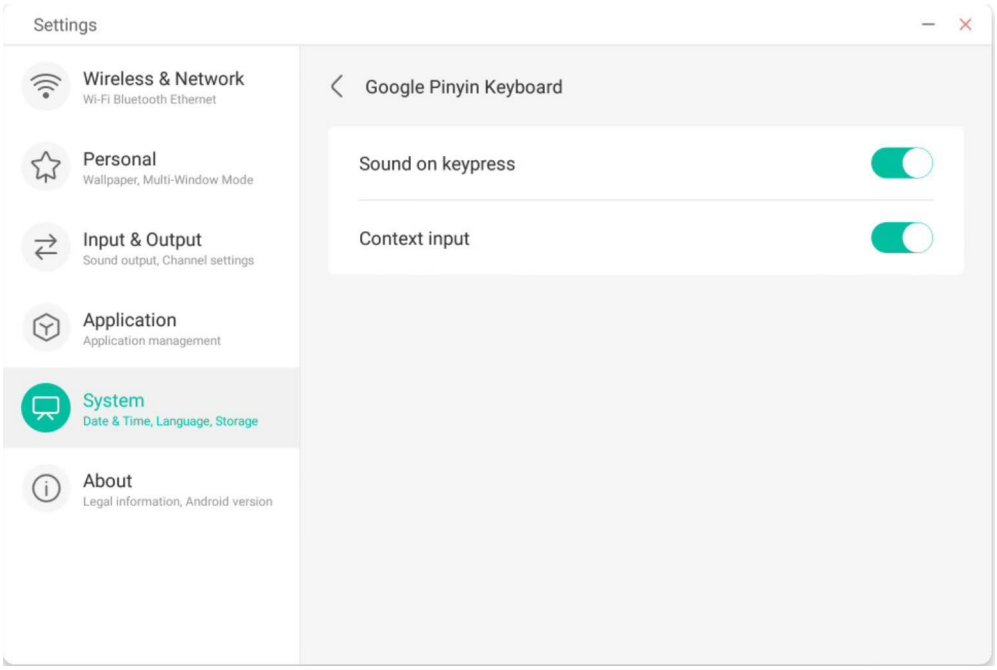
In the appearance and layout, you can configure whether to use a separate keyboard



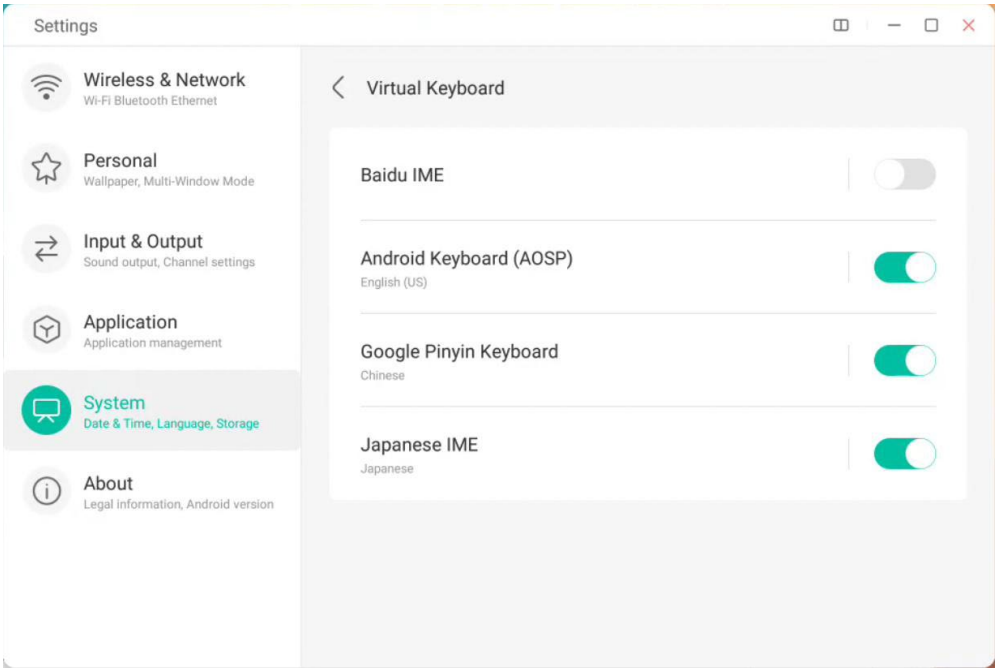
In the advanced settings of the Android native keyboard, you can configure the key sound, keyboard pop-up delay and keyboard long-press delay



Google Pinyin keyboard has very few configurable things. Google Pinyin keyboard can be configured with key sound and association input

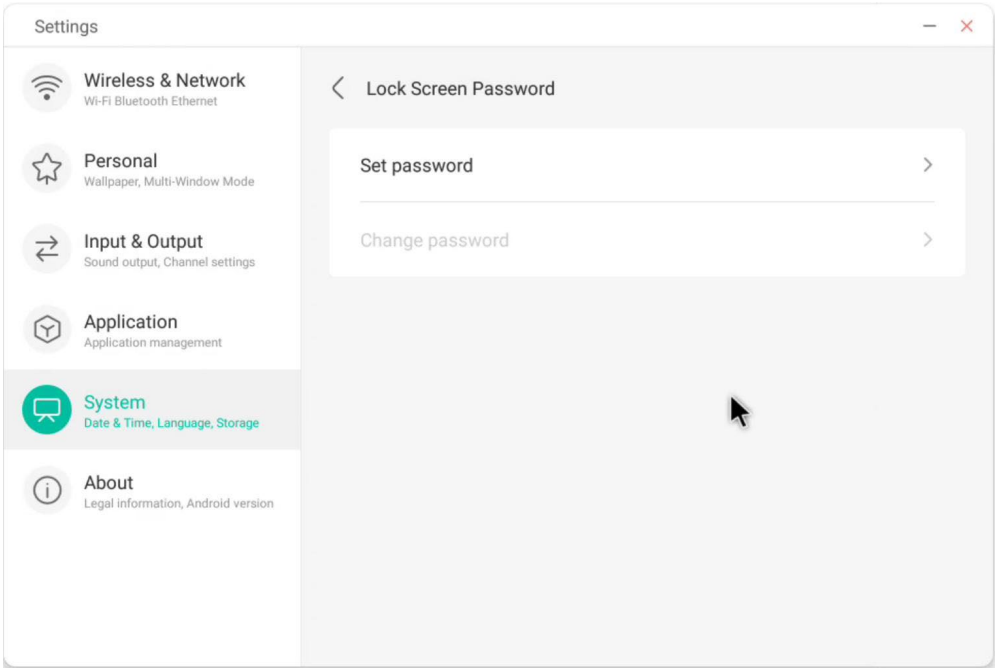


For third-party input methods, if you install it, you can also enable it in the "virtual keyboard" menu.

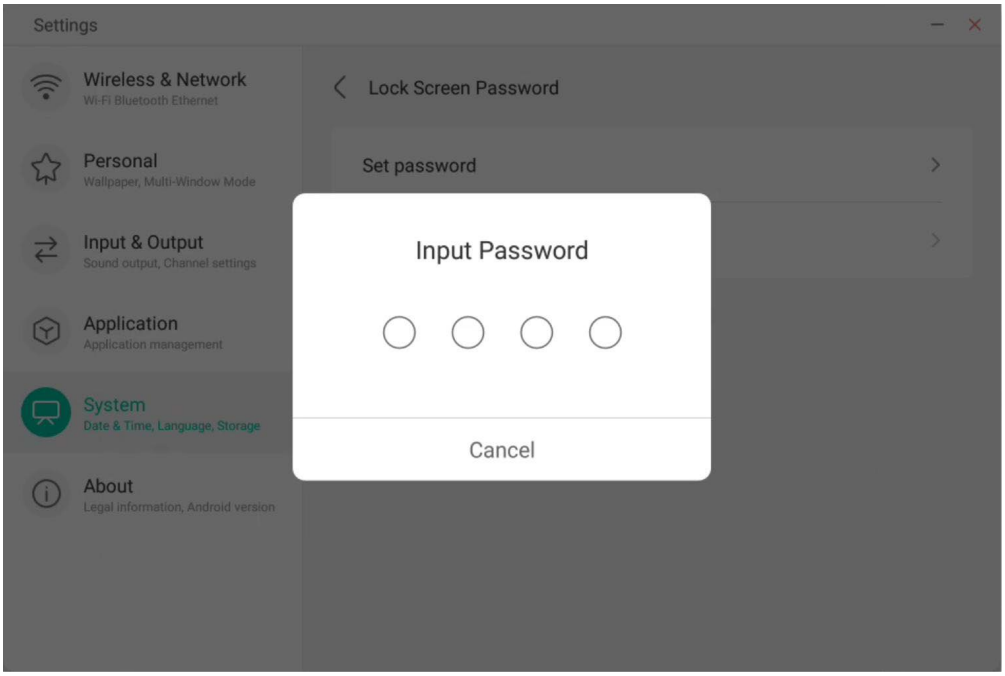


Lock Screen Password

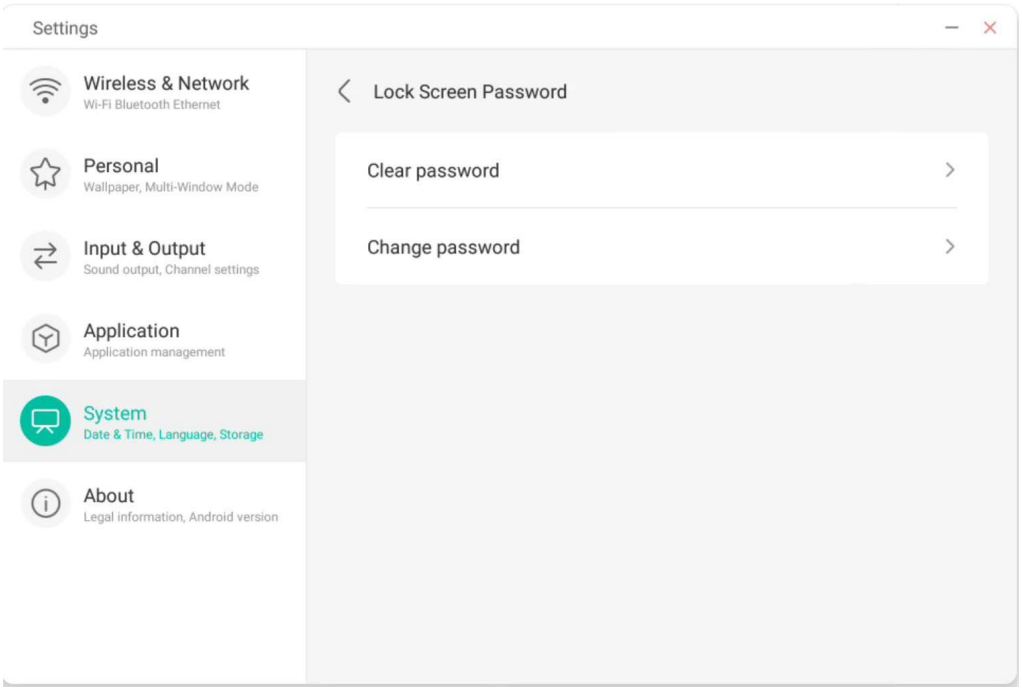
In the screen lock module, you can set the screen lock password, modify the screen lock password and clear the screen lock password.
When the screen lock password is not set, only the operation of setting the screen lock password can be performed.

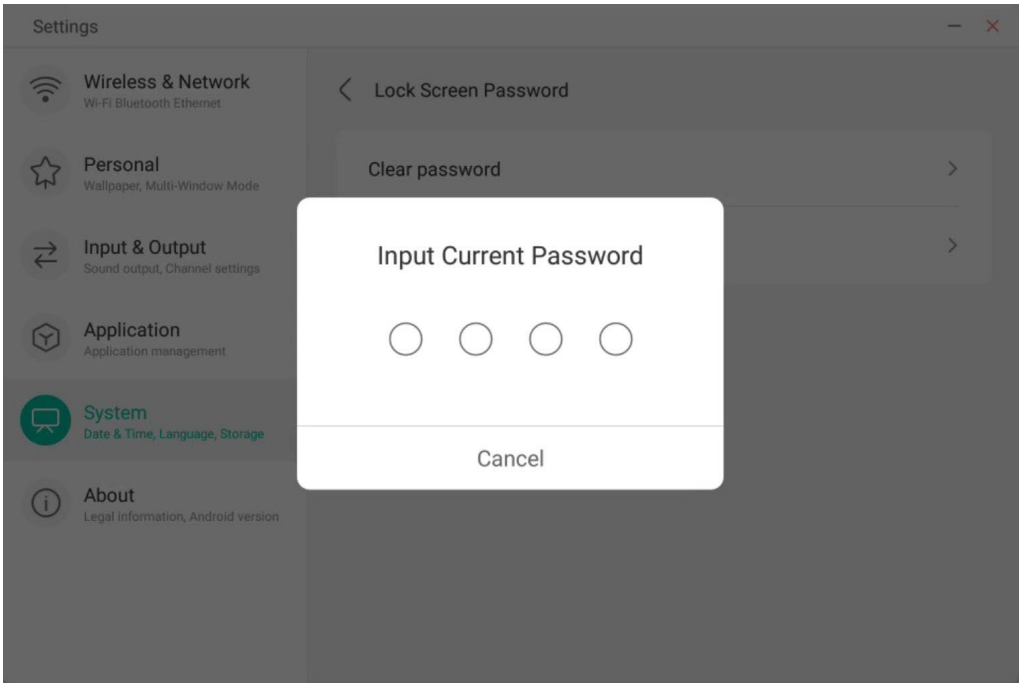


The screen lock password is 4 digits, you need to enter the password and confirm the password to set the screen lock password.


Settings
Wireless & Network
Wi-Fi Bluetooth Ethernet
Personal
Wallpaper, Multi-Window Mode
Input & Output
Sound output, Channel settings
Application
Application management
System
Date & Time, Language, Storage
About
Legal information, Android version
Lock Screen Password
Set password
Input Password
Cancel

When the screen lock password is set, you can clear the screen lock password and change the screen lock password. To change the screen lock password, you need to enter the original screen lock password first, and you can reset the screen lock password after verification. To clear the screen lock password, you only need to enter the original screen lock password to clear it.

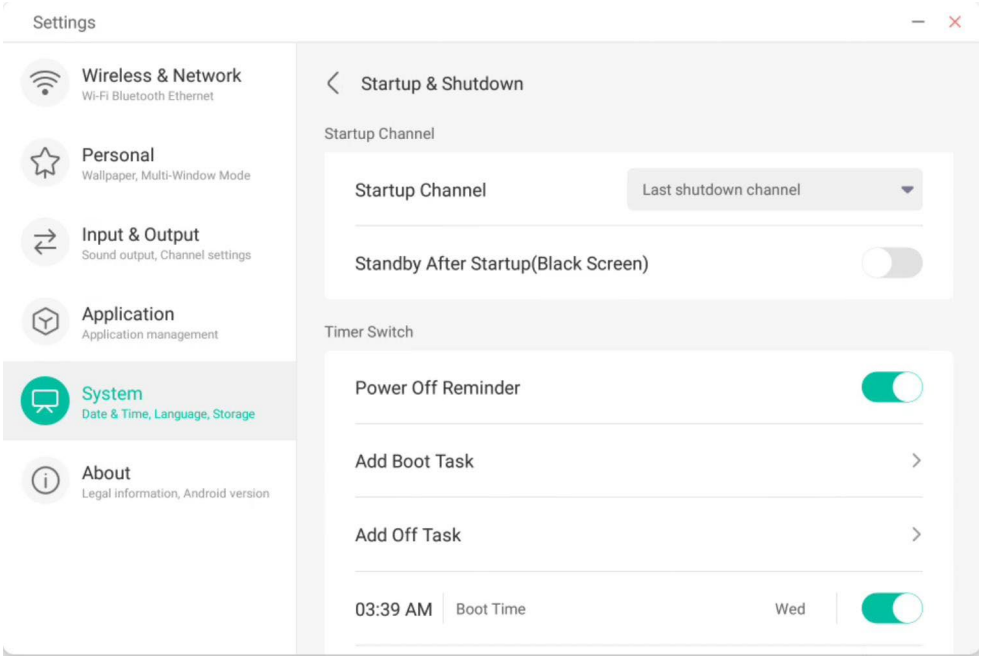




Startup & Shutdown

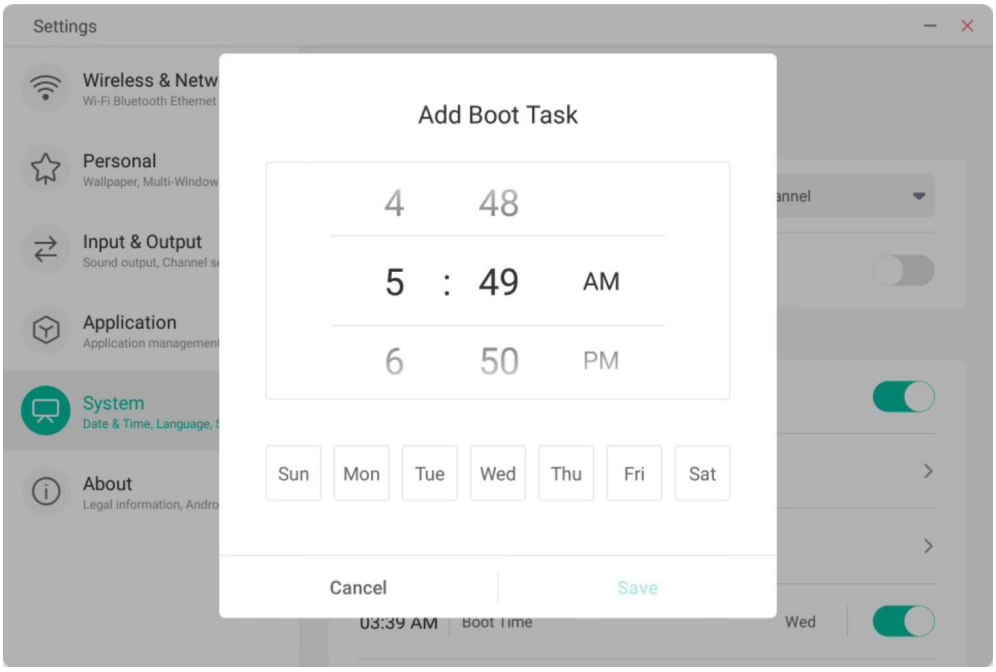
In the startup and shutdown module, there are the settings of the startup channel and the startup plan.

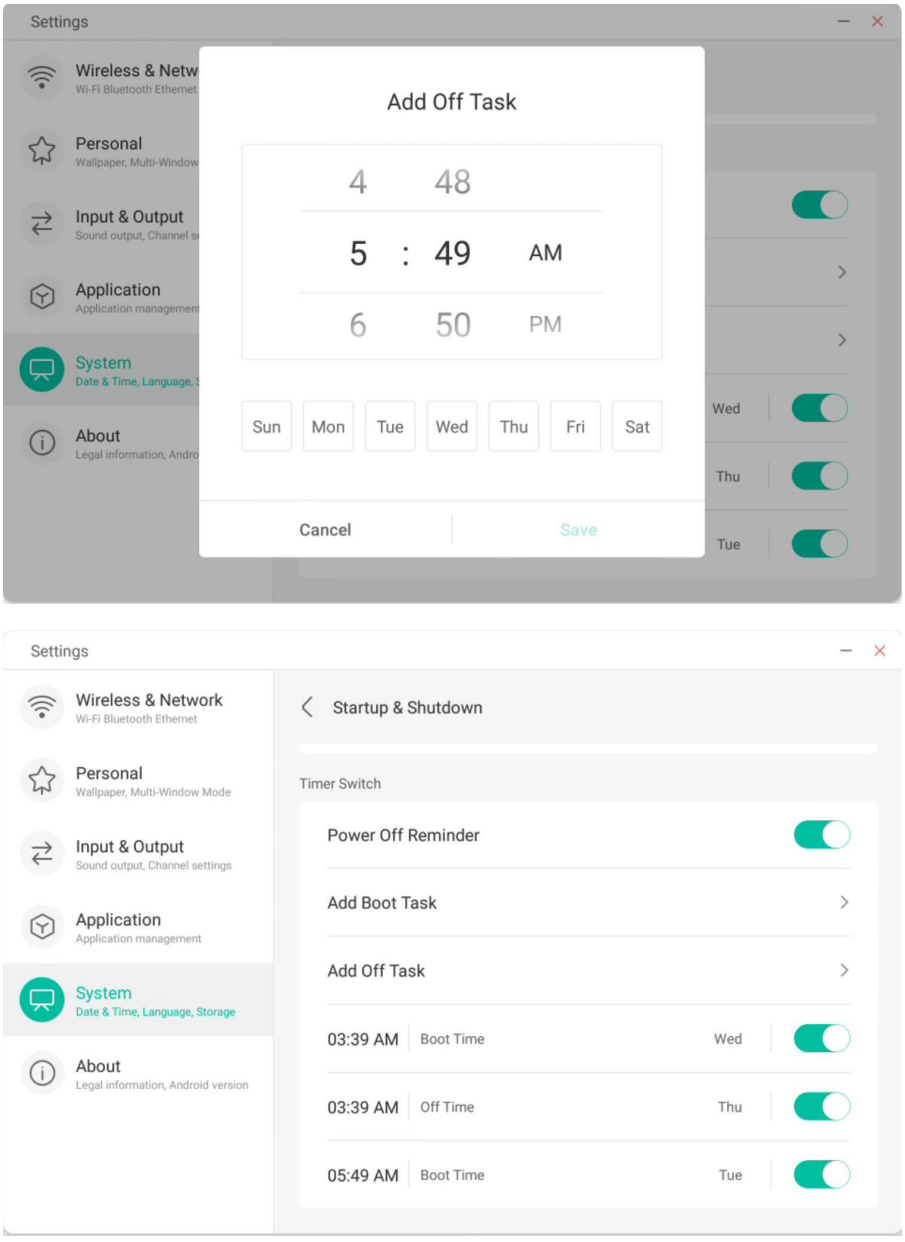
You can set the channel that you enter when you turn on the computer, such as the channel that was turned off last time, the Android channel, HDMI1, HDMI2, HDMI3, and VGA channels supported by the whole machine. You can also set whether to enter standby (turn off the backlight) after booting.



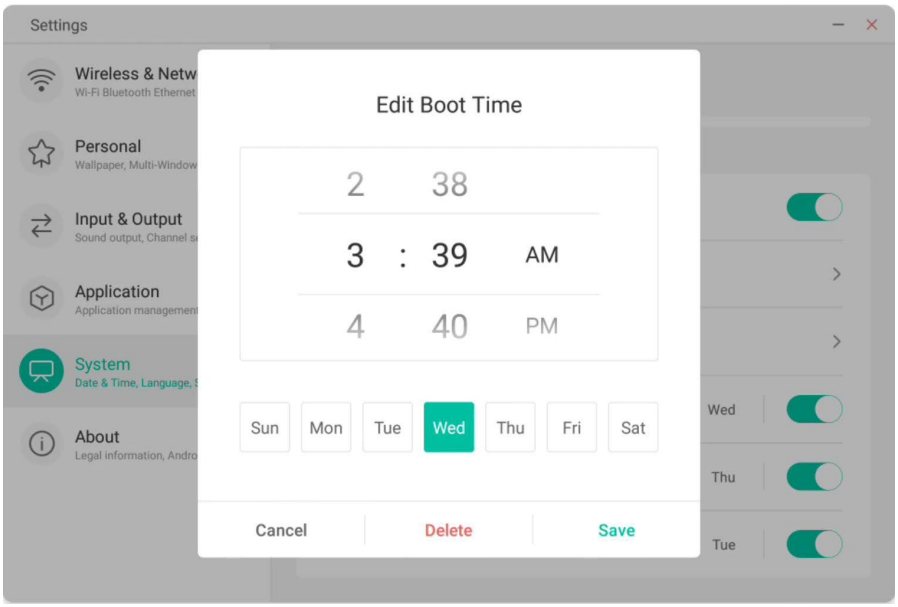
In the startup plan, you can configure whether to pop up a shutdown reminder for shutdown, which is used to pop up a reminder after the scheduled shutdown reaches the time and perform a countdown.

Users can add scheduled startup tasks and scheduled shutdown tasks for the whole machine. For the startup task and shutdown task, the user can also configure whether this task takes effect.


Settings
Wireless & Netw
Wi-Fi Bluetooth Ethernet
Personal
Wallpaper, Multi-Window
Input & Output
Sound output, Channel s
Application
Application management
System
Date & Time, Language,
About
Legal information, Andro
Add Boot Task
4 48
5 : 49 AM
6 50 PM
Sun Mon Tue Wed Thu Fri Sat
Cancel
Save
03:39 AM Boot Time
Wed

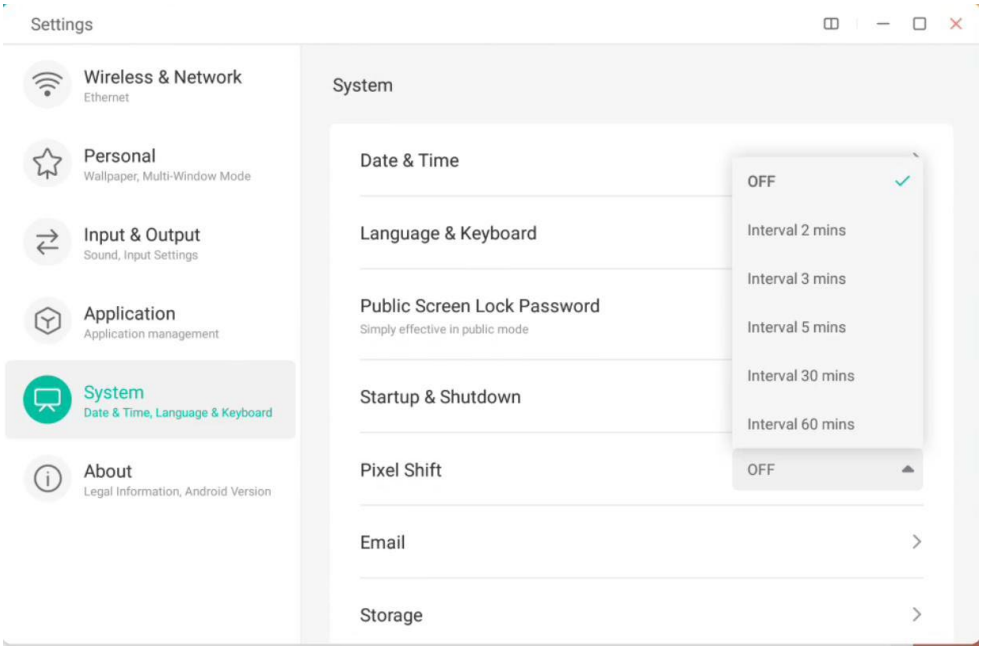


For the added startup tasks and shutdown tasks, the user can also modify these tasks or delete tasks.



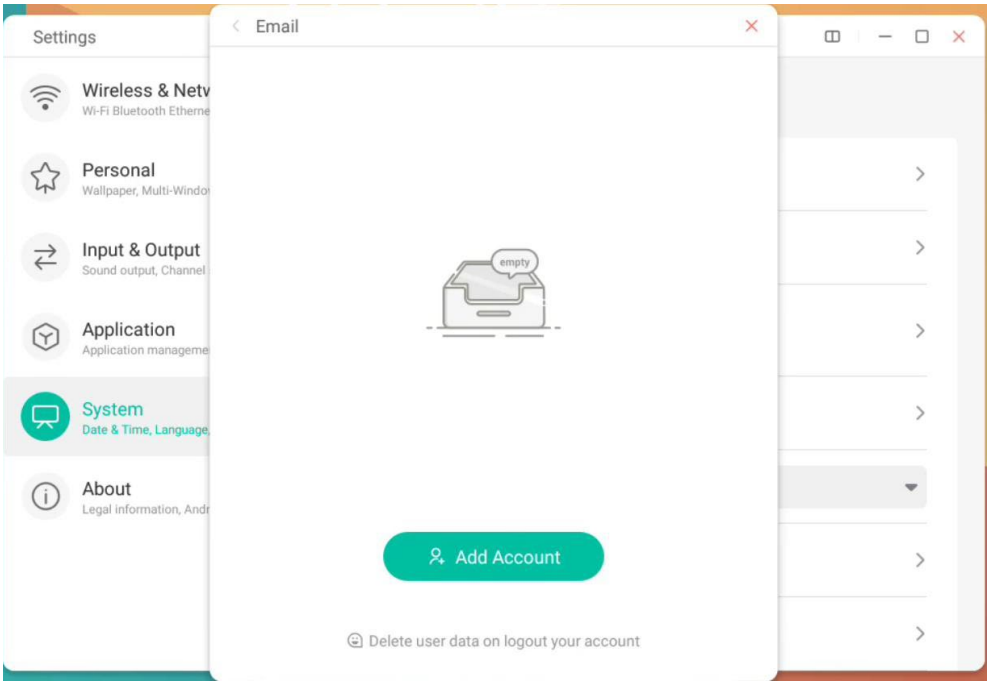
Pixel Shift

Users can set "Pixel Shift" to protect your device screen.

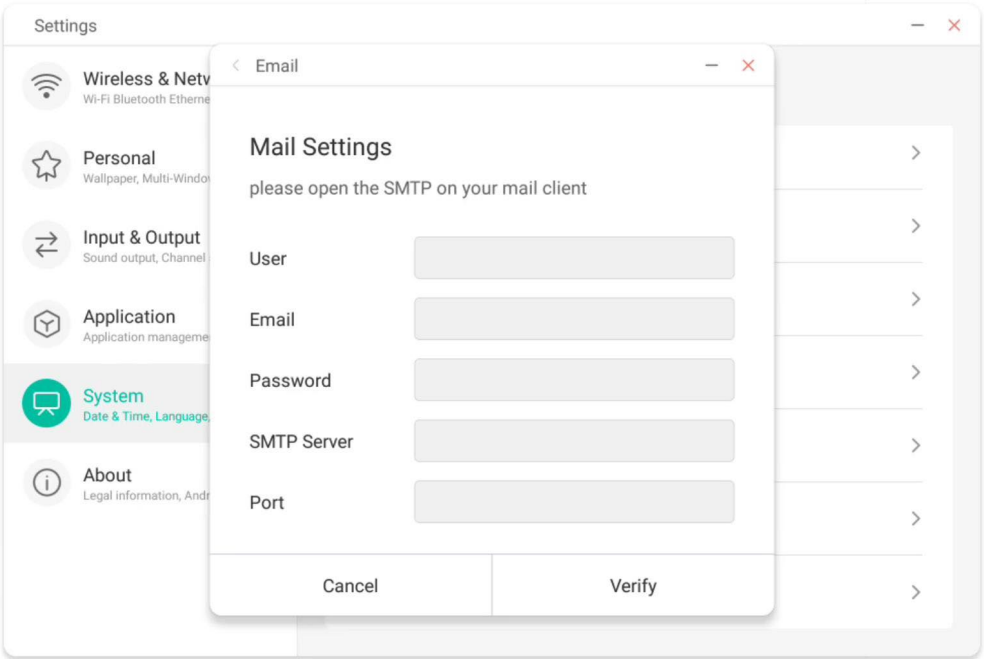


Email

In the mailbox module, users can add their own mailbox accounts, and automatically delete the user's information when logging out of the account.

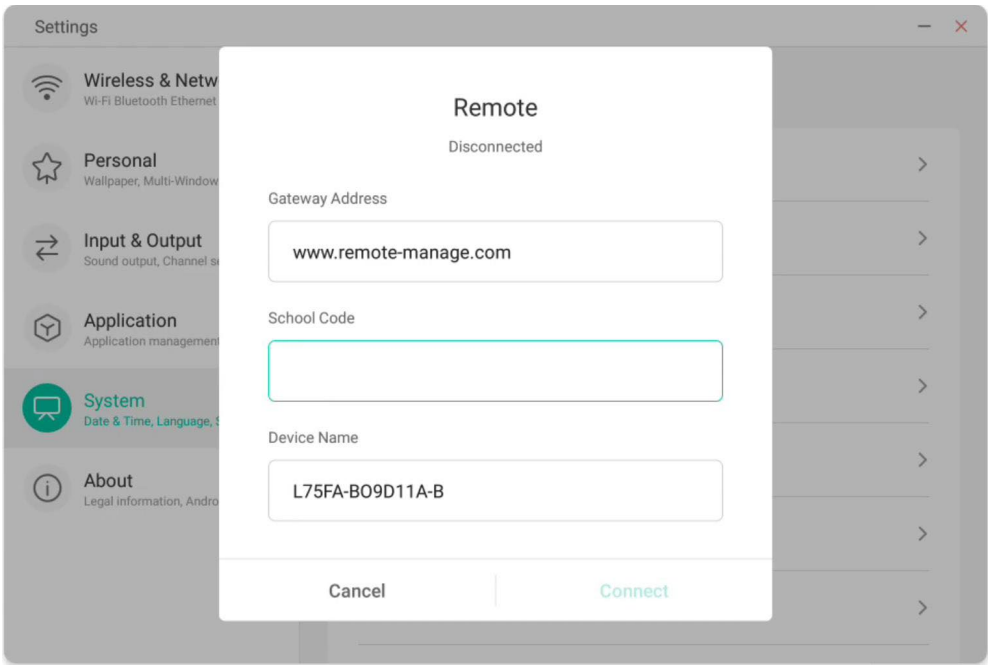


You can log in to the STMP protocol email account



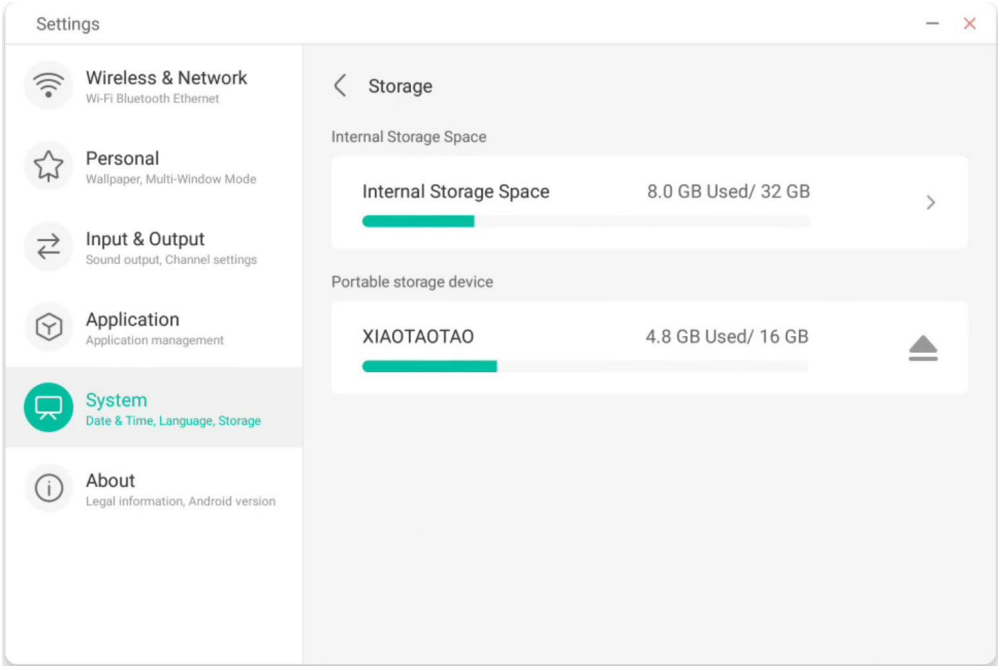
Remote

In the Remote module, users can connect to the Remote Web system. The whole device can be operated in batches through the Remote Web system.

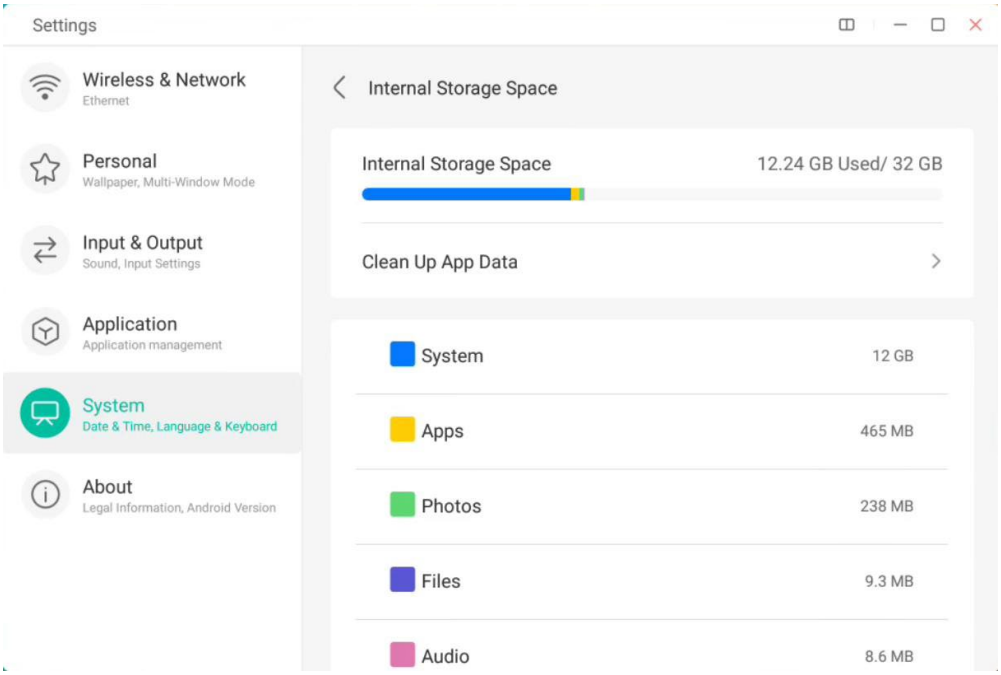


Storage

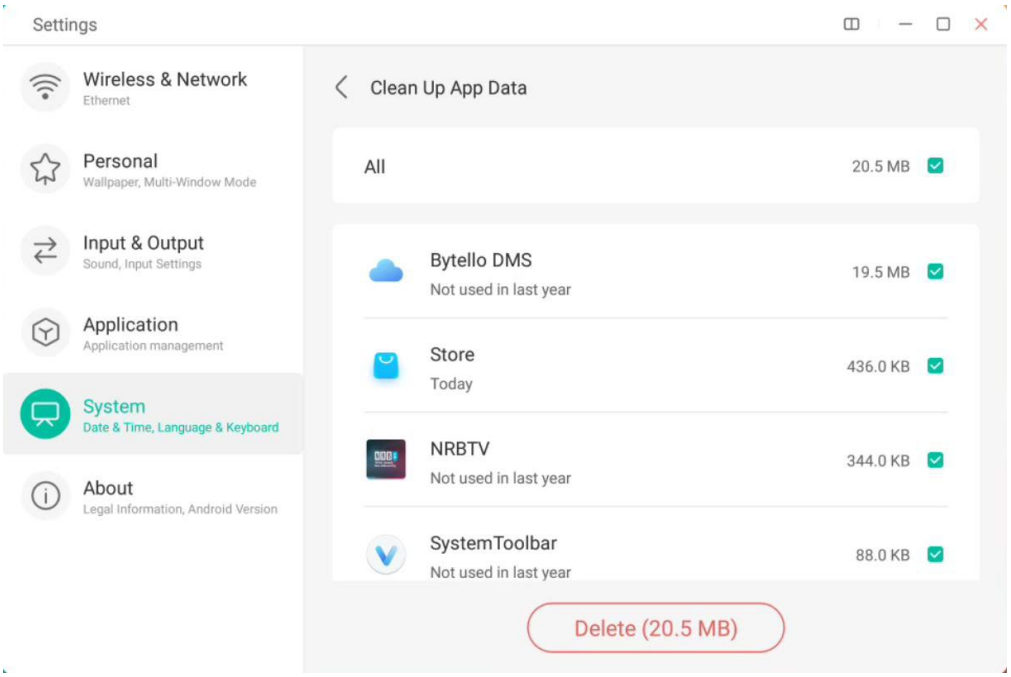
The memory module lists the memory areas that exist on the whole machine, including internal storage space and portable storage devices. Of course, the prerequisite for the display of a portable storage device is that the device must be inserted (such as a U disk). The user can eject the portable storage device through the icon .



The internal storage space lists the memory usage of the whole machine, including the memory usage of System, Apps, Photo, Files, Videos, Audio and Others.

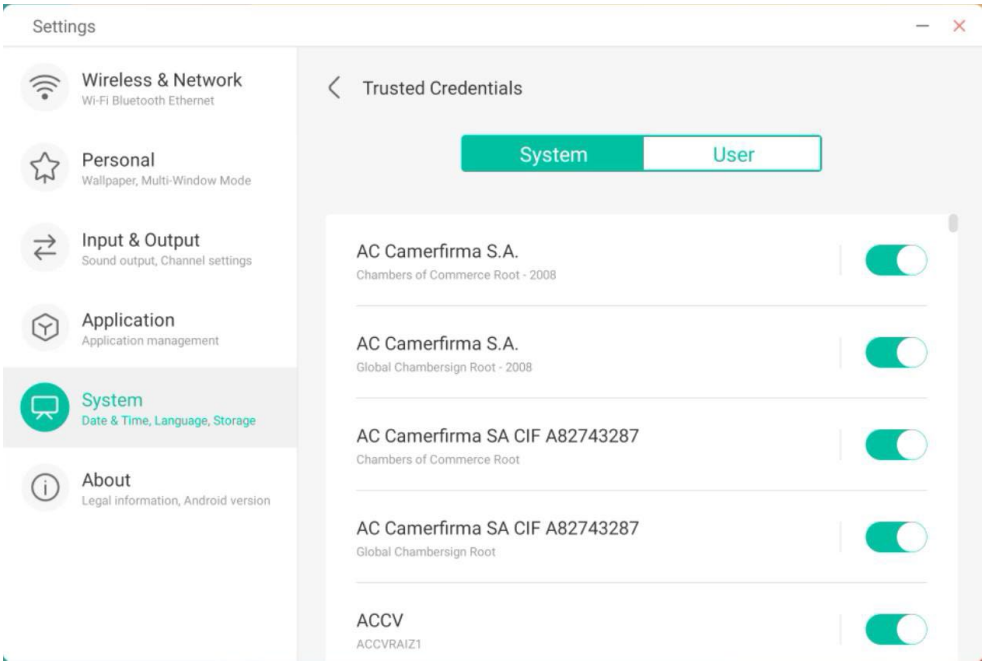


Clean up app data

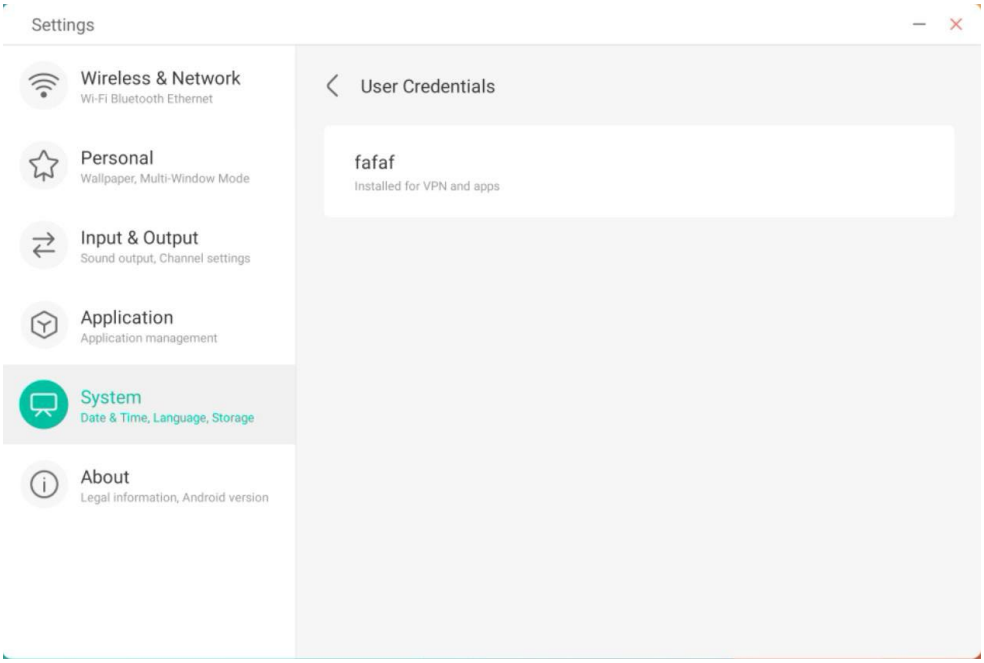


Security

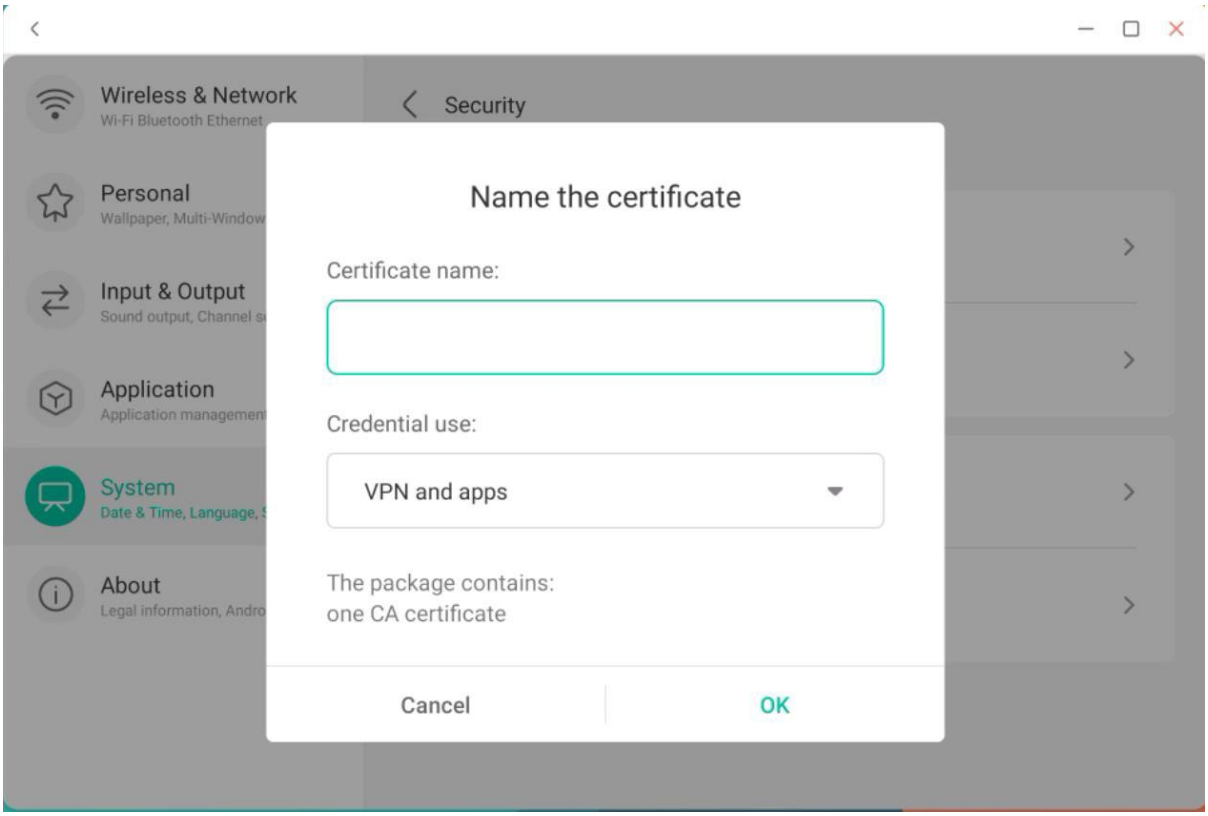
You can view all trusted system and user certificates, and you can control the enabling status of these certificates and see the details of each certificate.

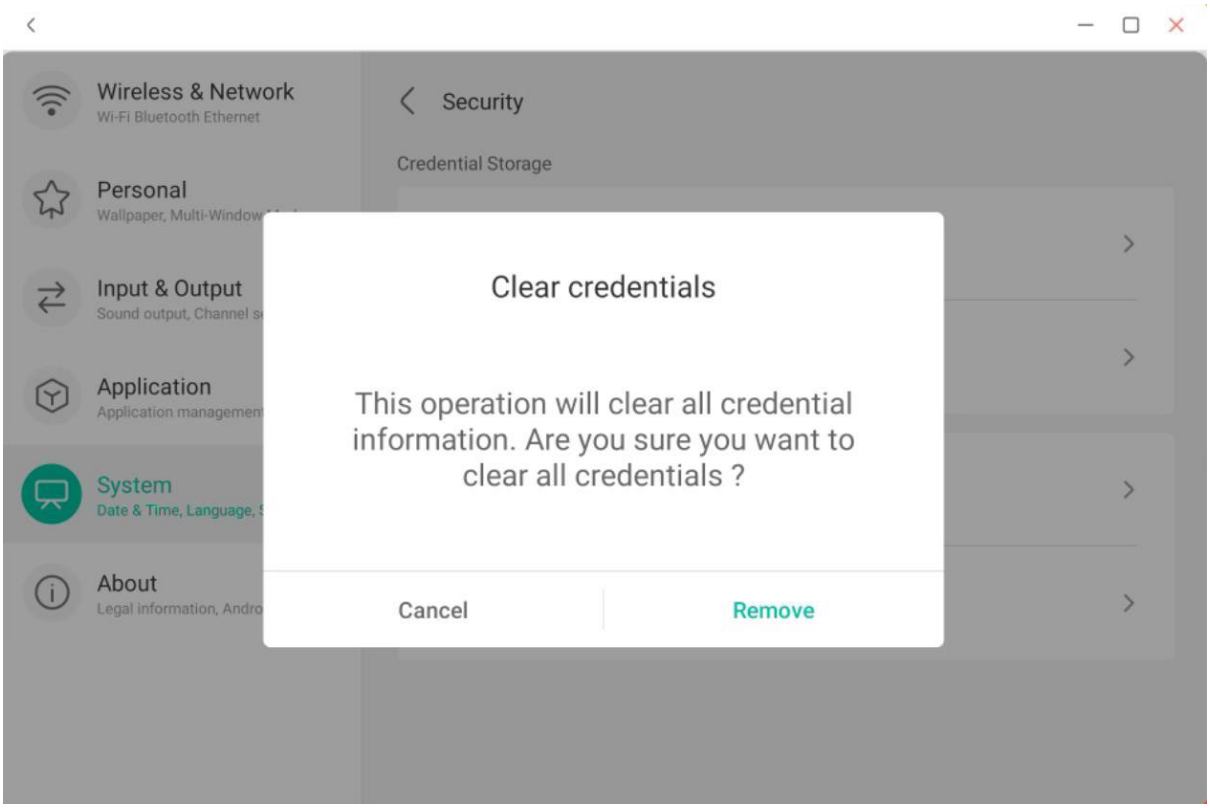


Here are the certificates installed by the users themselves. You can also manage to remove these certificates.



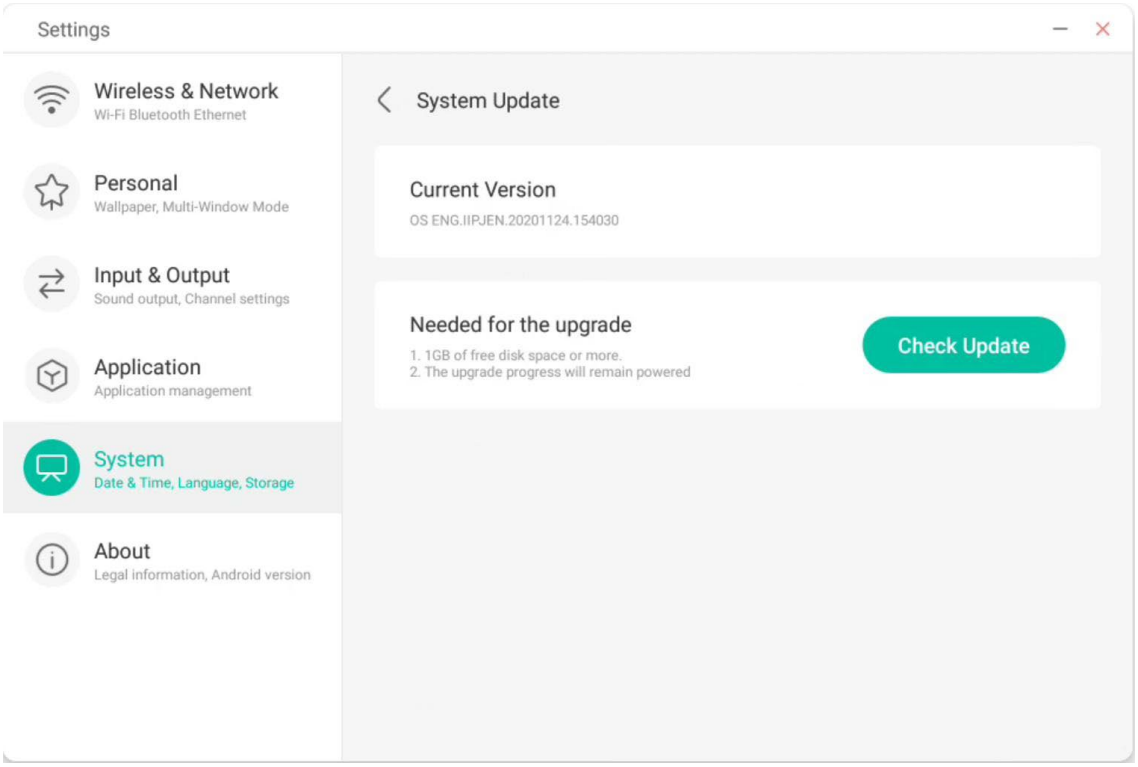
The following operation path is to install the certificate and clear all certificates of the device. You can add or remove the certificate at these entrances as needed.

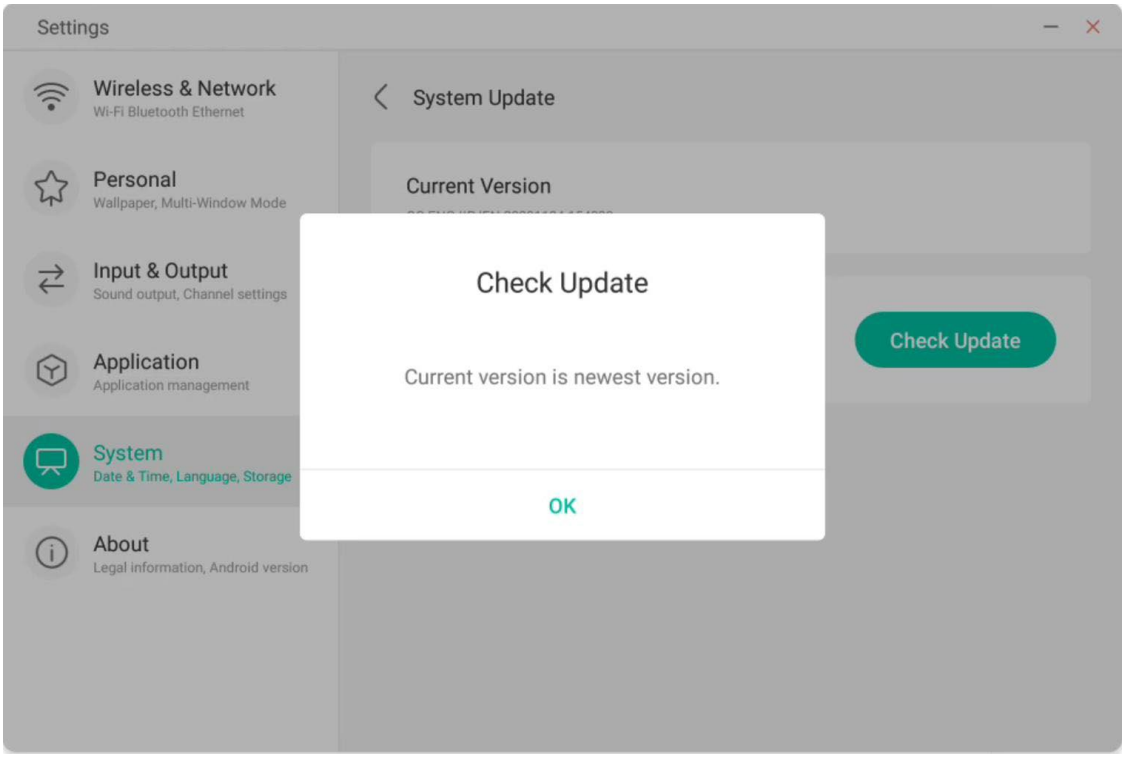




System Update

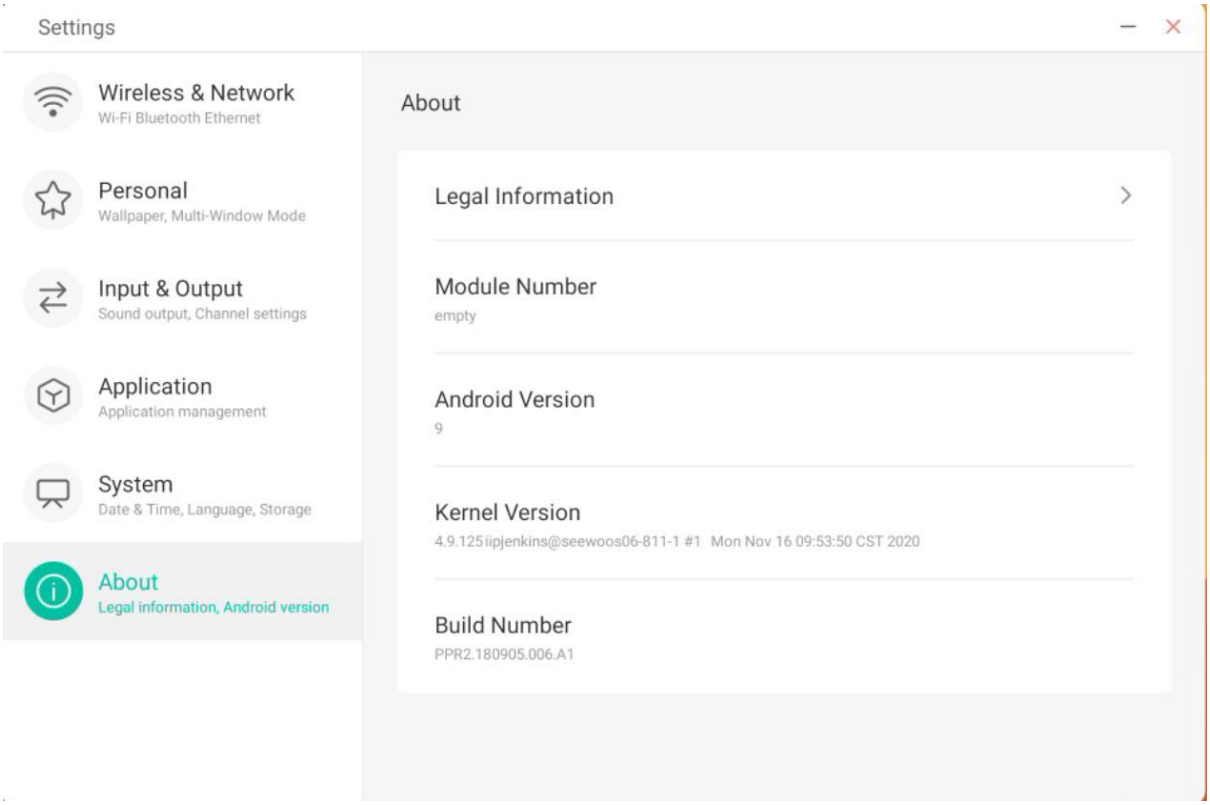
In the system update module, users can view the current system version information and system update status. If a new system is released, the Check Update button can be used to detect the update and download the new system for update operation.





About

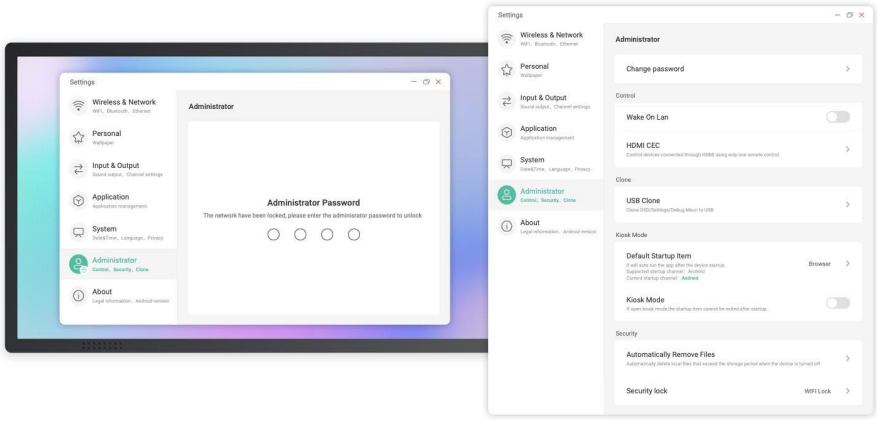
You can view the version information of the device.



Administrator

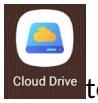
Administrator

A device manager，keep the device flexible, safe and tidy

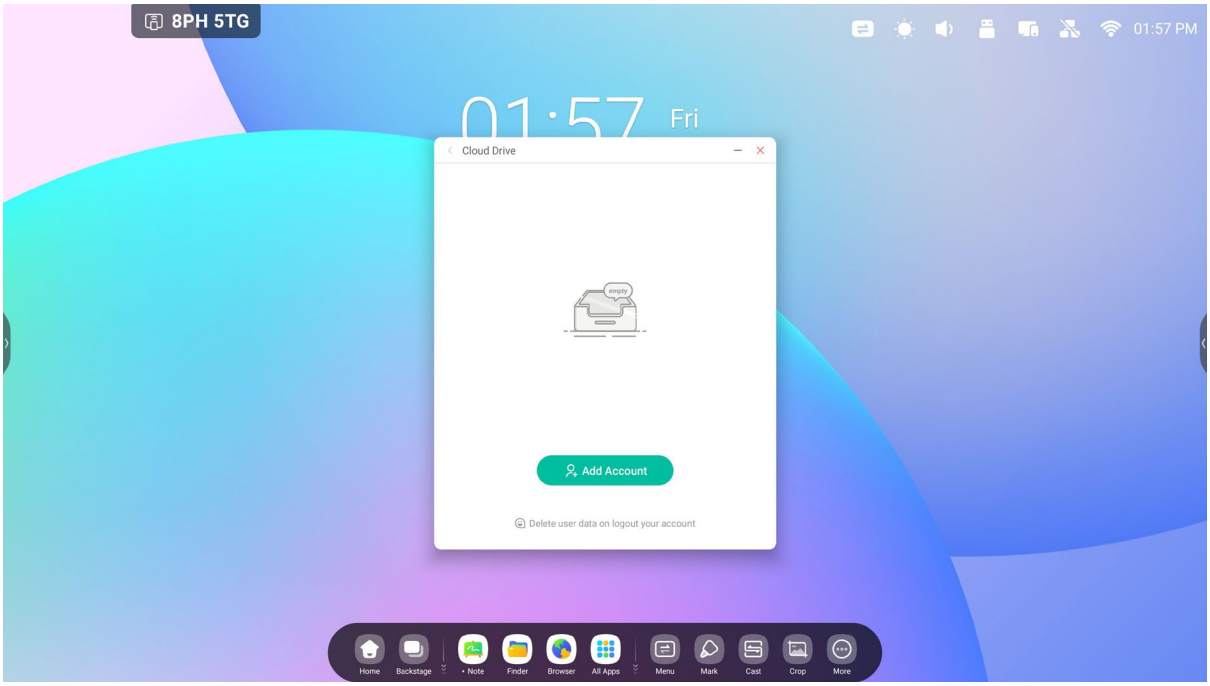


Admin Settings include Remote control、Settings clone、Kiosk Mode(Keep it in a single app)、Auto Remove Files；Security lock

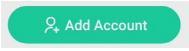
Cloud Drive

Click 

to open the Cloud Drive.



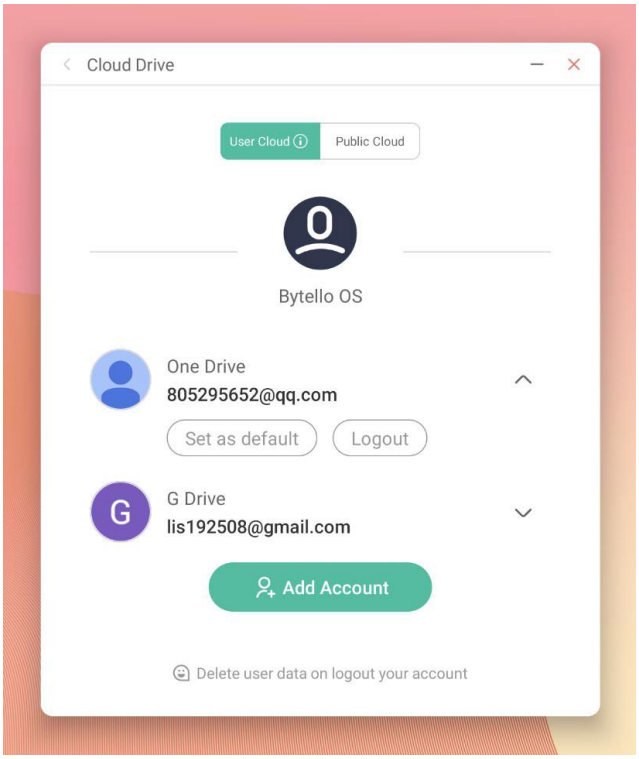
Add Account

Click 

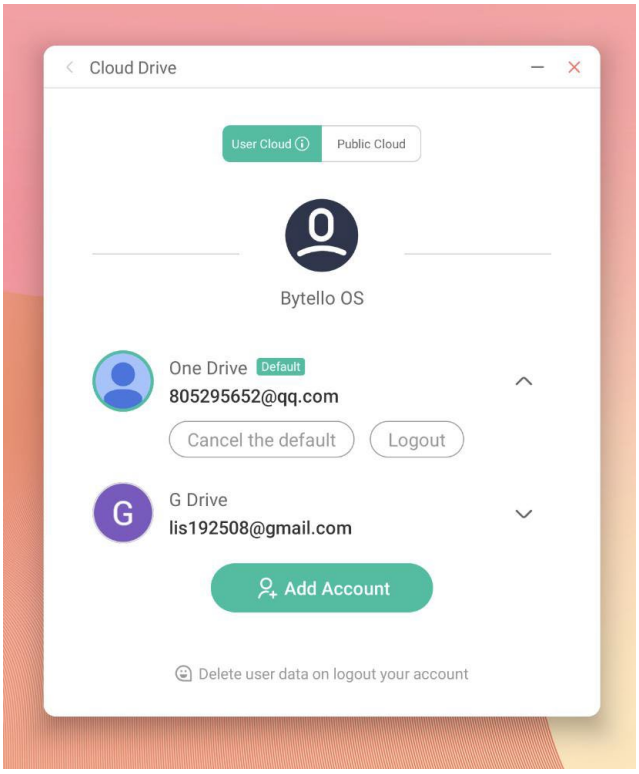
to add account, then you can choose the Drive Type.

Use the Default Account

Click the "Set as default" button to set the default account.



Click the "Cancel the default" button to cancel the default account.



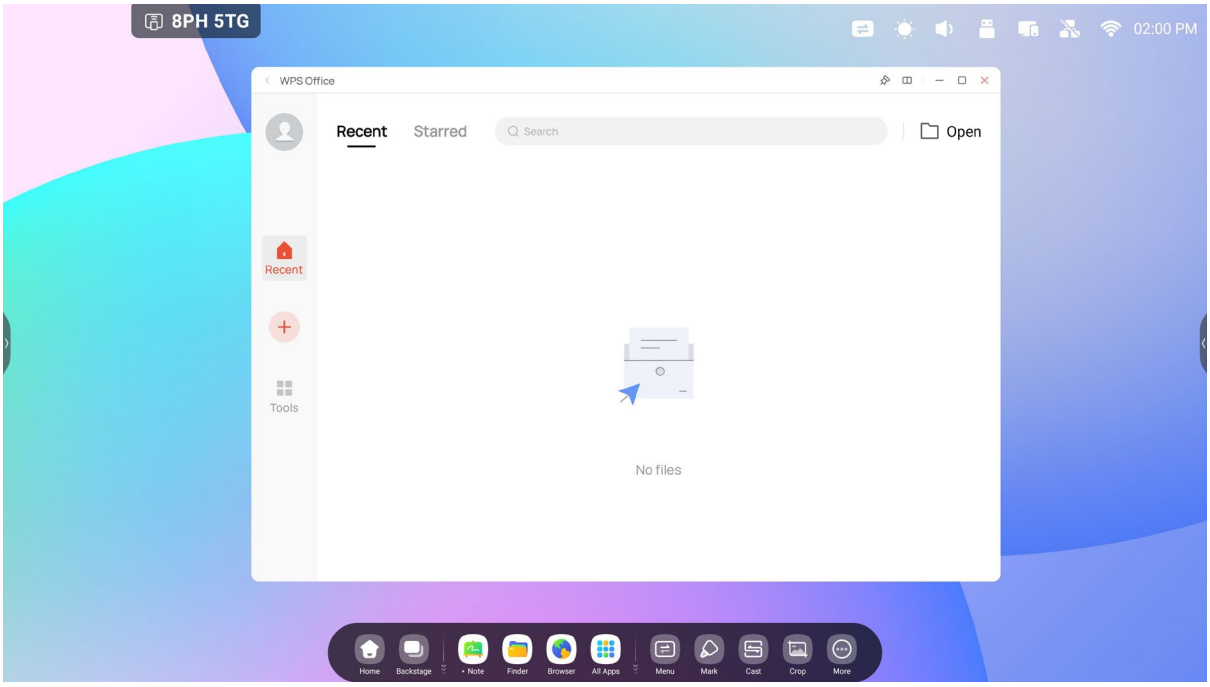
Logout Account

Click the "logout" button to log out of your account, it would delete the cache file of your account by default.

WPS Office

Click

to open the WPS.



Photo

Click a picture to open the Photo App.

Zoom in

Click the " Zoom in" button to zoom in the picture

Zoom out

Click the " Zoom out" button to zoom out the picture

Actual

Click the "Actual" button to show the picture with original image size

Rotate

Click the "Rotate" button to change the picture direction

Mark

Click the "Mark" button to open Mark

Insert

Click the "Insert" button to insert the picture to Note

List

Click the "List" button to view all pictures

Settings

Click the "Settings" button and show the Settings menu

（1）Click the "Play into full-screen" button to play pictures in full screen by slideshow, you can change the slideshow interval and Animation in the Settings menu

（2）Click the "Set to Wallpaper" button to set system wallpaper

Music

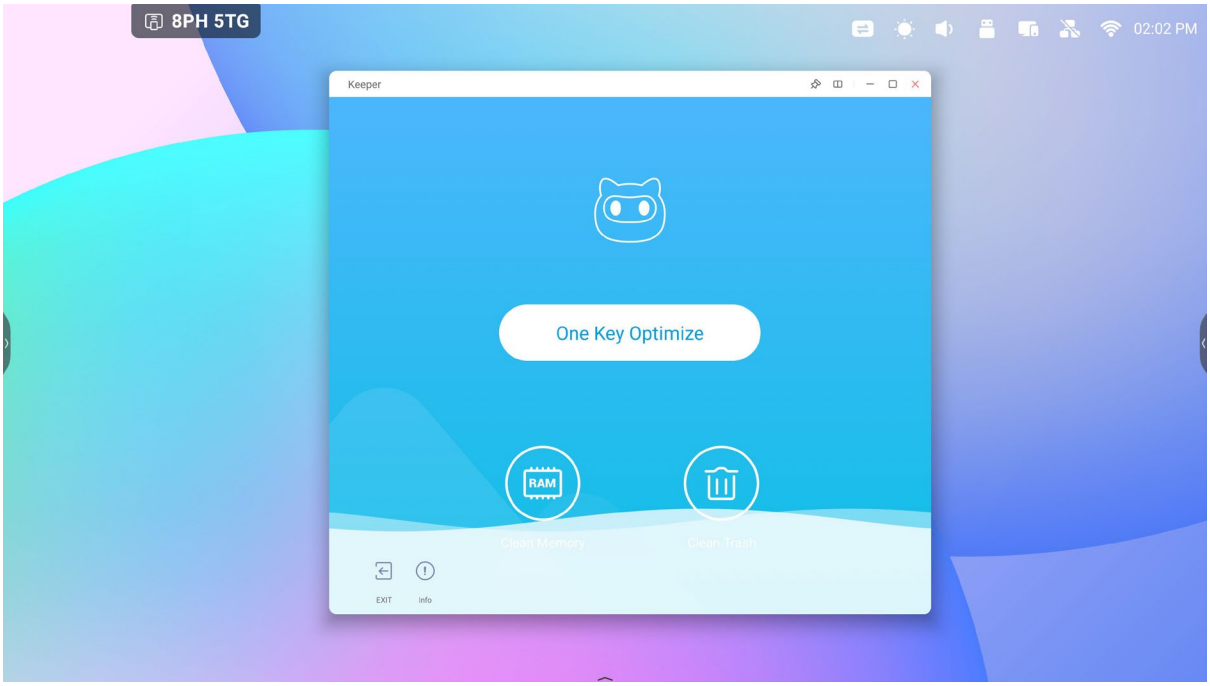
Click a music file to open the Music App.

Video

Click a video file to open the Video App.

Keeper

Click to pop out the Keeper interface as shown below. You can perform memory optimization, garbage clean and system detection on the intelligent tablet computer.



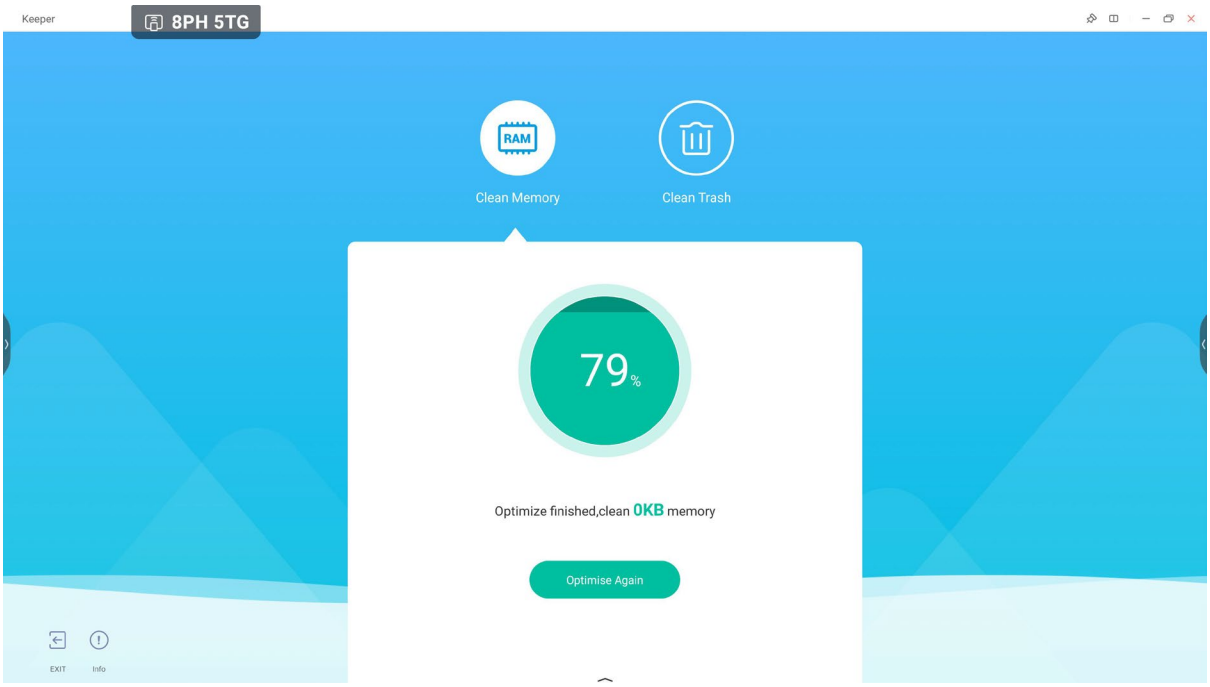
One Key Optimize

One Key Optimize. Click to optimize memory, clean the disk garbage and detect your system in one key.

Clean Memory

Click

to optimize the memory.

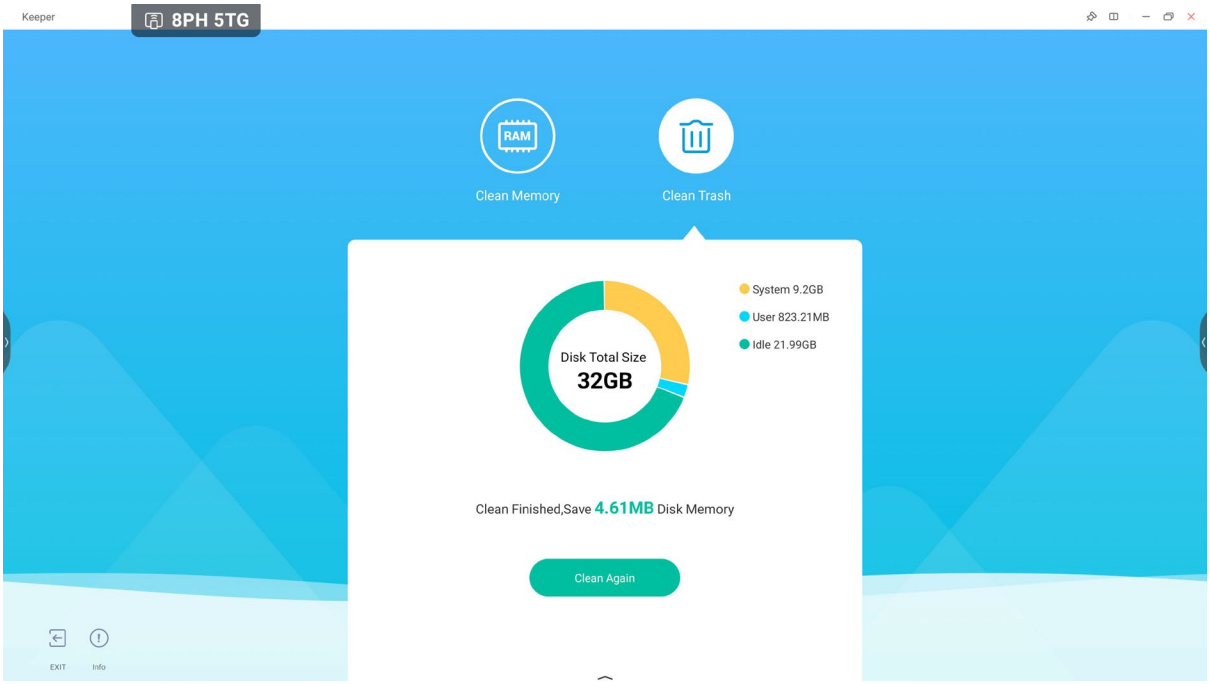


Press "Optimize Again" to optimize memory again.

Clean Trash

Click

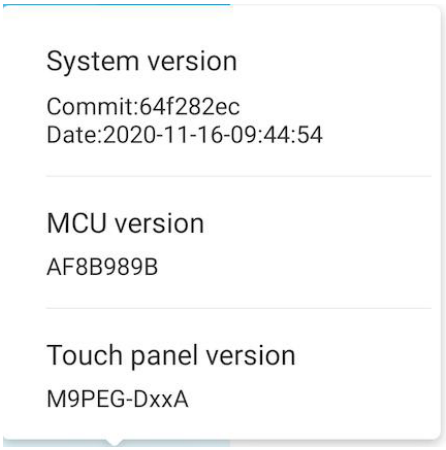
to clean the disk trash.



Click "Clean Again" to clean disk trash again.

Version Memory

Click Info to view the system information, including system version, MCU version and touch panel version.

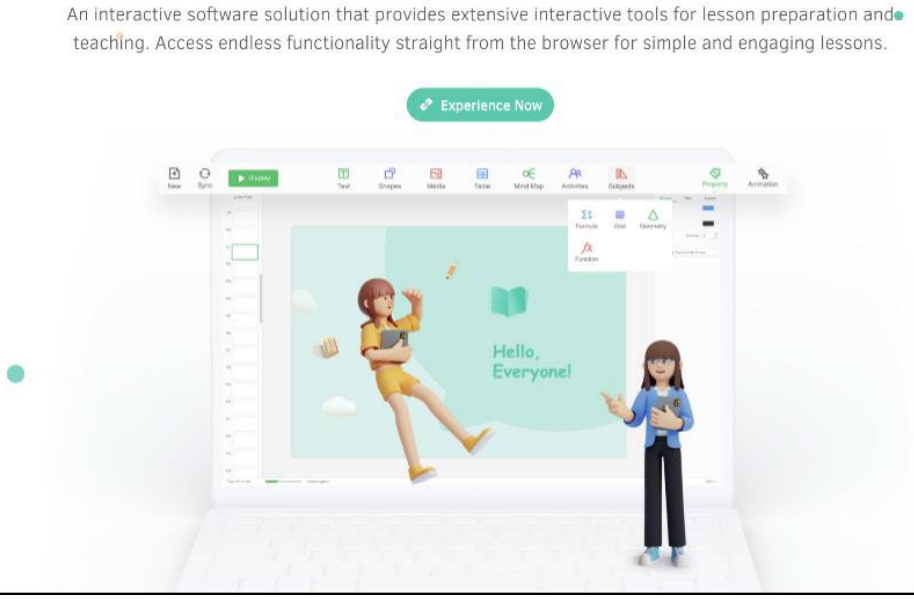


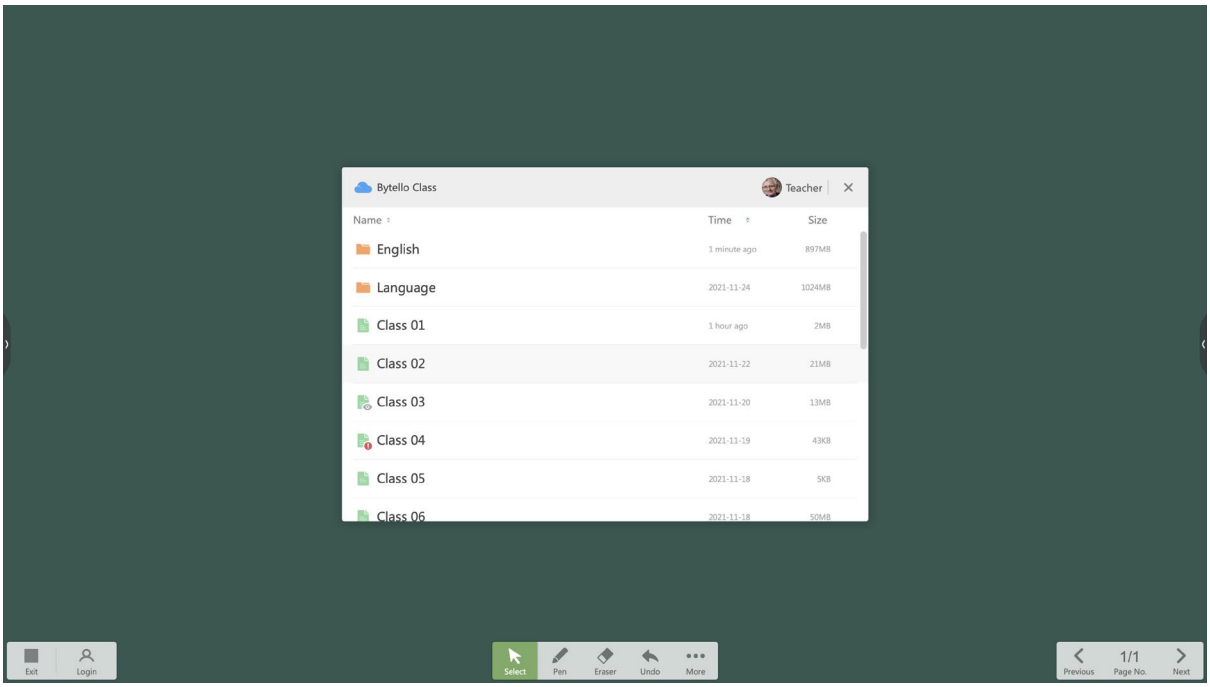
Click Info again to close the information window.

Exit

Click Exit to exit the Keeper.

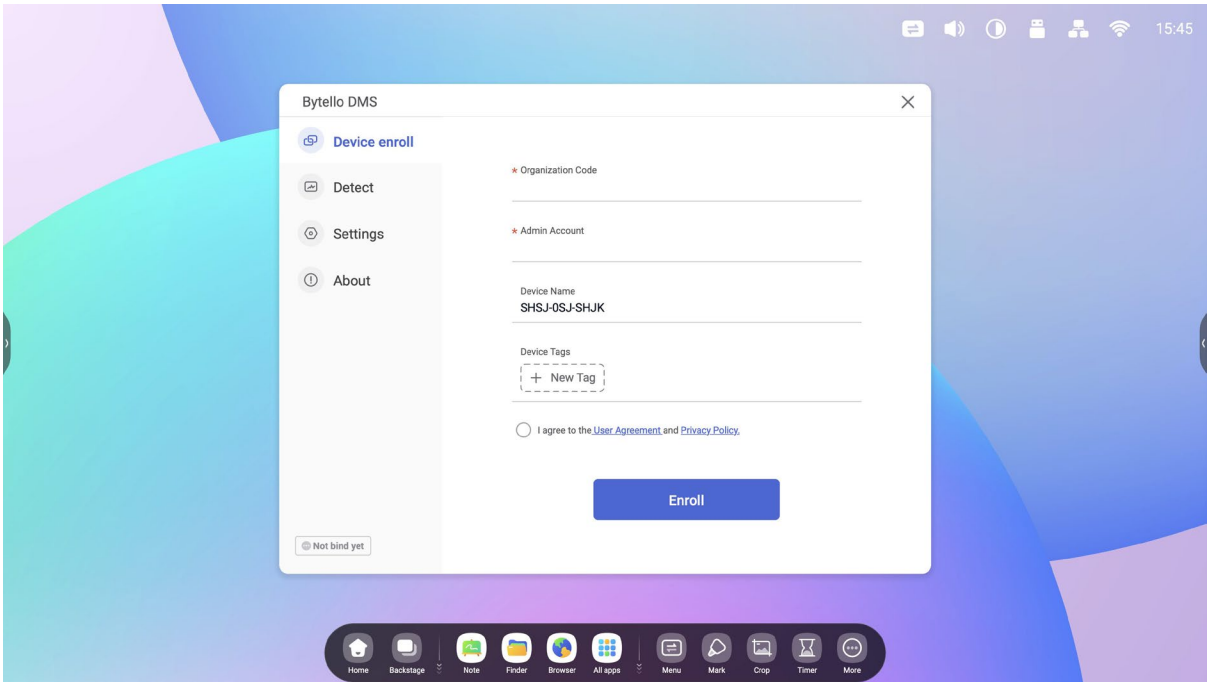
Bytello Class





Bytello DMS

This software provides organizations with a convenient and fast unified management solution for terminal equipment, builds an efficient and real-time equipment management system, helps digitize the campus environment and makes campus management more convenient.



PIP

PIP： Picture in picture

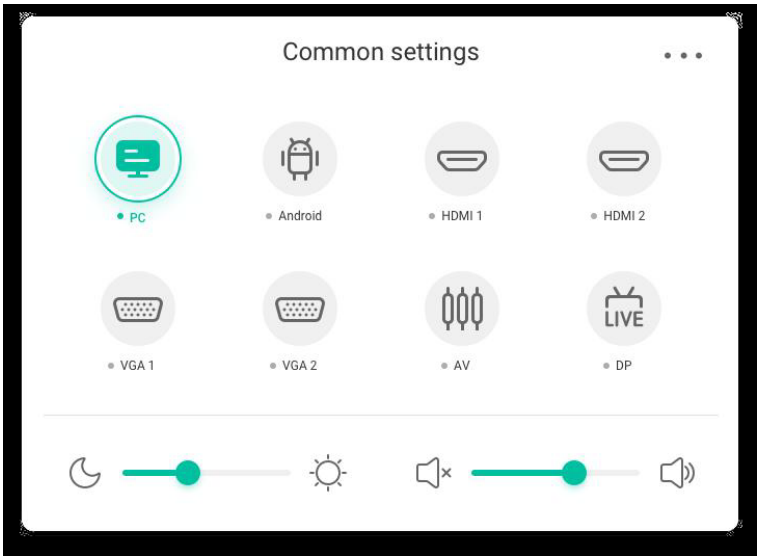
Small Tools

With the tools, teacher can enhance interactive learning with students for a smooth and fun learning experience. Menu, Mark, Cast, Timer, Crop, Stopwatch, Airclass, Spotlight, Freeze, ScreenLock are provided by default in IFP operation system.

Menu

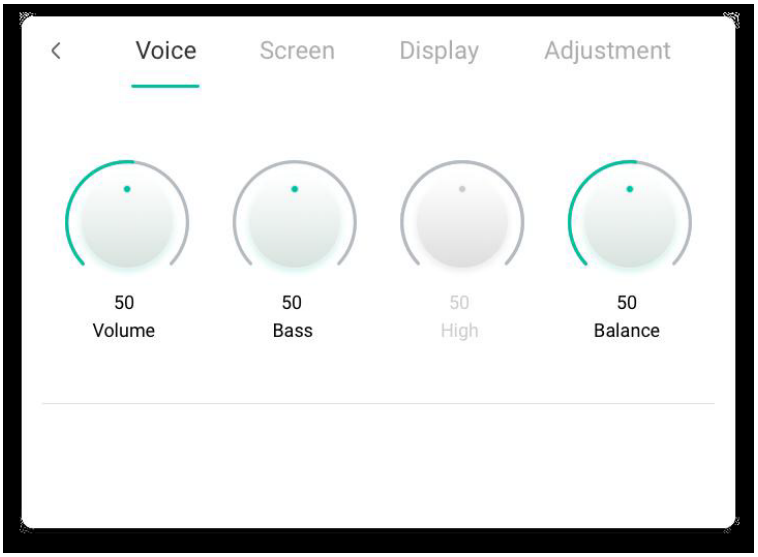
Common Settings

Show all input sources, include PC, Android, HDMI, VGA.

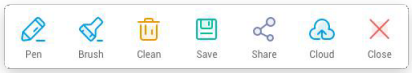
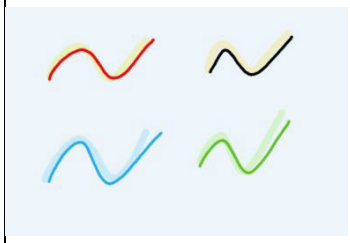
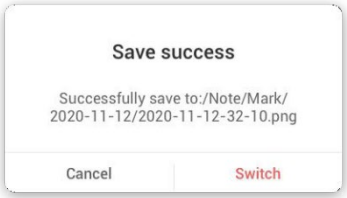


Advanced Settings

Show more settings, include Audio, Screen, Display, Adjust.

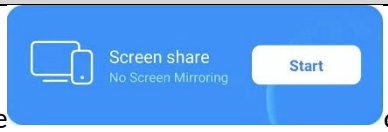
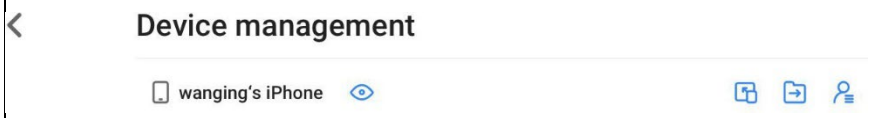


Mark

Content	Description
Pen	  Click the switch to pen mode and click more times will change the color to red , black , blue or green .
Brush	Click the switch to Brush mode. under Brush mode, click yellow , orange , blue or green .
Clean	Clean the annotations in the screen.
Save	 Save current annotations and screen content to picture in the storage. it will show a dialog when save successfully, click cancel button to dismiss the dialog, and switch button to jump to the Finder which locate in the save picture.
Share	Click to display on the mobile device through QR code.
Cloud	Support saving to cloud disk.
Close	Exit the Tools, and the annotations will be ignored.

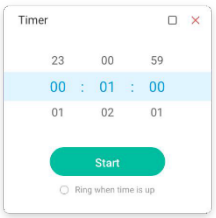
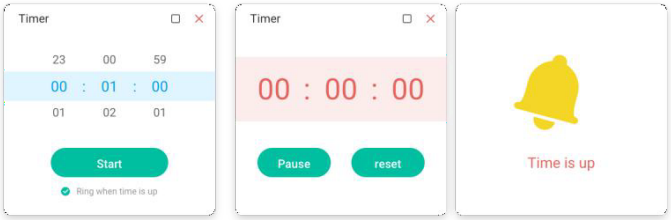
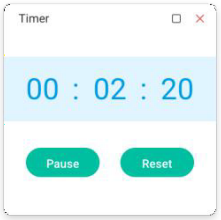
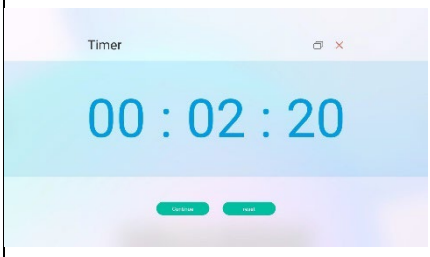
Cast

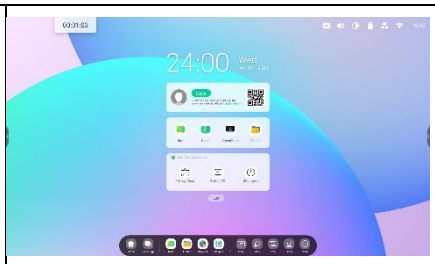
The tool designed for seamless wireless presentation and collaboration during lecture.

Content	Description
Mirroring	Click start on your phone  or click start mirroring on your PC to mirror your device's screen on IFP
Desktop Sync	Click Desktop Sync on your phone or on your PC to mirror IFP screen on your device and you can control on your device.
Remote	Click remote on your phone to remote control IFP on your phone.
Airplay/Chromecast	Open this switch in settings, you can use any device support airplay or Chromecast to find ScreenShare pro and mirror your screen to IFP without install software.
Micracast	Open this switch in settings, you can use any device support Micracast to find ScreenShare pro and mirror your screen to IFP without install software.
Document sending	 Click document sending in device management to send document to the device you selected.

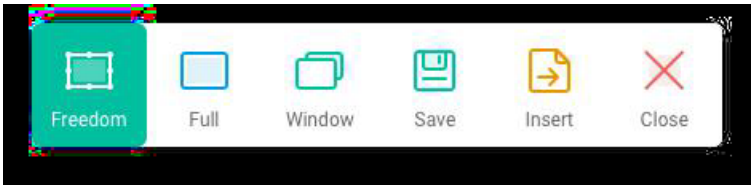
Timer

A tool which counts down from a specified time interval.

Content	Description
✕	 Click to close the tool.
'Ring'	 Check the 'Ring when time is up', it will reminder user by using ring tone.
'Start'	 Click to start count down.
'Pause'	Click to pause count down time.
'Reset'	Click to reset count down time.
☐ ⧉	 Click to view will fill the screen or restore original size.

Mini size	 Click the outside of Timer will shrink, click again to restore.

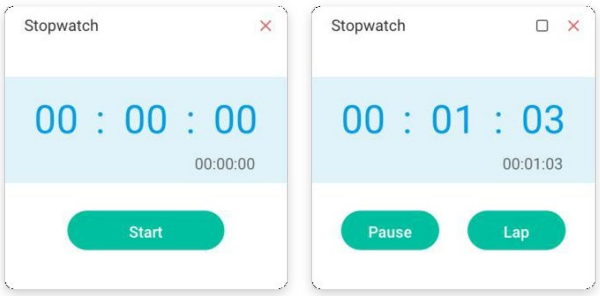
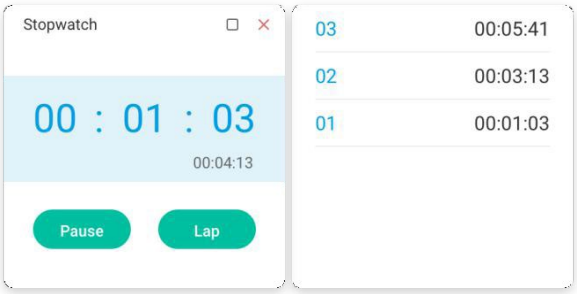
Crop



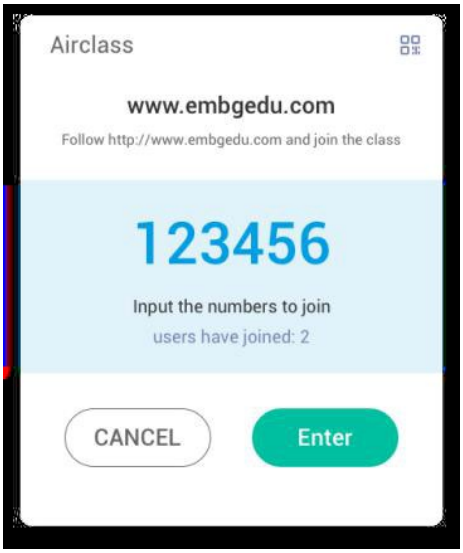
Content	Description
Freedom	The default is a custom screenshot, with a default initial size.
Full	Click to switch to full screen size.
Window	Click to focus and switch to the uppermost window size.
Save	Save the picture in the storage.
Insert	Click to insert the screenshot directly into Note.
Close	Click to exit screenshot mode.

Stopwatch

A tool which counts upwards from zero for measuring elapsed time.

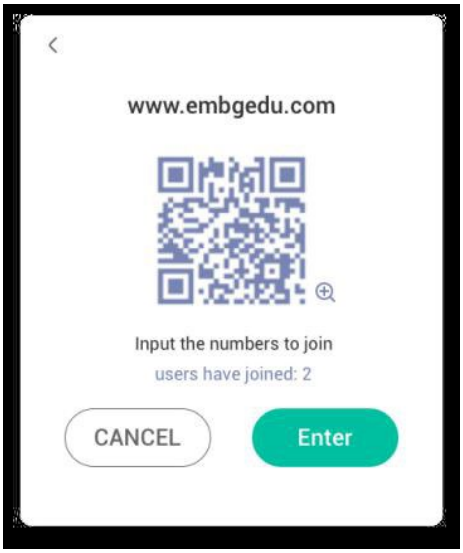
Content	Description
✕	Click to close the tool.
'Start'	 Tap the stopwatch to start timing.
'Pause'	Click to pause timing.
'Lap'	 Click to record multiple time periods and display them in a list.
Mini size	 Click the outside of Stopwatch will shrink, User can click the Mini size to restore the original size.

AirClasss



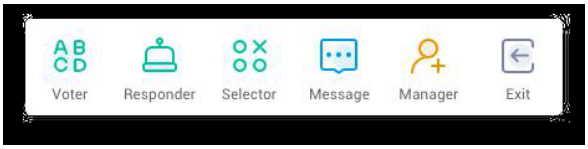
Scan QR Code

Students can just scan the QR code to join the class with their phone. Besides, they can type the URL in their browser to join the class as well.
Please make sure their phone is on the same LAN with the IFP, otherwise they will not succeed in joining the class.



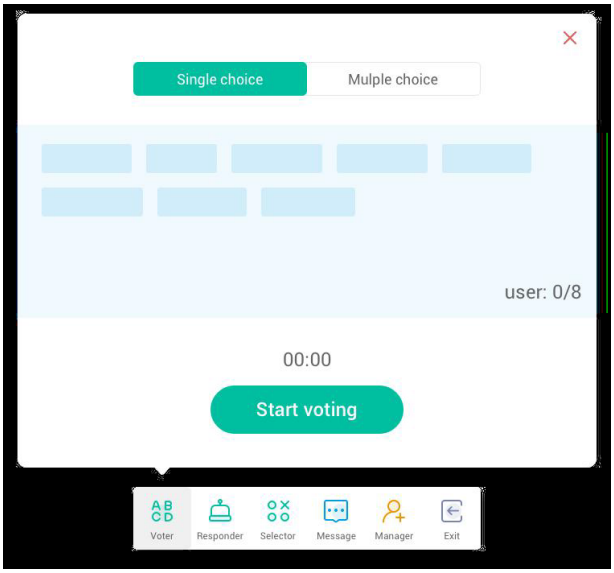
Enter the Class

After most of the students joined the class, you can click the “ENTER THE CLASS” button to enter the class. Then button panel as above will show.



Vote

Click on the button panel to start the voter part. The toolbar of voter will show as above.



Single Choice

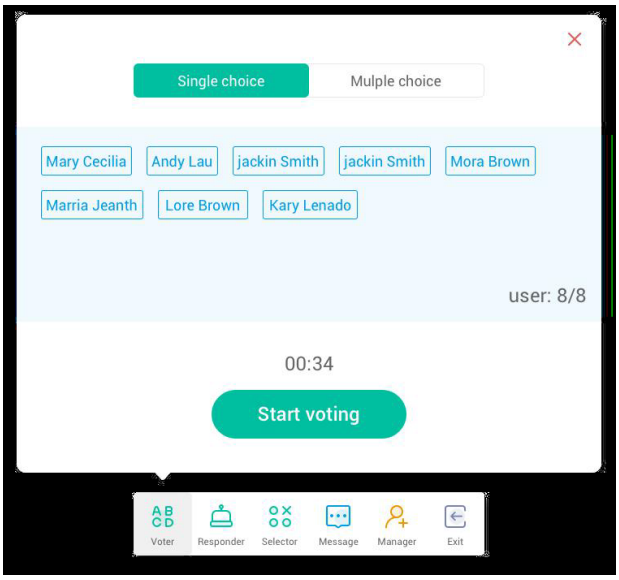
As default, “Single choice” button will be checked. In single choice mode, students can only submit a single answer for the question.

Multiple Choice

When “Multiple choice” button checked, students can submit more than a single answer for the question.

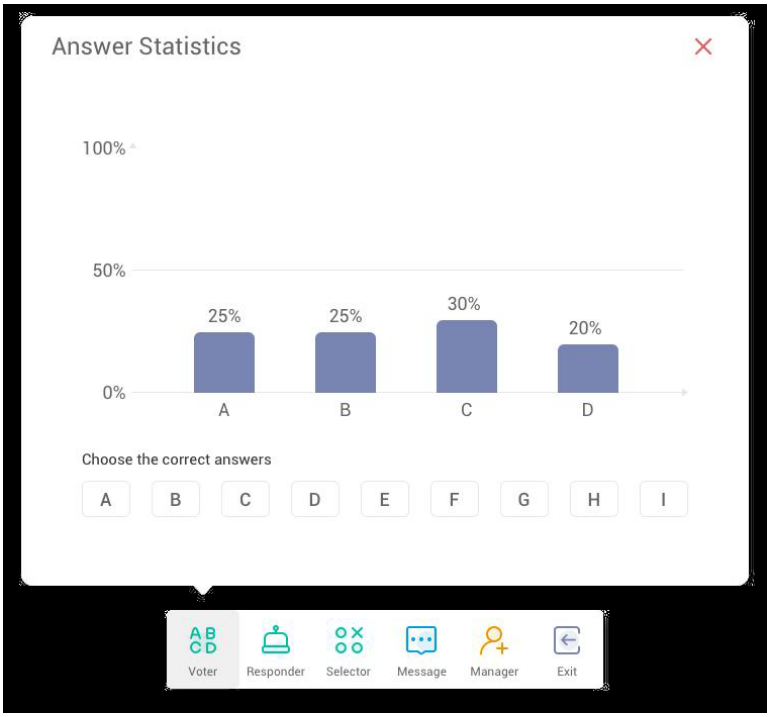
Start Voting

Click [Start Voting] begin to start answering question. After students answer the question, their names turn blue. Clicking a name item, name of it will be shown in a pop-up window.
Until “FINISH” button clicked, students can submit their answer again and again. But when the question finished, only the final submission would be accepted.



Finish

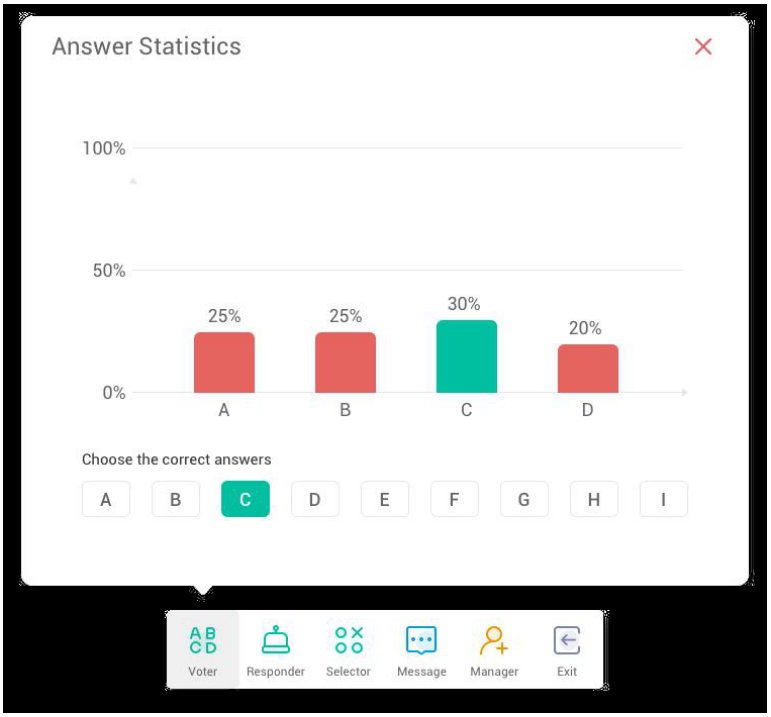
Click Finish to finish answering questions, then you can access the answers statistics page with full screen.



Choose Right Answers

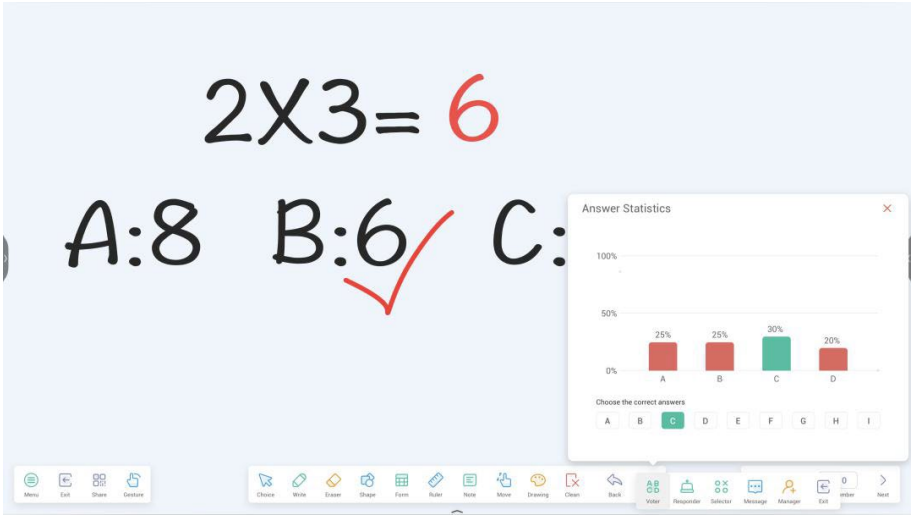
Choose the right answer(s) and calculate the accuracy. And the bar of wrong answer(s) will be marked red.

Clicking the bar of any answers, the names of whom voted for the answer will be shown in a pop up window.



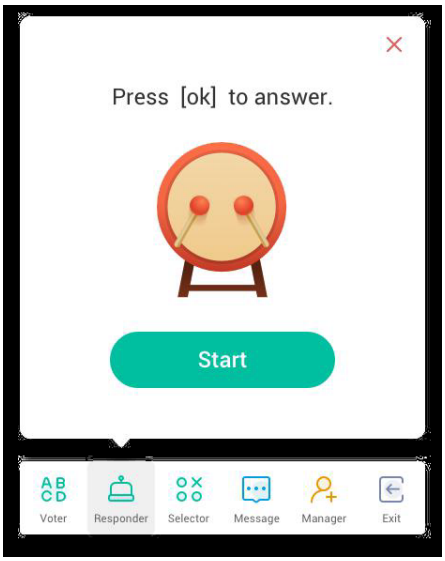
Exit

Click the to on “Answers statistics” window to exit the voter.



Responder

Click the button on the button panel to access the responder part.

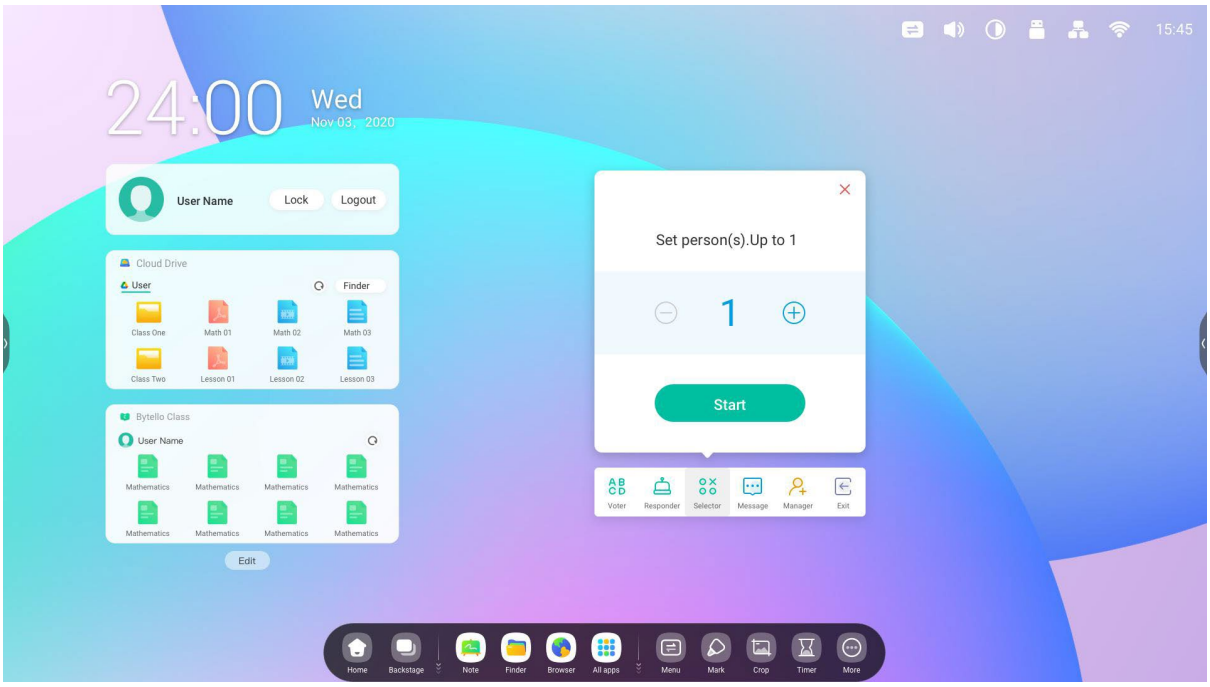


Start

Click “START” button to start responder. Students can responder by pressing the [OK] button with their phone.

Selector

Click the button on the button panel to access the selector part. You can select one or some students to answer your question randomly.
Only if at least 1 student in your class, you can start the selector.



Start

Click the “+” button or “-” button to set number of person(s) whom will be selected. Click “START” to start selecting or click to quit.

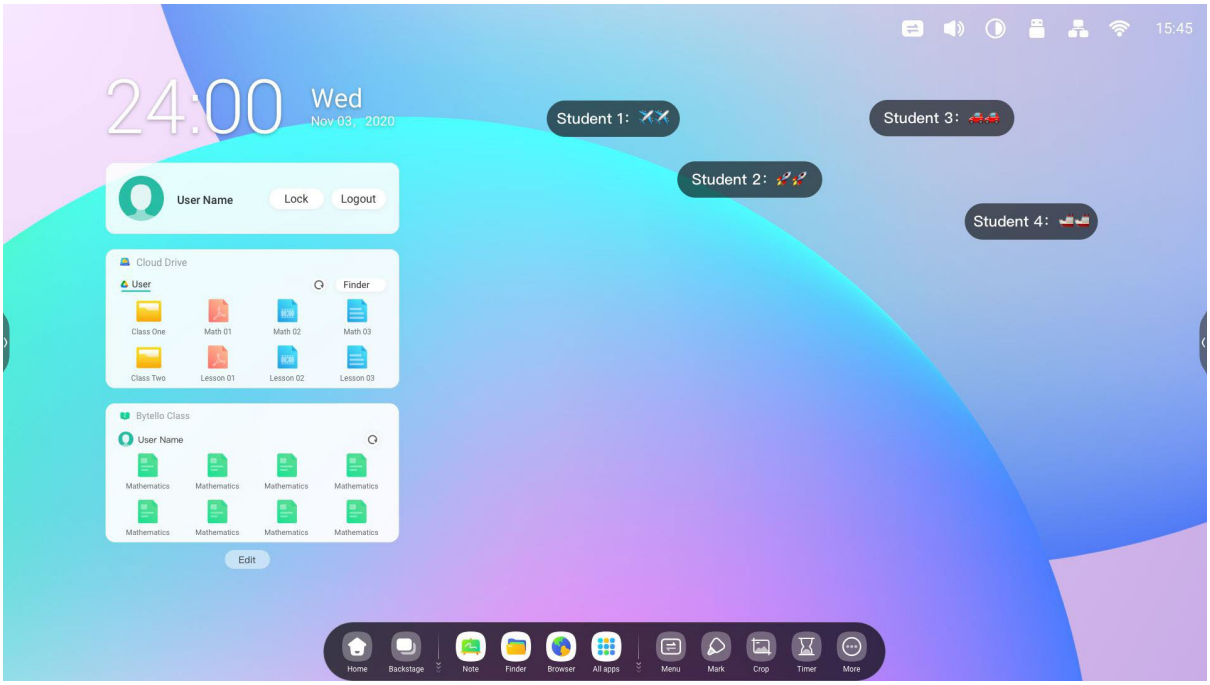
Reset

Click “Reset” to restart the selector.

Message Switch

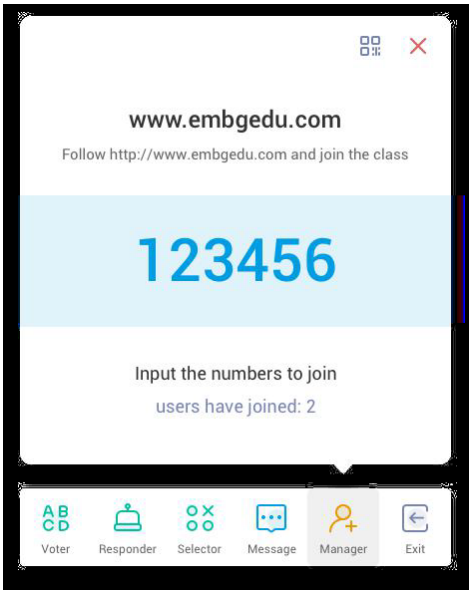
Click “Message” button to switch enable for message part. The icon of the button will show when message enable and show when it disables.

After enabling the message, students can publish the message comments on the mobile phone. The message comments are updated on the IFP in real time.



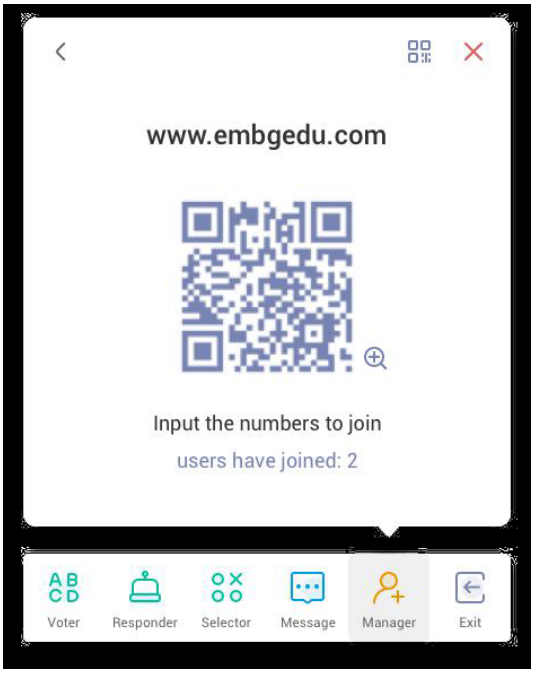
Manager

Click the button on the button panel to pop up the QR code, for ease of students in the class to join in the class.



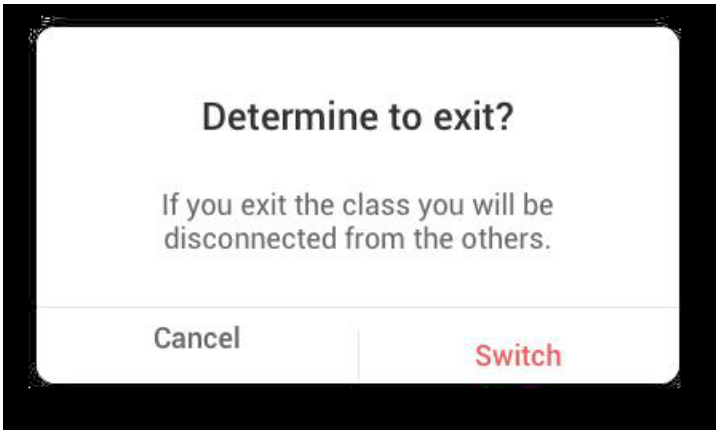
Scan QR Code

Students can just scan the QR code to join the class with their phone. Besides, they can type the URL in their browser to join the class as well.
Please make sure their phone is on the same LAN with the IFP, otherwise they will not succeed in joining the class.



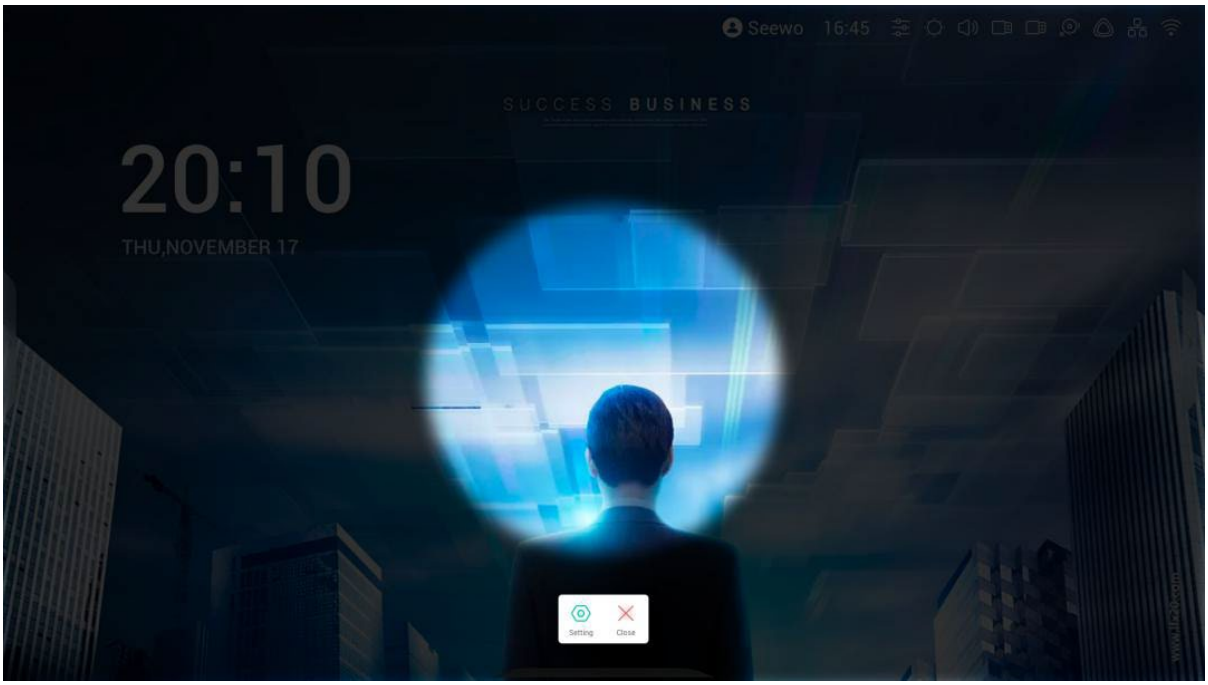
Exit

Click the button on thin button panel to exit from the APP. A dialog will show. Click "CANCEL" to dismiss the dialog and click "EXIT" to confirm exiting.



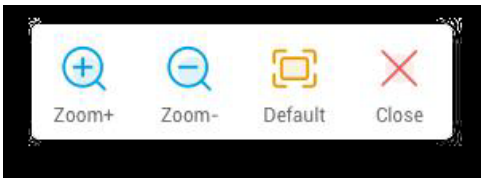
Spotlight

Teachers can use this function to focus on specific areas of the screen.



Freeze

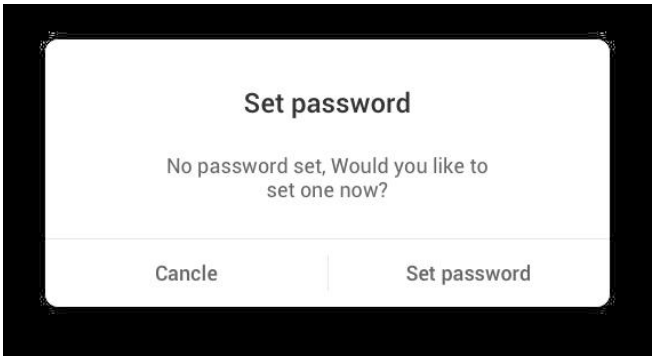
Teacher can freeze and zoom the current content on the screen.



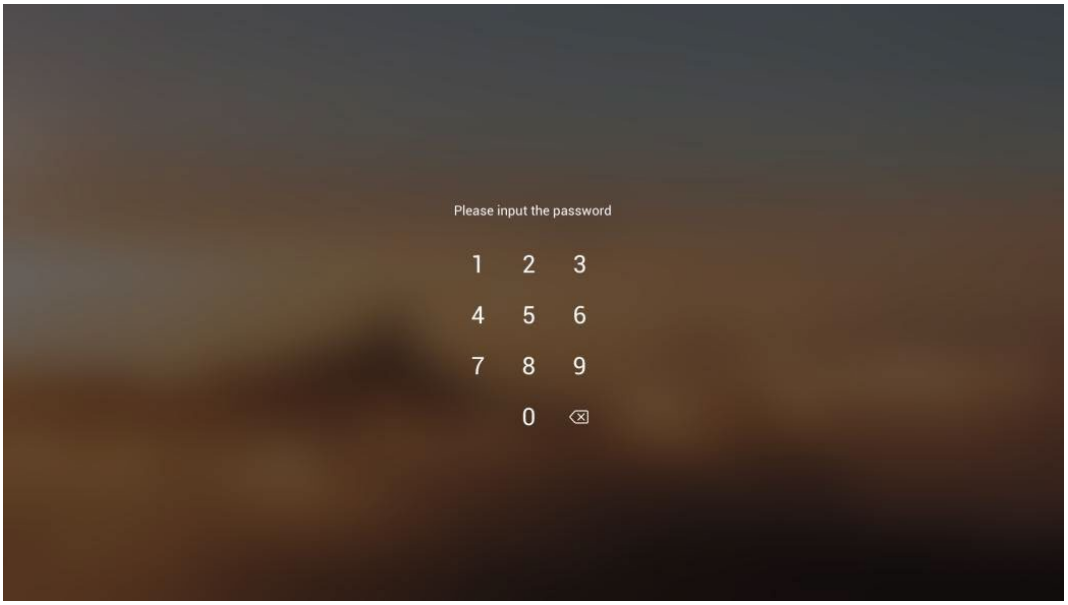
Content	Description
Zoom in	Click to zoom in the current screen.
Zoom out	Click to zoom out the current screen.
Default	Click to return to the original size of the screen.
Close	Click the button to exit the screen freezing.

Screen Lock

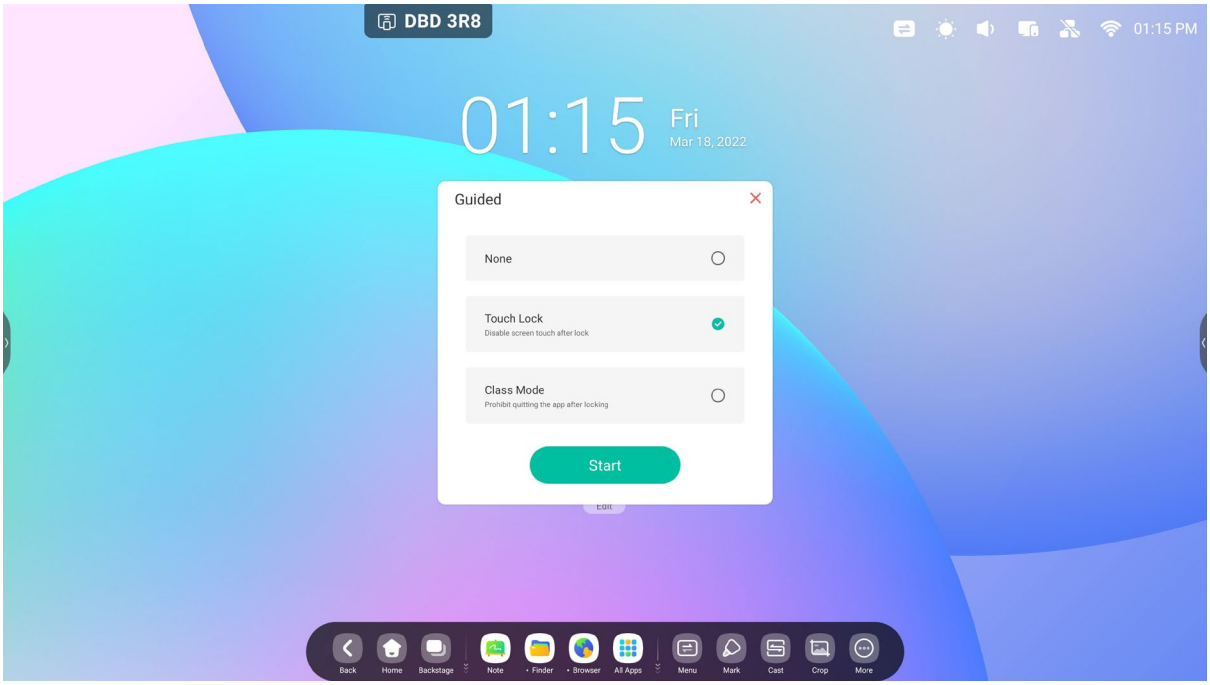
Teacher can lock the screen with the ScreenLock, and unlock it by entering the password, which is set in Settings



If you have set the password, then the screen will be locked. You need to enter the password to unlock.

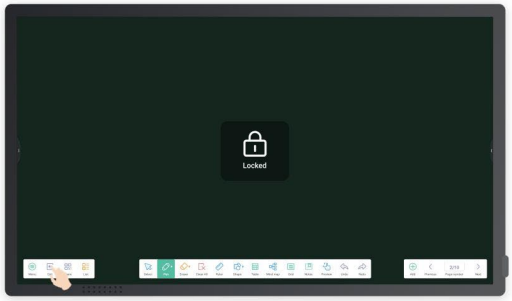


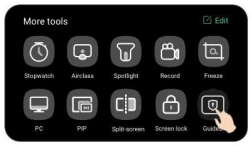
Guide



class Mode

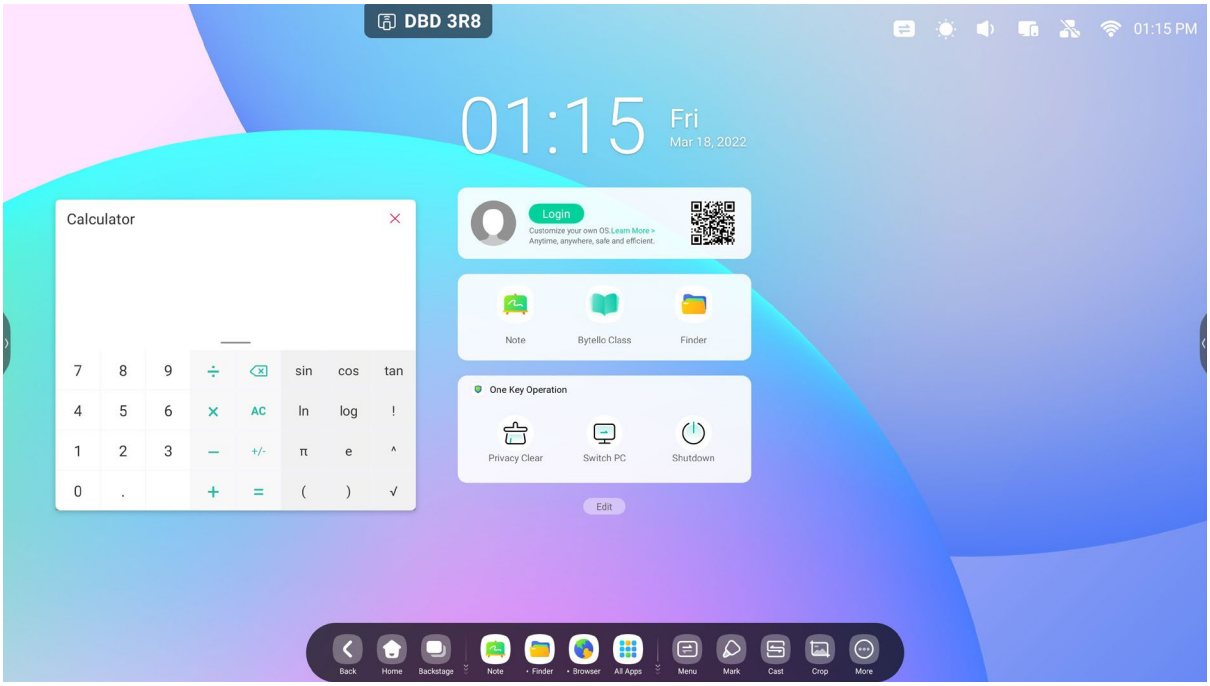
Guided Access enhances teachers' control over equipment displays.





Activate Class Mode to keep the interface on a fixed app and prevent inadvertent closure.

Calculator


DBD 3R8
01:15 PM
01:15
Fri
Mar 18, 2022
Calculator
Login
Note
Bytello Class
Finder
One Key Operation
Privacy Clear
Switch PC
Shutdown
Edit
Back
Home
Backstage
Note
Finder
Browser
All Apps
Menu
Mark
Cast
Crop
More

Warranty Information

COVERAGE

Avocor warrants to the first end user customer that the product, when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, for a period of **three (3) years** from the date of purchase, repair or replace the defective product or part thereof, at Avocor's discretion, with a new or equivalent at no charge to the customer. Advanced Field Replacement (AFR) service is included as part of this warranty.

Except as specified herein, this warranty covers all defects in material or workmanship in the product. AVOCOR'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT AVOCOR's DISCRETION. REPLACEMENT PARTS OR PRODUCTS MAY BE NEW OR 'LIKE NEW' UNDER THE CONDITIONS SPECIFIED BELOW. All parts or products removed under this warranty become the property of Avocor.

The replacement part or product is warranted for the remainder of the original limited warranty period or thirty days from shipment, whichever is longer.

LIMITATIONS ON WARRANTY COVERAGE, DURATION, AND SERVICES MAY SOMETIMES VARY BASED ON THE LAWS OF SPECIFIC REGIONS, STATES, AND COUNTRIES. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM JURISDICITON TO JURISDICTION.

Exclusions

This warranty does not apply to any cosmetic or consumable items of the Product or if the serial number or model number affixed to the Product has been removed, defaced, changed, altered, or tampered with.

This warranty does not cover installation, signal reception problems, potential incompatibility with peripheral devices, or acts of nature. Avocor does not warrant, nor shall it be liable for Products which have been subject to abuse, including, but not limited to, improper voltage, accident, misuse, negligence, lack of reasonable care, alteration, modification, tampering, improper installation, shipping damage, operation or maintenance or any damages or defects caused by repairs or attempted repairs performed by anyone other than Avocor personnel or an Avocor-authorized servicer.

Please refer to Avocor's pixel policy for warranty guidelines on pixel related issues.

This warranty also excludes any damage to product glass due to pressure, abrasion, scratches, or actions otherwise beyond normal operation of the product that would cause screen Mura and image retention.

Concealed Damage

It is the customer's responsibility to inspect new product(s) at the time of delivery.

If packaging is found damaged *at the time of delivery*, the Customer should refuse delivery and note on the delivery receipt the product and details pertaining to damage. The Customer may accept packages with minor damage but must take note of product details and damage on the delivery receipt.

If patent or obvious physical damage is detected *after delivery is accepted* and a "clean" or unmarked delivery receipt was returned, it is the customer's responsibility to file an insurance claim to the shipping provider according to the requirements set forth in the shipping provider's policy.

If the product packaging is clean and undamaged, but patent or obvious physical damage is found on the product, the customer must report the damages to their product distributor, shipper, or seller, within the policy guidelines of the distributor, shipper, or seller.

If freight was arranged by Avocor, and patent or obvious physical damage to the packaging is not detected but found on the product or product accessories upon inspecting the product, the customer must report the damages to Avocor within 10 calendar days after the delivery date to receive warranty services.

Customer Data

If the customer's product is capable of storing software programs, data, and other information, it is the customer's responsibility to protect its contents against operational failure. It is also the customer's responsibility to keep a separate backup of the contents and remove all personal information and disable security passwords prior to delivering a product for warranty service. ANY PERSONAL CONTENT WILL BE DELETED AND STORAGE MEDIA WILL BE REFORMATTED IN THE COURSE OF WARRANTY SERVICE.

AVOCOR SHALL NOT BE LIABLE, OR IN ANY WAY RESPONSIBLE, FOR ANY INCIDENTAL OR CONSEQUENTIAL ECONOMIC OR PROPERTY DAMAGE. SOME REGIONS DO NOT ALLOW LIMITS ON WARRANTIES OR ON REMEDIES FOR BREACH IN CERTAIN TRANSACTIONS; IN SUCH REGIONS, THE LIMITS HEREIN MAY NOT APPLY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. AVOCOR DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

SERVICES

Technical Support: The Customer must contact Avocor Technical Support, via email at service@avocor.com in order to initiate an RMA or another warranty service. Customer agrees to cooperate with Avocor: (A) to notify Avocor promptly of any defect, error or Hardware Product malfunction and to submit to Avocor such information that Avocor may reasonably require to

reproduce the error or Hardware Product malfunction and the operating conditions under which the error or Hardware Product malfunction was discovered; (B) to follow Avocor's guidelines to troubleshoot reported faults on the defective product(s); (C) to install, if requested by Avocor and within Customer security guidelines, a network connection that will be made available to Avocor for the purpose of resolving problems, reviewing Customer use of software, or for any other reasonable purpose; (D) to have a certified technician repair or replace defective parts under Avocor's guidance; (E) to notify Avocor of any additional hardware or software not purchased from Avocor that may be used in conjunction with the Hardware Product.

Onsite Repair: If Avocor deems the Product repairable, it will, at its discretion, send a technical support representative and/or technician to provide onsite repair or replacement service for any repairable or replaceable parts. Customer may be asked to provide access to, and to assist in the handling of, the Product, as deemed necessary by Avocor, under the instruction of the field representative or technician.

Advance Field Replacement (AFR): Avocor will ship a like-new or refurbished replacement product to the customer, at its discretion, if the product defect is determined to be unrepairable. The Customer must provide the display model and serial number and will be asked to provide contact details for the shipment. Upon approval, Avocor will ship the replacement product to the customer's site.

> **AFR Guidelines:** At the time of the new product's arrival to the customer, it is the customer's responsibility to facilitate the deinstallation of the defective product, installation of the replacement product, and packing of the defective product in either its original packaging or the packaging of the replacement, and then send the defective back with the same driver that delivered the replacement product on that same day. If the customer is not able to perform the same day swap, they will incur the cost of freight. Additionally, if the product is not returned within 15 business days, the customer will be invoiced in full for the replacement product.
>
> SHIPMENTS TO CERTAIN INTERNATIONAL LOCATIONS MAY NOT BE SUBJECT TO THE ABOVE AFR GUIDELINES. CONTACT SUPPORT FOR FURTHER DETAILS.

Defective on Arrival (DOA): If the Product is determined by Avocor to be defective within the first 90 days of the initial purchase by the Customer, it is deemed Defective on Arrival (DOA). In the case of a DOA, the Customer will be provided a brand-new equivalent Product. In the case that an RMA is issued after the 90 DOA period, the defective product will be replaced with a refurbished "like new" equivalent product, if available.

Repair with Expired Warranty: Avocor offers repair services, at cost to the Customer based on time and materials, for products with expired warranty. Customer will be responsible for all shipment costs.