NEXIS

Model : NX6 / NX7 / NX8 / NX9

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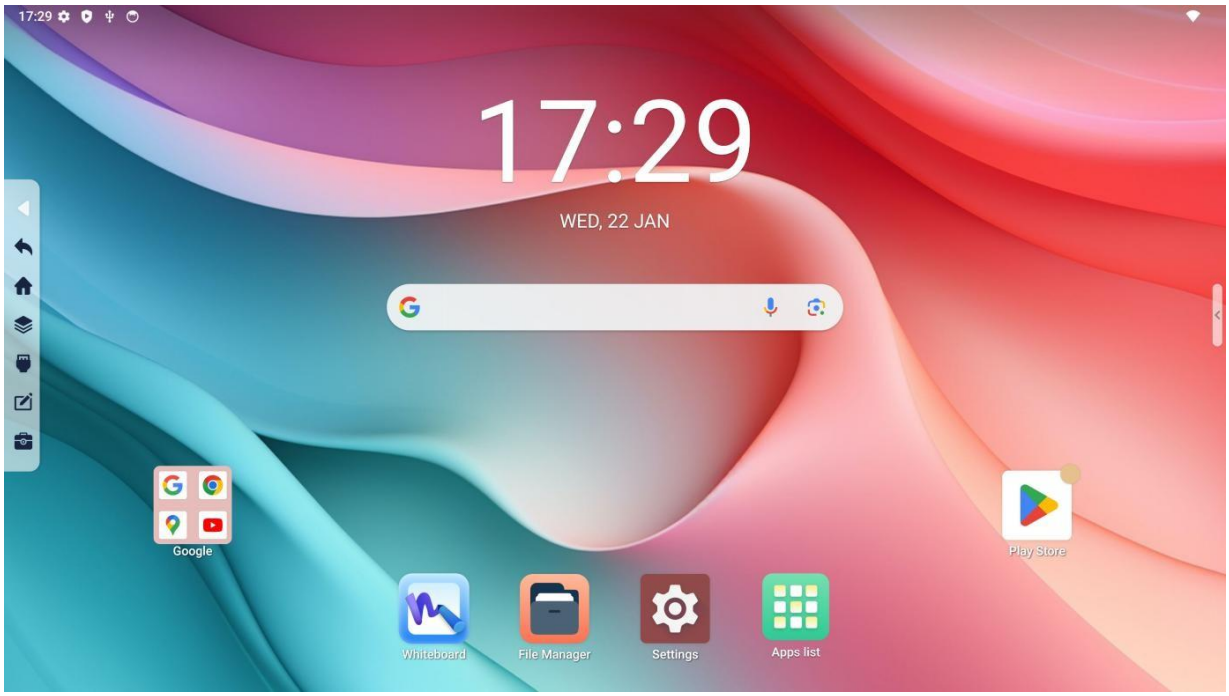
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# I. General

NX Series uses Android 14 and passes the Google EDLA certification specification. Home Page




# II. NX Series Port Function Description

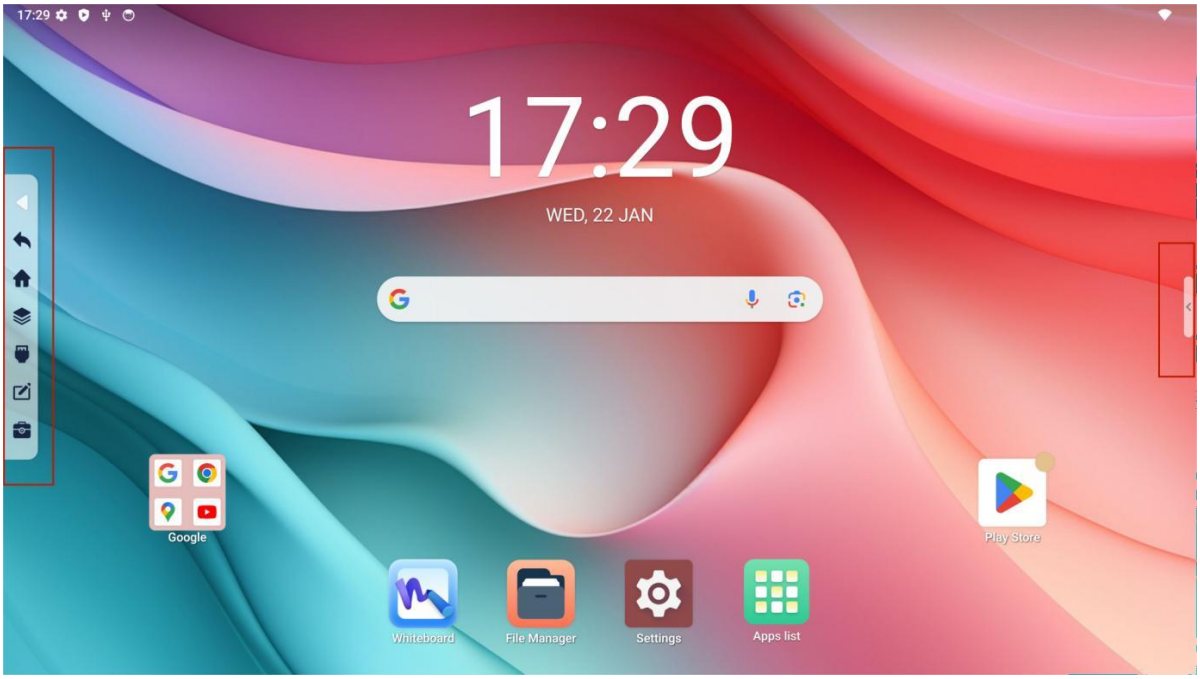
- VByOne ( Set 3840*2160 @60Hz)
- OPS(Support Max 3840*2160 @50/60Hz)
- HDMI1 IN(Support Max 3840*2160@60Hz)
- HDMI2 IN(Support Max 3840*2160@60Hz)
- DP IN(Support Max 3840*2160@60Hz)
- Back TYPE-C IN(Support Max 3840*2160@60Hz, PD 20V/3.25A/65W, USB 3.0)
- HDMI OUT(Support Max 3840*2160@60Hz)
- RJ45-1 (Support Max 1000Mbps)
- RJ45-2 (Support Max 1000Mbps)
- Android USB3.0 (Android USB3.0)
- Android USB2.0 (Android USB2.0)

- VGA IN(Support Max 1920*1080@60Hz)
- VGA LINE IN （Support3.5mm Earphone）
- MIC IN （Support3.5mm Earphone）
- LINE OUT （Support3.5mm Earphone）
- SPDIF OUT

# III. Sidebar Menu Features

Used to store convenient tools and shortcuts to operate commonly used functions on the large screen, including Back, Home, Recent Tasks, Sources, Annotations, and Toolbox.

As shown in the figure below, when no operation is performed on the sidebar, the sidebar will be automatically closed as shown in the right icon. When the user needs to operate the sidebar, click the sidebar hide icon, the sidebar will be displayed as the left side.



# ( I ) Recent Tasks



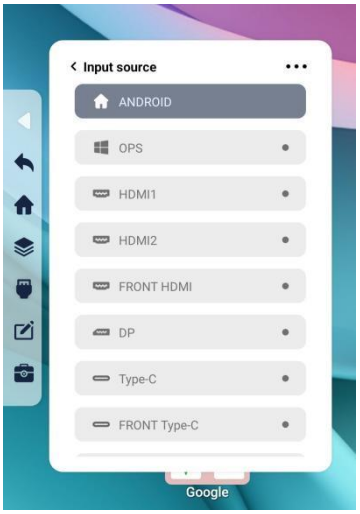

This is where you can see the apps that the user has recently used. By clicking on an individual app, the user can access the app again。By tapping the icon in the top right corner of the app 

, users can remove this app from the background.

Tap the Clear button below to clear all background apps.




# ( II ) Source List




Users can view all channels in the source, and click on a channel to enter the corresponding channel page. When there is a signal input, the gray black dot on the right side of the corresponding channel column will change to bright green.

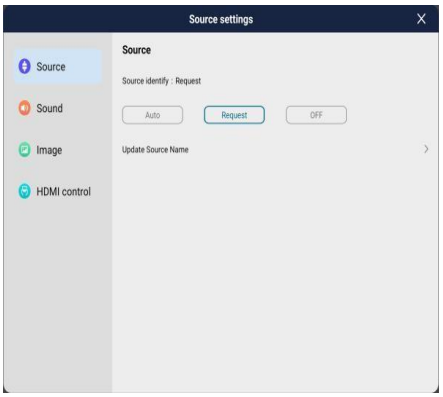



When you enter a channel, the background color of the corresponding channel column in the menu changes from light gray to dark gray to prominently display it. 


① Source List-Source



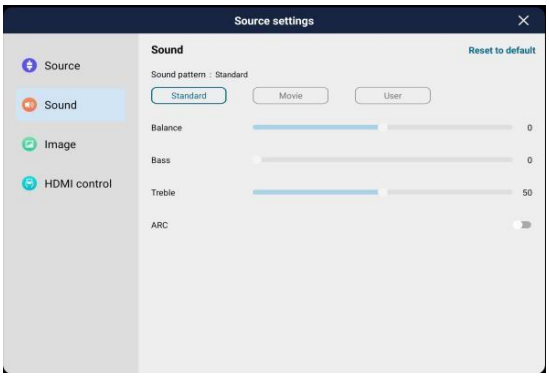

Here you can access the Source List.




Request: When the big screen accesses the signal source, the system will prompt whether to jump to the source channel or not.

OFF: When the big screen accesses the signal source, the system does not prompt the signal access and will not automatically jump to the source channel.

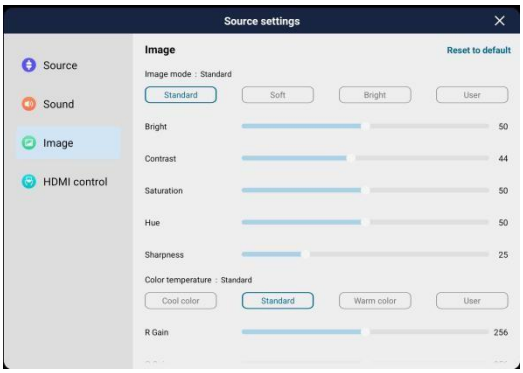
## ② Source List-sound




Users can choose the sound mode of the whole machine according to their preference, Support three modes. Standard: The default sound mode of the whole machine, suitable for most environments.

Movie: Parameters are fixed to simulate the sound mode of the movie environment. User: Supports the mode in which the user adjusts the parameters according to his/her preference. ARC Function: Supports the user to control the ARC function.

## ③ Source List-Image

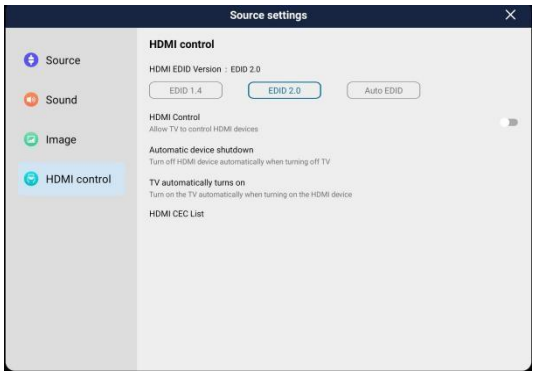



The user can select the image mode of the entire camera according to his/her preference.

The image modes include Standard, Soft, Bright, and User, in which the display mode parameters can be customized only in the User mode.

The image modes are Standard, Cool color, Warm color, and User, where the parameters can be customized only in the User mode.

## ④ Source List-HDMI Control




The setting on this page is that this setting is only present on the HDMI channel. Support users adjust the EDID Support version of the HDMI port.

Support user to control the devices that support HDMICEC function and select whether the devices follow the whole machine to turn on or off.

Automatic device shutdown(HDMI CEC)

After the big screen and HDMI CEC device have turned on the automatic shutdown function at the same time, the CEC device will use the HDMI cable to connect to the HDMI IN port of the big screen, and use the remote control of the big screen to press the power button to control the big screen to shut down, and the big screen will control the CEC device to go into standby through the HDMI CEC function.

TV automatically turns on(HDMI CEC)

After the function is turned on, the CEC device is connected to the HDMI IN port of the big screen using the HDMI cable. When the big screen is in standby mode, use the remote control of the CEC device to control the CEC device to turn on the power, and the CEC device will wake up the big screen through the HDMI CEC function.

## （III）Annotation




- Pen: Choose from fountain pens, brushes, regular pens and highlighters.
- Eraser: You can select the board eraser/circle sassafras to erase the handwriting.
- Clear: All contents of the current page can be cleared.
- Select Wallpaper: You can select the current screen as the wallpaper.




- Switching Whiteboards: You can leave the annotations directly and switch into the whiteboard。
- Undo/Restore: You can withdraw the last operation or restore the last withdrawal.
- Close: All annotation tools can be hided






- Freeze /Cancel Freeze : When the background screen is moving, freeze can capture the screen at that time as the background. Cancel Freeze will not fix the background.
- Operate : When this item is turned on, for the first time, you can operate the large screen function and continue to interact with it. Writing can only be done with the brush。
- More Functions : You can save, share, email analyze, and exit annotations.



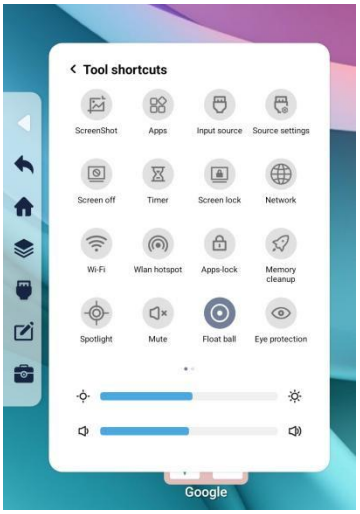




- Confirm : The captured image can be inserted into the whiteboard.
- Cancel : Cancel the currently captured screen.
- Search : Performs a search for text in the intercepted screen.
- Text Recognition : Text extraction of the text in the intercepted screen, which can be copied or searched by the user.

- Screen Shot : You can choose to capture a rectangular screen at any time on the screen.

# ( IV ) Tool Box




Clicking on the toolbox icon will display the shortcut tools page as shown on the left, users can perform some shortcut operations, such as screenshot, app open, source view, source settings, rest screen, timing, lock screen, network settings, WIFI settings, hotspot facilities, app lock, memory clear, spotlight, mute, hover ball, eye protection, hardware self-test, source preview, screen drop, brightness adjustment and sound adjustment.

① ScreenShot

Screenshot function Support users to capture full-screen image or area by rectangle.。

② Apps

Support quickly lists all apps and opens them.

③ Input source

Support quickly views the list of sources to see the current source status.

④ Source setting

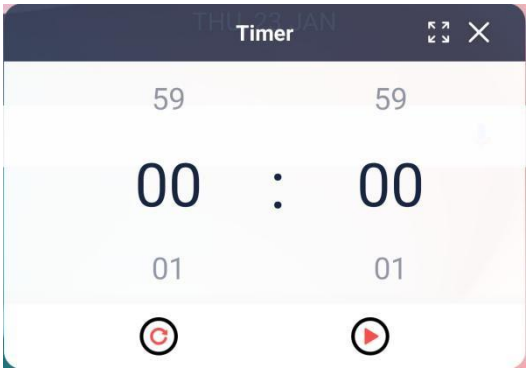
Support quickly opens and operates the source settings.

⑤ Screen off

Support quickly turn off the screen, the user taps the screen again, power button, remote control operation can light up the screen again.

⑥ Timer

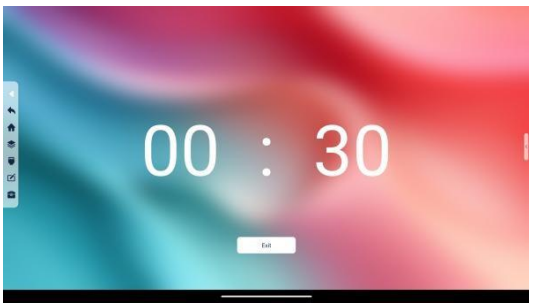
Support quick-open timer with up to 1 hour countdown timer。




- Start the clock. After setting the time, click the start button。
- Reset Timer: You need to pause the timer and then click Reset Timer. You can count down again.
- To turn off the timer: Click the x in the upper right corner of the timer to turn off the timer.




- Minimize Timer: After 10 seconds of no operation after the start of the countdown, the timer can be automatically reduced and made transparent.




- Expand Timer: Click the zoom button on the top right corner of the timer to enlarge the timer in full screen.

⑦ Screen lock

Support quickly locks the screen into standby, and the user can light up the screen again by operating the power button or remote control.

⑧ Network

Support opens the Setup Network interface with one click.

⑨ WIFI

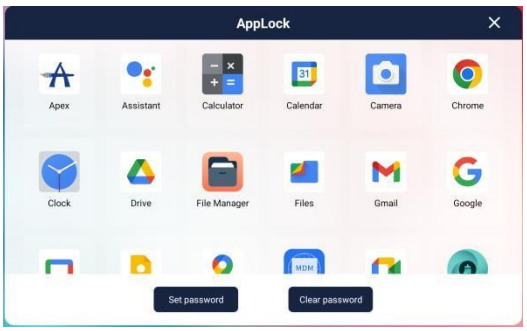
Support one-click to open the Setup WIFI interface.

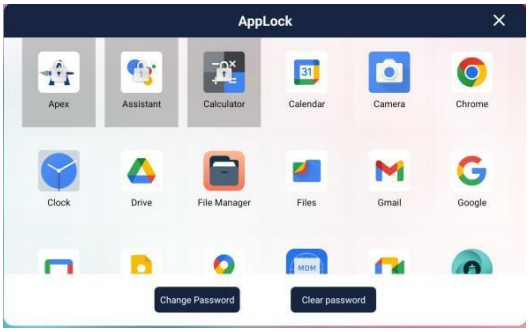
⑩ WAN hotspot

Support opens the Setup Hotspot screen with one click.

⑪ Apps Lock

It is used to set lock permission to the app, when the app is locked, when you open the locked app, you need to enter the app lock password and enter the correct password before you can enter the locked app interface.



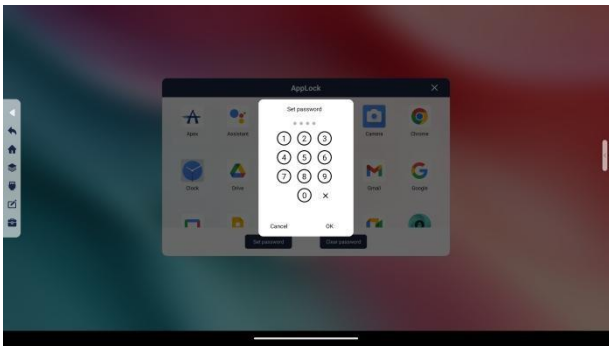

Usage:

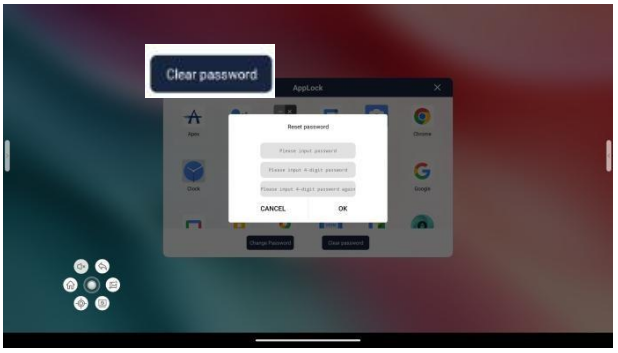
Setting a four-digit password. Set password

- Select the range of locked apps by tapping on the apps and a small lock will be displayed on the selected app icon.
- Changing your password requires you to re-enter your current password and enter your new password twice. Change Password

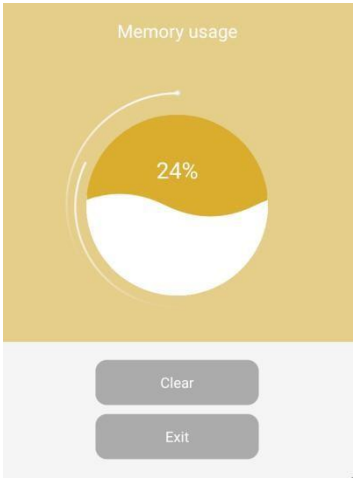
Confirmation of changes.

- When the application lock is not needed, you can cancel the application lock by entering the current password through the clear password function.






## ⑫ Memory cleanup




Used to clean up system background applications and free up memory space.

Users can find out the current memory usage of the system. Use the clear function to force the removal of background occupied applications. Clear

Click Exit to exit the current screen. Exit

## ⑬ Spotlight

Turn on the spotlight, you can slide the big screen by touching it, you can make everyone's vision focus on the spotlight position; the size of the spotlight can be adjusted by touching it.

## ⑭ Mute

The large screen can be muted or unmuted depending on the current volume.

## ⑮ Float ball




Bringing up/putting down the Float ball

- From the sidebar, click the Float ball button
- A white transparent orb will appear in the center of the big screen (Float ball)
- Click on the Float ball and it will automatically expand.
- From the sidebar, click the Float ball button again to retract the Float ball。

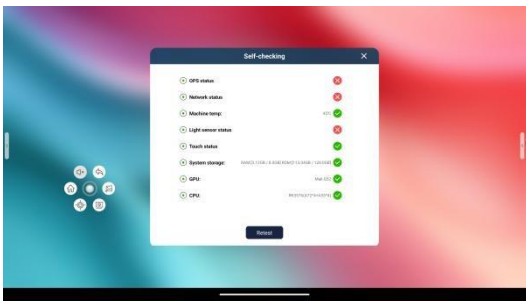



- Replace the Float ball function
- Long press the Float ball button in the sidebar
- Users can select the desired function of the homemade Float ball from the list and click on the upper right corner ✓ to confirm.

## ⑯ Eye protection

Turn on the eye protection function, the large screen will adjust the color temperature of the screen to reduce the blue light, the use of red and yellow light to softly produce light, making the screen display warmer, so that the light is softer.

## ⑰ Self-checking




It is used to check whether the memory, storage remaining, light sense, network status, OPS status, and touch status of the body are normal.

## ⑱ Source Preview




Source Preview Support browses the screen of the input source under Android. After opening the hovering preview window, you can drag and drop the preview window to any position on the big screen. Click on the top right corner of the preview window The preview window can then be put away. Click on the top right corner of the preview window The corresponding channel can then be accessed. The top left drop-down selection allows you to switch to other channel screens.




## ⑲ Quick Whiteboard

The pen-on-writing feature speeds up the process of calling up annotations for writing. By using the pen to write directly on the large screen, annotations can be called up directly for a seamless writing experience.

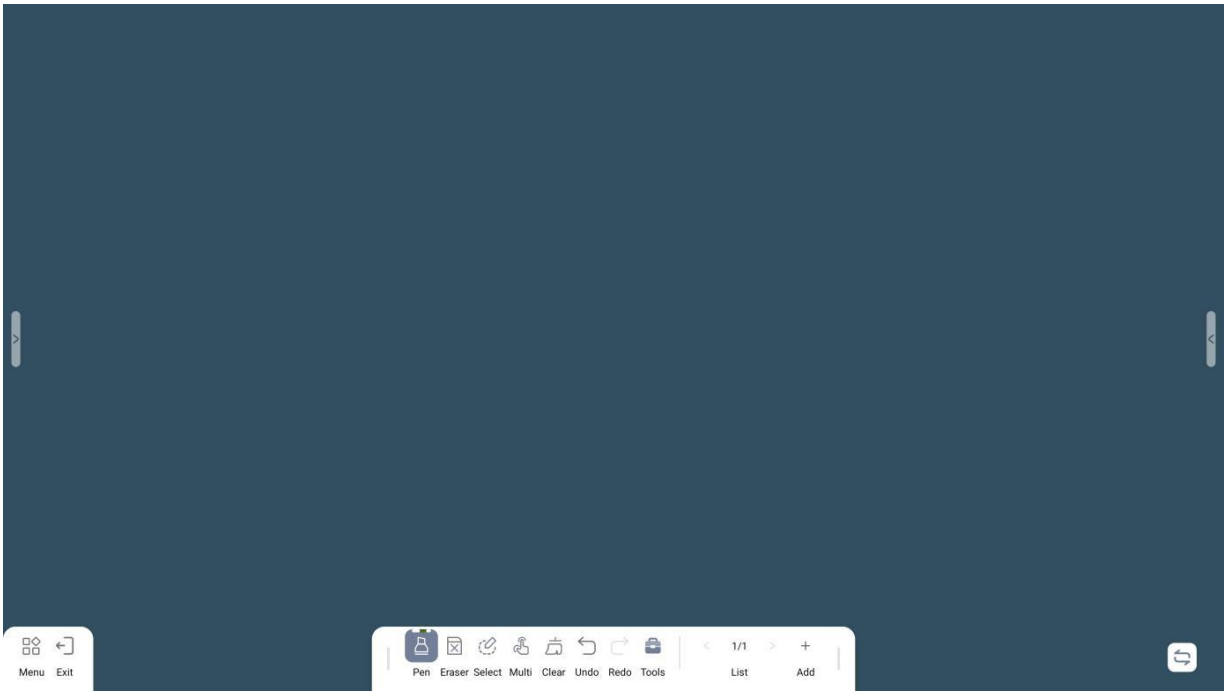
⑳ Panel drop down




In response to the differences in interaction between different people on different sizes of large screens, the screen drop function moves the screen display downward, making it easier for users to interact with the area above the screen.

Screen down mode can be exited by tapping the black area above.

# IV. Whiteboard Features




## (Ⅰ) Removable Toolbars

### ① Moving Cursor

Touch “|” with one finger and move it to the left or right to move the function bar in the direction of your finger.

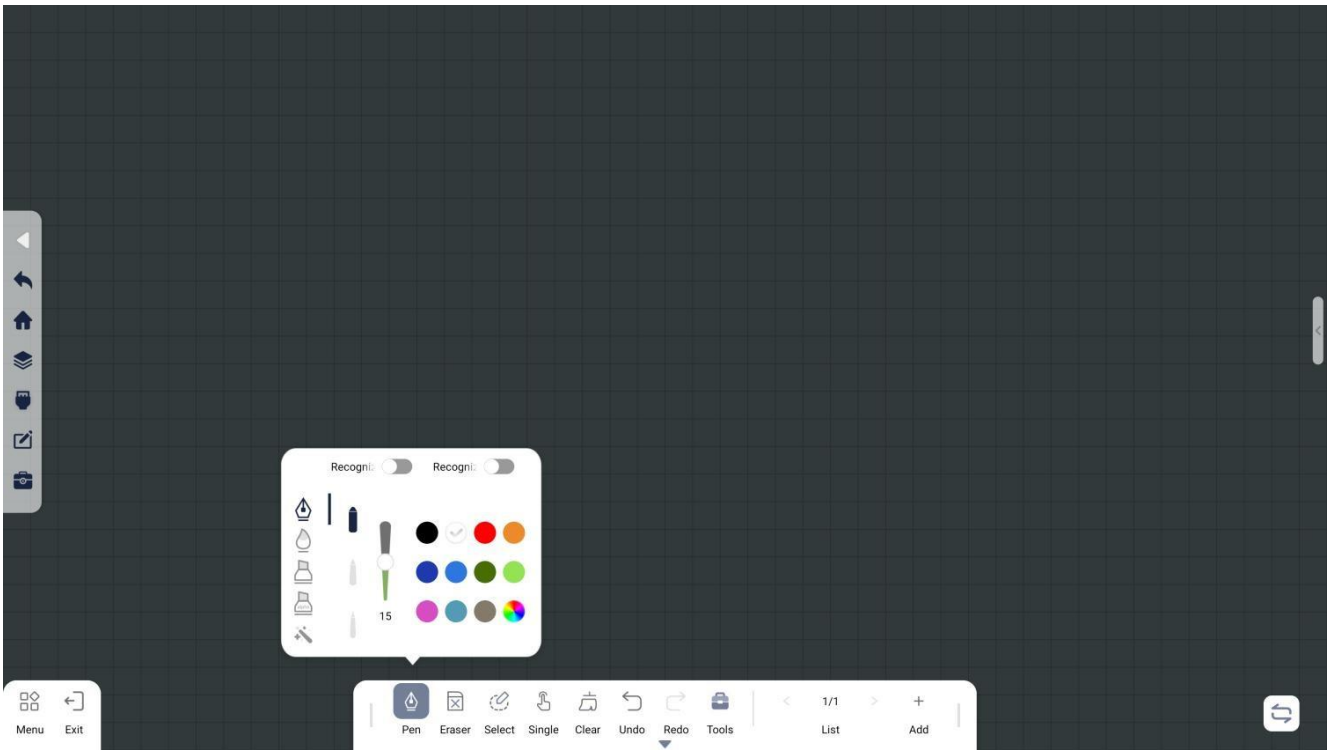


## ② Hiding Cursor

Use one finger to touch the button below to hide the bottom bar.




## ③ Pen



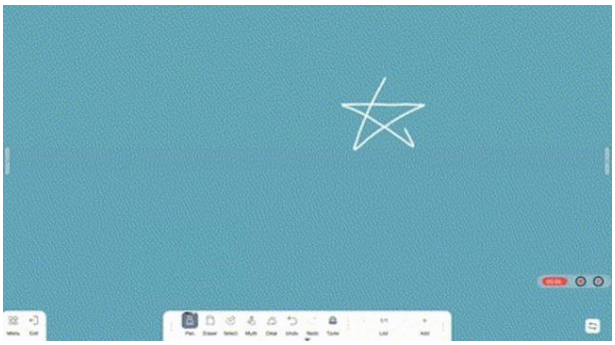

Support 4 pen shapes, from top to bottom are fountain pen, brush, normal pen, highlighter, and magic pen.

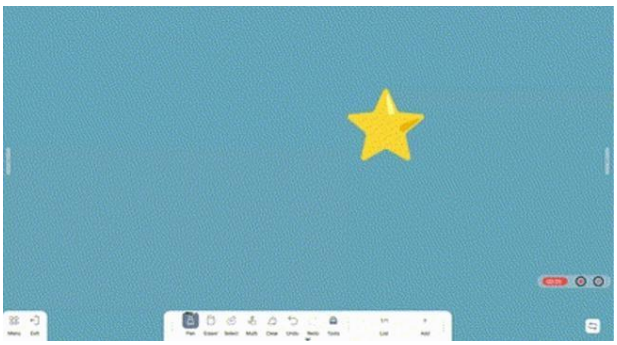
Fountain pen: hard handwriting, finishing with a brush stroke

Brush pen: Silky smooth handwriting, starting and ending with a brush stroke.

Regular pen: fastest writing without any modification of the line.

Highlighter: soft colors, transparent display, highlighting key points Magic Pen: transforms user drawings into responsive graphics





Adaptive Thick and Thin Pen Function: By recognizing the pen tip size of the large touch screen corresponds to the electronic pen of the display gear.

Shape Recognition: Turn on this function, the whiteboard can be automatically recognized as a 2D graphic according to the user's drawing of a single molding or multiple molding. This function supports the recognition of shapes including triangles, rectangles, trapezoids, circles, ovals. When the user does not need to recognize the two-dimensional graphics, you can use the circle erase or clear screen function to erase.

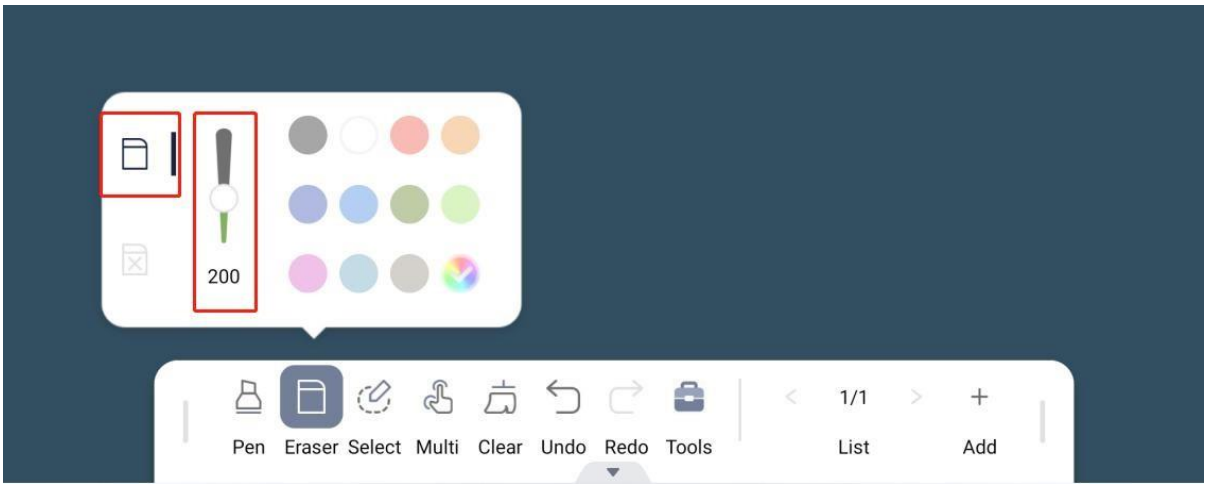
Handwriting recognition: open this function, the whiteboard recognizes the font shape of the large screen drawing line and will automatically convert this into text, can be recognized as the current system language and English. The first time you turn on this function, the machine needs to be connected to the network, automatically download the system set the language package. support language: Chinese, English, Korean, Japanese, Latin.

## ④ Eraser

Eraser Function

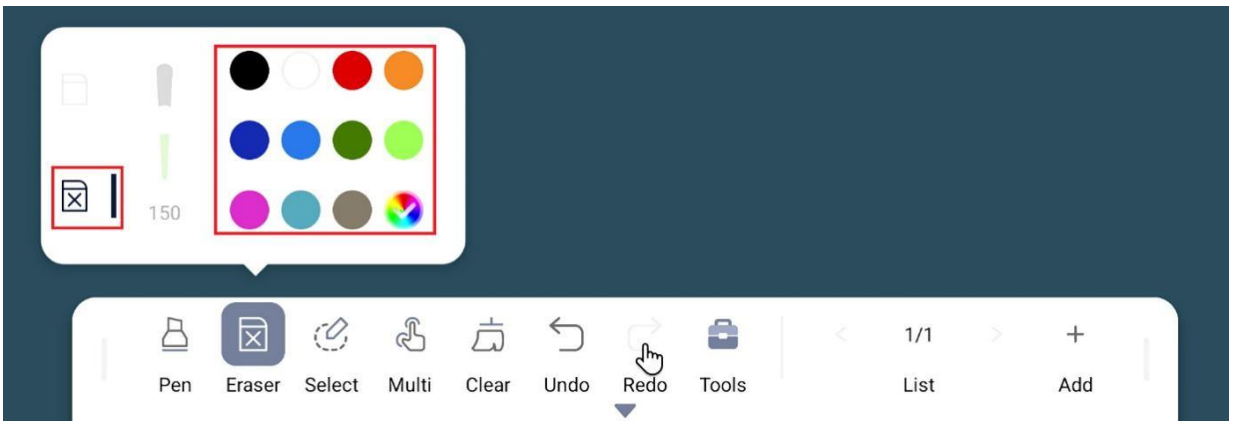
By checking the board eraser function, users can erase the drawing lines on the whiteboard, and the adjustment bar on the right side to adjust the eraser size will light up.

- Eraser thickness adjustment, used to adjust the size of the eraser, Support 100~350 units of adjustment.
- The board eraser function does not have a color palette, and by default all colors of drawn lines are erasable.
- The eraser function only erases drawing lines, not graphic tools, inserted pictures.
- Touching through the drawing lines, pictures, and graphic tools on the whiteboard can erase the corresponding content, or use the circle erase function to circle the object and similarly erase the content.




Circular Erase Function

By checking the Circle Sassafras function, the user can erase the drawing lines on the whiteboard and the right color adjustment dial will light up.




- Does not support the use of the thickness function, the default size adjustment bar is grayed out.
- Circle Erase selects full color erasable by default.
- Support specific to erase only specific color lines. For example, when you select Black Circle Erase to erase, only black lines will be erased, and other colors will be retained automatically.。

Back-of-hand eraser function

Users can also use the back of the hand to erase unnecessary lines by touching the drawing line when writing. The requirement for the back of the hand eraser is a minimum contact of 30mm (length and width), the larger the contact, the larger the eraser.

## ⑤ Select




Once the target is circled, you can rotate, copy, layer up, layer down, fix, move (omni-directional, horizontal, vertical), change color, and delete the target.

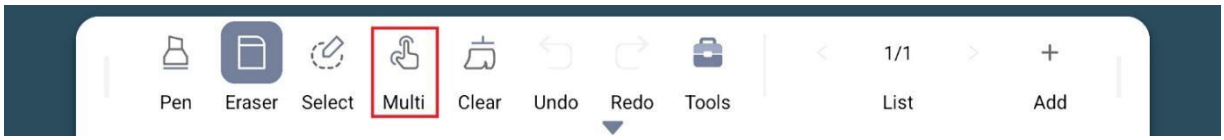
## ⑥ Multi points/single point

Users can switch Between single-finger and multi-finger line drawing.

- Single-touch state: when drawing lines, the large screen only supports one-finger touch to draw lines and other operations.




- Multi-point status: you can touch the big screen to draw lines at the same time, using two fingers to touch the big screen for the screen zoom function; three fingers to touch the roaming function, you can drag the big screen to move to.



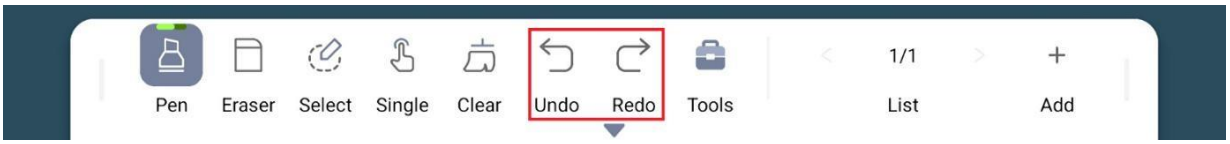

## ⑦ Clear

This function can clear all the contents of the current page, including handwriting, graphics, text, tables, guides, current page sticky notes, graphics and text converted by handwriting recognition can be cleared.

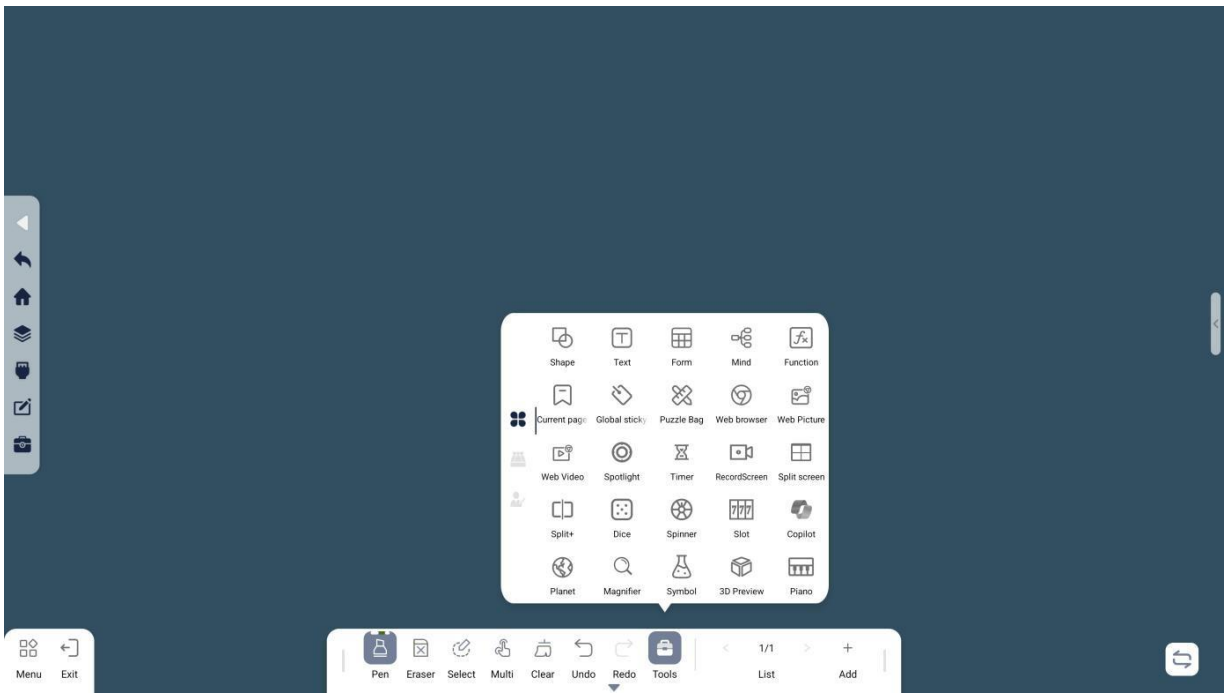
## ⑧ Undo/Restore

Undo the previous operation. If you clear the screen by mistake, you can use the undo

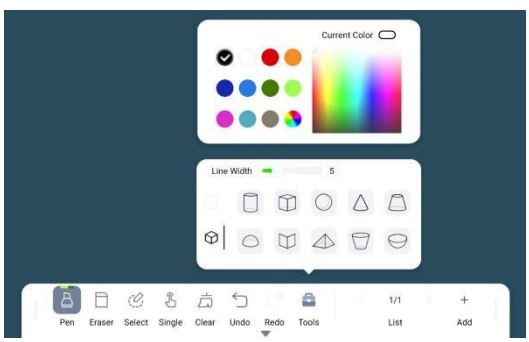
function to restore the contents before clearing the screen. Redoing the previous operation is equivalent to canceling the undo.




## ⑨ Tool Box




a. Shape




2D Graphics Tool ①:

After selecting the 2D Graphics Tool, you can select the 10 tools on the right, and touch the large screen to draw the corresponding tool.

You can draw the corresponding tool by touching the big screen.

With function ③ (Border Size Adjustment), you can adjust the border size of the graphic.

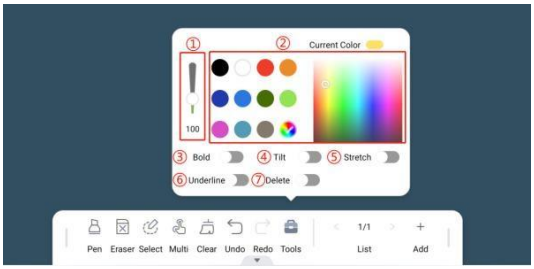
With function ④ (Color palette function), you can

change the color of the drawing.

Function ⑤ (Color Fill Function) to fill the inside of a 2D graphic with color.

## b. Text

Users can use the text tool to enter a standardized text, can be given through the following chart ① - ⑦ were given with the text of the various attributes.




Text Size: Supports 60-200 units of adjustment, which can be used to control the overall size of the text.

Color Selection: Provides eleven default colors to choose from as well as a custom color.

Bold: Text can be made bolder to make it stand out more

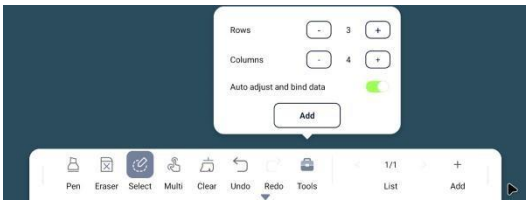
Skew: Text can be skewed.

Stretch: stretches the text

Underline: adds an underline to the text.

Strikethrough: Strikethrough text to make changes clearer.

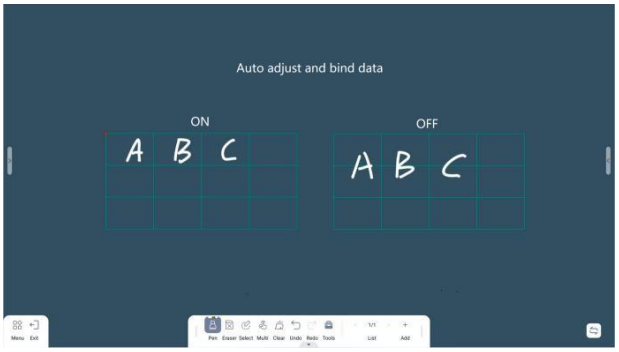
## c. Forms




Number of rows: Controls how many rows there are in the new form from 1-10, default 3.

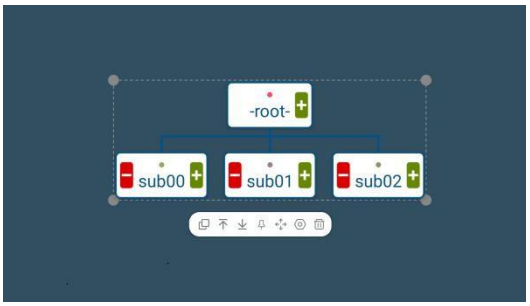
Columns: control how many columns of the new form can be controlled from 1-10, default 4

Auto-binding data: when turned on, the lines written in the form will be automatically bound to the form when you release your hand. And the user can distinguish whether the form has auto-binding data or not by a red arrow in the upper right corner of the form.






## d. Mind Map




Add/Delete: Click + on the right side of the table to add a new child node at the next level, and click - on the left side of the table to delete the node and its children.

Copy: Click on the buttons to copy the guides.

Toggle Layout: Click on the button to change the layout.




Layer Up/Down: Move the layers of the guide up or down.

Fixed: fixes the guide in a fixed position, cannot be moved.

Move: Control the direction of movement of the guide, Support omnidirectional, horizontal, vertical.

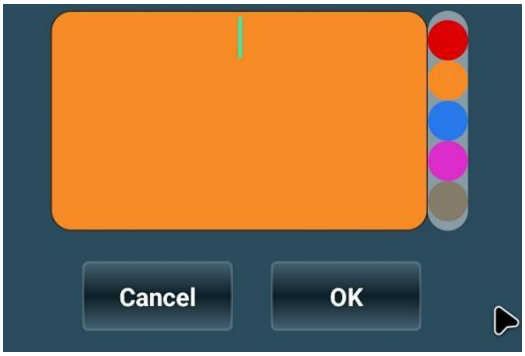
Switch Layout: Click the button to change the layout of the guide map.

Delete: Delete the mind map.

Edit node: double-click a node to edit the text.

## e. Current Page Notes

The current page note identifies what to focus on in the current page and is only displayed on the current whiteboard page. When the Clear Screen function is used, the sticky note is also cleared. Create a new Current Page Sticky Note, user can choose the color of the note and enter the text.

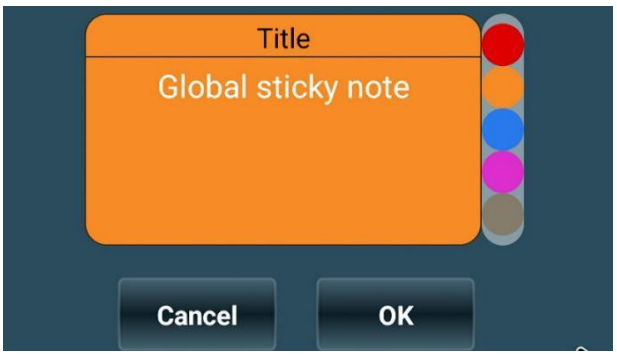






## f. Global Sticky Notes

Global Sticky Notes are sticky notes that can be displayed under all whiteboard pages and cannot be cleared by the board eraser. When you need to modify a sticky note, you can double-click the global sticky note to enter the edit mode for text editing, style modification, and deletion.

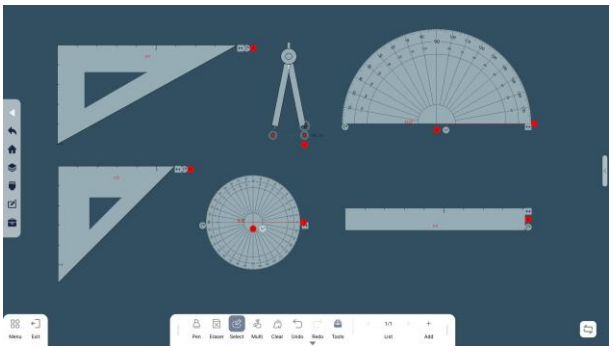


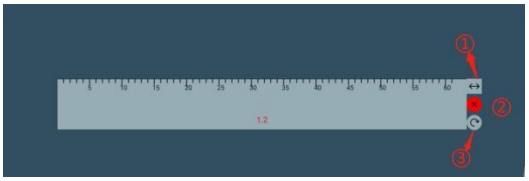



## g. Geometric shapes

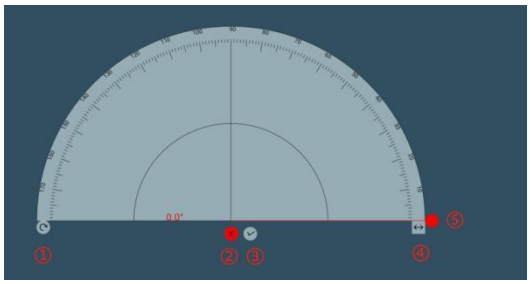
Whiteboard has 6 math tools, straightedge, half-circle ruler, full staff ruler, circle ruler, 45° triangle ruler, 60° triangle ruler.







Straightedge: write next to the side of the scale to write a straight line.

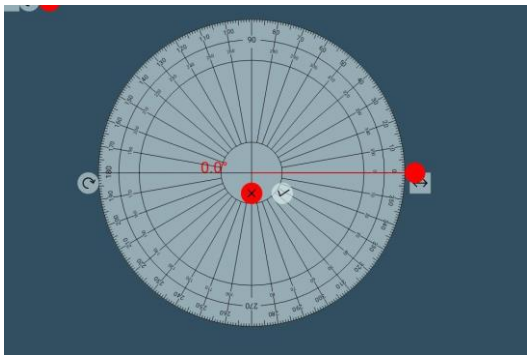


Length modification (①): drag to change the length of the straightedge.

Delete (②): Delete the ruler tool.
Rotation (③): Click and drag to change the angle of the ruler.
Angle Ruler: You can measure the corresponding

angle by adjusting the red buoy, and the angle is

displayed in real time.



a) Rotation (①): Click and drag to change the angle of placement of the angle ruler.

b) Delete (②): Delete the Angle Ruler tool.

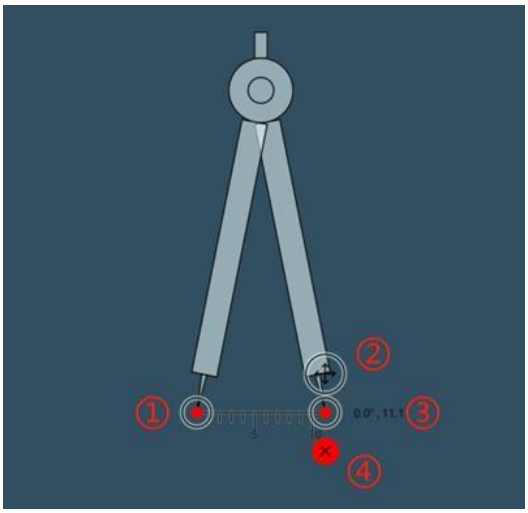
c) Drawing a line (③): by dragging the angle formed

by ⑤, you can use the click function ③ to draw a

line to the whiteboard

d) Size modification (④): Drag to change the size of the angle ruler.

e) Adjusting the angle (⑤): Drag and drop the desired angle size.

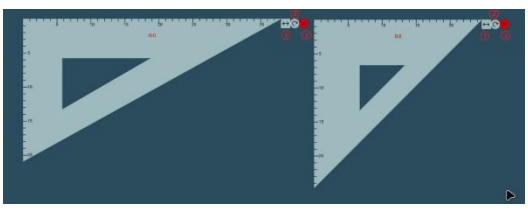


Circular Gauge: You can measure the corresponding

angle by adjusting the red buoy, and the angle is

displayed in real time.

Origin (①): draw a circle around the point.
Attribute Adjustment (②): Click on the point and move to change the radius of the circle and the angle with the horizontal line.
Draw Line (③): Click on the point and move to draw a circle.
Delete (④): Delete the gauge tool.



45° triangle ruler/60° triangle ruler: write next to the side of the scale to write a straight line.

Length modification (①): Drag and drop to change the length of the ruler.

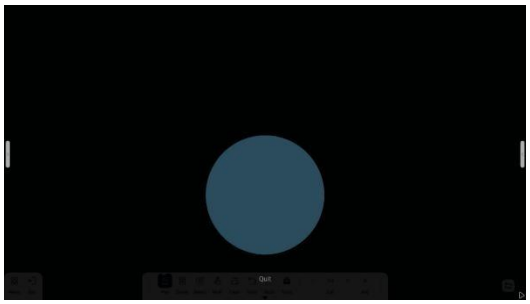
Rotate (②): Click and drag to change the angle of the ruler.

Delete (③): Delete the ruler tool

## h. Microbrowser/Microbrowser-Photos/Microbrowser-Videos

Annotate: Brush and erase within the Support small window.
Back: Click to go back to the previous page。
Forward: Click to go forward to the previous page.
Refresh: Click to refresh the current page
Home: Return to browser home page
URL: Click to display the current page URL
Screenshot: Screenshot the current page to the whiteboard
Close: Close the microbrowser
Zoom: Resize the window.

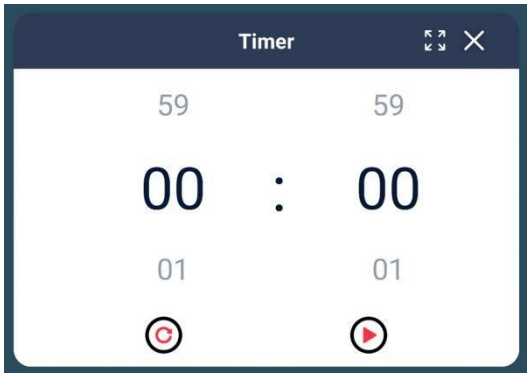
## i. Spotlight



With the Spotlight feature, users can drag and drop to form a highlighted circle at any position and drag the position at will to attract the reader's attention. Click on the Exit text directly below to exit the spotlight mode.

## j. Timer



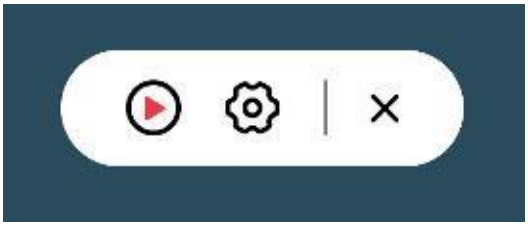




The timer can be displayed in transparent window/full screen. By default, a transparent window is displayed, or the full screen display can be opened by clicking the full screen button in the upper right corner. When displaying in full screen, click the Exit button at the bottom to close the full screen display and enter the widget mode. Transparent window mode display is centered in the middle of the screen by default, users can drag and drop to adjust the position according to their

habits.

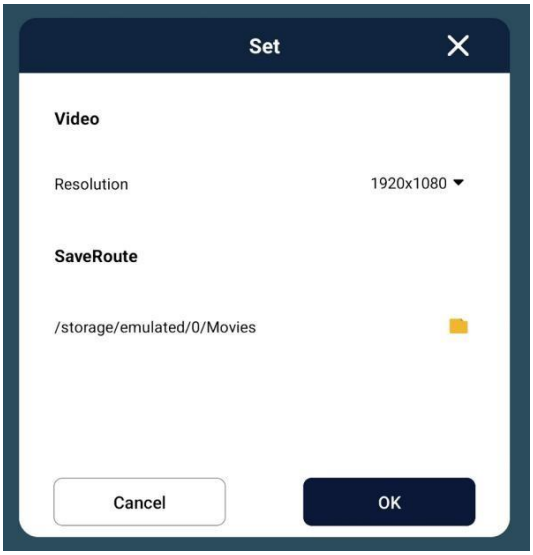
Function: Users can drag the time bar to select the desired time and click the button below to start the timer. Or click the button below to pause the timer or reset the timer. Close: Click the close button in the upper right corner to close the timer function.

## k. Screen Recording



Display: The timer can be displayed in widget mode, the default is in the right corner of the screen, users can drag and drop to adjust the position according to their habits.

Close: When not recording, users can click the close button on the right side to close the screen recording function. When recording, users can click Stop Recording to close the function.

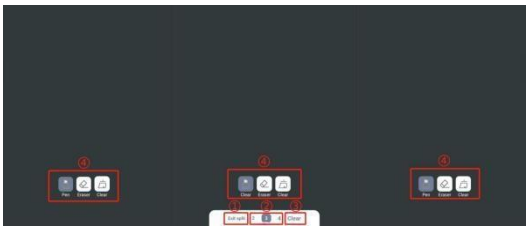



Settings: Users can change the resolution and save path of screen recording video in the settings.

Function: When screen recording is on, users can choose to pause recording, continue to start recording or stop recording. After stopping recording, the video is saved to the preset path recording screen off.

## 1. Split Screen

The Split Screen function evenly divides the entire large screen into 2-4 independent small sub-screens, Support multiple users to use the large screen at the same time to carry out simple operations (writing, erasing and clearing the screen). The operations between each split-screen are independent of each other, you can switch the number of split-screen and set the default number of split-screen in real time, and the data is cleared after exiting the Lite Split-Screen.



Exit (①): Exit the split screen mode and go back to the homepage of the whiteboard.

Switch the number of split screen (②): Click the corresponding number to switch to the corresponding number of split screen. This function supports 2-4 split screens.

Clear Screen (③): Click Clear Screen to clear all the contents of the split screen.

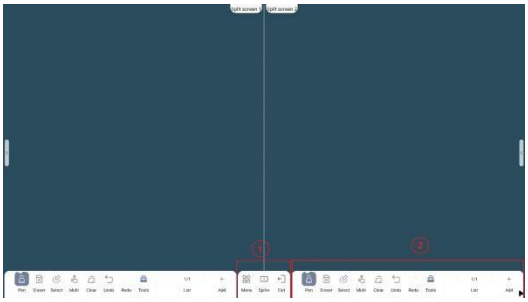
Split Screen Toolbar (④): Each split screen has its own toolbar, Support Brush, Eraser, Clean Current Split Screen. Operate independently without affecting each other.

## m. Split Screen

Split screen +, is in the split screen situation to retain full functionality, up to Support2 split screen, and both sides of the whiteboard independent operation, do not affect each other. For example, when one side of the whiteboard, clear screen, withdraw, restore and other functions, the other side of the whiteboard is not affected by the function, can still write normally.

The difference with Split+ is that Split+ can support 2~4 splits, while Split+ can only support 2 splits; in addition, Lite Split can only use the simplest functions, such as simple writing, erasing, and clearing operations.

Global Toolbar (①): Use the functions in the global toolbar to affect all split screen.

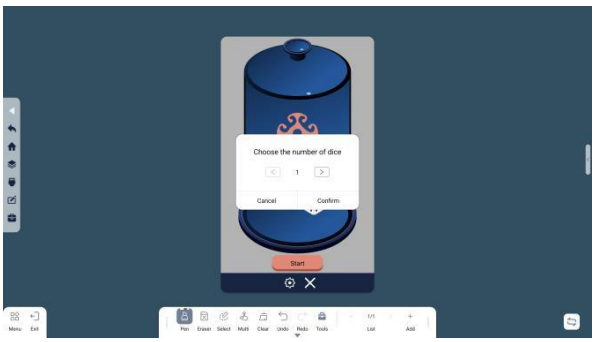


Split Screen Toolbar (②): Each slice has its own toolbar, Support Brush, Eraser, Cleanup Current Split Screen. Independent operation, do not affect each other

## n. Dice

Users can use this function to simulate the realization of electronic dice shaking on the big screen, through the setting menu can be shaken at the same time the maximum of six dice.

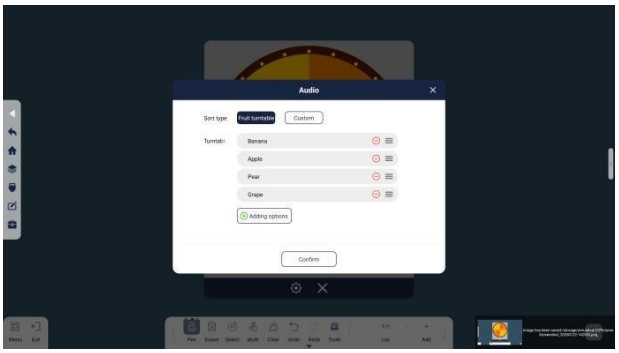



## o. Turntables

Users can use this function to simulate the realization of electronic spinning carousel on the big screen, default fruit carousel. Users can also customize their own carousel content through the settings menu.

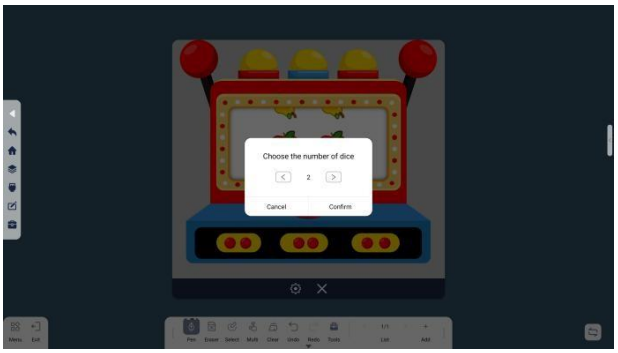


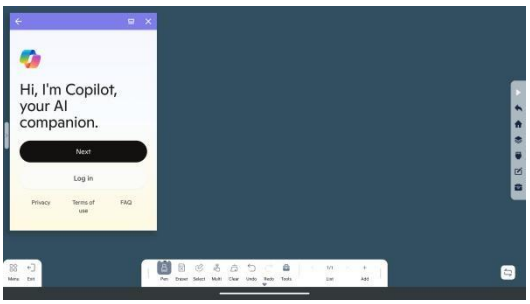
## p. Slot Machine

Users can use this feature to simulate the implementation of electronic slots on a large screen, the default 2 columns, up to Support3 columns.




## q. Copilot




Support users turn on Copilot, an artificial intelligence partner, to increase productivity and creativity. Achieve more with AI tools for writing, designing, searching, and decision-making Support.

## r. Earth



Users can browse 3D Earth screen or 2D Earth screen, or take screenshots to insert into whiteboard or set as background.

When locked, the user can write; when unlocked, the user can scroll the earth freely.

## r. Magnifiers

Support users to locally magnify the screen, Support maximum magnification of 4.0 times.

## s. Symbols



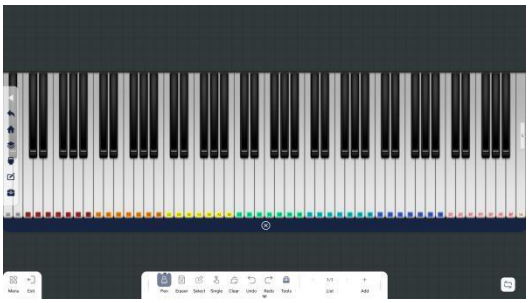

Support 3 subjects with 10 physics symbols, 16 chemistry symbols and 9 biology symbols.

## t. 3D Image



Support to open 3D images with various endings, e.g. obj, stl, dae, gltf, etc.

## u. Piano



Simulates a real piano and displays an electronic version of the piano on a large screen where users can learn the piano and play it.

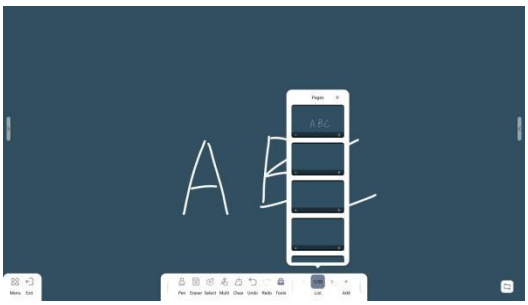
## ⑩ Whiteboard Page Management

Switch Pages: This function is available when the number of whiteboard pages is ≥ 2. Click the left arrow < to switch to the previous whiteboard page of the current whiteboard page, click the right arrow > to switch to the next whiteboard page of the current whiteboard page.

Add Page: Click Add to add a new page of blank whiteboard pages.

Preview: Click List Info to see all pages in the preview window



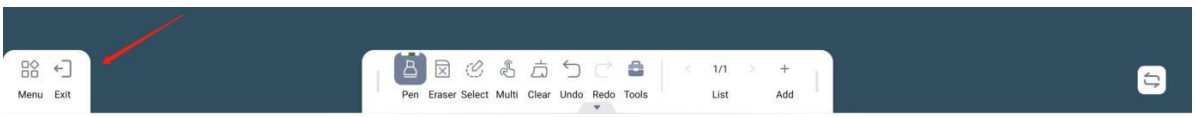
Delete: Inside the preview window, you can delete a page from the page list by clicking the Delete button in the small right corner of the page. The deleted page will be put into the page recycle bin, users can choose to delete it completely in the page recycle bin by emptying the recycle bin or by clicking the delete button on the right corner of the page.

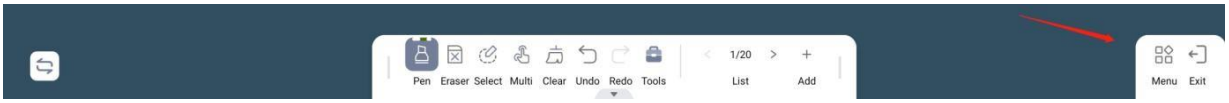
Restore: Enter the Page Recycle Bin, click the Restore button at the bottom left corner of the page to restore a page to the page list.

## ( II ) Sidebar Tools

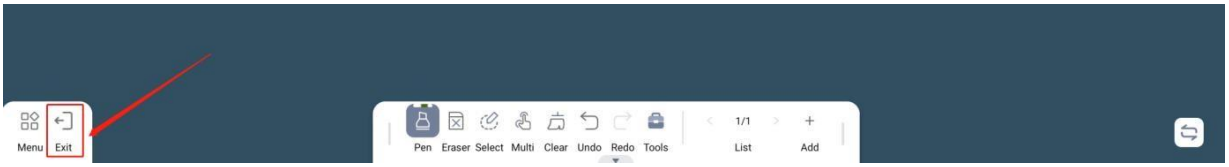
### ① Swap Button

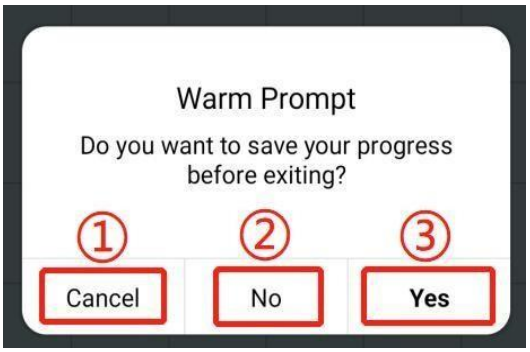
When you click the button , the sidebar of the whiteboard will change to the opposite position. The position changes as shown below.






## ② Exit Button

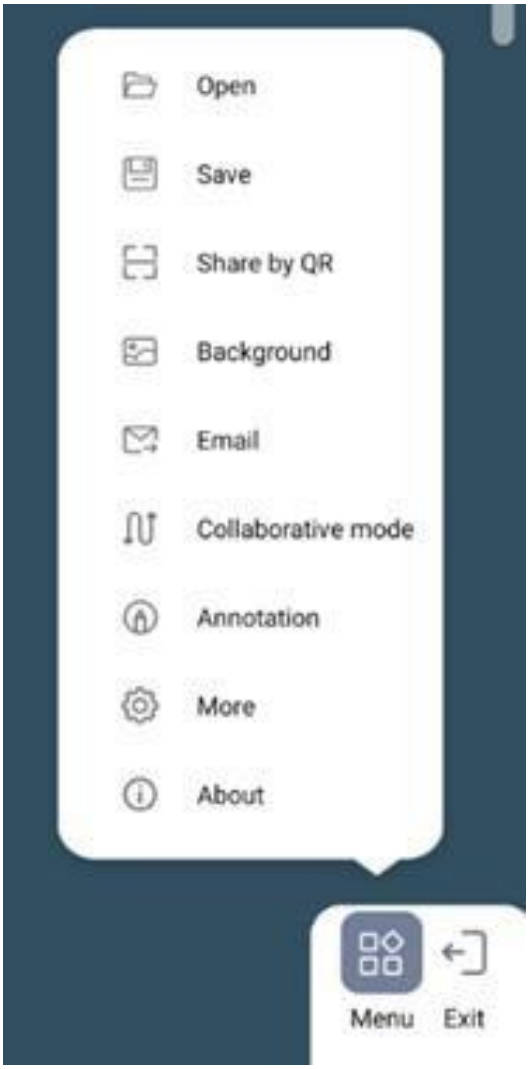



Cancel: Cancel the exit from the whiteboard
No Save: Exit the whiteboard without saving its contents.

Save: Exit the whiteboard and save the whiteboard contents.

## ③ Menu




Open: This feature supports users who are looking for a file to open or import to the whiteboard in the following pages.

Save: This function allows users to save the contents of the current whiteboard as a file to a specified location.

Share by QR: This feature supports the sharing of whiteboard content to external devices (e.g., cell phones, tablets) using QR codes while connected to the Internet.

Background: Users can customize the whiteboard background by selecting the built-in background or customizing their preferences.

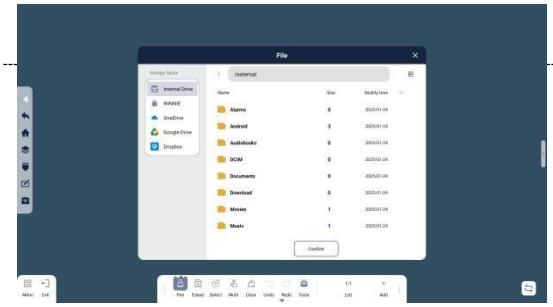
Email: This feature supports the sharing of version content via email.

Collaborative mode: Collaborative Mode supports two devices on the same LAN to collaborate and interact and achieve synchronized writing effects.

Annotation: A shortcut to the user exits the whiteboard and opens the annotations.

More: More on whiteboards included here.

About: You can view the version number of the acceleration library and the version number of the whiteboard.



Browse by category: All, WBF, Images, SVG, PDF, Audio/Video, Models.

Support source: Support import format has the internal storage of the whole machine, access to

the storage device of the whole machine (USB, hard disk) Onedrive、 GoogleDrive、 Dropbox。

Browse Format: Toggle the display style, Support list display and Grid display.

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File name (①): Support user-defined name
File type (②/③): Support image format / data format image format
② JPG\JPEG: Support very high compression rate, fast download speed PNG: small size, lossless compression PDF: Use the document format to maintain, not easy to be arbitrarily modified data format
③ WBF, SVG, IWB
(Note: IWB format only Support export, not Support import)
This format saves the original data, and the contents of the whiteboard can still be edited again by opening a file in this type of format.
Save path (④): Support storage path including built-in storage, external storage, and network disk.
Customized saving content (⑤): Users can check the content to be saved for selective storage.
Save (⑥): Save the file with the above settings.

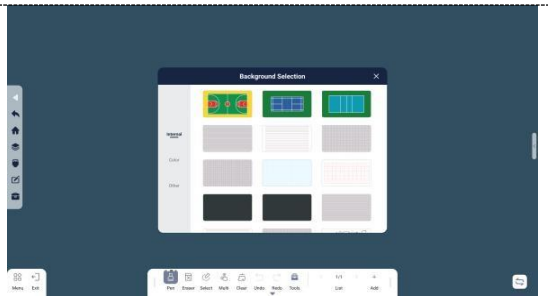
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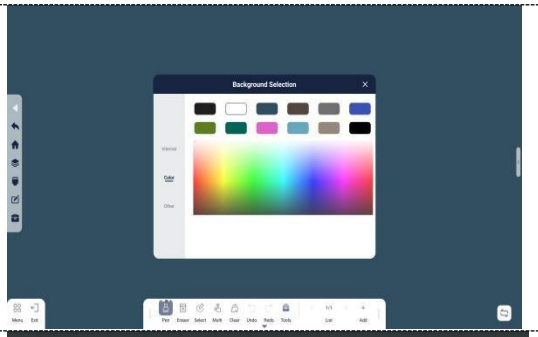

LAN sharing: When the user device and the big screen are in the same LAN, use the device to scan the QR code of the big screen, you can get the content on the whiteboard of the big screen.
WAN sharing: When the user's device and the big screen are not in the same LAN, use the device to scan the QR code of the big screen, you can get the content on the whiteboard of the big screen.

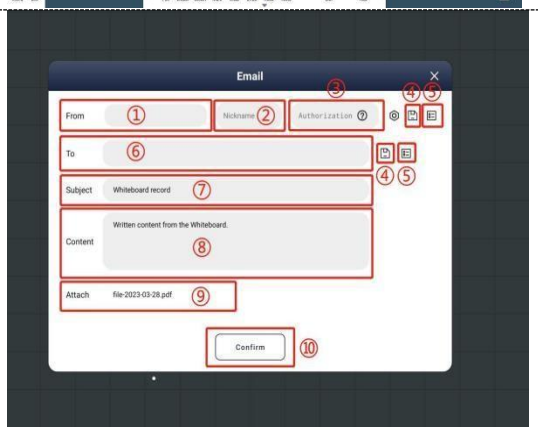



Encrypted Sharing: When users check this option, a password setting box will pop up on the big screen. When the password is set successfully, other devices scanning the QR code will need to enter the same password for verification to access the whiteboard content.
Support zooms in on the shared QR code, and users can click on the '+' sign in the center of the QR code to zoom in on the display.




Built-in Backgrounds: Users can select from 22 built-in meeting and teaching backgrounds.
Color backgrounds: Users can set solid backgrounds and customize colors in the color palette.
Other backgrounds: Users can import images from the machine's storage, external USB flash drives and network drives as backgrounds.




Sender's Email/Name (①/②): Enter the sender's email/name here.
Authorization Code (③): Enter the authorization code of sender's mailbox here Saving Sender Information (④): Click to save the sender's information.
Quick mailbox account (⑤): Here, users can select sender/recipient information quickly.
Recipient Email Account (⑥): Enter the recipient's email address here.
Subject/Content/Attachment (⑦/⑧/⑨): Enter the subject/content/attachment here.
Confirm (⑩): Send the e-mail

One device (master) to control another device (slave), in collaborative mode, Support three interactive functions:

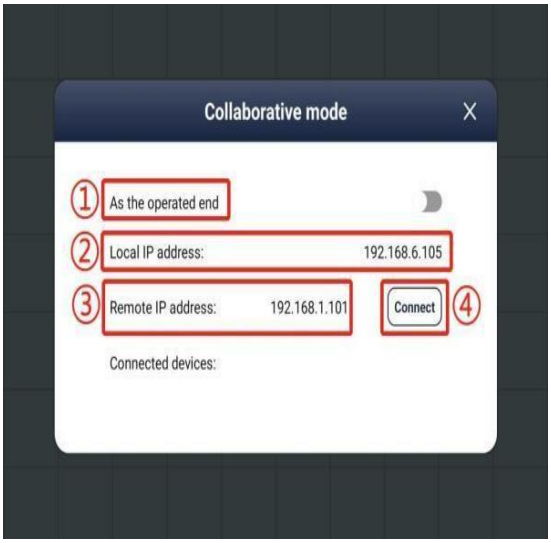
Synchronize the touch data of the whiteboard canvas to the (slave) device, or control the (slave) device to clear the lines on the whiteboard.



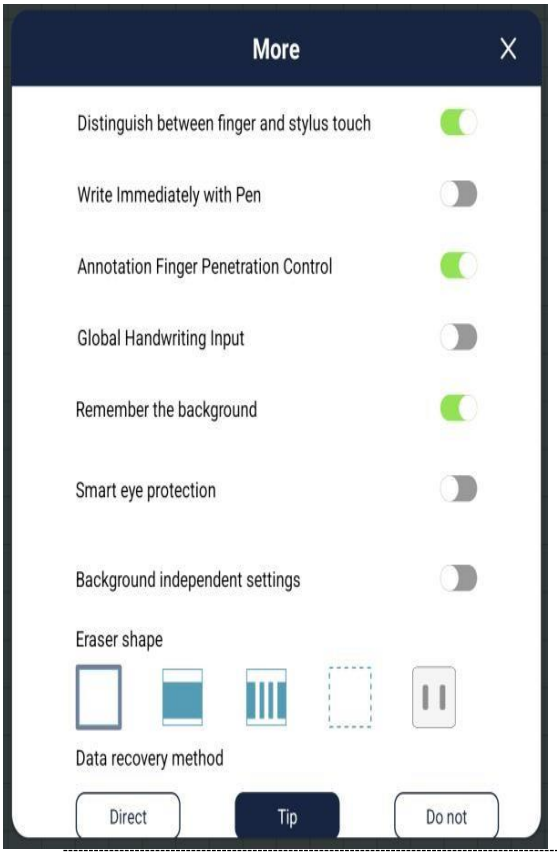

Writing: The writing data of the master device can be transmitted to the slave device in real time, and the slave device can choose to synchronize the writing according to the current writing situation. After synchronized operation, the slave device can display the same content as the master device.
Screen clearing: The master device can control the slave device to clear the screen, while the master device does not clear the screen.
Manual Synchronization: The master's writing configuration (size, color, and input mode) can be synchronized to the slave's settings when the slave




turns on the “Allow Remote Operation” setting.
Synchronization Mode Procedure:
Ensure that Device A is on the same LAN as Device B
Device A opens the Create service
Device A’s ’As operated’ setting is turned on, allowing Device A to act as a slave.
Device B’s ’As operated’ setting is turned off, so that Device B can act as the master device.
On the Join screen of Device B, enter the IP address of Device A and click the Connect button.
When the connection is successful, the bottom of the page will show the connected device: XXXXXX (name of device A).



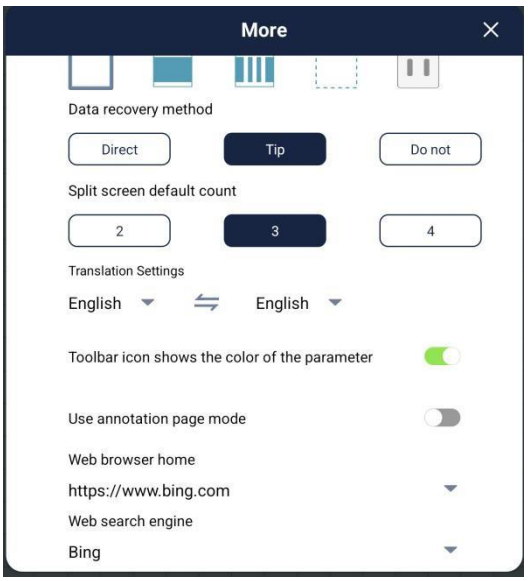

As the operated terminal (①): when the main switch is turned on, the drawing lines of the connected devices will be synchronized to this device.
Local IP address (②): Display the network IP address of this device.
Remote IP address (③): Enter the remote IP address of the host device that created the service.
Remote IP address (③): Enter the remote IP address of the host device that created the service.




Distinguish between finger and stylus touch: Whether to differentiate between finger and pen parameters for writing based on different contact areas with the screen.

Write Immediately with Pen: Outside of the whiteboard, annotations written with a pen on the large screen can be called up immediately.

Annotation Finger Penetration Control: Under annotations, use a thin pen to write and a thick pen to control large screen interactions. Global handwriting input Global Handwriting Input: Use the fine pen to write anywhere on the big screen, and the thick pen to control the interaction with the big screen.




Remember the background : Whether or not to remember the last set background (effective even when the power is turned off).

Smart eye protection : Whether to switch to a display mode that is more friendly to both eyes.

Background independent settings: With the option on, users can set backgrounds for different pages separately without synchronizing with each other. If the option is off, the replacement of the background of one page will be synchronized to all pages.

Eraser shape: Different eraser patterns can be selected.

Data recovery method: Different data recovery methods can be selected, the Support Direct Recovery /Inquiry /No Recovery.




Split screen default count: You can choose the default number of split screens in Lite Split mode, and you can set 2, 3, or 4 translation settings.

Translation Settings: Interpretation languages can be set.

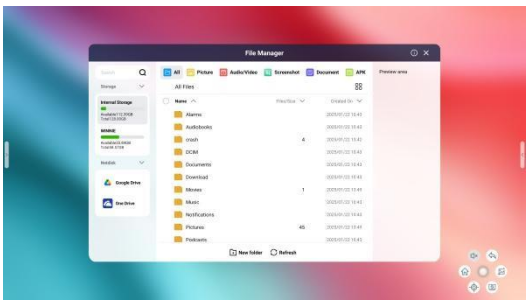
Toolbar icon shows the color of the parameter: Whether or not to display the thick and thin pen color settings of the bottom toolbar brushes.

Use annotation page mode: Whether to let annotation Support multi-page mode

Web browser home: you can modify the home page of the tool - microbrowser

Web search engine: you can modify the search engine of the tool-microbrowser.

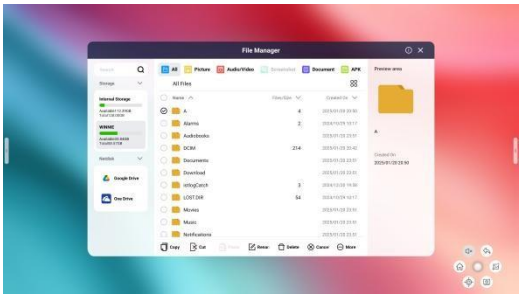
# V. File Manager Features



File ManagerSupport displays the entire internal storage files, external access storage device files, Google drive web drive, and One drive web drive.

File search: enter a keyword, you can search all the files with the keyword in the current folder.

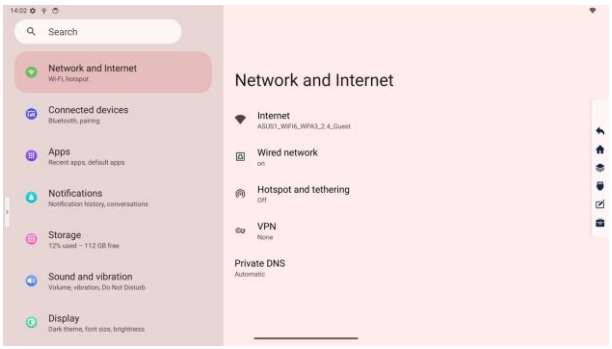
File Sorting: Sort files or folders according to certain rules (name, size, time), users can also select categories to be displayed individually (pictures, audio/video, screenshots, documents, APK).

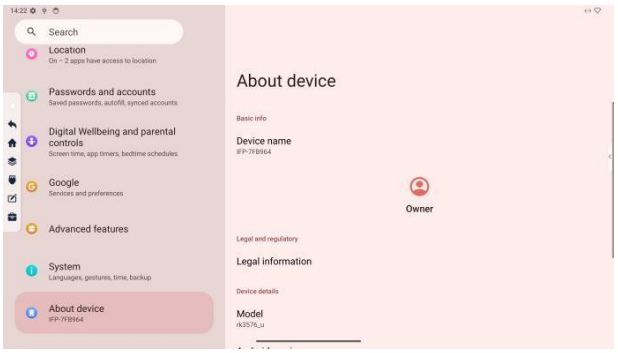


File Display: Files can be displayed in list or grid format, list format can display name, size and date, grid format only displays the name. File operations: Long press on a file to preview, copy, cut, paste, rename, delete, deselect, share and create desktop shortcuts.

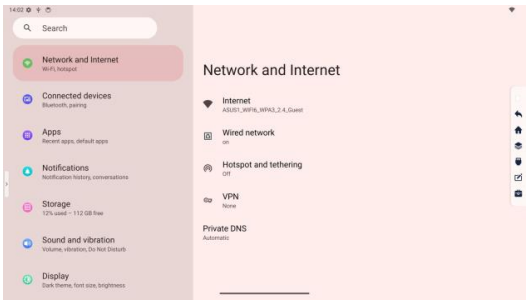
File sharing: connect your phone and big screen to the same LAN, select the files you need to share, click share, scan the QR code and then download and browse the files according to the prompts; file sharing is also Supported by Bluetooth and email.

# VI. Setup Menu Functions

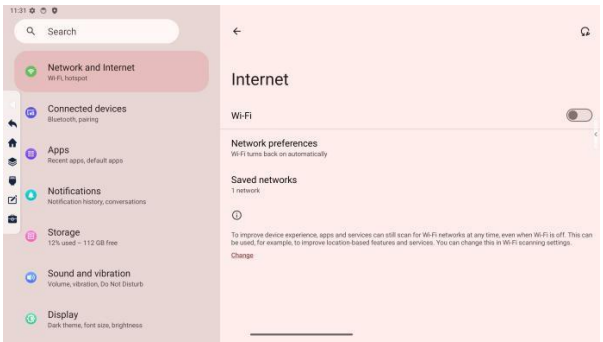


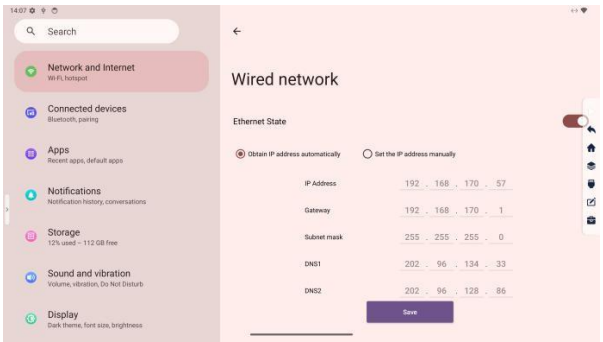




## ( I ) Internet

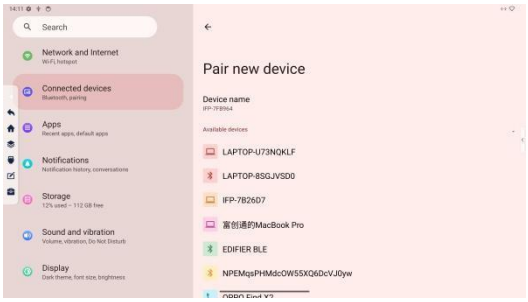



Support wireless network connection, wired network connection, hotspot and network sharing, VPN function.



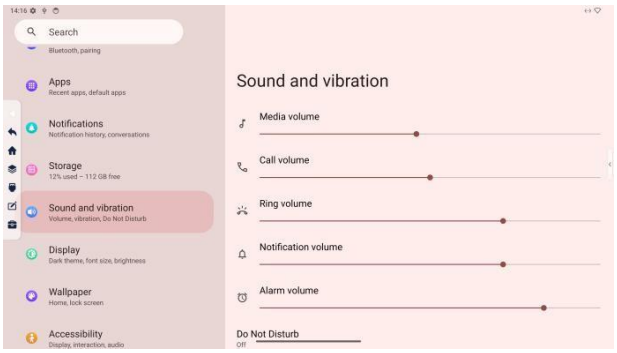



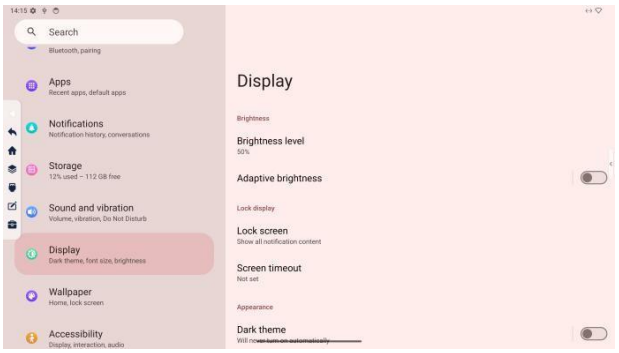
## ( II ) Connected devices




Support other devices to connect to the machine via Bluetooth for operation and interaction, such as file transfer, etc.

## ( III ) Sound and vibration/display

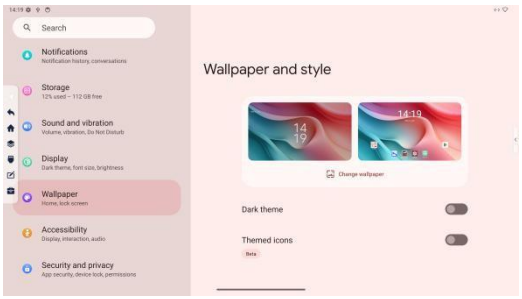



Sound and VibrationSupport users to adjust the volume of each part separately, such as audio, prompts, alarms and so on.

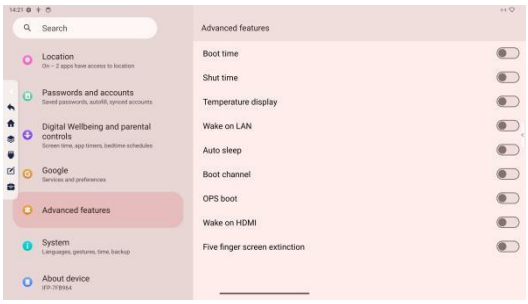
DisplaySupport users to adjust large screen brightness, select adaptive brightness, lock screen display, screen timeout, screensaver, HDMI display settings.

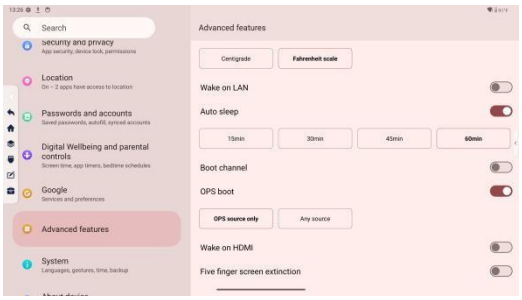
## IV. Wallpapers




Support network to choose more wallpapers or externally import user-defined wallpapers, choose dark mode and change theme icon.

# V. Advanced Features




Power on/off time: Support the whole machine to automatically power on/off at the set time.

Temperature display: Support temperature display in the upper right corner of the whole unit, Support Celsius / Fahrenheit degrees.

Wake on Network: The big screen is in the same LAN with Windows computer, you can use Windows computer to wake up the big screen in standby mode.

Automatic hibernation: Under the signal source channel, if there is no signal source for a long time and no operation of the machine, the big screen will automatically enter standby.

Boot Channel: Support to set the whole machine to boot directly into channel or Android.

OPS Boot: Used to set OPS boot function, system default is off.

HDMI Wake Up: Using HDMI signal source, you can wake up the big screen in standby mode.

Five Finger Screen Off: When five fingers touch the big screen at the same time, the big screen can quickly enter the screen off.

Wake-on-LAN operation:

1. The big screen needs to be turned on to turn on the network wake-up function
2. The screen is connected to a wired network
3. The Windows computer is on the same LAN as the big screen.

4. The Windows computer uses the Wake on LAN tool to search for the IP address and MAC address of the big screen.

5. Manually put the screen into standby mode.

6. Finally, use the Wake on LAN tool on your Windows computer to wake up the big screen and turn it on.

Note: When this function is turned on, it will increase the standby power consumption of the big screen.

OPS Startup: When this function is turned on, the system will determine whether the OPS is automatically turned on or not when the big screen is turned on.

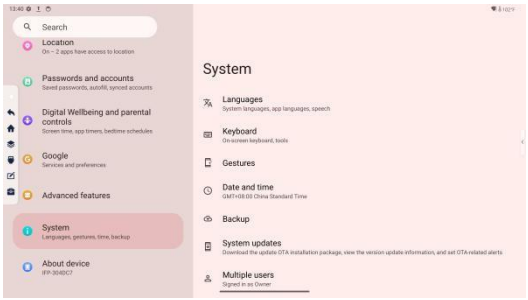
1. only OPS channel definition: when OPS start channel is under OPS channel, then OPS will start when the big screen is turned on; on the contrary, if the big screen start channel is not OPS channel, then OPS will not be turned on automatically. 2. any channel definition: when this function is turned on, it will increase the standby power consumption of big screen.

2. any channel definition: when the big screen is turned on, no matter in any channel, OPS will be turned on automatically.

**HDMI Wake Up function operation mode**:

1. Put the big screen in standby mode.
2. Connect an active HDMI cable to the HDMI IN port of the big screen to wake up the big screen.

# VI. System



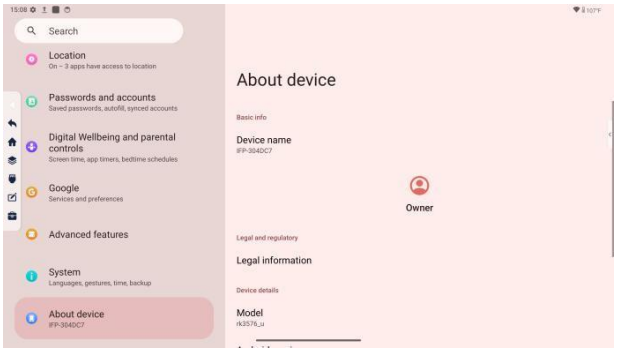

Support changing whole system language, input method, browsing gestures, date and time, backup, system update, user and restore factory settings.

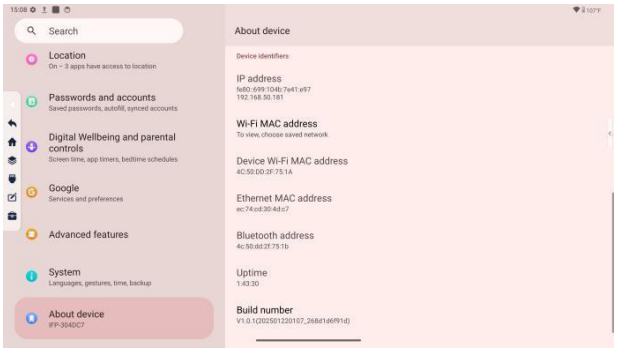
# VII. About Device

Support view to change device name, view device information, view IP address, MAC address, boot time,

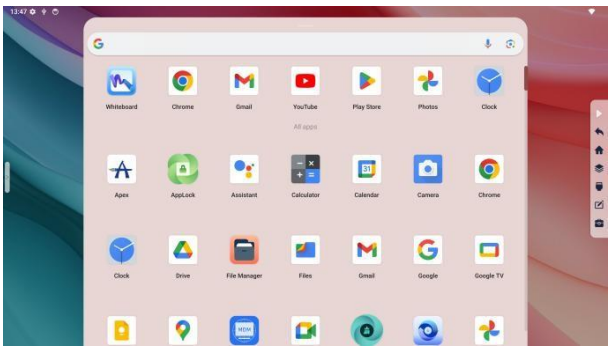
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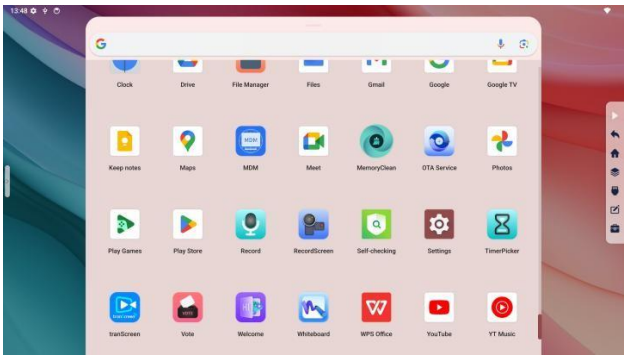
firmware version.



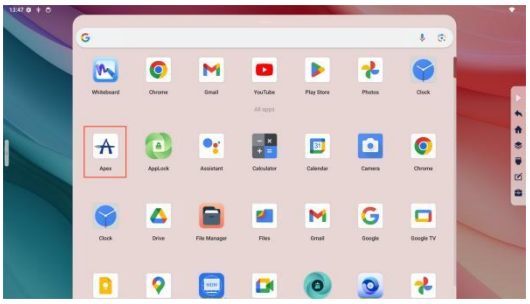




## VIII. APPS





### ( I ) Apex



Apex is an online cloud whiteboard that Supports the creation of online collaborative rooms, Supports multi-person online collaborative interactions, and breaks down the barriers to information transfer between teachers and students in online meetings or teaching scenarios.
This app applies to the three whiteboard/class preparation/lecture use scenarios, Support import PPT, PDF and other types of courseware for lectures, Support cloud sharing, multi-person collaboration. Files can be stored in the courseware library in the cloud, easy to open and use anytime and anywhere!

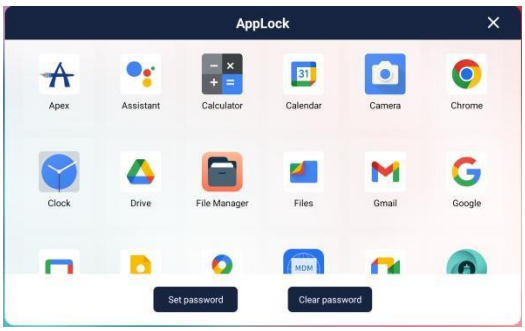


Commonly used tools - left toolbar: Paintbrush Tool, Laser Pointer Tool, Eraser Tool, Selection Tool, Polygon Tool, Text Tool, Material Tool, Panning Tool, Clear Screen Tool, Frame Tool, Toolbox.

Menu Toolbar: Login, Open File, Save, Export, Help Center, Switch Language, Background Color.

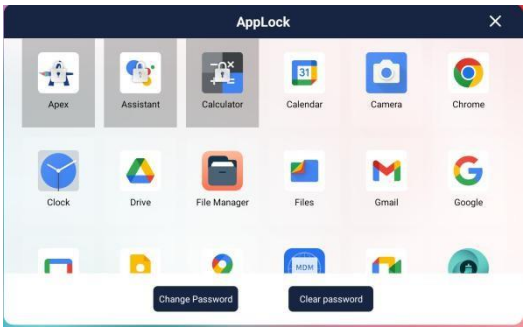
## ( Ⅱ ) Apps Lock

Used to set the lock permission to the application, when the application is locked, after opening the locked application, you need to enter the application lock password and enter the correct password to enter the locked application interface.




Usage:

- Setting a four-digit password。
- Select Set password of locked apps by clicking on the apps, a small lock will be shown on the selected app icon.

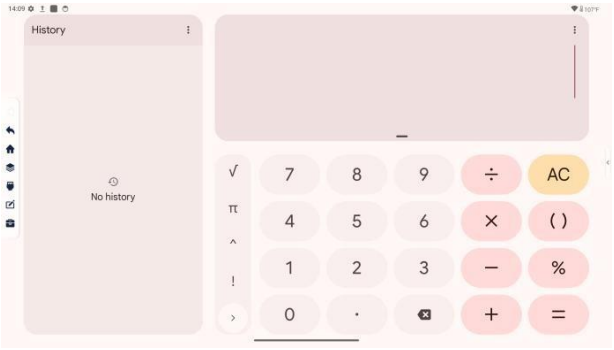



- To change your password, you need to re-enter your current password and enter the new password twice.

  Confirmation of changes.
- When there is no need to apply the lock, you can enter the password via the clear password function. Current password to cancel app lock。

## ( Ⅲ ) Calculator

Calculator supports simple arithmetic and calculation history saving.

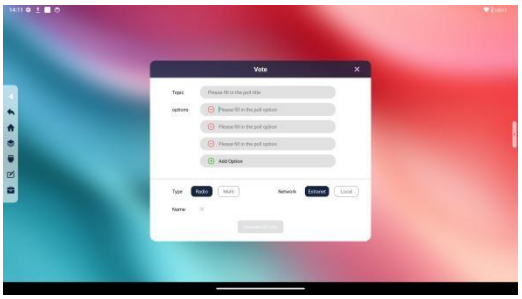






# ( IV ) Vote

Voting machines reflect the public will and are an effective way of practicing democracy, helping teams make decisions on major issues.

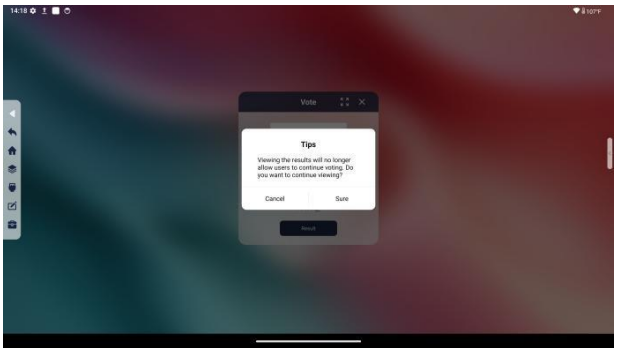


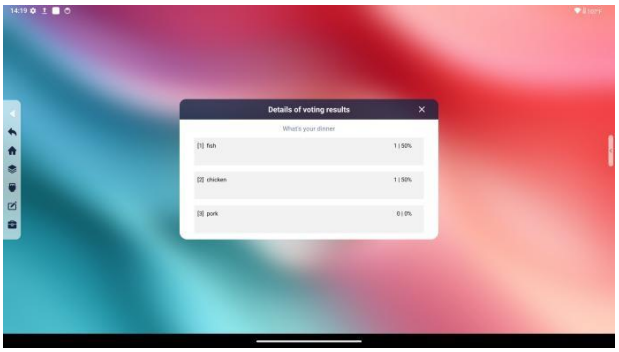


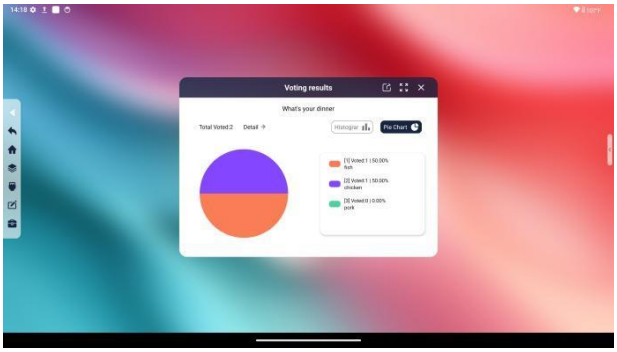
Poll Setup Steps
Poll theme/option (required): you need to write down the theme of the poll, and at least 2 poll options.
Option type: set up the voting option is single or multiple choice
Network: The network is divided into external network and internal and external network, when choosing external network, the big screen and the voters can not be in the same LAN; when choosing internal network, the big screen and the voters should be in the same LAN.
Voter's name: When this item is checked, the voter can fill in his/her name in the answer sheet. Generate QR Code: After setting the above contents, click 'Generate QR Code' and the big screen will display the QR code and update the voting status in real time. When the QR code is too small, you can click the zoom button to enlarge the QR code.

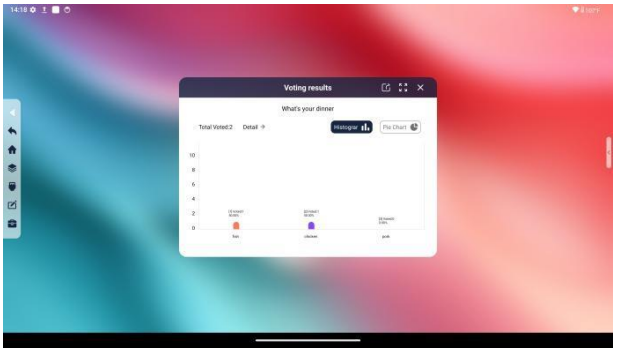
Participating Voter Operation Procedure:
1. Participating voters use their cell phones to scan and vote.
2. Check the box to vote
3. Click the 'Vote' button.

Click on the 'View Results' button on the big screen, which will pop up a box asking whether to close the poll or not. Polling is paused while the poll is being viewed. The voting results will be analyzed and presented as a bar chart or pie chart, or the user can view only the voting details. Polling results Support is inserted into the whiteboard or zoomed to full screen view.

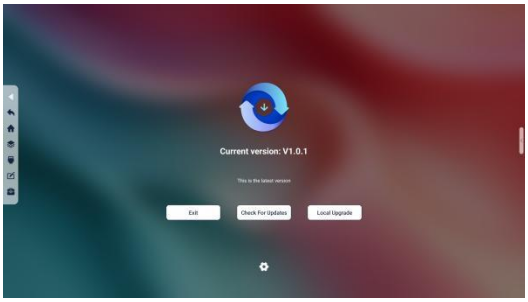



## ( V ) OTA



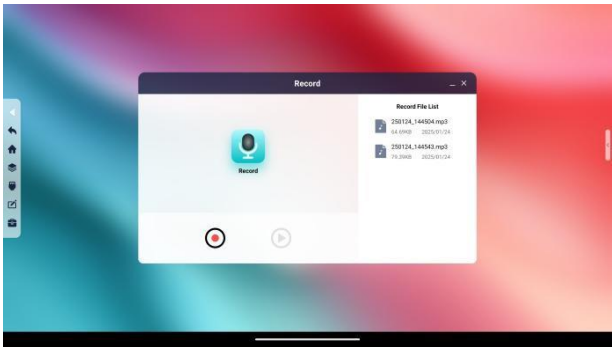

OTA function supports users to upgrade the system firmware, users can upgrade through the network or through the local U disk. During the upgrade period, the whole machine cannot be operated or powered off. Through the settings, users can choose to automatically detect the update when the system is turned on, automatically detect the update when the system is turned off, and automatically install the function.

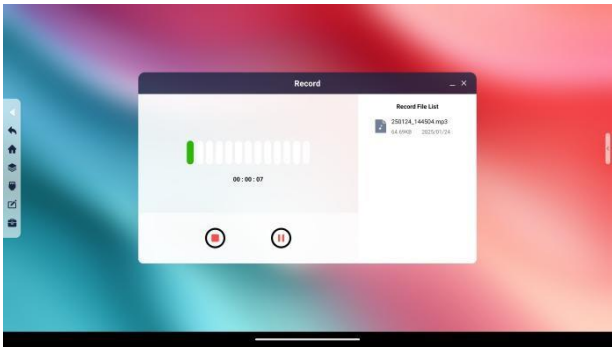
## ( Vl ) Record

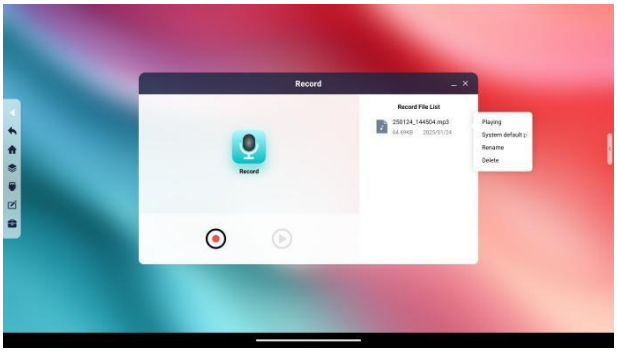
Recording APK, which can be used to record external sound sources on the big screen to record classroom content or meeting content. Operation method:

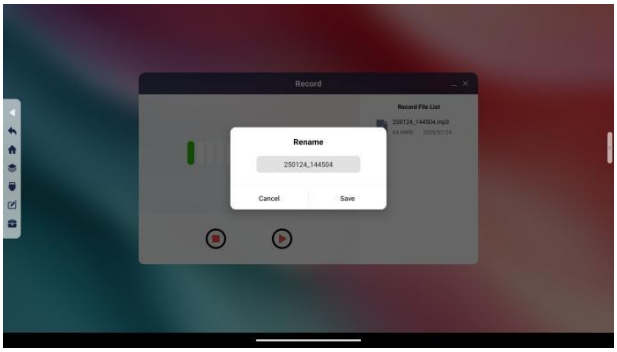
1. Click the Record button
2. Record and Pause buttons appear on the Record screen. 3.
3. when there is an external sound source, the recording application interface will display a green sound pattern, so that users can know whether the current big screen has picked up the external sound source.
4. Press and hold the recording file on the right side of the recording application for 1 second, you can

operate the recording file twice, such as: playing, jumping to the system player to play, renaming, deleting the recording file.



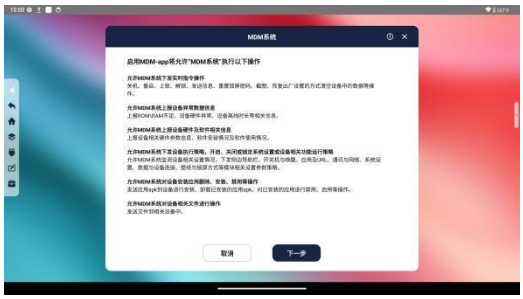




## ( VII ) Welcome




This feature Supports the display of important information such as welcome message and meeting theme on the large full screen of the entire machine in a meeting or event scenario. Users can select the desired theme and edit the content accordingly.

## ( VIII ) MDM




The Fortrend MDM device management system is deployed on a cloud platform. It allows device administrators, IT administrators or project managers to quickly and centrally monitor, manage and support device usage regardless of location.