newline

Q Pro Elite Series

User Manual

Contents

About This Document 3

Safety Instruction 4

1 Overview 7

1.1 Introduction 7

1.2 Parts 7

1.3 Ports 9

1.4 Front Buttons 12

1.5 Remote Control 13

2 Installation Guide 15

2.1 Safety Precautions 15

2.2 Installation Precautions 16

2.3 Installation 18

2.4 Installing the OPS (Optional) 19

2.5 Installing the Wi-Fi Module 19

2.6 Installing the Camera(Optional) 20

3 Getting Started 22

3.1 Power On 22

3.2 Power Off 22

4 Operating 23

4.1 Profile Logon 23

4.2 Home 24

4.3 Whiteboard 29

4.3.1 Whiteboard Functions 31

4.3.2 Whiteboard Setting 39

4.3.3 Page Operations 42

4.3.4 ClassConnect 43

4.3.5 Annotation 45

4.4 Application 47

4.4.1 Google Play Store 47

4.4.2 Newline Display Management+plus 48

4.4.3 Newline Signage Pro 49

4.4.4 Newline Classroom Tools 49

4.4.5 Newline Cast 49

4.4.6 Newline App Store 50

4.4.7 Newline Secure 50

4.4.8 Voice Assistant 51

4.4.9 Record Screen 51

4.4.10 Sound Recorder 52

4.4.11 Files 52
4.4.12 Visualizer 52
4.4.13 Vote 53
4.5 Extended Functions 56
4.5.1 Capture 56
4.5.2 Sources 57
4.5.3 Control Center 57
4.5.4 Automatically Power Off 60
4.6 Settings 61
4.6.1 Network & Internet 61
4.6.2 Newline Settings 61
4.6.2.1 Power 62
4.6.2.2 Sound 62
4.6.2.3 Input & Output 62
4.6.2.4 Display Option 63
4.6.2.5 Toolbar 63
4.6.2.6 Screen Eye Filters 63
4.6.2.7 Advanced 64
4.6.3 Connected devices 65
4.6.4 Apps 65
4.6.5 Notifications 66
4.6.6 Storage 66
4.6.7 Sound & vibration 66
4.6.8 Display 66
4.6.9 Wallpaper 66
4.6.10 Accessibility 67
4.6.11 Security & Privacy 67
4.6.12 Location 68
4.6.13 Passwords, passkey & accounts 68
4.6.14 Google 68
4.6.15 System 68
4.6.16 About tablet 71
5 Serial Port Control 72
6 FAQs & Troubleshooting 79
7 Specifications 81
8 More Information 84

Welcome to the world of Newline

Thank you for choosing the Q Pro Elite series Interactive Flat panel display. Please use this document to get the most out of your screen.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

The symbol of the crossed out wheeled bin indicates this product should not be placed in municipal waste. Instead, dispose of waste equipment by taking it to a designated collection point for electrical and electronic equipment recycling.

Energy Star Compliance.

Signage Displays with Plug-in Module.

As an ENERGY STAR Partner, Newline Interactive Inc., has followed the EPA's enhanced Product qualification and certification process to ensure that the products marked with the ENERGY STAR logo are ENERGY STAR qualified per the applicable ENERGY STAR guidelines for energy efficiency. The logo appears on the pen tray near front connections on all ENERGY STAR qualified Signage Displays.

The ENERGY STAR program for Signage Displays was created by EPA to promote energy efficiency and reduce air pollution through more energy-efficient equipment in offices, classrooms and factories. One way that a product achieve this goal is by using a power management feature to reduce power consumption when the product is not in use.

For TT−6525Q ELT, TT−7525Q ELT and TT−8625Q ELT, sleep mode can be initiated in a couple different ways. Users can take the action of pressing the power button on the panel, or a remote command can be sent via RS232.

TT−6525Q ELT, TT−7525Q ELT and TT−8625Q ELT can exit sleep mode by the user pressing the power button, or by the proximity sensors detecting a user's presence, or through a remote command via RS232. In the event of a proximity detection, the panel will transition from sleep mode to another low power mode, STAND BY.

In the event that brightness settings or power mode settings are changed by the user, energy consumption of the panel may increase beyond the limits required for ENERGY STAR certification.

Additional information on the ENERGY STAR program and its environmental benefits are available on the EPA ENERGY STAR Power Management website at http://www.energystar.gov/powermanagement.

Additional information on the ENERGY STAR program and its environment benefits are available on the EPA ENERGY STAR website at http://www.energystar.gov

For production, above information will need to be available for the Energy Star V8 build from 27th January 2020.

Manufacturer-reported maximum luminance LMax Reported is 400cd/m^2.

About This Document

This document describes multiple functions, instructions, and notes about the product.

Symbols are used in this document to indicate operations that need particular attention. The symbols are defined as follows:

NOTE	Provides additional information to supplement operation in the main text.
TIP	Provides tips for operation.
CAUTION	Indicates a potentially hazardous situation that, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results.
WARNING	Indicates a hazard with risk that, if not avoided, could result in death or injury.

Safety Instruction

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

WARNING	
	Disconnect the product from the power supply immediately if major failures occur. Major failures include the following: • If smoke, a peculiar smell or an abnormal sound is discharged from the product. • No image or sound is displayed, or the image error occurs. In the preceding scenarios, do not continue to use the product. Disconnect power supply immediately and contact professional staff for troubleshooting.
	Do not drop any liquids, metal, or anything combustible onto the product. • If any liquids or metal are dropped onto or into the product, power off the product and disconnect the power supply. Then contact professional staff for solutions. • Pay attention to children when they are close to the product.
	Put the product on a stable surface. An unstable surface includes, and is not limited to, an inclined plane, a shaky stand, desk or platform, that might cause the product to turnover and be damaged.
	Do not open the panel or change the product on your own. High voltage components are installed in the product. When you open the panel, high voltage, electric shock, or other dangerous situations may occur. If inspection, adjustment, or maintenance is required, contact the local distributor for help.
	Use the provided power supply. • To prevent the product from being damaged, do not use any types of power cables other than the one provided with the product. • Use a three-wire socket and ensure that it is properly grounded. • Pull out the power plug from the socket if the product is not used for a long period.
	Clean the power plug regularly. • Fire or electric shock may be caused if the product is powered on while you are cleaning. • Pull out the power plug before cleaning it with a dried cloth.
	Do not put items on the top of the product. • Do not put items, such as a container for liquid (a vase, flowerpot, cosmetics, or liquid medicine) on the top of the product. • If any water or liquid is spilled on the product, the product may short circuit and cause fire or electric shock. • Do not walk on or hang any items on the product.
	Do not install the product in an improper place. • Do not install the product in humid places, such as the bathroom, the shower room, near windows, or outdoor environments that experience rain, snow, or other harsh weather. Avoid installation near hot spring vapor. The preceding environments may cause faults in the product or electric shock under extreme conditions.

WARNING	
	• Do not put an exposed fire source, such as a lit candle, on the product.
	Pull out the power supply during thunderstorms. • Do not touch the product during a lighting storm, you may experience an electric shock. • Install or place components that supply high enough voltage to cause personal injury out of the reach of children.
	Do not touch the power cable with wet hands.

CAUTION	
	Do not install the product in high temperature environments. • Do not install the product near a heat source, such as a radiator, a heat reservoir, a stove, or other heating products. • Do not expose the product to direct sunlight, which may cause high temperatures and subsequent faults in the product.
	When transporting the product: • Pack the product for transport or maintenance by using the cartons and cushioning material provided with the product. • Move the product vertically during transport. The screen or other components are easily broken if the product is moved in an improper way. • Before you move the product, disconnect all external connections and separate all topple preventing products. Move the product carefully to prevent it from being hit or squeezed, especially the screen, which may cause injury if broken.
	Do not cover or block up any vents on the product. • Any overheated components may cause fire, damage the product, and shorten the service life. • Do not lay the product down in a way where the venting surface will be covered. • Do not install the product on carpet or cloth. • Do not use a cloth, such as table cloth, to cover the product.
	Keep the product away from the radio. The product complies with the international EMI standard to pervent radio interference. However, interference may still exists and causes noise in the radio. If noise occurs in the radio, try the following solutions. • Adjust the direction of the radio antenna to avoid the interference from the product. • Keep the radio away from the product.
	If the screen glass is broken or falls off: • Keep all personnel 10 feet away from the screen to ensure safety. • Do not perform any installation or disassembly while the screen glass is broken or has fallen off.
	Use the battery correctly. • Galvanic corrosion, electric leakage, and even fire may be caused by improper battery usage.

⚠ CAUTION

- It is recommended to use the designated type of battery and install the battery by the correct electrodes (positive and negative).
- Do not install and use a new battery with a used one.
- Take out the battery if the remote control is not used for a long period.
- Do not expose the battery to overheated environments, such as sunlight or heat sources.
- Dispose of the used battery based on your local regulations.

Do not damage the power cable.

- Do not damage, change, twist, bend, or forcibly drag the power cable.
- Do not put weights (such as the product itself) on the power cable.
- Do not forcibly drag the cable when you pull out the power plug. If the power cable is damaged, please contact the local distributor to repair or replace it.
- The power cable in the accessory box is for this product only. Do not use it on other products.

Additional advice:

- Use the product in an environment with comfortable lighting. It is harmful to your eyes to watch in a too bright or too dark environment.
- Relax your eyes watching for a period of time.
- Keep sufficient distance from the product to protect your eyes and prevent eyestrain. The recommended viewing distances are as follows, TT-6525Q ELT: 2750mm, TT-7525Q ELT: 2910mm, TT-8625Q ELT: 3360mm.
- Adjust the volume to an appropriate level, especially at night.
- Excessive sound pressure from ear-/headphones can cause hearing damage/hearing loss.
- Adjustment of the volume control as well as the equalizer to other settings than the center position may increase the ear-/headphones output voltage and therefore the sound pressure level.
- The use of factors influencing the ear-/headphones output other than those specified by the manufacturer (e.g. operating system, equalizer software, firmware, driver) may increase the ear-/headphones output voltage and therefore the sound pressure level.
- The use of ear-/headphones other than those specified by the manufacturer may lead to heightened sound pressure level.
- Use amplifier equipment as the audio input source with caution. If you must use amplifier equipment, the input power should not exceed the maximum of speaker power. Otherwise, the speaker can become overpowered and damaged.

About USB port.

Front USB ports and rear USB 3.0/USB 2.0 ports switch connections based on signal sources. If the current signal source is reading the data from an external product connecting to the port, please switch the signal source after the data reading is complete. Otherwise, the data or product may be damaged.

1 Overview

1.1 Introduction

Take collaboration to the next level with the Q Pro Elite series interactive display.

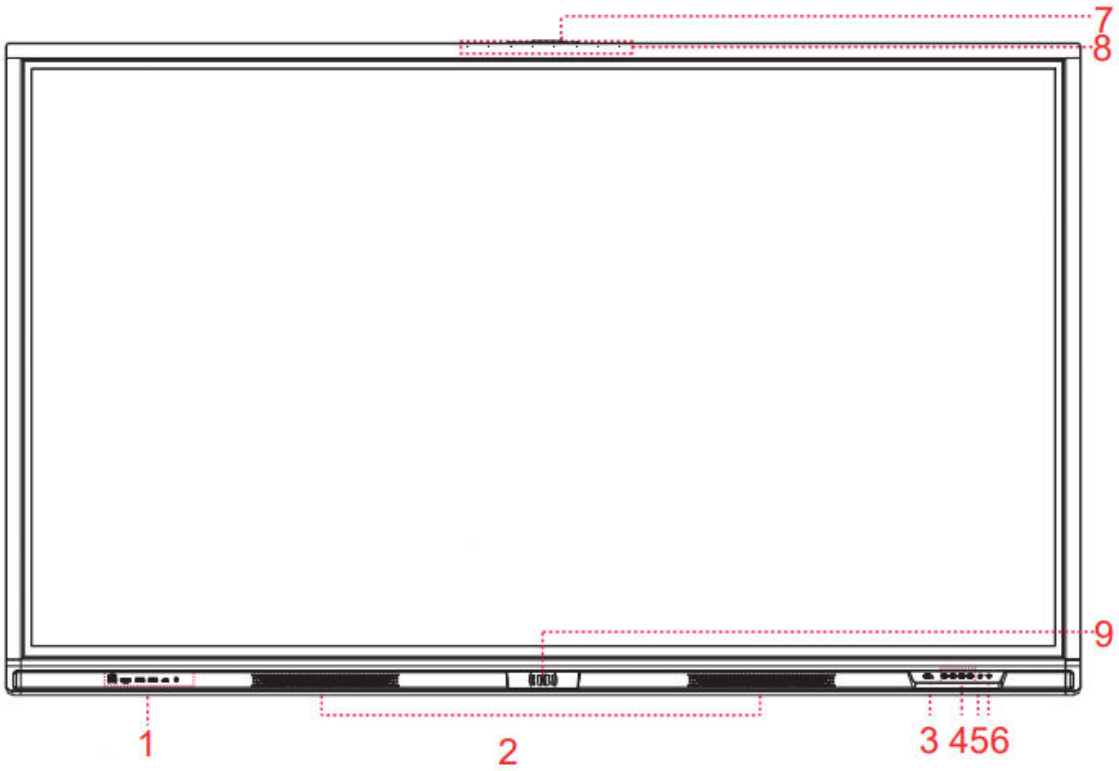
Increase productivity and collaboration across the board with a display that uses advanced touch technology.

Each product can be customized to fit your needs. The non-proprietary nature lets you use the software you prefer, take notes on local files, wirelessly cast to the screen from smaller devices, run your favorite apps, and view multimedia files, all while making your experience better than before.

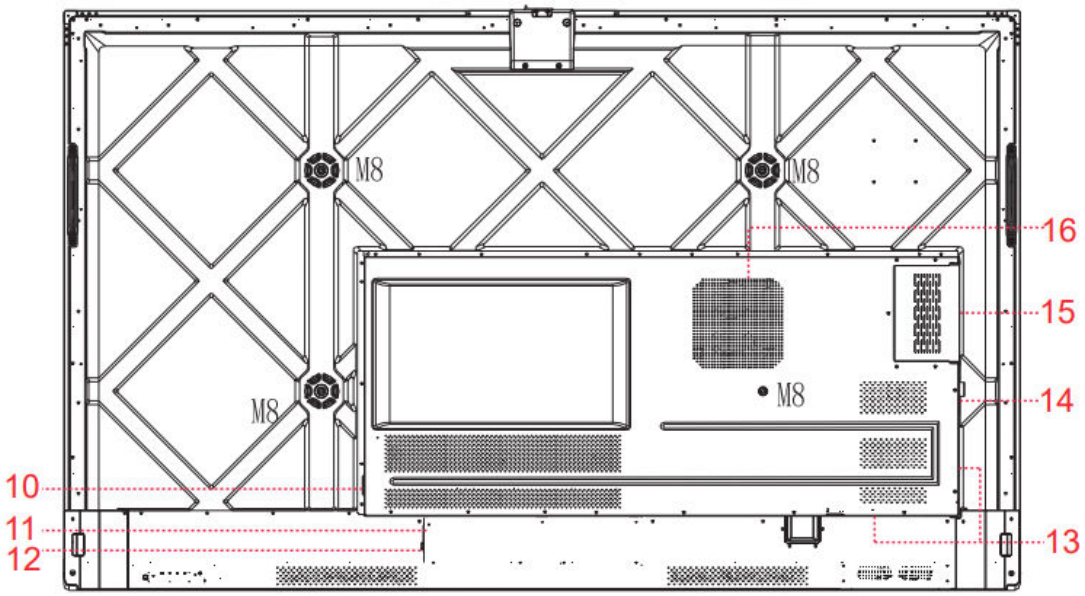
The newline's 4K Ultra High-Definition LED screen also provides a fluid writing experience. Annotate over anything on the screen, whether in the embedded whiteboard or while using any other device. IntelliTouch automatically identifies pen thickness and color, saving your time.

1.2 Parts

- Front View



- Rear View



1	Front Ports
2	Speakers
3	Power On/Off
4	Front Buttons
5	Remote Control Receiver
6	Light Sensor
7	Camera Port
8	Microphone
9	NFC Sensing Area
10	Power Output Plug
11	Power Supply Plug
12	Power Switch
13	Rear Ports
14	Wi-Fi Module
15	OPS Port
16	Woofer

Notes:

The product images shown are for illustration purposes only and may not be an exact representation of the product.

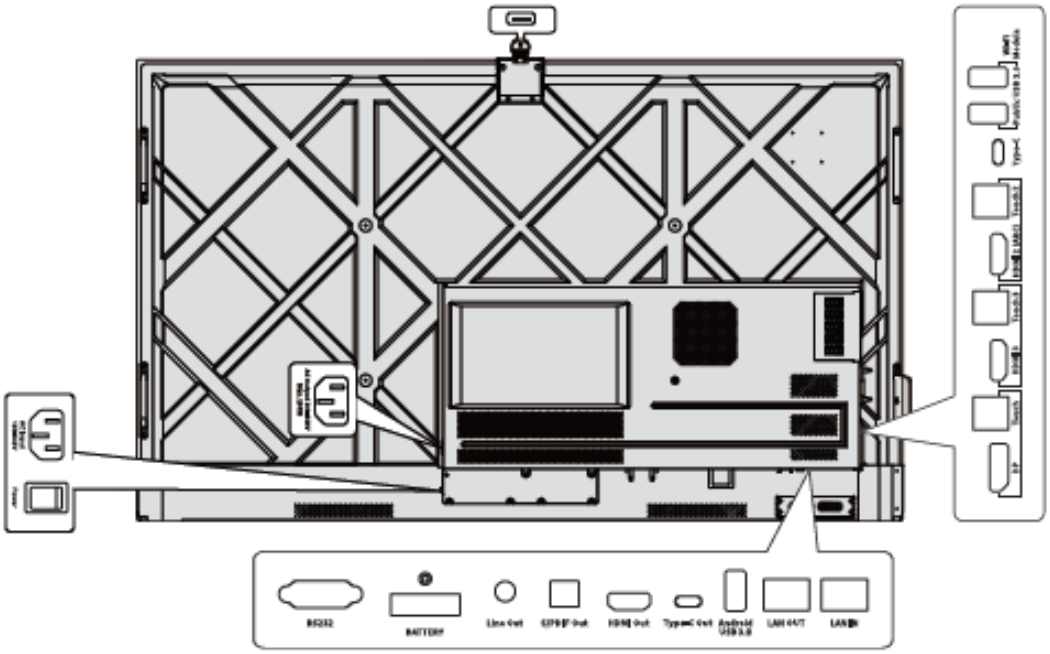
1.3 Ports

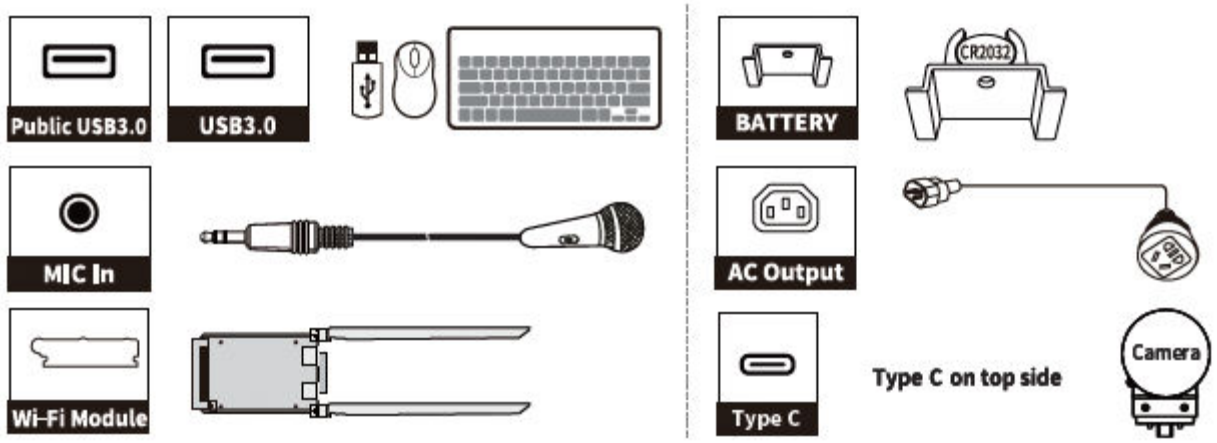
CAUTION

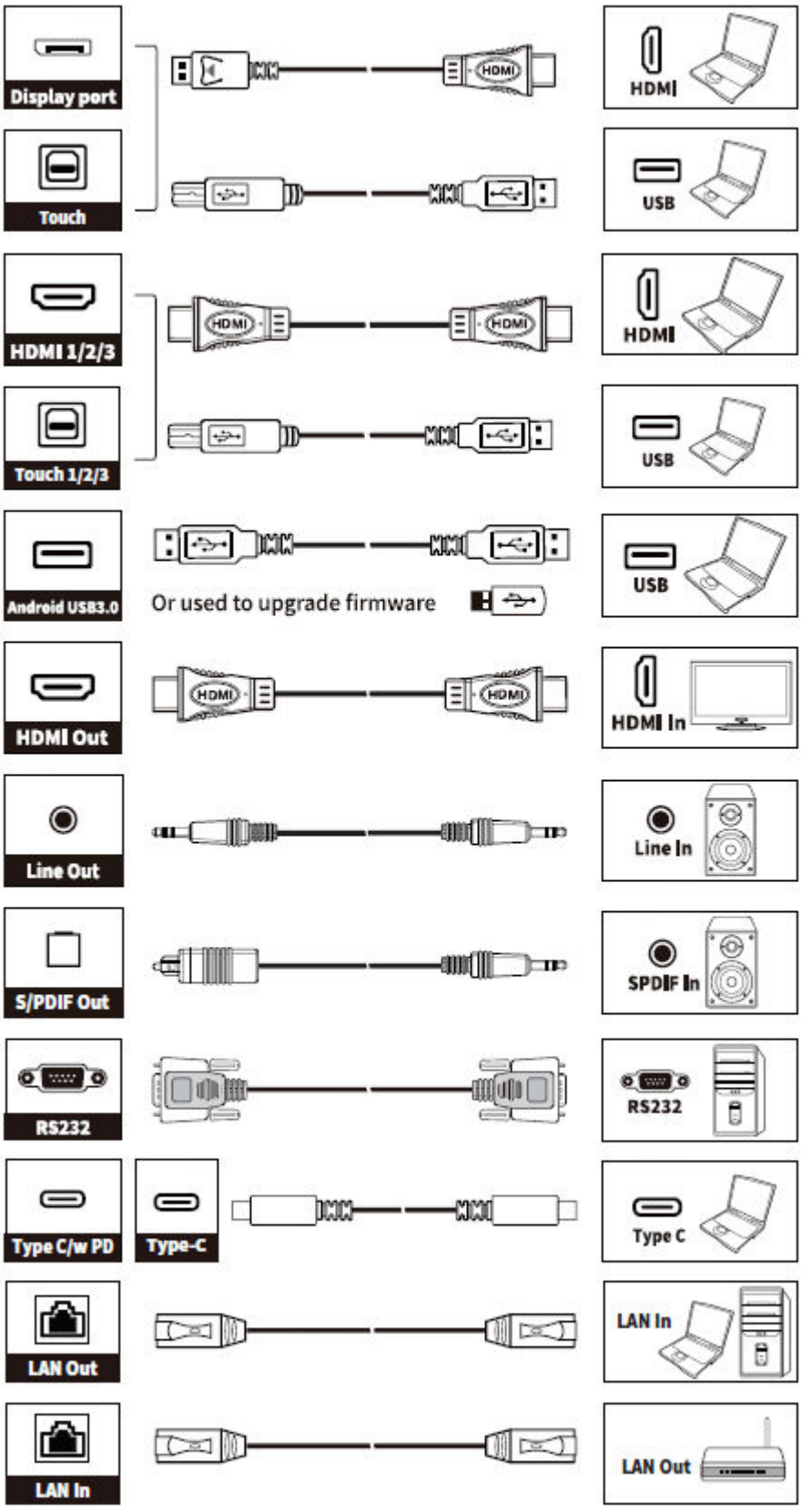
- *Front USB ports and rear USB 3.0/USB 2.0 ports switch connections based on signal sources. If the current signal source is reading the data from an external product connecting to the port, please switch the signal source after the data reading is complete. Otherwise, the data or product may be damaged.*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

WARNING

The rear power output port supplies 180W (maximum) power. Please contact Newline to purchase the power AC adapter for powering external devices. Please do not connect any products which require power than listed. Doing so may cause injury or damage to the panel.




Public USB3.0
USB3.0
MIC In
Wi-Fi Module
BATTERY
CR2032
AC Output
Type C
Type C on top side
Camera



1 Type C port on the top of the display, used for camera(Optional);

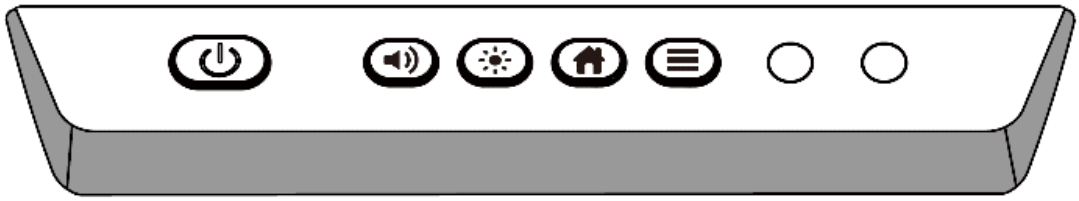
2 Front ports: Touch x 1, HDMI IN x 1, USB3.0 x 2, Type C/w PD x 1 and MIC In x 1;

3 Rear ports:

RS232 x 1, Line Out x 1, S/PDIF Out x 1, HDMI Out x 1, Type-C Out x 1, USB 3.0 (Android) x 1, LAN IN x 1, LAN OUT x 1;

DP x 1, Touch x 3, HDMI 2(ARC) In x 1, HDMI 3 In x 1, Type-C x 1, USB 3.0 (Public) x 2, OPS Slots (4K@60Hz), Wi-Fi Module Slot x 1.

1.4 Front Buttons



Buttons	Operations	Functions
⏻	Short press	Power on • Solid white color : Display is on and working
		Sleep mode • The red and white lights flicker alternately: Display enter Sleep mode.
	Long press for more than 2 seconds	Power off • Solid red color : Display is in shut down mode
🔊	Short press	Adjust the Volume
	Long press for 5 seconds	Enable or disable the touch function. Notes: When the touch function is disabled, the Android system, external sources and multi-user channels will be in no-touch mode. If you tap the screen, it will display “The touch function is locked!”.
☀	Short press	Adjust the Brightness
	Long press for 5 seconds	Activate/Exit the freeze function
⌂	Short press	Go to the home page
	Long press for 5 seconds	Activate/Exit the power button lock function
☰	Short press	Open the Settings
	Long press for 5 seconds	Enter the Source Selection Page

Notes:

- Press **Volume +** >**Volume +** >**Volume -** >**Volume -** > **Left** > **Left** > **Right** > **Right** buttons on the Remote control to turn on/off the touch function.
- The power button on the front panel will be locked if you activate the power button lock.

  Long press ⌂ **Home** button for 5 seconds to exit the lock.

1.5 Remote Control

CAUTION

Carefully read the following instructions before using the remote control to avoid possible faults:

- Do not drop or damage the remote control.
- Do not spill water or other liquids on the remote control.
- Do not place the remote control on a wet object.
- Do not place the remote control directly under sunlight or near a heat source.

Buttons	Operations
POWER	Power On/Off
HOME	Go to the Home Page
Up Down Left Right	Directional Pad
Confirm	Confirm/OK
Freeze	Press once to freeze the current screen. Press again to exit freeze function
Sources	Enter the Source Selection Page
Return	Return to Previous/Exit
TASK	App switcher
Menu	• Open the Settings on the embedded operating system. • Open the menu in Windows system.
Capture	Take a Screenshot
Decrease the volume	Press once to decrease the volume, long press to decrease the volume continuously
Mute	Mute/Unmute Audio
Increase the volume	Press once to increase the volume, long press to increase the volume continuously

2 Installation Guide

2.1 Safety Precautions

Installation Environment

Avoid Electric Shock

Avoid Strong Magnetic Field

Avoid Any Corrosive Liquids

Keep Away From Combustible Vapors (gas leaks, etc.)

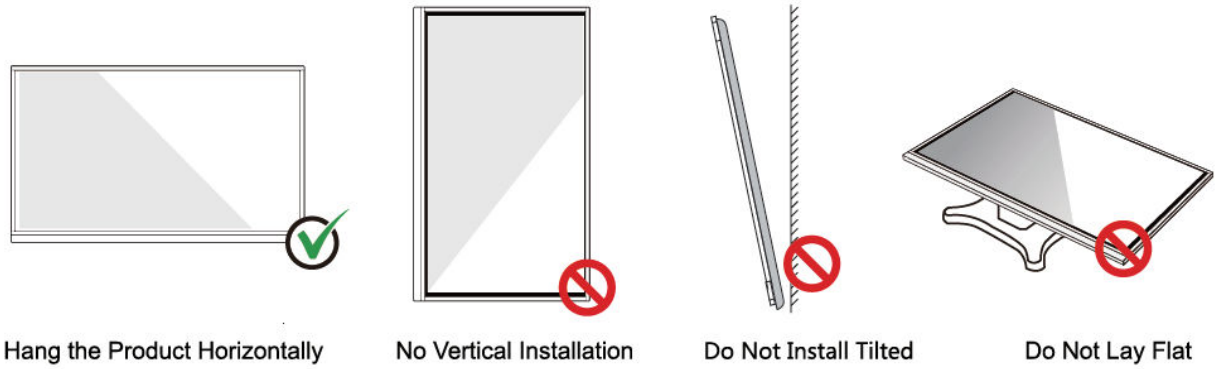
Keep Temperature Below 120 degree Fahrenheit

Keep Relative Humidity Under 70%

Do Not Use Outdoors

Do Not Install Tilted

Installation Direction



Hang the Product Horizontally
No Vertical Installation
Do Not Install Tilted
Do Not Lay Flat

2.2 Installation Precautions

Weight Loading

Weight of the product:

86lb/ 39kg (65INCH)

113.5lb/ 51.5 kg (75INCH)

142lb/ 64.5kg (86INCH)

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

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

- Attaching the VESA Mounting Bracket. This apparatus is intended to be supported by a GS Listed wall-mount bracket.

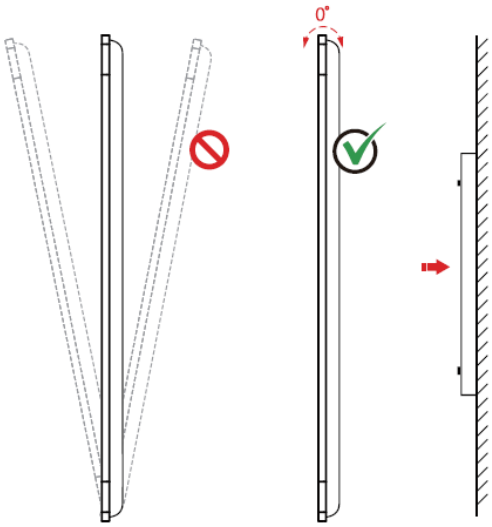
NOTE

The company does not undertake relevant legal responsibility for any problems caused by improper operation if the third party mobile stand, or wall-mount bracket is beyond the scope of the product.

- Do not install the product where it might be hit by an opening or closing door.

Vertical installation

When installing the panel, try to keep the panel vertical. An excessive tilt angle may cause damage to the glass or other internal components.



NOTE

For any problem, please contact our support desk. Our company is not responsible for any damage or losses incurred by users if the users fails to follow the instructions.

Ventilation

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

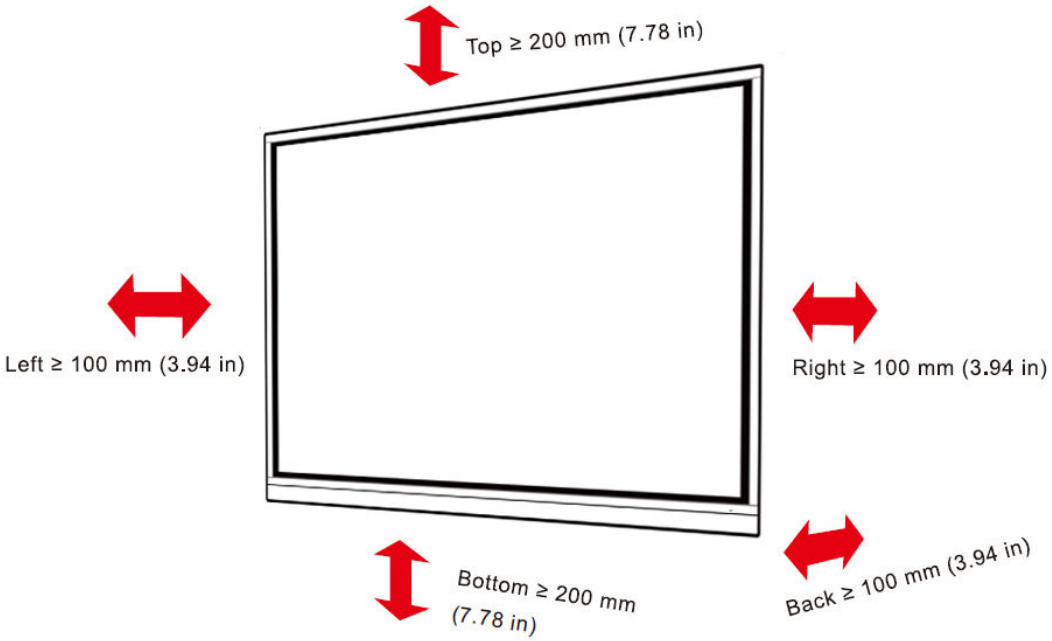
Left shall not be less than 100 mm (3.94 in)

Right shall not be less than 100 mm (3.94 in)

Top shall not be less than 200 mm (7.78 in)

Bottom shall not be less than 200 mm(7.78 in)

Back shall not be less than 100 mm (3.94 in)



2.3 Installation

The dimensions of the four bracket mounting holes on the back panel are VESA MIS-F compliant:

86INCH or 75INCH: 800 x 400 mm/31.50 x 15.75 in;

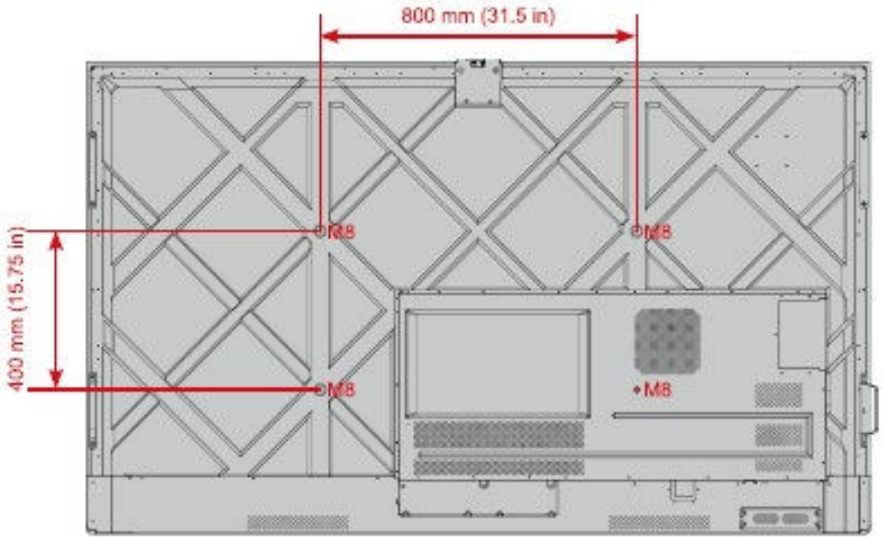
65INCH: 600 x 400 mm/23.62 x 15.75 in;

Use metric M8 screws with a length of 10 mm to 15 mm (0.40 to 0.59 in) to secure the touchscreen to the mounting system. Dimensions of the mounting holes on the back panel are shown on the following figure:

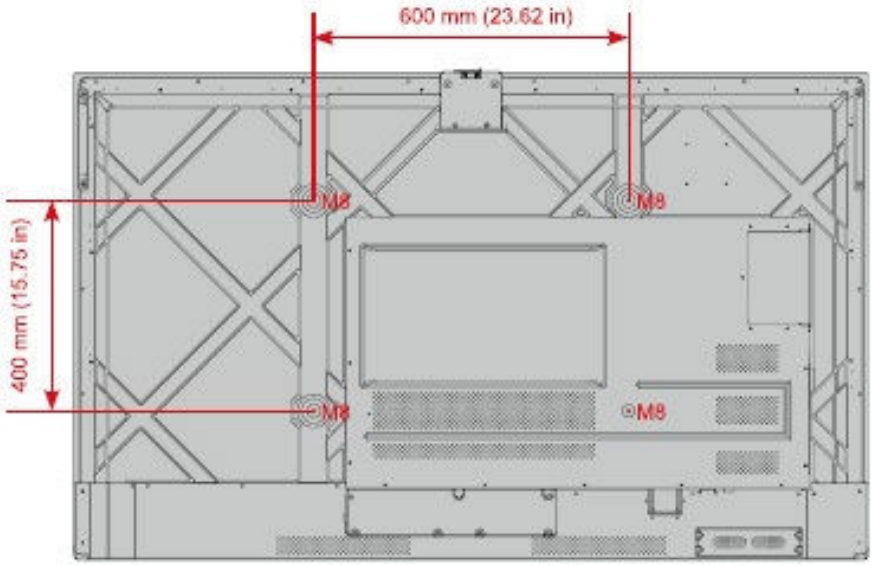
NOTE

Consult a professional installer to install the display product.

75"/86":



65":



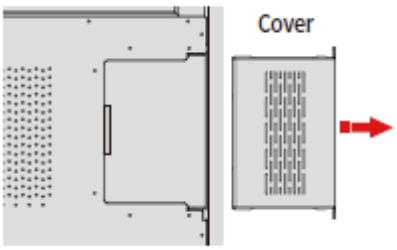
2.4 Installing the OPS (Optional)

CAUTION

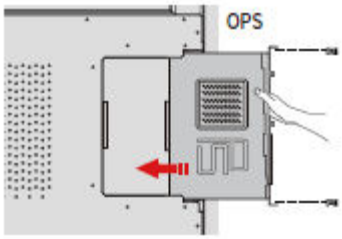
The OPS does not support hot plugging. Therefore, you must insert or remove the OPS when the display is powered off. Otherwise, the display or OPS may be damaged.

You will need to purchase the OPS separately. Perform the following steps to install the OPS.

Step 1 Unscrew the M4 screws by hand to remove the OPS protective cover.



Step 2 Push the OPS into the OPS port on the rear of the panel until firmly seated, using the M4 screws to secure the OPS.



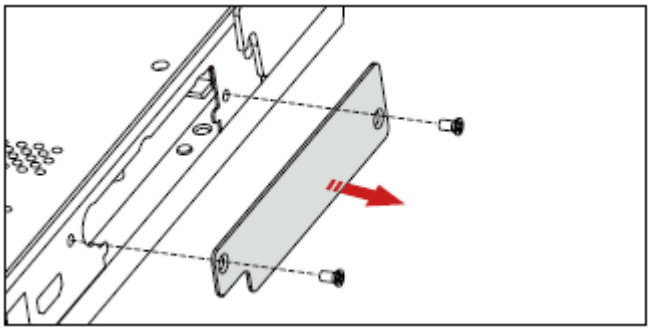
2.5 Installing the Wi-Fi Module

CAUTION

Wi-Fi Module *does not support hot plugging. Therefore, you must insert or remove the* Wi-Fi Module *when the display is powered off. Otherwise, the display or* Wi-Fi Module *may be damaged.*

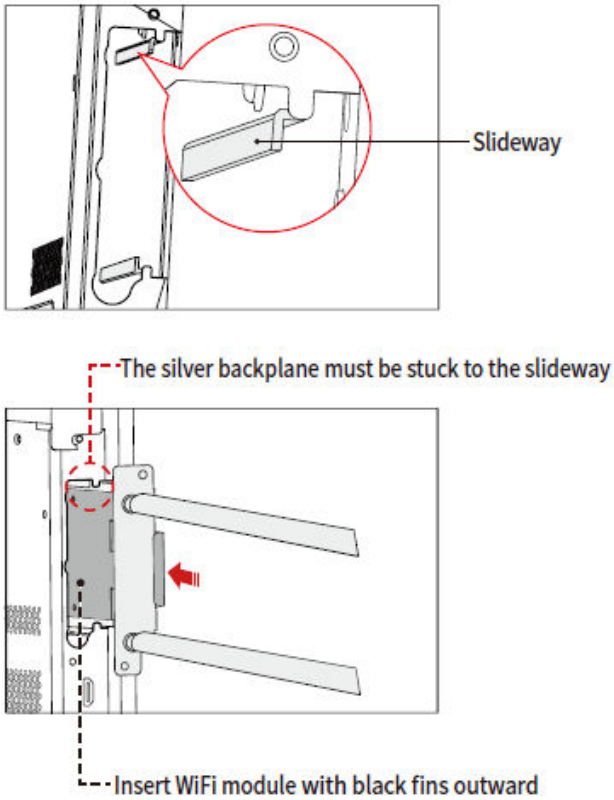
Perform the following steps to install the Wi-Fi Module.

Step 1 Unscrew the 2 screws on the Wi-Fi Module port and remove the shielding cover.



Step 2 Insert the Wi-Fi Module into the port on the rear of the panel until firmly seated, using the 2 screws to secure it.

Make sure Wi-Fi Module with black fins outward, the silver backplane must be stuck to the slide way.

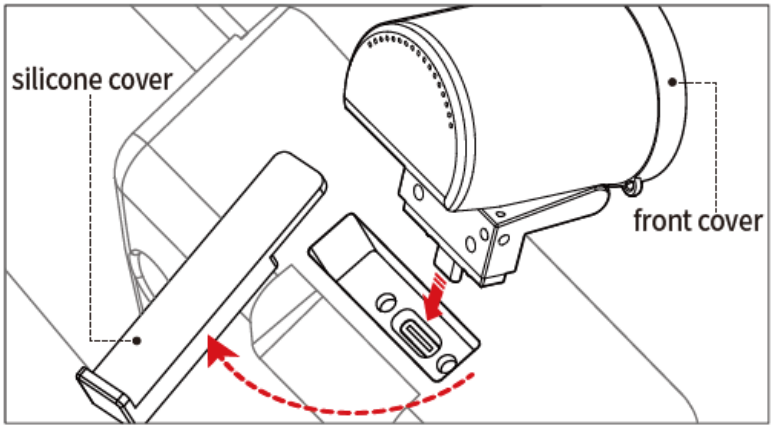


2.6 Installing the Camera(Optional)

Camera is available for purchase as an optional accessory, please install it onto panel referring to following steps. Use the two screws along with camera to fix.

Step 1 Remove the silicone cover from the middle port on the top of the panel display, then insert the camera. Install 2 fixing screws for secure purpose.

Step 2 Remove the front cover and start using.



3 Getting Started

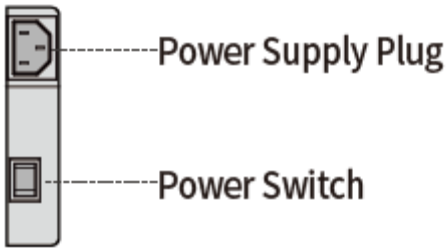
3.1 Power On

Step 1 Ensure the power cable is fully seated into the panel and wall outlet before powering on the panel. Please confirm your wall outlet supports a power range of 100V to 240V with frequency at 50 Hz/60 Hz ± 5% and is fully grounded.

NOTE

The power outlet should be installed near the equipment and should be easily accessible.

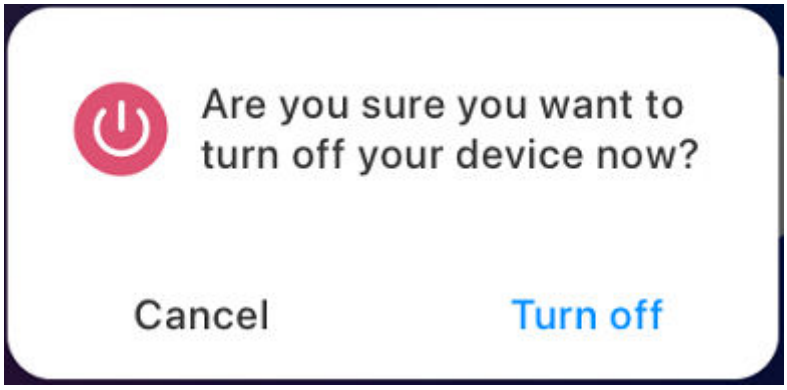
Step 2 Flip the power switch located on the side of the product to "I".



Step 3 Press the power button on the front control panel or on the remote control.

3.2 Power Off

Step 1 Press the power button on the front panel or the power button on the remote control and a **prompt** dialog box will be displayed as shown in the following figure.



Step 2 Tap **turn off** to turn off the display, and the power indicator will turn to red.

Step 3 If you want to completely turn off the product, turn off the rocker switch behind the panel (next to the power socket) and unplug the power cord.

NOTE

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

4 Operating

4.1 Profile Logon

When you set the screen lock in **Settings**> **Security& Privacy** >**Screen Lock**, you need to verify the lock screen code after each boot.

Method	Operation
Swipe	Swipe the screen to unlock
Pattern	Draw an unlock pattern, the pattern need connect at least 4 dots.
PIN	Enter the PIN, the PIN can be 4 ~16 digits.
Password	Enter the password, the password can be the combination of letters, numbers and symbols.
QR Code	Scan the QR code to unlock

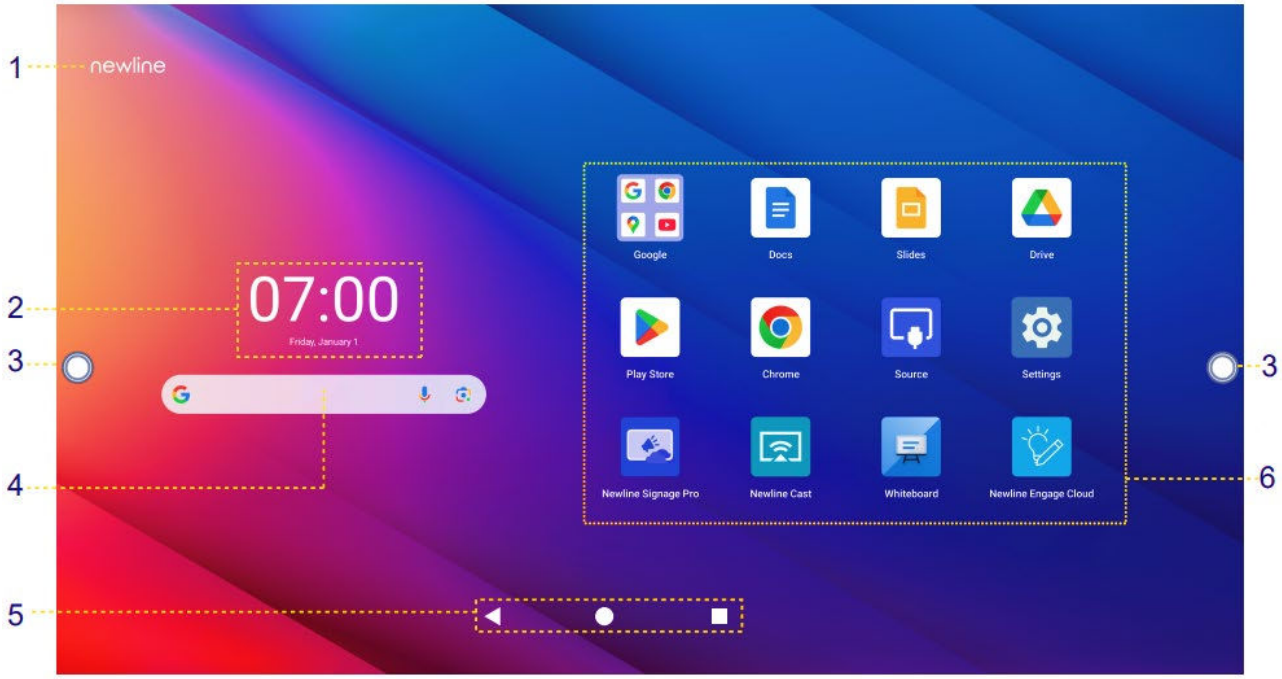
Notes:

After the screen lock is enabled, every time you boot up the screen, system will request the passkey.

If you forgot your passkey, please contact your administrator to reset your passkey.

4.2 Home

Once logged into the system, the user will be taken to the **Home** page as shown in the following figure:



1: logo 2: Clock & Date and Week 3: Toolbar

4: Google Search Bar 5: Widget 6: Application

Gestures

Gesture	Functions
Slide Up	Slide up to view all the applications.
Slide Down	Slide down to expand the Control Center.
Slide Right	Slide right to enter the google login interface.

Widget

Icon	Functions
	Return to the previous menu or exit an app.
	Back to the Home page.
	Enter the task manager.

Notes:

You can enter **Settings**> **System** >**Gestures**>**Navigation mode** to set the button.

Toolbar

OPS, Home, Annotation Mode, Whiteboard, Quick access bar, Dashboard, Task manager and Return icons are displayed by default in the toolbar on both sides of the screen.

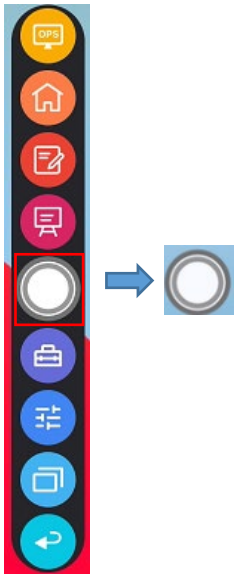
You may hide toolbar in the Settings or move it on the screen, shrink or expand by using touch gestures. Long press the icon to customize the toolbar icons.

The functions of the toolbar are as follows:

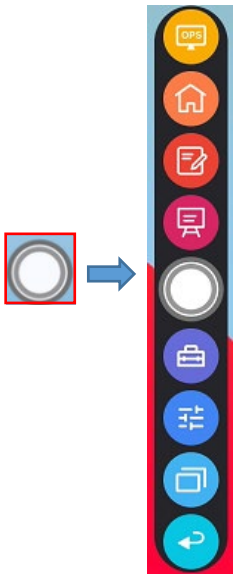
Icon	Functions
	Tap to switch to the OPS source.
	Go to Home page.
	Tap once to start annotation mode, tap again to stop annotation and take a screenshot.
	Switch to Whiteboard mode.
	Minimize or maximize the toolbar.
	Tap to enter the Quick Access Bar.
	Tap to enter the Dashboard.
	App switcher allows the user to manage currently running applications. Swipe left or right to view currently running applications, swipe up or down to close the application or tap "**clear all**" to close all the applications.
	Return to the previous menu or exit an app.

Shrink and Expand:

Shrink

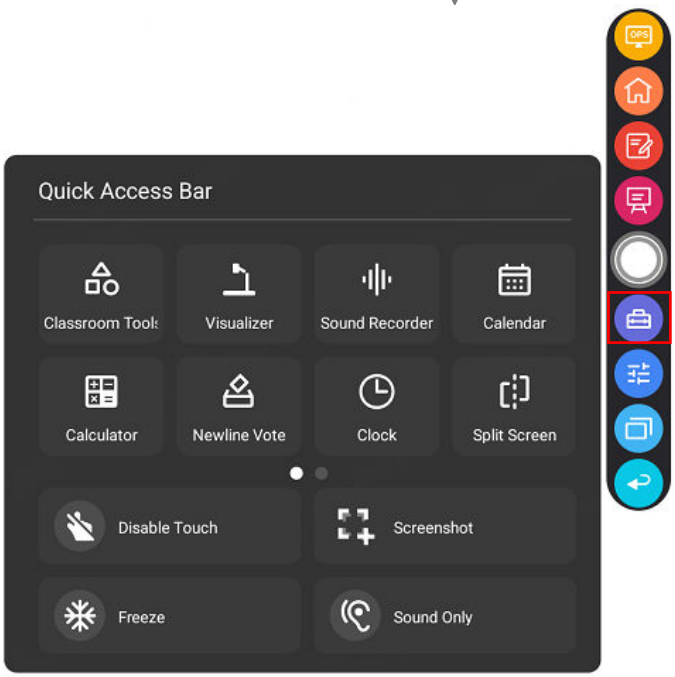


Expand



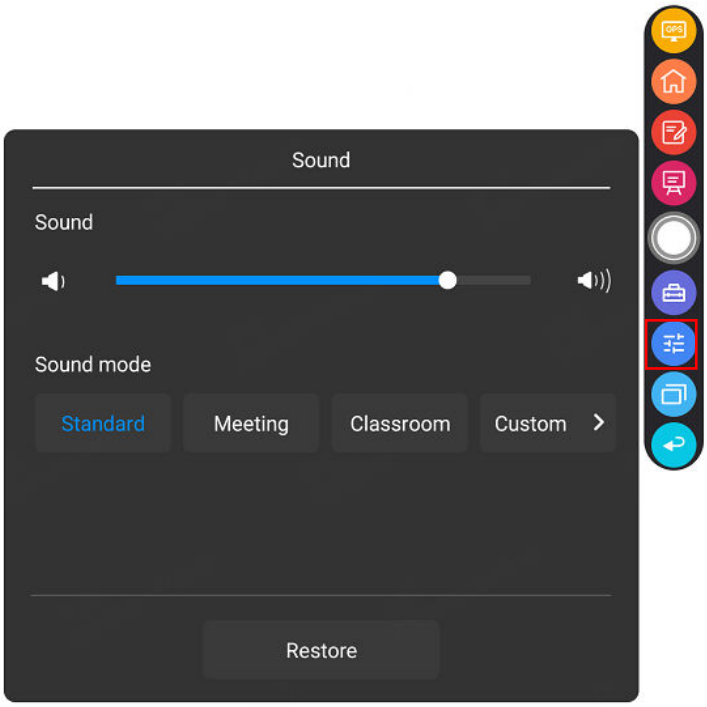
Quick Access Bar

In the quick access bar, system preset some common apps. Tap the app icon to access the application interface. You can enable and disable the touch, freeeze and sound only function on this page.Tap the screenshot to take a screenshot.



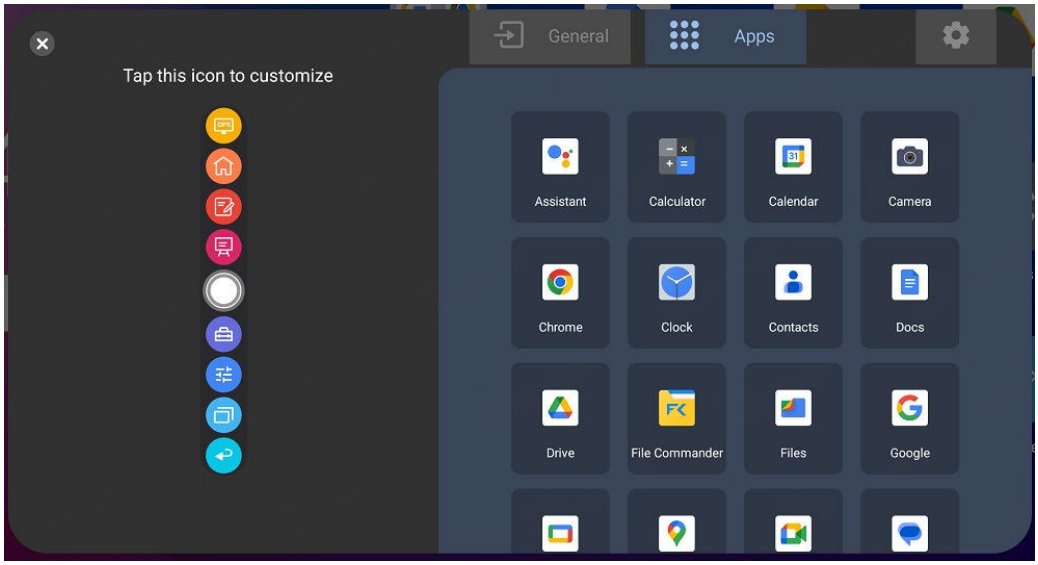
Dashboard:

Menu	Function
Sound	1 Option includes standard, meeting, classroom and custom mode, standard mode is default; 2 After selecting customization, the interface displays bass, treble and balance, and the default values are 50, 50 and 50.
Image	1 Includes four options standard, vivid, soft and custom, standard mode is default; 2 Click Customize to display the image Settings, including brightness, contrast, color and saturation settings. The default values are all 50.



Customize the toolbar icon

Long press any one of the icon to enter the customize page, you can tap the icon to replace the current icon.



Toolbar > Compass floating bar

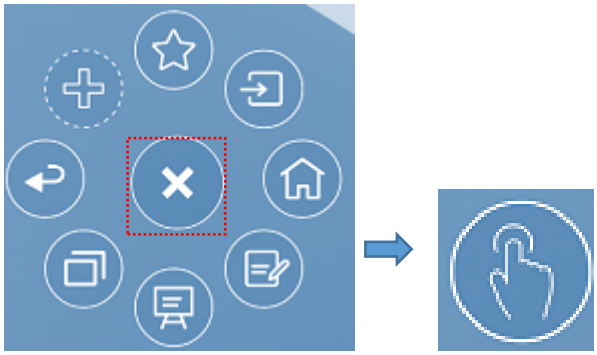
Press the toolbar and drag it out, the toolbar can be transformed into a Compass floating bar.

Compass floating bar > Toolbar

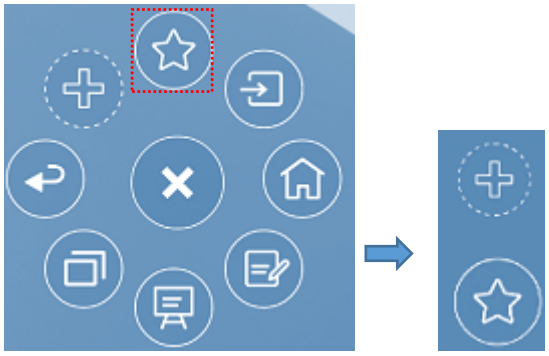
Drag the floating bar to the edge of the screen, the Compass floating bar can be back to the toolbar.

In the floating bar, users can tap the icon to enter function interface, add and delete icons, add custom icons, drag the toolbar with their fingers to move around on the screen.

Standard > Minimized

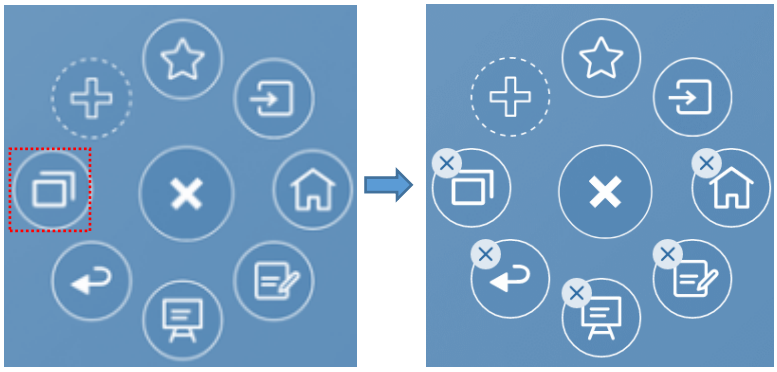


Standard > Favorite

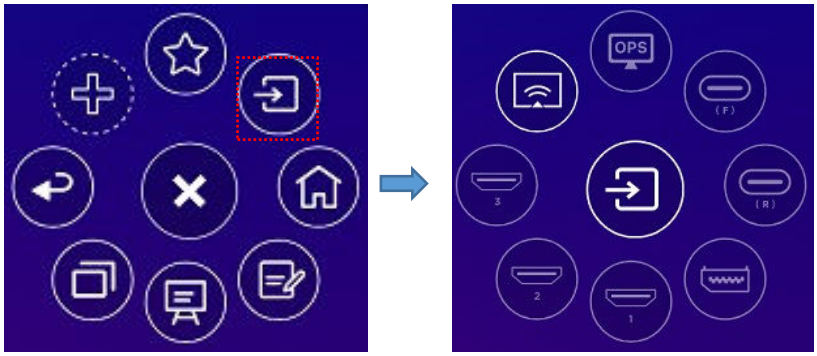


Delete icons

Long press the icons to enter the icon deleting status, tap the × icon on the upper left corner to delete icons.



Signal source



4.3 Whiteboard

The whiteboard function is designed to present conference writing to attendees in a quick and easy manner. The whiteboard has the following functions:

- **Discussion and screen annotation**

  On the whiteboard page, you can select pen type, width, and color to write or annotate on the screen. You can also erase selected content or clear all content on the screen.
- **Page navigation**

  Preview or delete pages.
- **Palm rejection**

  When Palm rejection is turned on, fingers and pen can write and draw, but palm and fist would not be recognized.
- **Palm eraser**

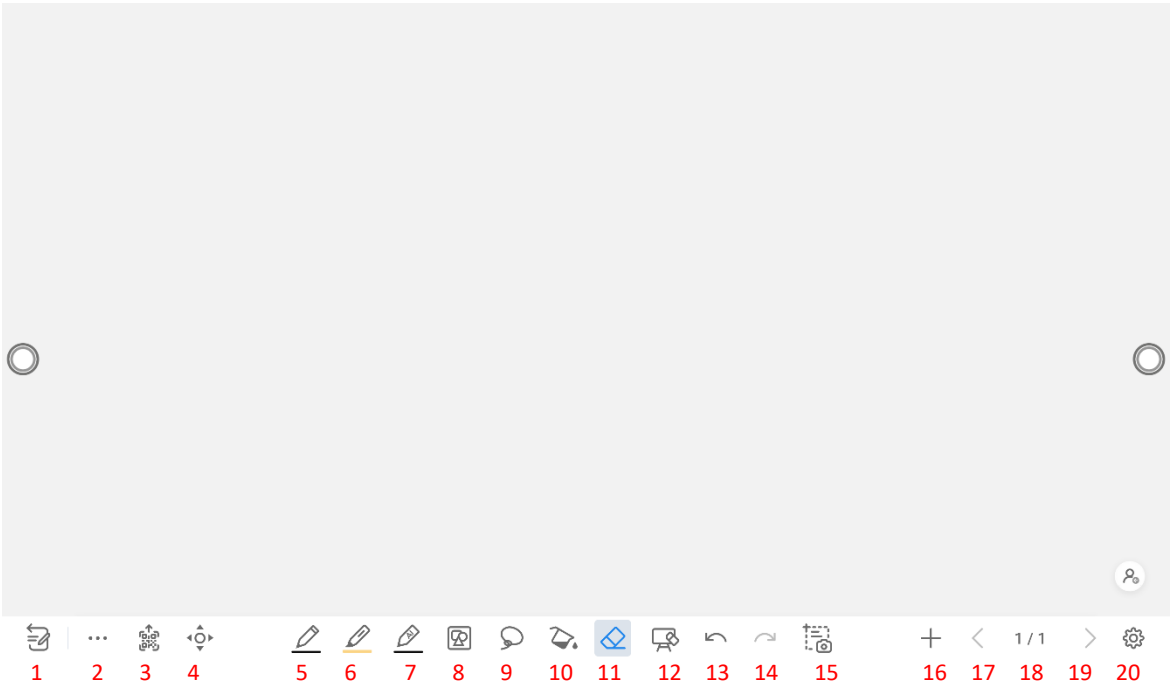
  When Palm eraser is turned on, fingers and pens can also be recognized, and palm and fist will be recognized as large eraser.

Note:

The Palm Rejection and Palm eraser function are available for whiteboard and annotation application, both of which are mutually exclusive and cannot be turned off simultaneously. You can turn on/off Palm Rejection function on the whiteboard setting page.

Whiteboard Mode

- Tap **whiteboard** icon on the Home page or tap **whiteboard** icon on either side toolbar to enter the embedded whiteboard mode, as shown in the following figure:



SN	Icon Name	Icon Function
1	Mode Switch	Tap to switch to annotation mode.
2	More	Tap to enter options interface. Users can insert image, Text, Sticky note, Search Image or Search Web etc.
3	QR Code	Tap to export the whiteboard data into QR Code.
4	Move Canvas	Tap to enter move canvas function, press and move your finger in the page to move canvas and content on it.
5	Pen	Tap to use the pen function, and the icon turns into blue. Tap to set the size and color.
6	Highlighter	Tap to use the highlighter function, and the icon will turn blue. Tap to set the highlighter size or color.
7	AI Pen	Tap to use the AI pen function, you can select the pen type or set the color.
8	Insert Auto shape	Tap to enter the auto shape selection interface. Users can insert the shapes and set the shapes color.
9	Select	Tap to select and edit the whiteboard content. When the object is selected, users can move, zoom in/out, copy, cut, rotate, lock, change layer or delete object.
10	Fill tool	Supports single-click filling of closed areas and drag-and-fill of closed areas formed by connecting the start and end points of a drawn path.
11	Eraser	Tap to select the eraser function and the icon will turn blue. Tap to set the way of eraser.
12	Clear	Clear all data on this page.

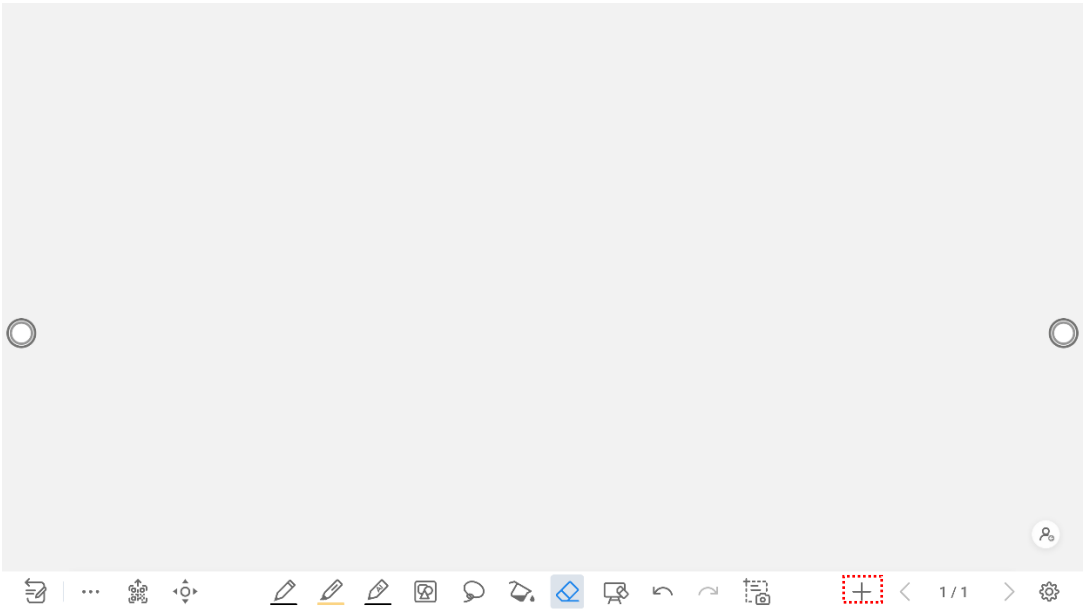
SN	Icon Name	Icon Function
13	Undo	Back to the previous step.
14	Redo	Tap to restore the action that was cancelled in the previous step.
15	Capture	Tap to take a screenshot.
16	New Page	Tap to add a new page.
17	Previous Page	Tap to back to the previous page.
18	Next Page	Tap to go to the next page.
19	Navigation	Tap to show the page thumbnails.
20	Settings	Tap to enter the whiteboard setting interface.

4.3.1 Whiteboard Functions

New Page and Settings

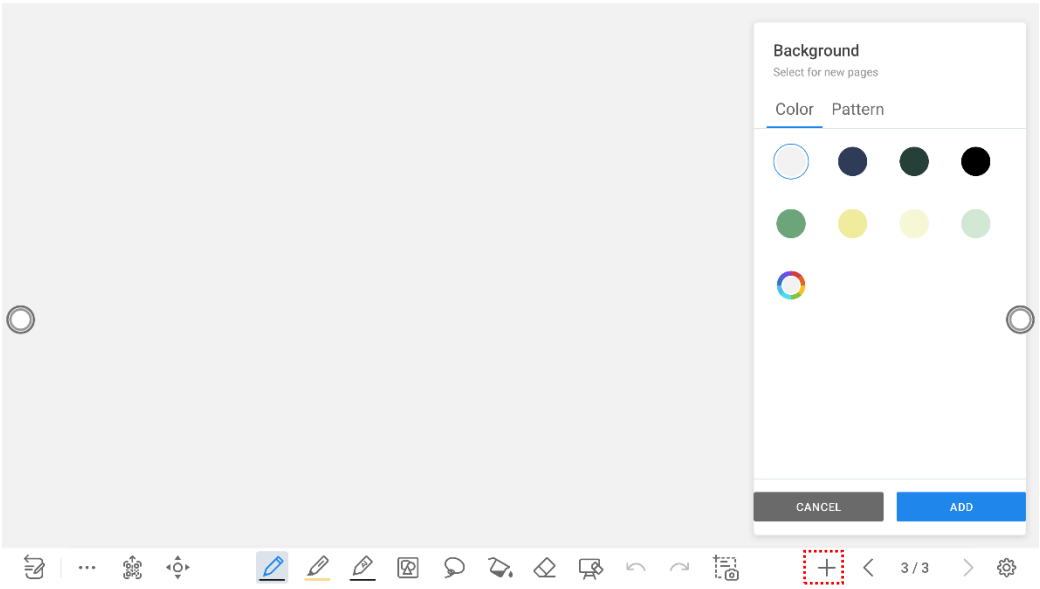
- Create a new page

In discussion mode, tap + new page icon to create a new page. Up to 99 pages can be created. See the following figure:



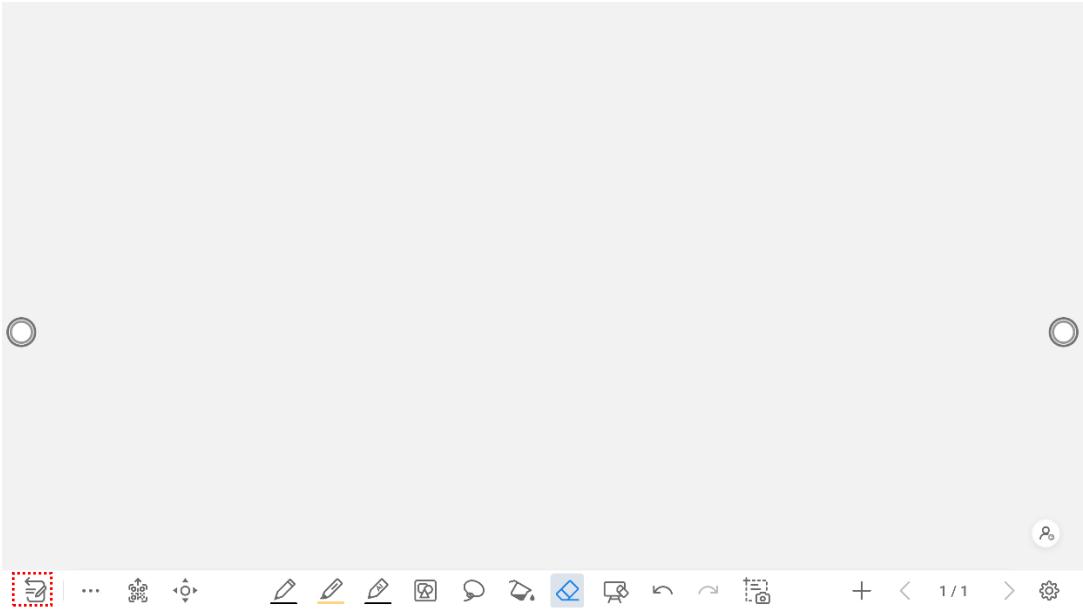
- Page settings

Tap and hold + new page icon for two seconds to enter the background setting. Select the color and pattern and click **ADD** to add a new page. The set color and pattern will be displayed on the new page, as shown in the following figure.



Mode Switch

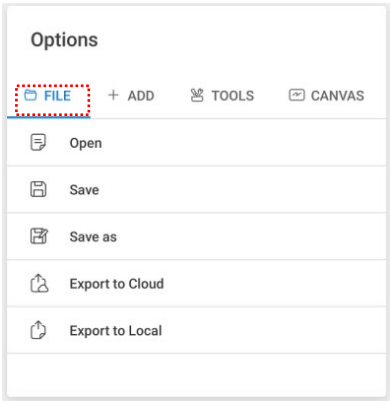
Tap mode switch icon in the lower left corner of the whiteboard mode to switch to annotation modes.



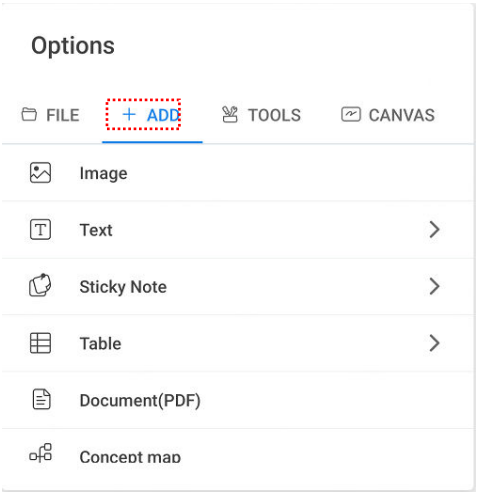
Options

Tap the options icon to enter options interface. Users can manage files, add Text, Sticky note, Search Image or Search Web etc.

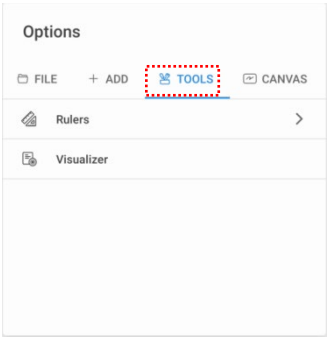
On the **FILE** items, you can import data from file management, save whiteboard files and export whiteboard page.



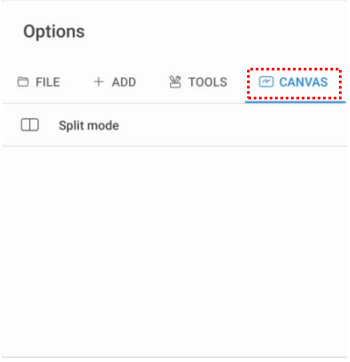
On the **ADD** items, you can import the Images, Text, Sticky note, Table, PDF document, Concept Map, Video, Audio from system files, USB, network. You also can import the Search Image, YouTube Video and Search Web in the internet.



On the **TOOLS** items, you can use rulers to draw line or shape on the page, import the visualizer image etc.

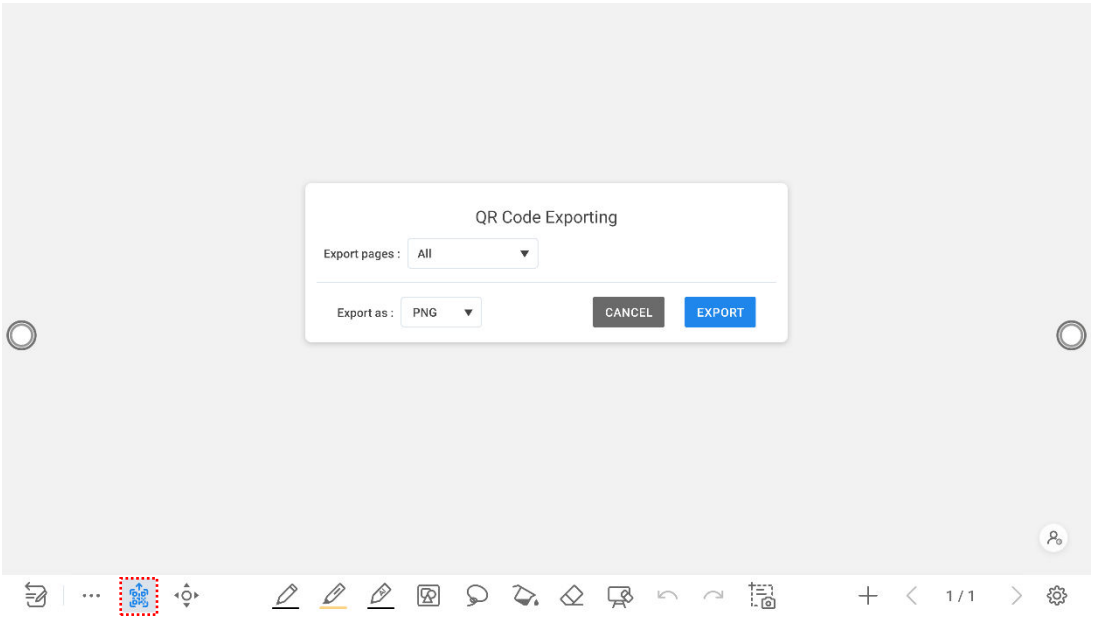


On the **CANVAS** items, you can choose split mode to set the split application.



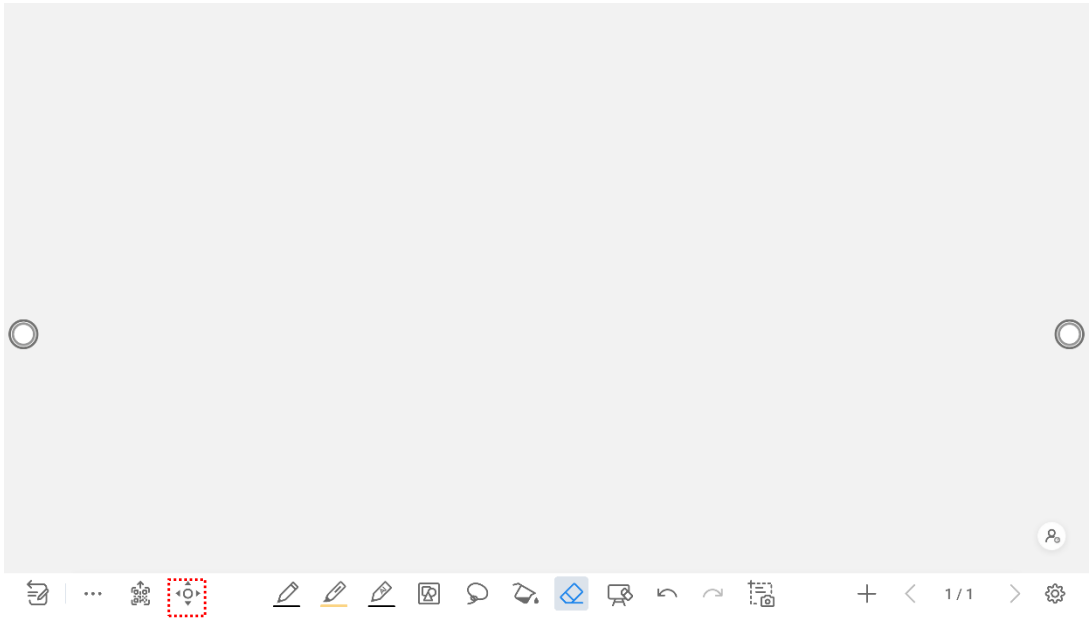
QR Code Export

On the Whiteboard, tap exporting icon to pop up QR code exporting windows. You can export the whiteboard page into QR Code, before that, you can customize the number of export page, change the export format at first.



Move Canvas

On the whiteboard, tap the icon to enter move canvas function, press and move your finger in the page to move canvas and content on it.



Pen Type

On the whiteboard, several types of pens are supported: hard pen, brush, laser pen, magic pen, highlighter and AI pen.

- Hard pen, Brush, Laser Pen, Magic Pen: used to write.

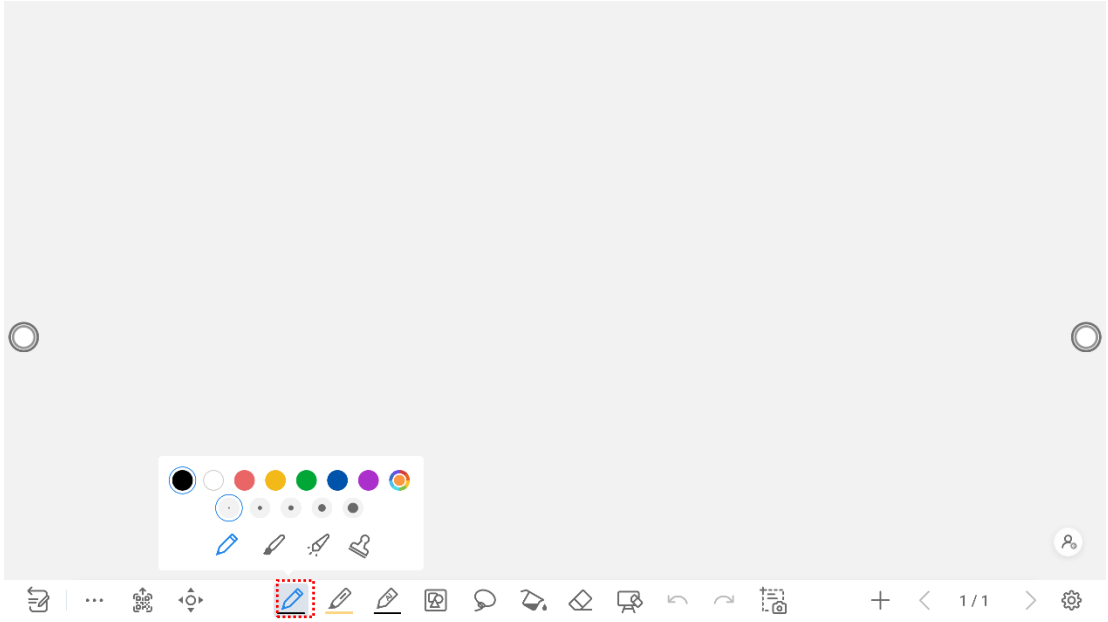
Laser Pen : the written content will disappear automatically after 3 seconds.

Magic Pen: Supports drawing stamps and custom stamp additions.

- Highlighter : used to highlight. Characters covered by comments are still visible.
- AI Pen : used to write, support text recognition and shape recognition.

Line Size and Color

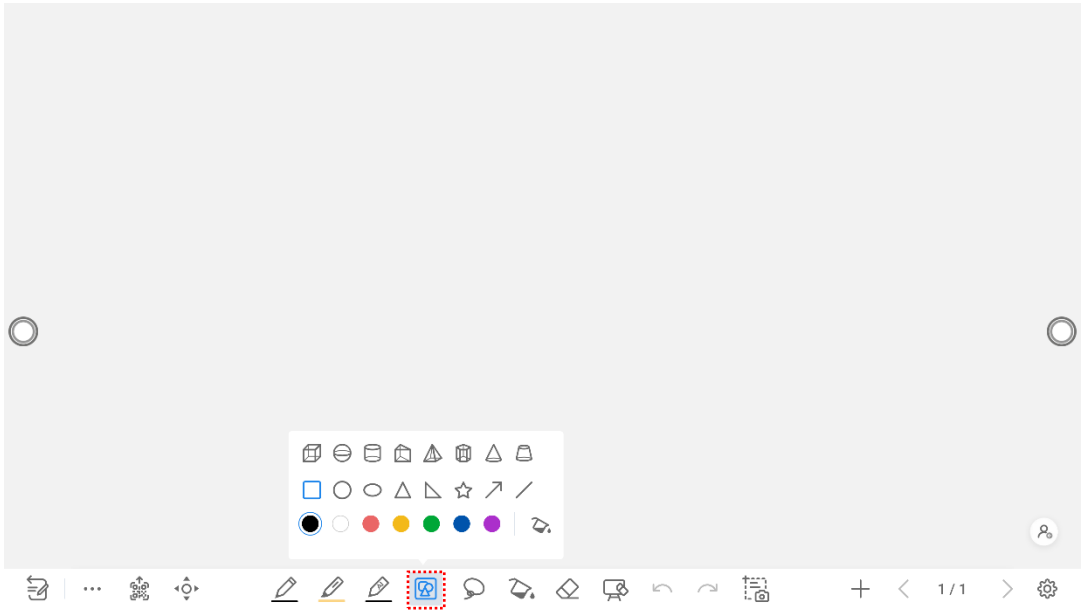
On the whiteboard, tap the pen icon to set the size and color. You can select the line size and color for writing, as shown in the following figure:



Insert auto shape

On the whiteboard, tap shape icon to insert the shape or set the shapes and color.

Shapes: Circular, ellipse, square, equilateral triangle, right triangle, star, arrow, line



The Fill icon supports three status:

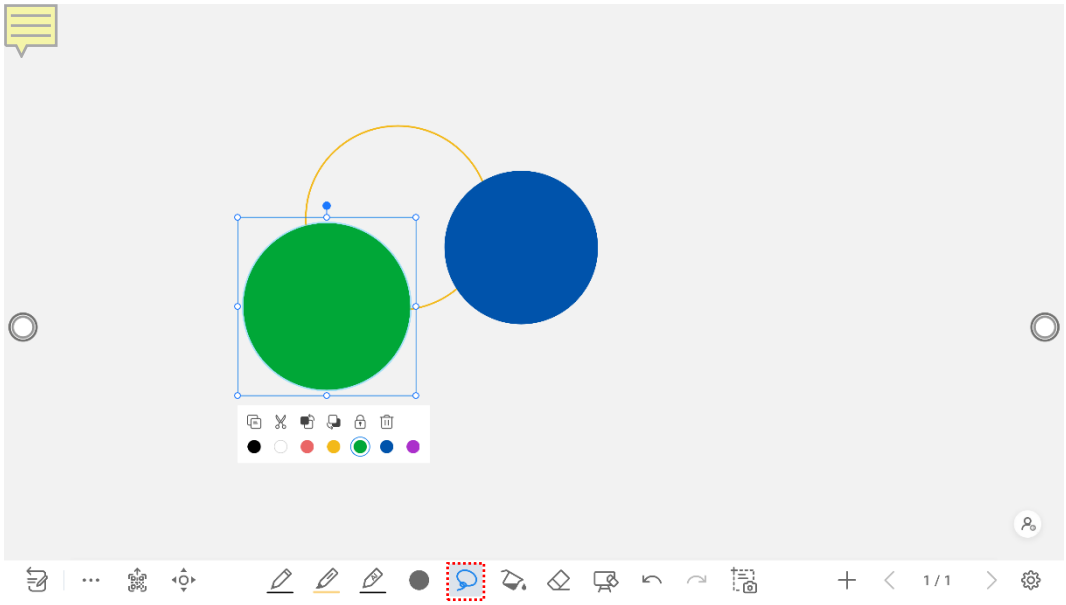
Unavailable: The icon is unavailable when users insert arrow and line;

Unselected: The edge of shapes are colored when the icon is not selected;

Selected: The shape will be filled with colors when you import the shape;

Select

On the whiteboard, tap select icon and user could choose the data on the page to move/ zoom in/ zoom out/ rotate/change colors.

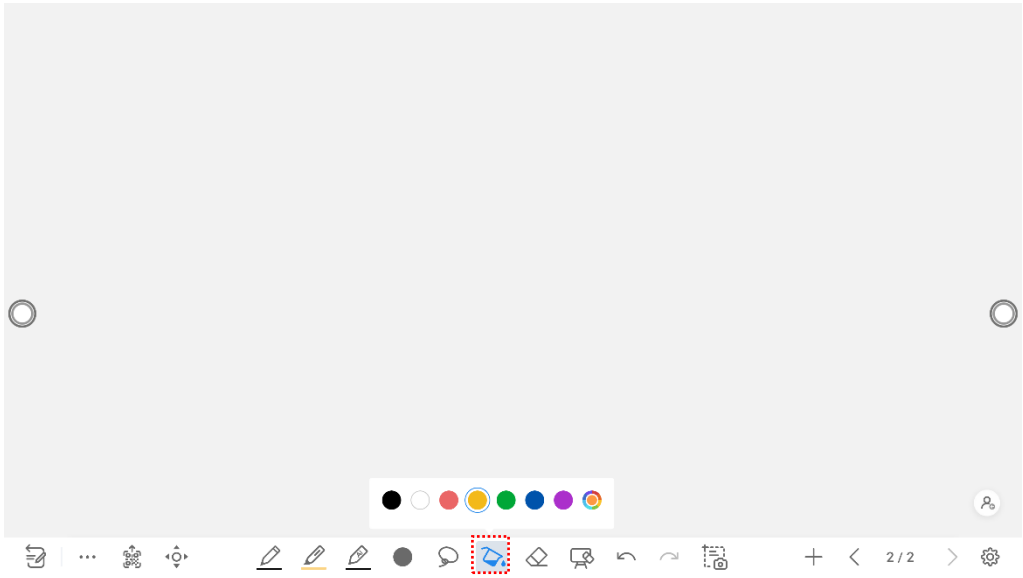


Icons	Functions
Rotate	Long press this icon to rotate the selected items
Copy	Tap this icon to copy the items.
Cut	Tap this icon to cut the items.
Push To Top	Tap this icon to push to top layer.

Push To Bottom	Tap this icon to push to bottom layer.
Lock	Tap this icon to lock the layer.
Delete	Tap this icon to delete the items.
Paste	Paste (Long press the screen around two seconds. The icon will appear only after one object copied or cut)
Unlock	Tap this icon to unlock the layer. (The icon will appear only after one object locked)

Fill

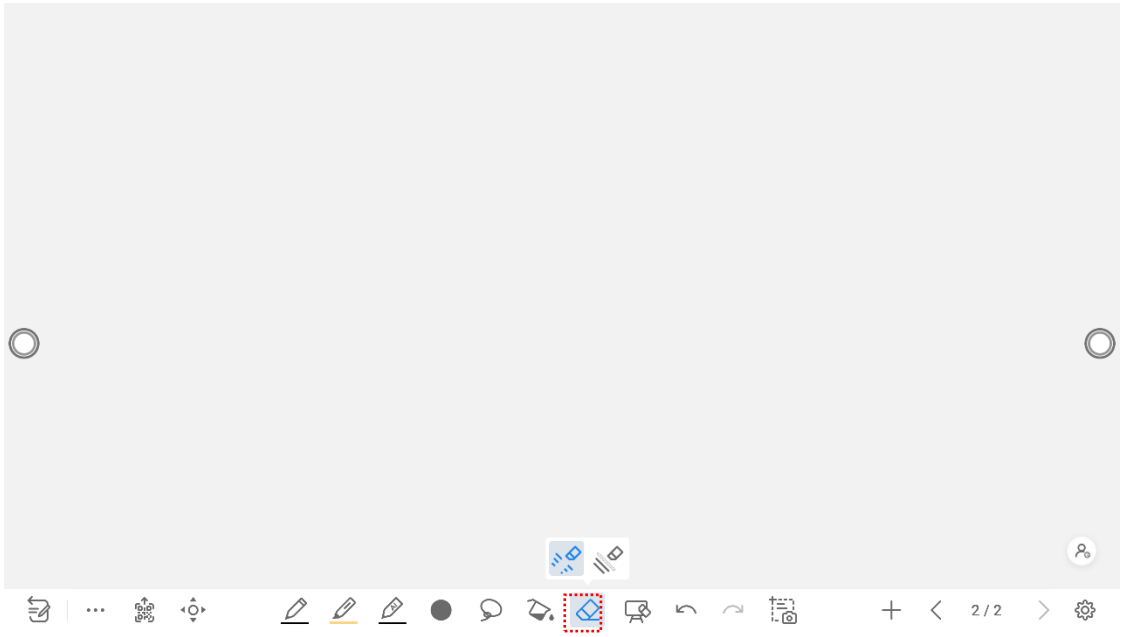
Supports single-click filling of closed areas and drag-and-fill of closed areas formed by connecting the start and end points of a drawn path.



Eraser

Two methods are available to erase written errors or content as follows:

- Partial eraser: Tap Partial eraser icon to clear the passing part of eraser.
- Object eraser: Tap Object eraser icon to clear the whole object.

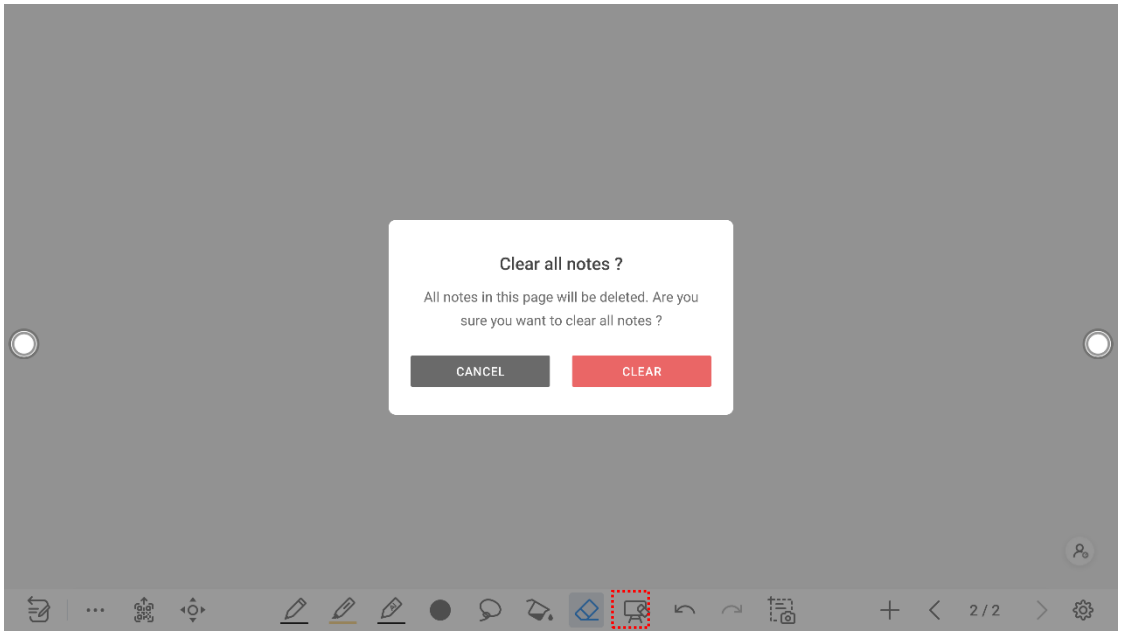


Notes:

You can enter **Settings**> **Default Settings**>**Eraser** to set the type of eraser.

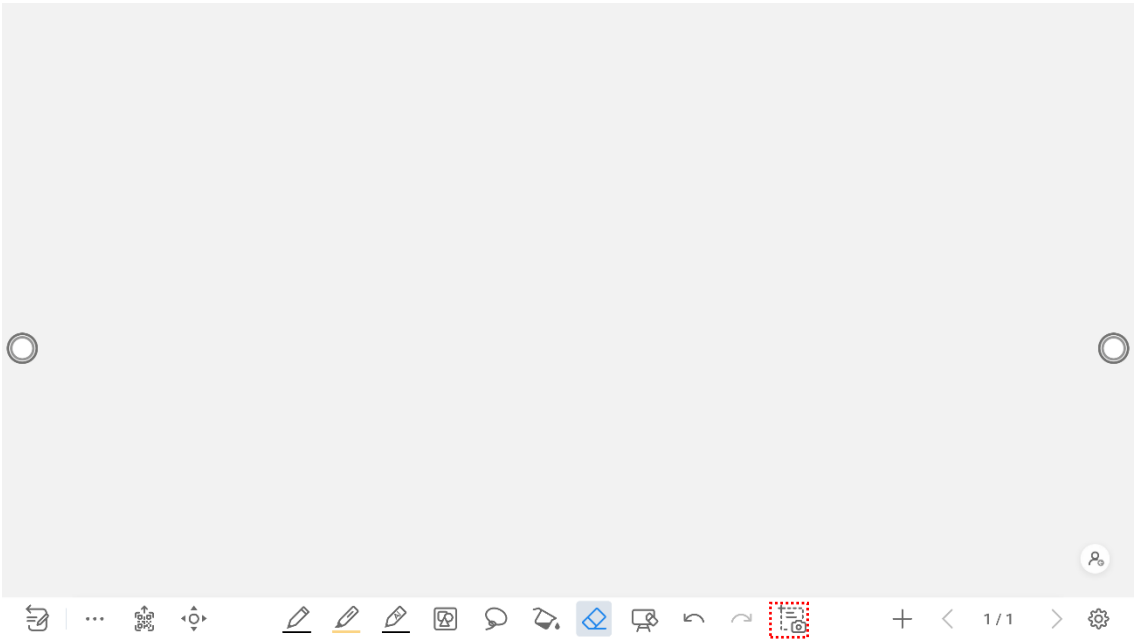
Clear All

On the whiteboard page, tap clear all icon to show the pop-up windows to clear all content on the current page, as shown in the following figure:



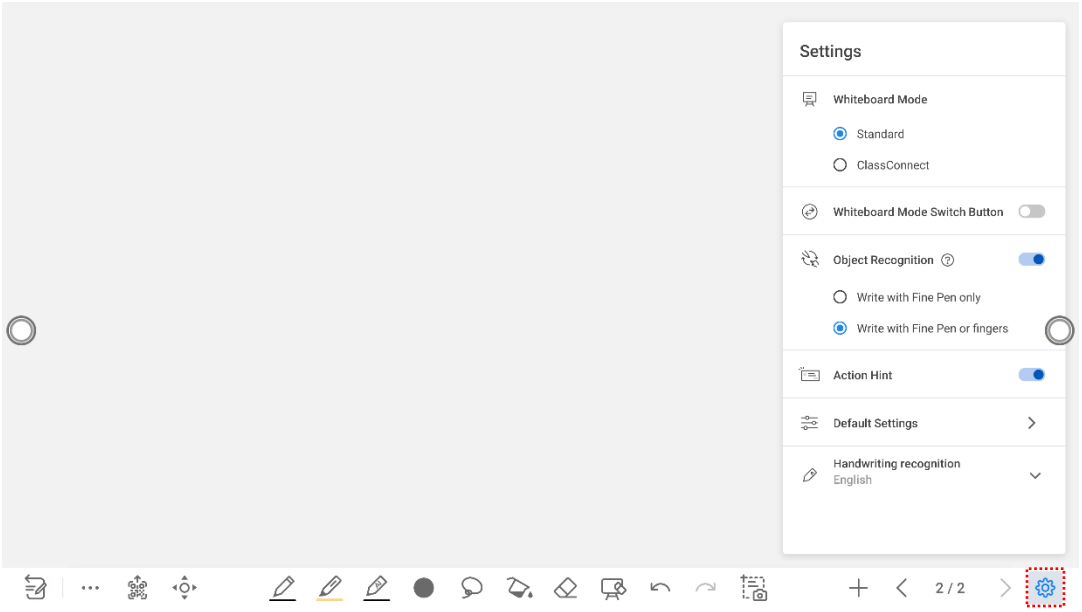
Capture

Tap capture icon to take a screenshot, users can tap capture icon to take a screenshot; tap whiteboard mode icon to switch to whiteboard mode; tap save icon to save screenshot, tap exit icon to exit screenshot.



4.3.2 Whiteboard Setting

Tap the setting icon to enter the settings bar, users can set the Whiteboard Mode, Object Recognition, Action Hint, Default Settings and Handwriting Recognition.



Whiteboard Mode

Whiteboard mode includes two modes: Standard and ClassConnect, with Standard Mode enabled by default. When ClassConnect is selected, the system will enter collaborative whiteboard mode.

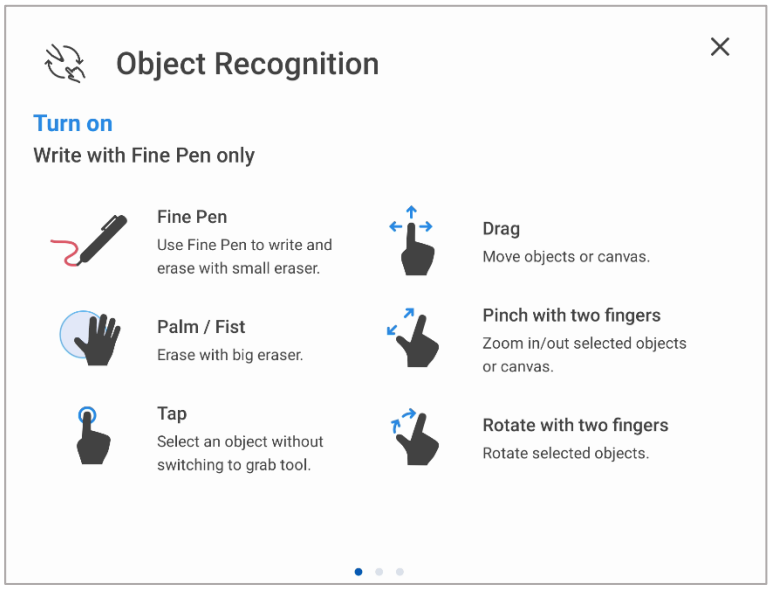
Whiteboard Mode Switch Button

When this function is enabled, a “ClassConnect” shortcut icon appears in the upper-left corner of the whiteboard. Tap this icon to enter ClassConnect.

Object recognition

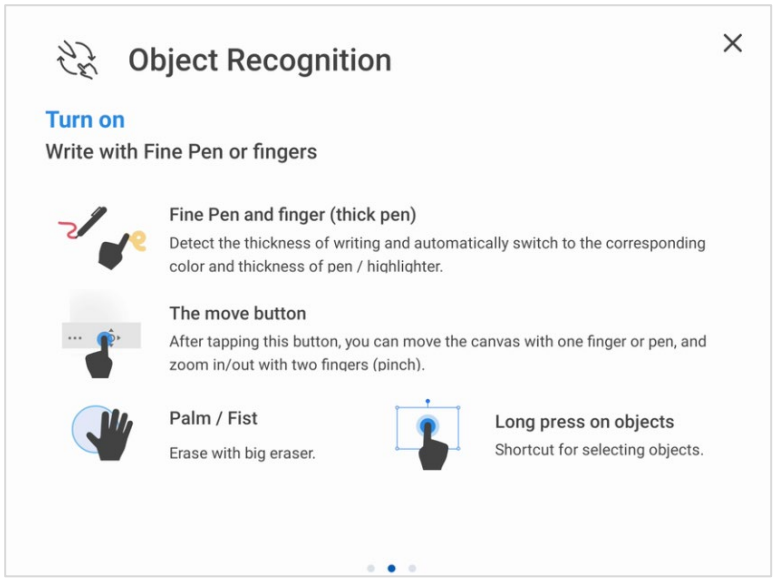
Users can drag the slider to enable the object detection function, tap details icon to view details functions, as shown in the following figure:

Example 1: Turn on write with Fine Pen only



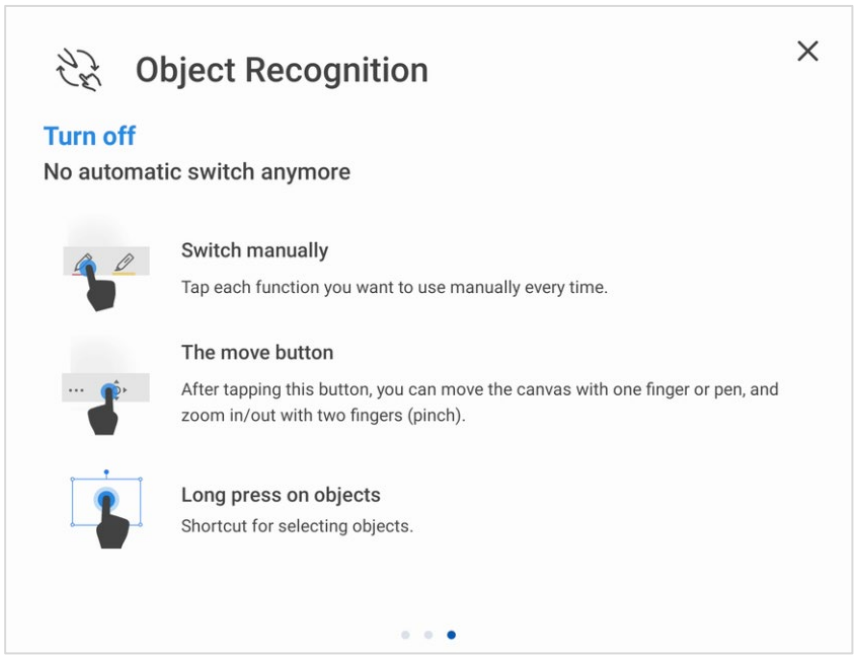
1. Fine Pen (2mm): User Fine Pen to write and erase with small eraser.
2. Fist/Palm: Identified as an eraser (100 pt).
3. Tap: Select an object without switching to grab tool.
4. Drag: Move objects or canvas.
5. Pinch with two fingers: Zoom in/out selected objects or canvas.
6. Rotate with two fingers: Rotate selected objects.

Example 2: Turn on write with Fine Pen or fingers



1. Fine Pen and finger (thick pen): User Fine Pen or finger (thick pen) to write. System will detect the thickness of writing and automatically switch to the corresponding color and thickness of pen or highlighter.
2. The move button: After tapping this button, you can move the canvas with one finger or pen, and zoom in or out with two fingers (pinch).
3. Palm/Fist: Erase with big eraser.
4. Long press on objects: Shortcut for selecting objects.

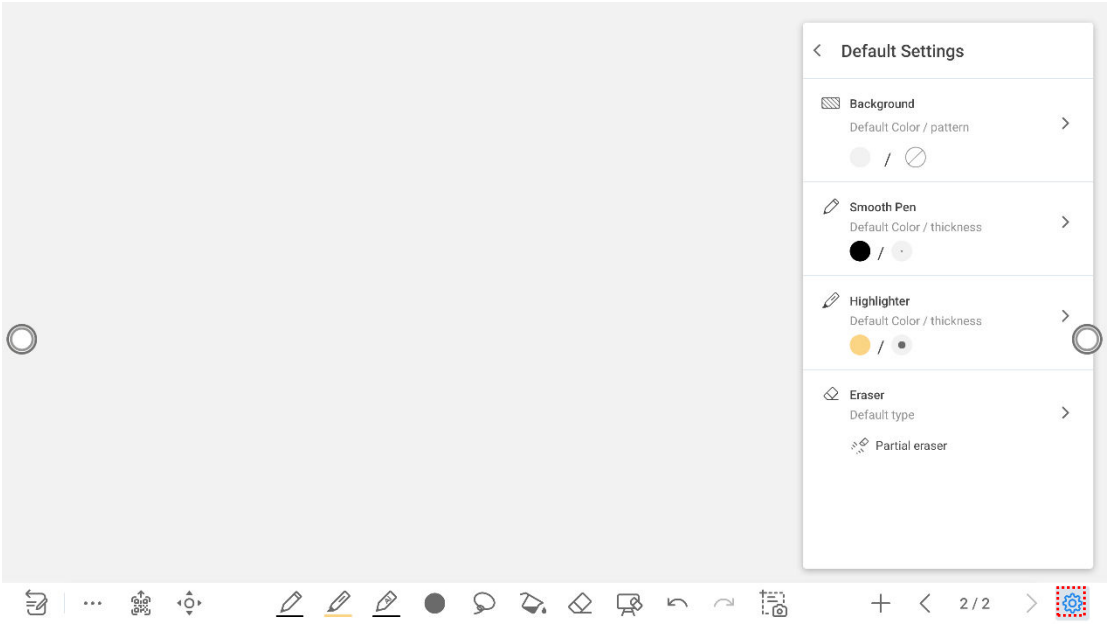
Example 3：Turn off object recognition



1. Switch manually: Tap each function you want to use manually every time.
2. The move button: After tapping this button, you can move the canvas with one finger or pen, and zoom in or out with two fingers (pinch).
3. Long press on objects: Shortcut for selecting objects.

Action hint: Drag the slider to enable the action hint.

Default settings: Tap the button to enter the default setting page, any new page will use the default settings. Users can set whiteboard page background, change the color and thickness of Smooth Pen and Highlighter, change the default type of eraser, both object eraser and partial eraser can be set.



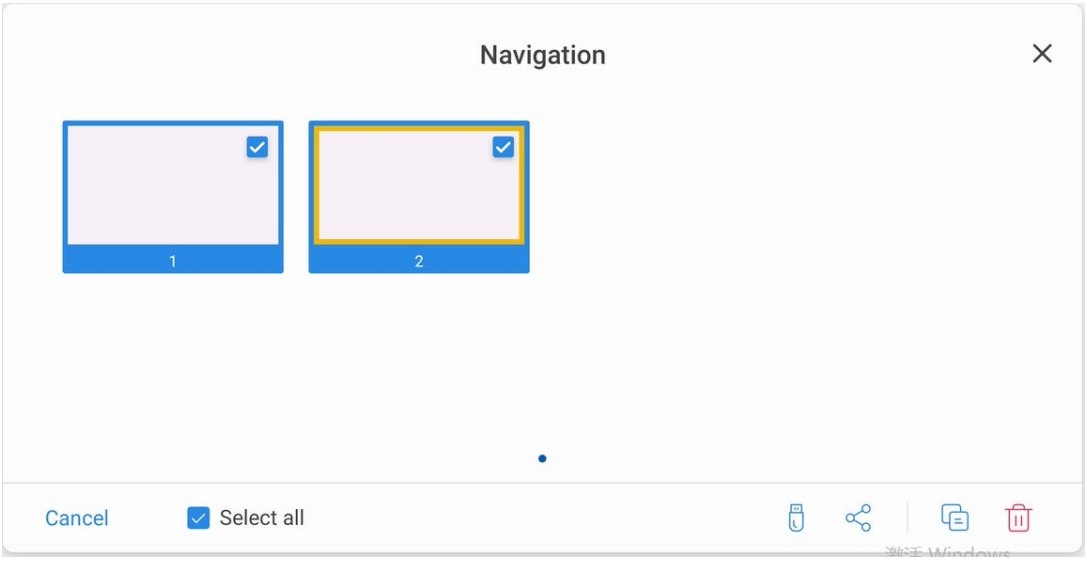
Handwriting recognition: Tap to select the language for handwriting recognition.

4.3.3 Page Operations

You can preview, select, and delete the writing page, you also can save the page to the USB Flash device or local files.

Page Preview

Tap 1 / 1 navigation icon at the lower right corner in the whiteboard mode. All pages will be displayed. Tap one page to switch to that page for more operations, as shown in the following figure.



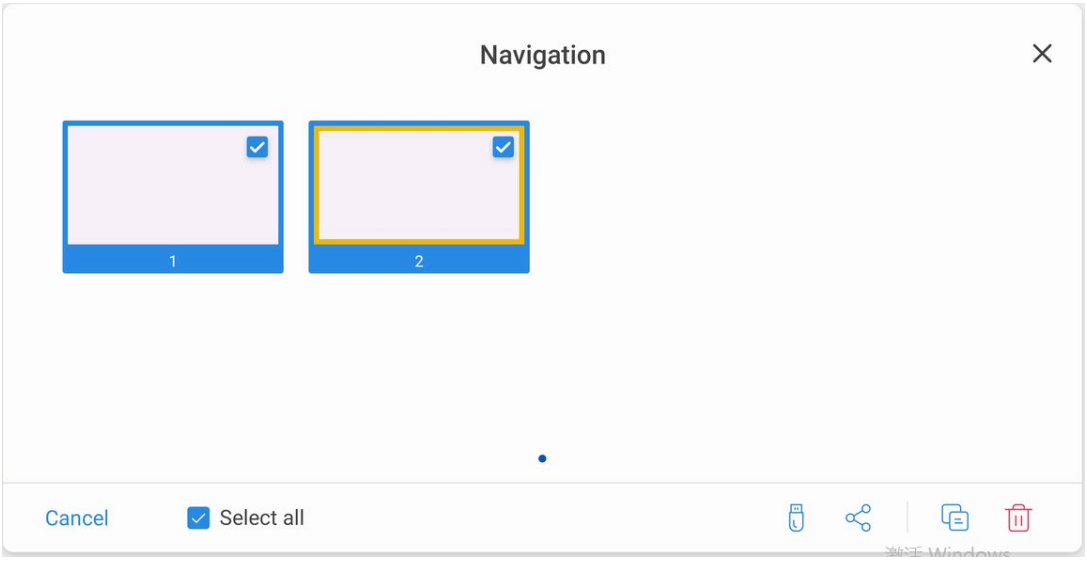
NOTE

Only 8 pages are displayed at once. You can slide right or left using one finger to see more.

Page Operation

On the **Navigation** page, you can select or delete writing pages according to requirements, as shown in the following figure:

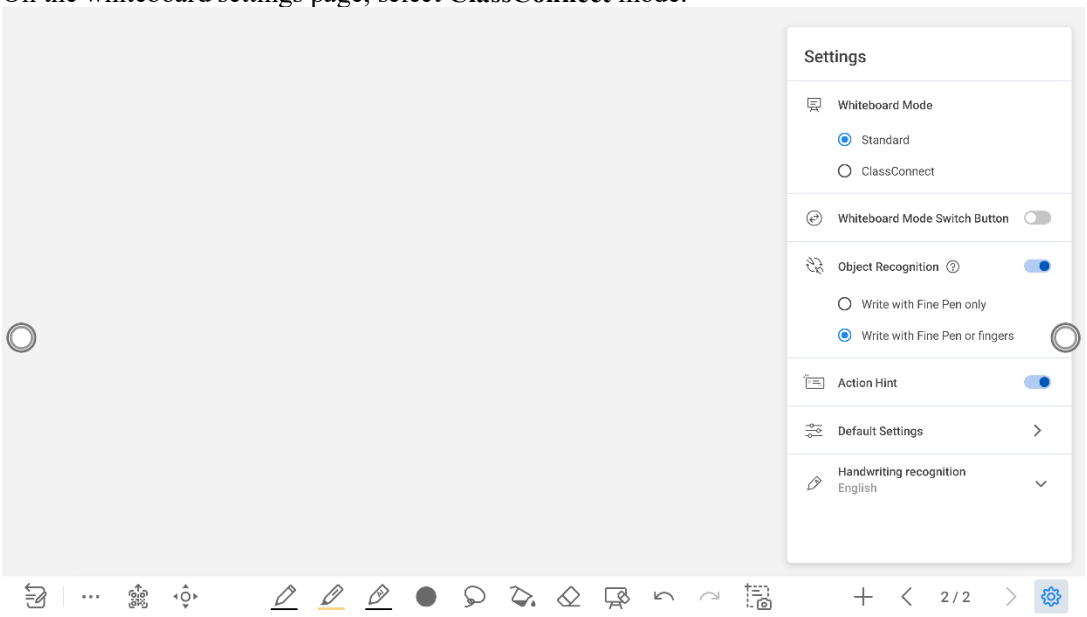
- Tap to select pages.
- Tap to save the writing pages to USB flash device.
- Tap to share the writing pages to local file or AquaMail.
- Tap to copy the page.
- Tap to delete selected pages.



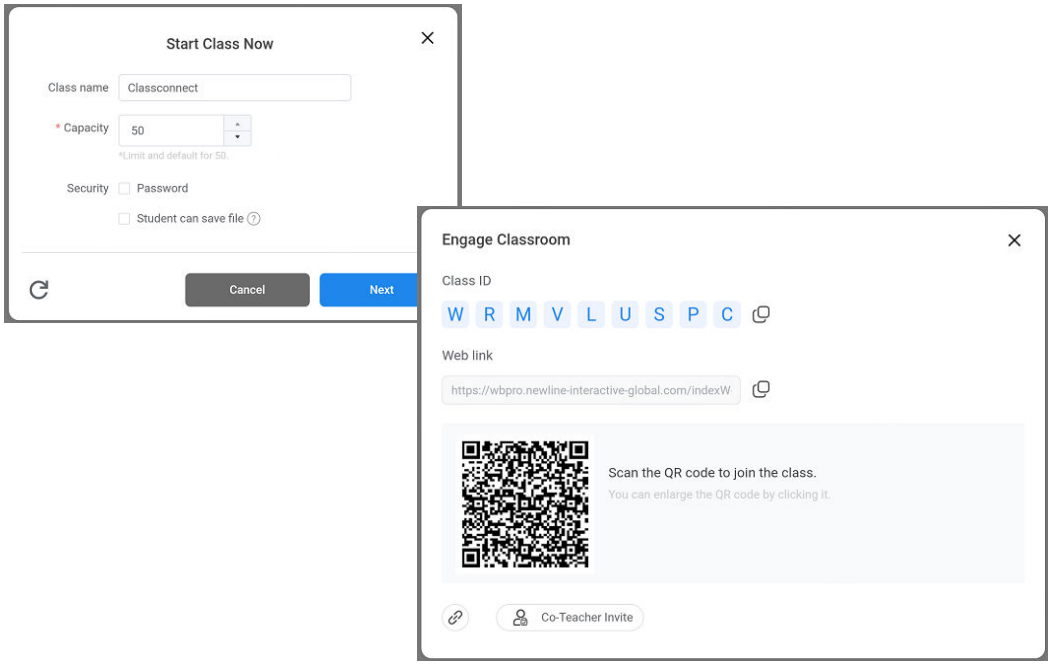
4.3.4 ClassConnect

ClassConnect is designed to streamline remote whiteboard interactions. Users can create a classroom session. After attendee join via QR code or URL link, the teacher's writing and drawing on the whiteboard will be displayed in real time on the viewer's end.

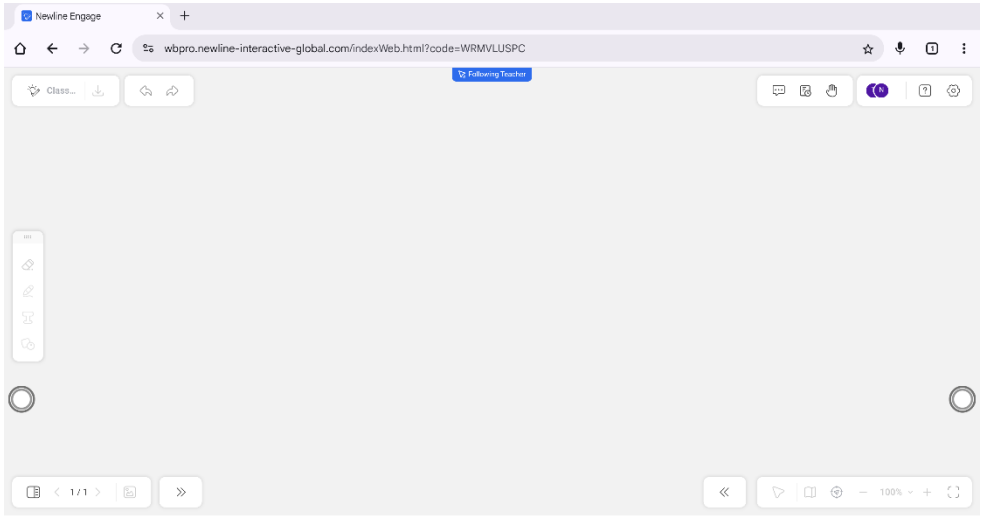
Step 1 On the whiteboard settings page, select **ClassConnect** mode.



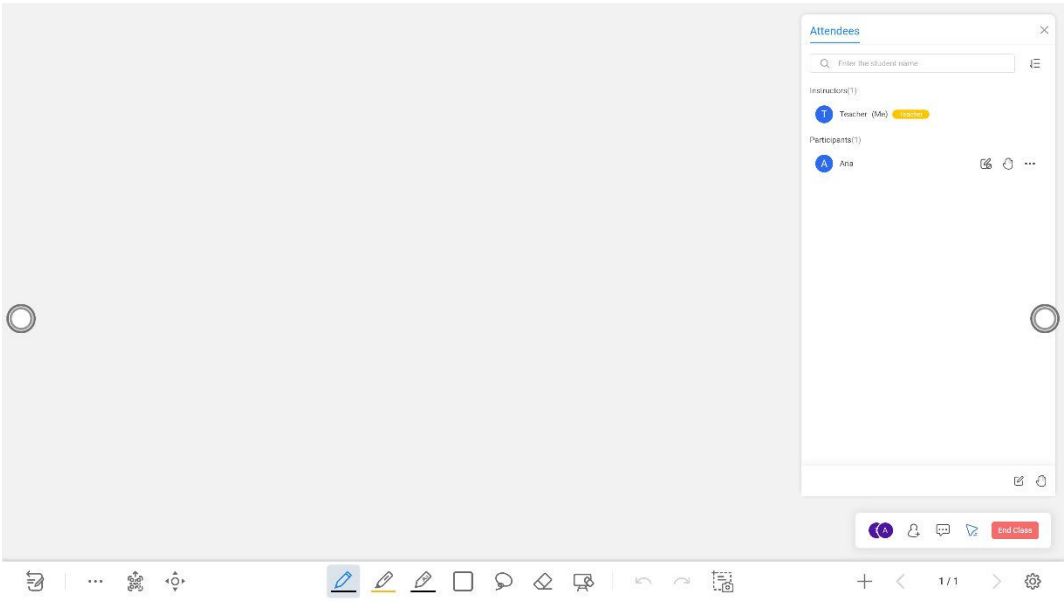
Step 2 Tap the **Share** to start class; tap **Next** to automatically generate the Class ID, web link, and QR Code.



Step 3 Attendees can join the class via a web browser or by scanning a QR code through a third-party app, where they will see the whiteboard page shared in real time by the teacher.



Step 4 The teacher console can set permissions and remove participants from the attendee list.

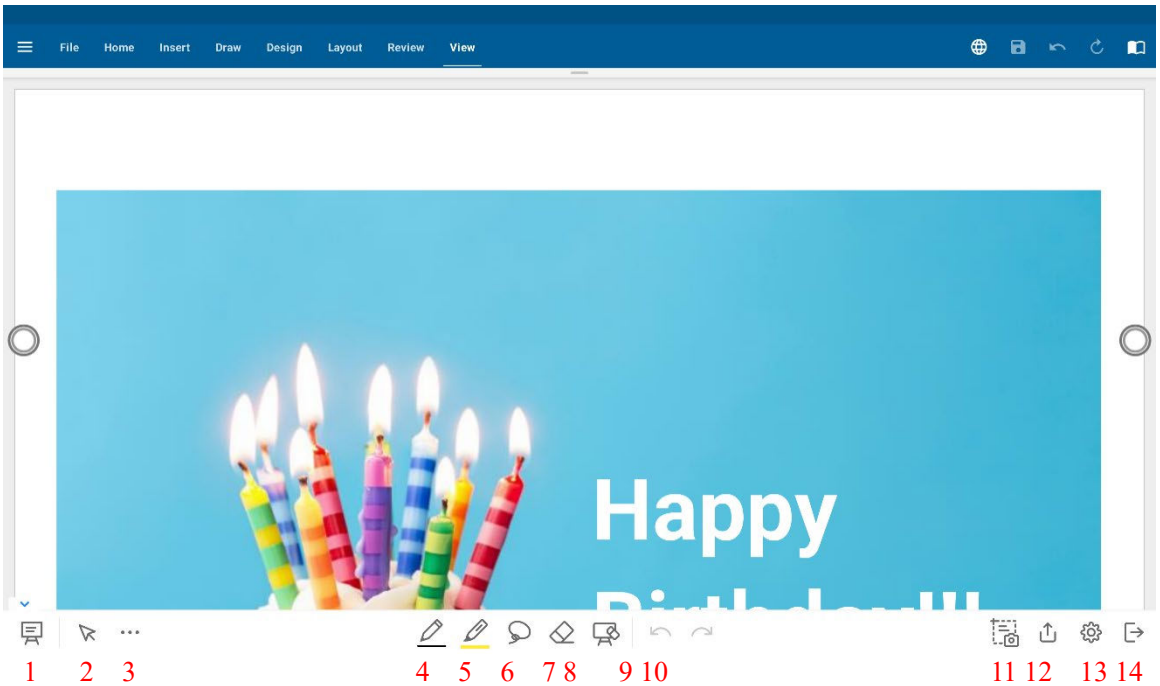


4.3.5 Annotation

In annotation mode, the system generates a transparent layer at the top of the screen, and users can add annotations to the transparent layer until the annotation mode is exited.

The user can enter the annotation mode through the following two methods:

- Tap the " " discussion icon in the toolbar;
- In the "**Whiteboard**" interface, tap the " " mode switch icon.

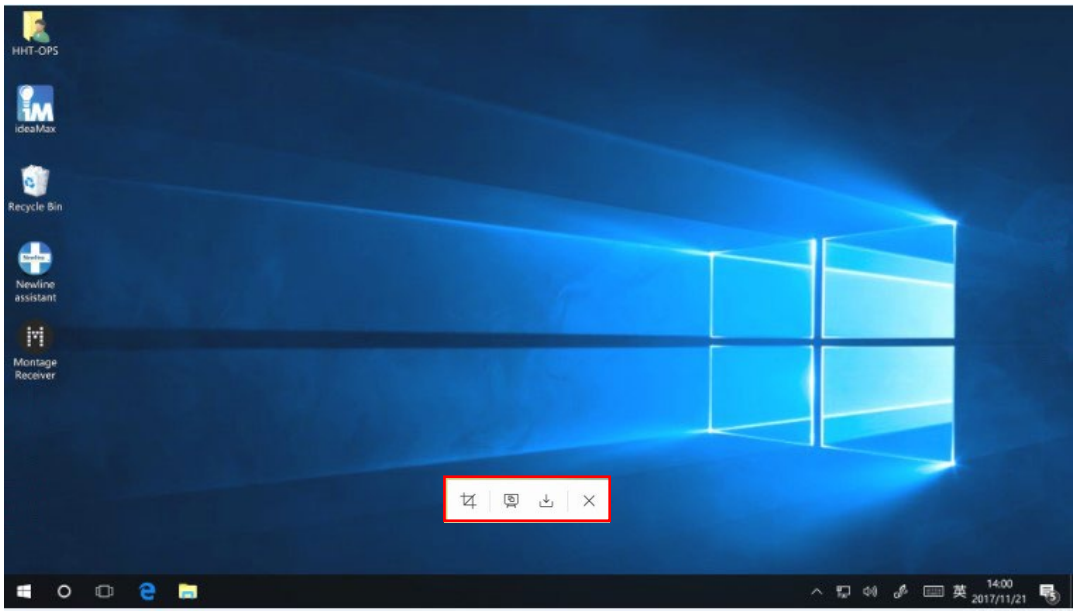


SN	Icon Name	Icon Function
1	Whiteboard	Tap to enter the whiteboard application.
2	Mouse	Tap to return to the current interface from the annotation mode to control the application or interface.

SN	Icon Name	Icon Function
3	Files	Tap to select PPT,PPTX and PDF format file to import into the annotation interface for annotation.
4	Pen	Tap to use the pen function, tap again to set the size or color. And the chosen color and the size would be shown by the icon.
5	Highlighter	Tap to use the Highlighter function, tap again to set the size or color. And the chosen color and size would be shown by the icon.
6	Select	Tap to select and edit the whiteboard content. When the object is selected, users can move, zoom in/out, copy, cut, rotate, lock, change layer or delete object.
7	Eraser	Tap to enter the eraser function and the icon will turn blue. Tap again to set the way of eraser.
8	Clear	Clear all data on this page.
9	Undo	Back to the previous step.
10	Redo	Tap to restore the action that was cancelled in the previous step.
11	Screenshot	Tap to take a screenshot, you can customize the way of saving.
12	Save	Tap to enter the navigation page, you can select and save the page to the USB Flash device or local files.
13	Setting	Tap to enter the annotation setting interface.
14	Close	Tap to exit the annotation mode.

Take a Screenshot

Tap capture icon to enter take a screenshot interface, users can tap capture icon to take a screenshot; tap whiteboard mode icon to switch to whiteboard mode; tap save icon to save screenshot, tap exit icon to exit screenshot.



Settings

Tap settings icon to pop up settings interface, you can turn on/off object recognition, Action hint, Auto screenshot and switch to Float Annotation Mode.

If Auto Screenshot setting is on, system will automatic take a screenshot when exiting the annotation mode.

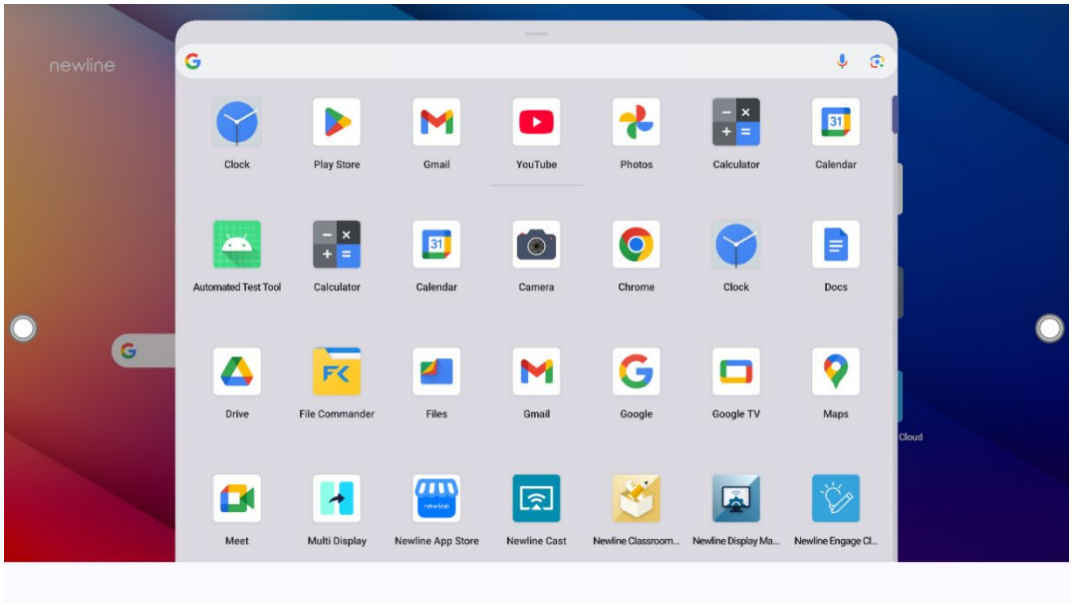
If Float Annotation Mode is on, the annotation toolbar will always be displayed at the top of the page.

Notes:

If you need more details instruction, please refer to whiteboard setting.

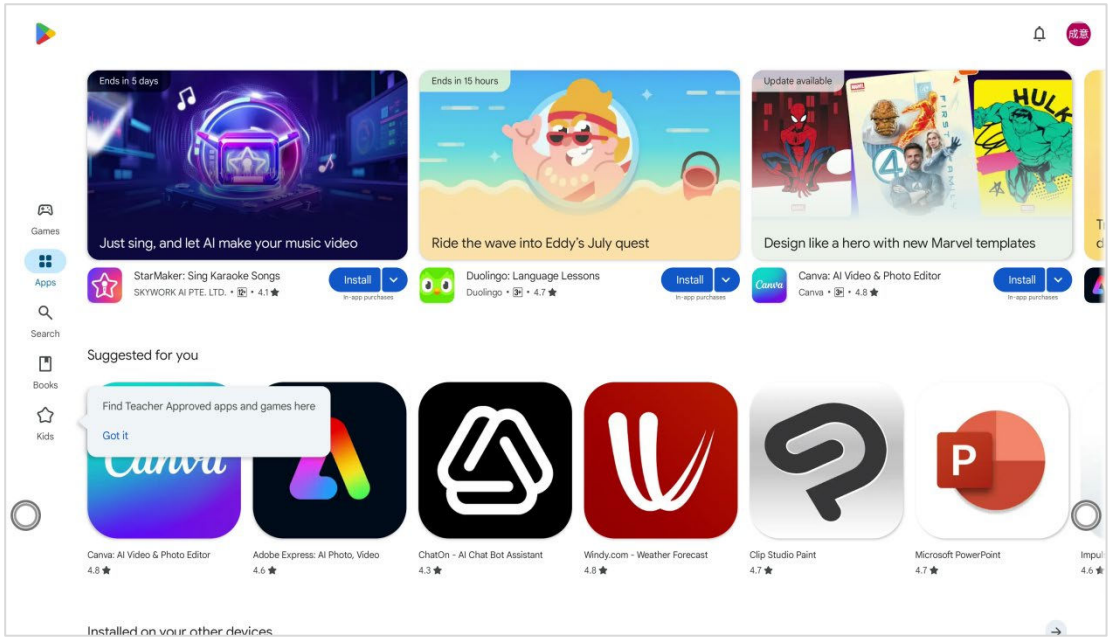
4.4 Application

On the Home page, slide up to view all applications. The following figure shows applications that the system is delivered with.



4.4.1 Google Play Store

Enter the Play Store, you can install apps as you need, enter my apps to uninstall the applications.

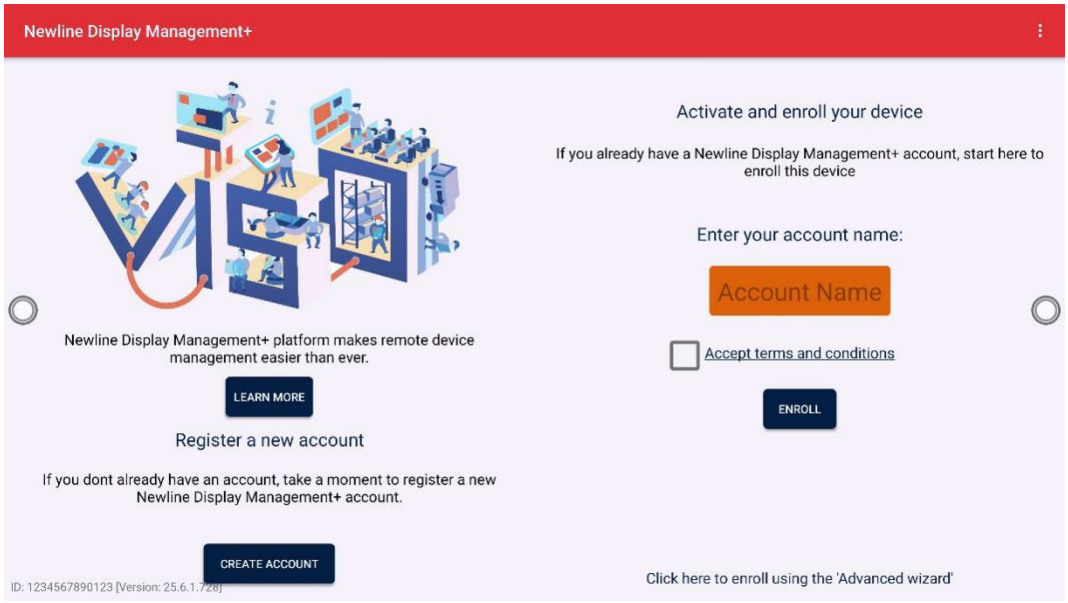


Notes:

Before installing an application, ensure that the installation lock is closed.

4.4.2 Newline Display Management+plus

Newline Display Management Plus is a remote display management solution that enables users to centrally manage the Newline displays from the comfort of their desk. Users can deploy and install apps, configure display settings, and push updates without communicating back and forth.

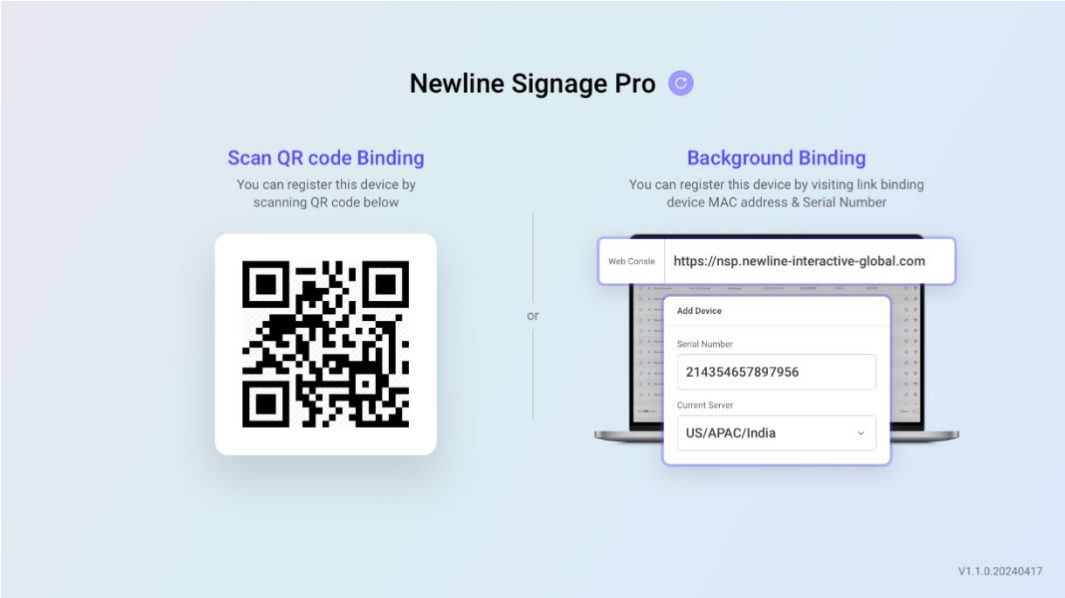


Notes:

Please visit our website at www.newline-interactive.com and enter **Product > software solutions** to get more details about Newline Cast and Newline Display Management.

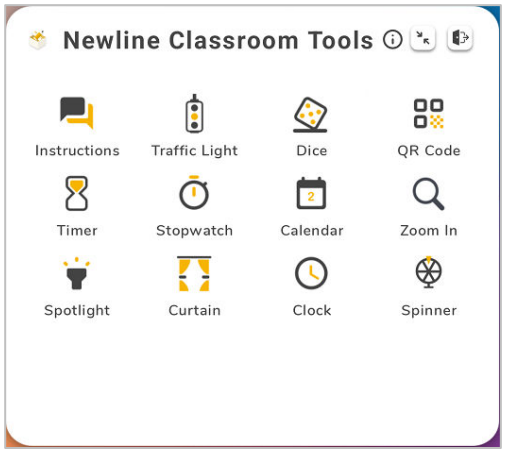
4.4.3 Newline Signage Pro

Newline Signage Pro is an advanced digital signage software designed to make content management and deployment simple and efficient. Newline Signage Pro provides a complete digital signage solution for schools and businesses.



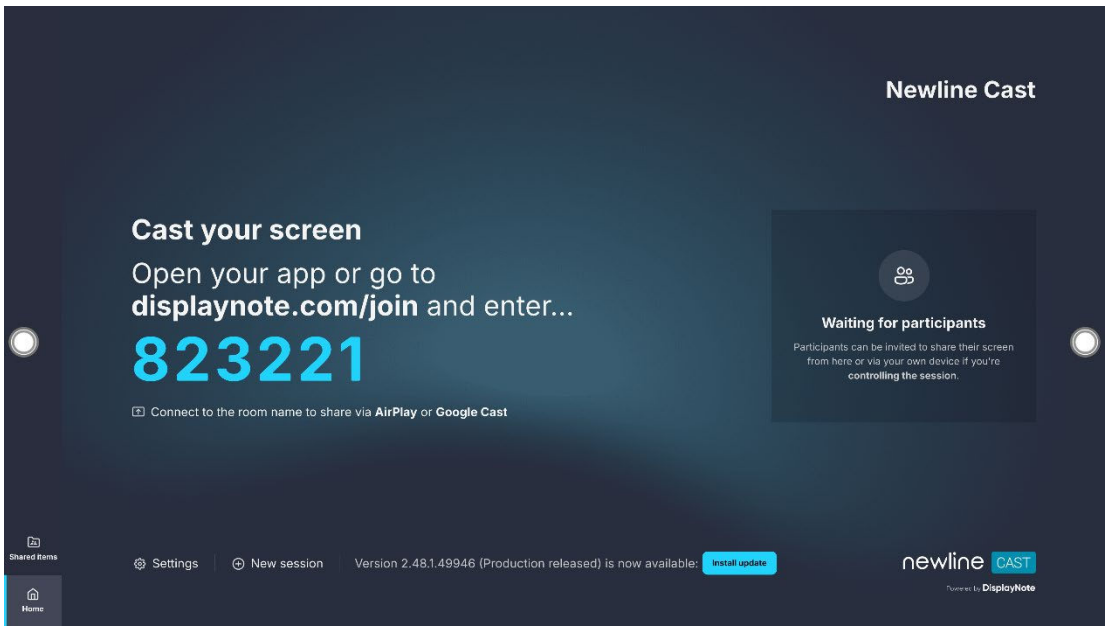
4.4.4 Newline Classroom Tools

The Classroom Tools widget is active in the background until the teacher needs it. As an overlay, the teacher opens the tools menu even after navigating between screens. This cuts down transition time and the number of devices needed throughout the day such as a timer, stopwatch, and more.



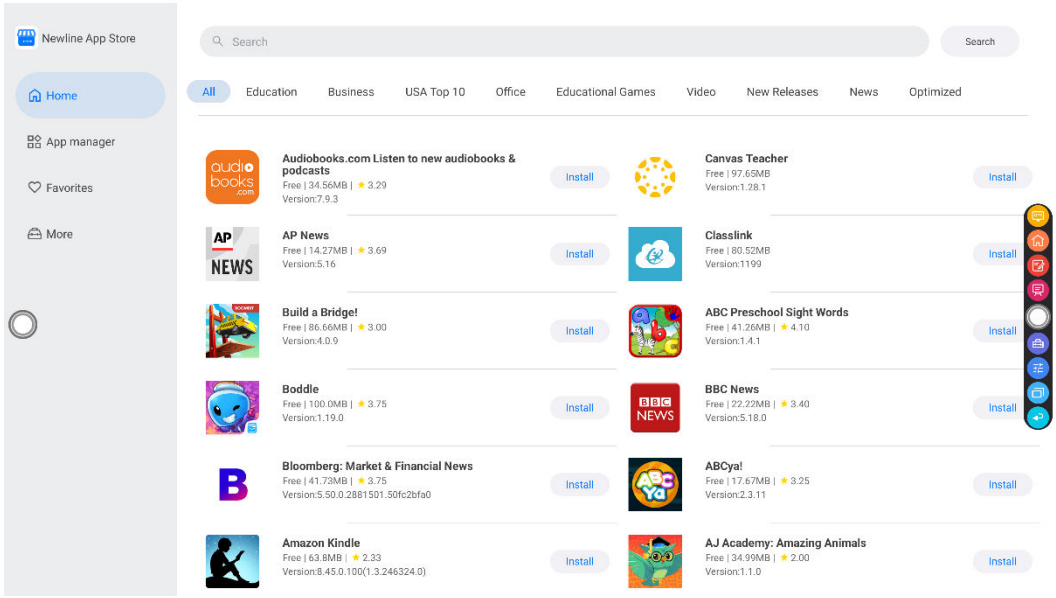
4.4.5 Newline Cast

Multiple devices can be cast wirelessly to the display through several casting modes (Airplay, Google Cast…). To cast: tap Screen Sharing on the Home Page to enter Newline Cast. On screen directions will appear for you to follow in order to wirelessly cast to the display, as shown in the following figure:



4.4.6 Newline App Store

Enter the Newline App Store, you can install apps as you need, enter my apps to uninstall the applications.

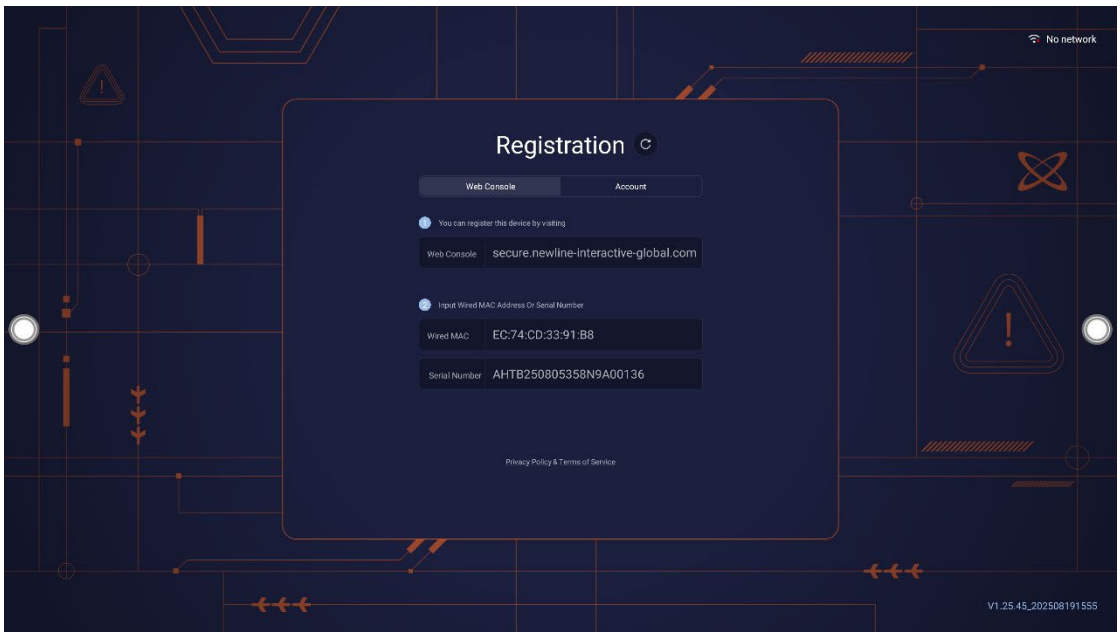


Notes:

Before installing an application, ensure that the installation lock is closed.

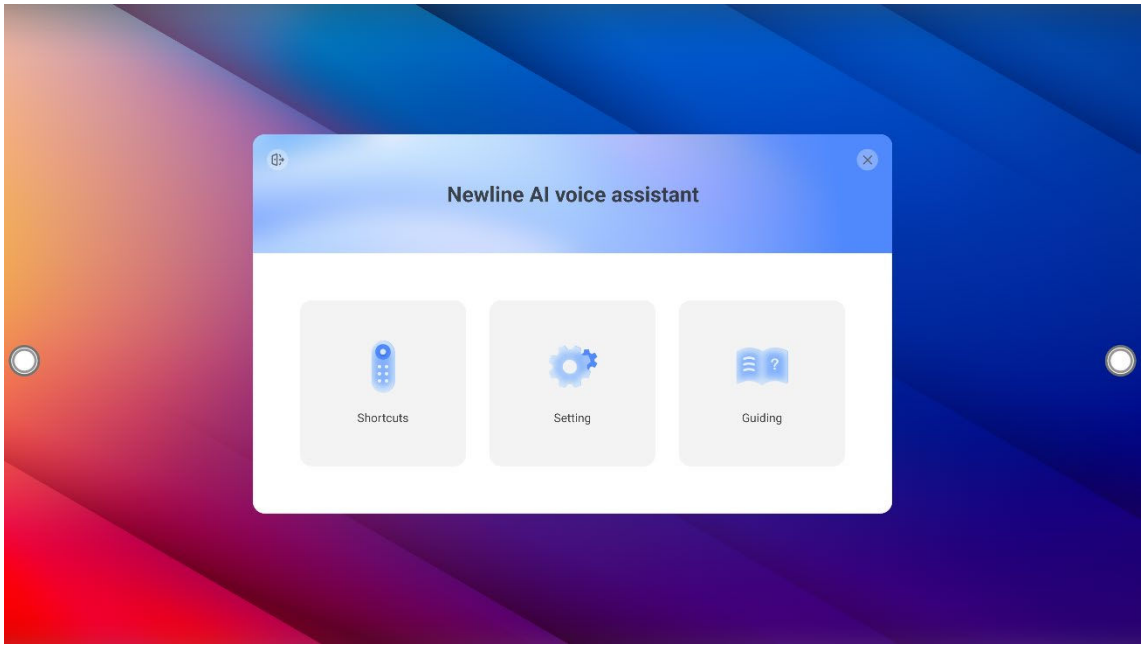
4.4.7 Newline Secure

Newline Secure is a Common Alerting Protocol (CAP) integration software that offers robust security alerting capabilities, enabling organizations to receive and process CAP messages from third-party security platforms.



4.4.8 Voice Assistant

Newline AI voice assistant is an AI software that enables users to control IFPD via voice commands using a voice remote. More efficient, more convenient.



4.4.9 Record Screen

Tap the “ ” Record icon on the Application page to enter “**Screen Recorder**”, User can choose to screen record with or without external audio (Microphone) sound.

Tap start icon to start screen recording, tap pause icon to pause the screen recording, tap exit icon to exit screen recording application.

NOTE

The recording will be saved in "**Internal Storage**">"**Movies**".

4.4.10 Sound Recorder

Tap the "" Sound Recorder icon on the application page to enter "**Sound Recorder**", tap create icon to create new record. Record the voice via the built-in microphone array. Voice meeting minutes made ease.

Tap create icon again to end the recorder, you can save your data to internal storage.

NOTE

- Record only works in Android system.
- The recording will be saved in "**Internal Storage**">"**Sound Recorder**".

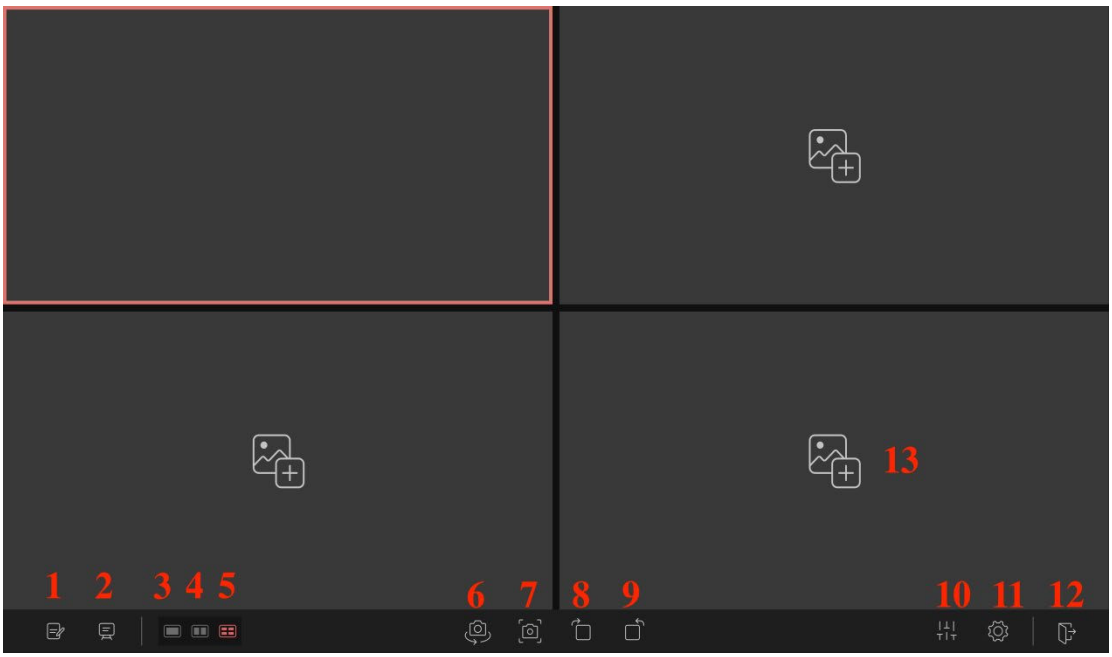
4.4.11 Files

The product supports connection to USB flash memory. In Files application, you can preview all files in the internal storage and storage devices connected via USB ports.

Functions	Instruction
File Preview	Tap the submenu on the left side to preview recent files, images, videos, audio, documents and downloads files, files on the external storage devices connected via the USB ports.
File Search	Tap Search icon and enter the keywords in the search box. The system will display a list of files that match the searched for keywords.
File Filtering	Tap more icon on the upper right corner to choose the file sorted by name or modified.
File Operation	Tap more icon on the upper right corner to select, copy, paste, delete, move and share the files.

4.4.12 Visualizer

This product supports the use of external visualizer, after the visualizer is connected, tap the "" visualizer icon to access the visualizer application.

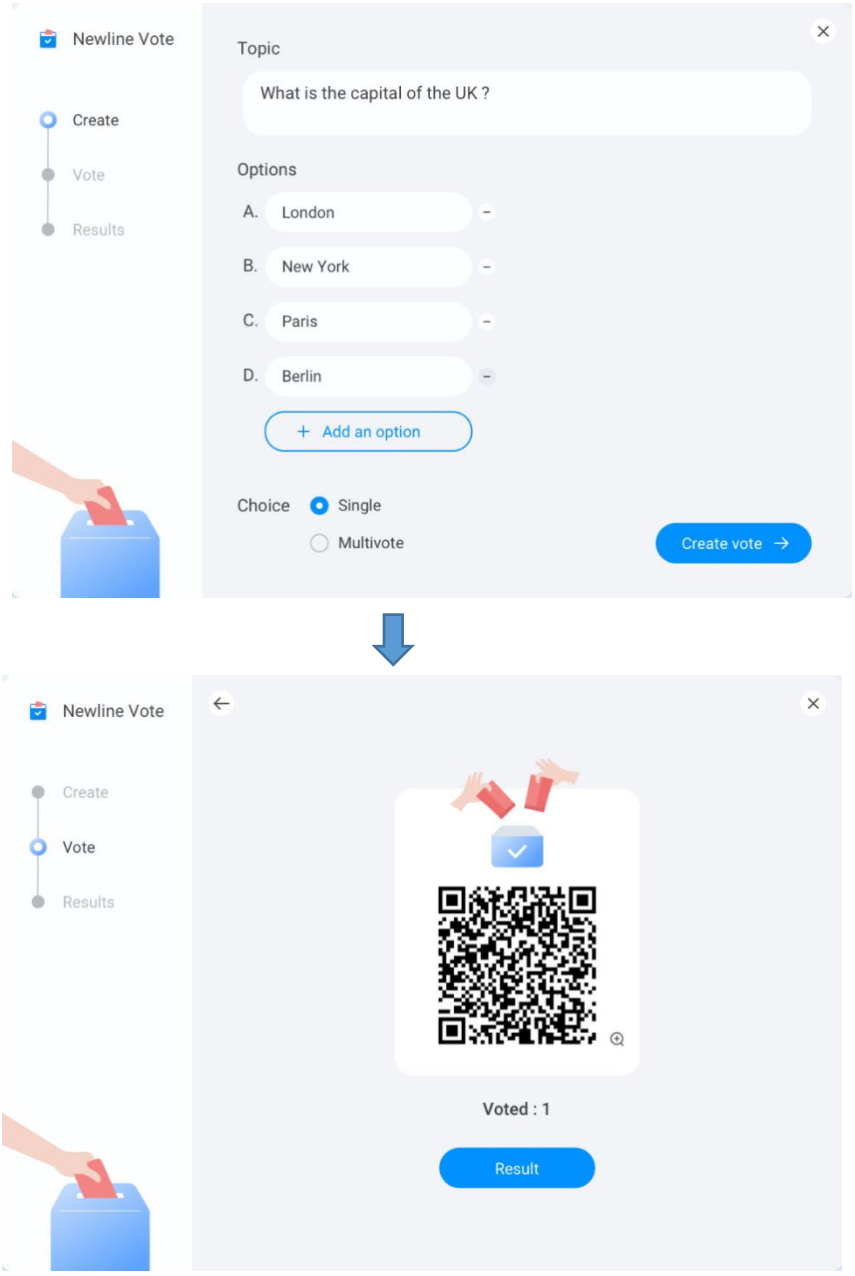


SN	Icon Name	Icon Function
1	Annotation	Tap to enter annotation mode.
2	Whiteboard	Tap to enter whiteboard mode.
3	Screen Display	Tap to display the visualizer camera.
4	Screen Split Mode (2)	Tap to display in 2 split screen mode.
5	Screen Split Mode (4)	Tap to display in 4 split screen mode.
6	Camera Switch	Tap to switched the camera on back and forth.
7	Capture	Tap to take a screenshot, you can paste the screenshot on whiteboard, save it to files, save it to USB or Share it.
8	Rotation (Clockwise direction)	Rotate the camera image by clockwise direction.
9	Rotation (Counter-Clockwise direction)	Rotate the camera image by counter-clockwise direction.
10	Adjustment	Tap to adjust the brightness, contrast, saturation, sharpness.
11	Setting	Tap to set image mode, resolution, color system.
12	Exit	Tap to exit the visualizer.
13	Insert	Tap to capture or inset image from the files.

4.4.13 Vote

Tap the “ ” vote icon on the Application program to enter “**Vote**”:

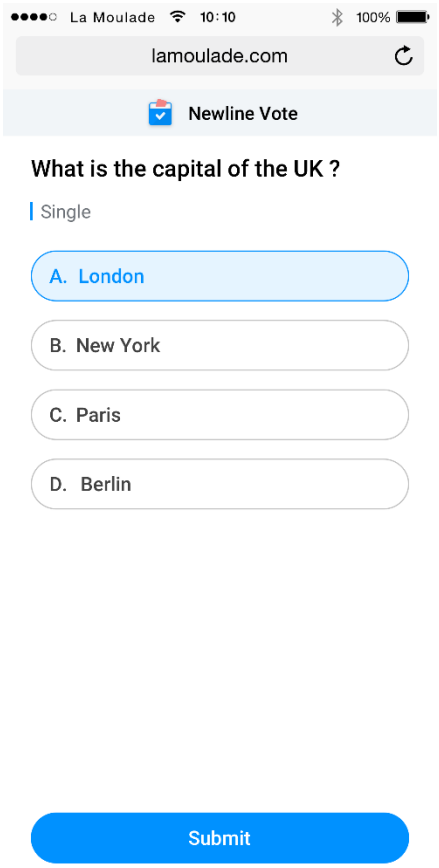
Users can input a topic (not required) and input options (2 options minimum, 10 options maximum). After tapping “**Complete**”, a QR code is generated for users to scan with their mobile devices.



NOTE

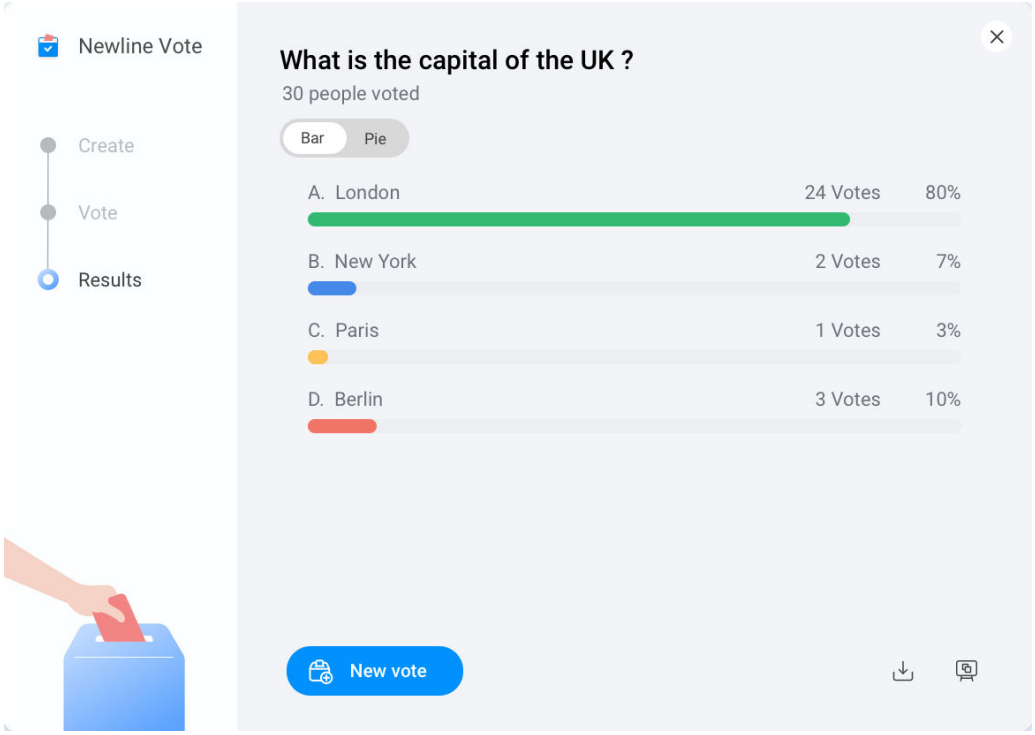
"**Vote**" only works when both the panel and the mobile device are connected to the internet.

User will see the voting topic and options on the mobile device after the QR code is scanned. After making the selection, tap "submit" to cast vote.



In the voting process, the number of voters is displayed in real-time under the QR code. Users can tap "**Result**" button to terminate the current vote process and show the voting results. The voting results can be displayed in the "**Pie chart**" or "**Bar chart**" form.

Users can tap **Insert into whiteboard** to insert the current voting results into the whiteboard.



4.5 Extended Functions

Functions	Status	Operation
Sound Only	After entering the sound only mode, the screen was extinguished and the sound played normally.	**Turn on** Tap the Sound Only icon in the quick access bar on the toolbar. **Turn off** Tap anywhere on the screen.
Sleep	Enter the sleep state, the screen and backlight are off, the Android system and OPS are running normally	**Turn on** Press the power button **Turn off** 1 Press the power button to wake up 2 Touch wake-up 3 Access source wake-up
Freeze	After entering the freeze screen mode, the freeze screen icon appears in the upper right corner of the screen	**Turn on** 1 Press the freeze button on the remote control; 2 Tap the freeze icon in the control center. **Turn off** 1 Double-click the screen; 2 Press the freeze button on the remote control.

4.5.1 Capture

Using the screenshot function, you can capture the current page and save it in the form of a picture. You can enter the screenshot by the following way:

- Press the capture icon on the remote control;
- Tap the screenshot icon on the Quick access bar;
- Tap the save icon on the annotation page.

Common functions:

- Freedom: Select the free mode, you can freely drag the screenshot box to adjust the screenshot screen;
- Full screen: Select full screen mode, full screen capture;
- Save: Click Save to get the screenshot and save it automatically;
- Insert: Take the screen capture as a picture and insert it into the whiteboard;
- Close: Exit screenshot mode.

4.5.2 Sources

On the Home page, tap sources icon to enter the signal source selection, including OPS / Display Port / HDMI 1/ HDMI 2 / HDMI 3 /(F)Type C /(R) TYPE C.

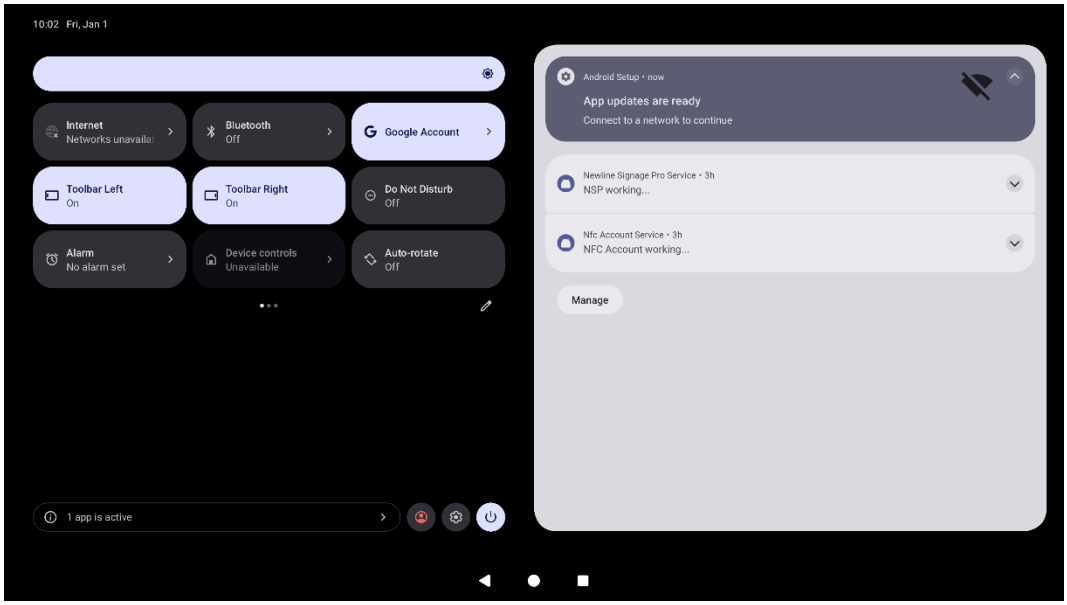
The icon without signal source connected is gray, and the icon with signal source connected is white. After you choose white icon, the content of the signal source can be displayed in the preview window for real-time preview.

You can enter sources interface by the following methods:

- Tap the sources icon on the Home page;
- Tap the sources icon on the remote control.

4.5.3 Control Center

Using fingers and swipe down from the top of the screen to access the Control Center, shortcuts are displayed on the left and notifications are displayed on the right, as shown in the following figure.



Icon	Functions
Brightness	Drag the slider to adjust the brightness.
Internet	Tap to access the setting of internet.
Bluetooth	Tap to enable or disable the Bluetooth.

Icon	Functions
Google Account	Tap to access the google account management.
Toolbar Left	Tap to enable or disable the toolbar left.
Toolbar Right	Tap to enable or disable the toolbar right.
Do Not Disturb	Tap to enable or disable the Do Not Disturb function.
Alarm	Tap to access the setting of Alarm.
Device Control	Tap to enable or disable the Device Control function.
Auto-Rotate	Tap to enable or disable the Auto-Rotate function.
Screen Cast	Tap to launch the Screen Cast application.
Screen Record	Tap to launch the Screen Record application.
QR Code Scanner	Tap to launch the QR code scanner.
Microphone	Tap to enable or disable the microphone access.
Camera	Tap to enable or disable the camera access.
Location	Tap to enable or disable the location access.

Icon	Functions
Hotspot	Tap to enable or disable the hotspot.
Color Inversion	Tap to enable or disable the Color inversion.
Dark Theme	Tap to enable or disable the dark theme.
Color Correction	Tap to enable or disable the Color correction.
Quick Share	Tap to access the quick share setting page.
Focus Mode	Tap to access the Focus mode setting page.
Calculator	Tap to launch the Calculator application.
	Tap to access the bedtime setting page.
Google Files	Tap to access the google files.
Edit	Tap to edit the shortcut menu, hold and drag to add the items.
Account	Tap to access the account selection interface, you can switch owner, add user and guest.
Settings	Tap to access the settings page.
Power	Tap to select access to power off and restart.

4.5.4 Automatically Power Off

If the screen is left un-operated for a specified duration, it will automatically turn off. Choose **Settings**> **Newline Settings**>**Power> Energy Saving** to set the duration. For details on the setting method, see " Power".

If it is operated again within specified duration, the screen is unlocked. Otherwise, the screen enters the power off mode.

4.6 Settings

Enter the system setting page using one of the following methods:

- Tap settings icon on the **Home** page.
- In the **Control Center**, tap the settings icon.
- Press **MENU** button on the remote control.

4.6.1 Network & Internet

Enter the **Network&Internet** submenu to enable Wi-Fi or Ethernet, view network information, and enable the Wake on LAN function.

Menu	Setting	Functions
Internet	Ethernet	When the RJ45 port is properly connected to the network cable, tap the button to View the MAC address, IP address, gateway, subnet mask, and DNS information.
	Wi-Fi	Tap to enable the Wi-Fi function. Default is off, When both Ethernet and Wi-Fi are available, Ethernet is preferred.
	Network Preferences	Enable the Wi-Fi automatically turn on function; Enable the notify for public networks; Allow WEP networks; Install the certificates as you need.
Wake on LAN& Wake on Wireless LAN	ON/OFF	Tap the button to enable the function. Default is off, connecting the wired network and wireless network can wake up the display.
IP Control	ON/OFF	IP Control uses the internet and Internet Protocol to transmit data and enable devices to communicate wirelessly.
Hotspot & tethering	Wi-Fi hotspot	Share a network through a Wi-Fi hotspot
	Bluetooth tethering	Share the network via Bluetooth
	Ethernet tethering	Share the network via network cables
VPN	VPN	Configure the VPN and verify the CA certificate
Private DNS	ON/OFF	Tap to select DNS mode, off, automatic, private DNS provider hostname three modes are available.

4.6.2 Newline Settings

Enter the **Newline Settings** to set Power, Sound, Input & Output, Display Option, Toolbar and Screen Eye Filters, Advanced and so on.

4.6.2.1 Power

Enter the **Power** submenu to set power on or power off as following:

Menu	Setting	Functions
Auto Power On	Switch ON/OFF	Tap to enable the function, users can set the power on time.
Power On Time	Set the time	Set the power on time, system will automatic power on at the customize time.
Auto Power Off	Switch ON/OFF	Tap to enable the function, users can set the power off time.
Power Off Time	Set the time	Set the power off time, system will automatic power off at the customize time.
Energy Saving	Set the frequency to shut down automatically	Set a duration after which the screen enters the countdown mode if the screen is left un-operated. After the screen is countdown, if the user does not operate the screen within 120s, the screen enters the power off mode. The duration can be set to **30 mins**, **60 mins**, **90 mins**, **120 mins** or **NEVER**. You can also customize this duration and the range is 3 minutes to 480 minutes.
Power Button Options	Sleep	Set the system enter sleep mode when users press power button.
	Power off	Set the system enter power off when users press power button.
Tap to wake screen	Switch ON/OFF	Tap to enable the function, users can touch the screen to wake up the system from sleep mode.
Signal Source Wake-up	Switch ON/OFF	Tap to enable the function, access signal source can wake up the display.

NOTE

NEVER indicates that the automatic power off mode function is not enabled.

4.6.2.2 Sound

Enter the **Sound** submenu to select the way of sound output.

Menu	Functions
Sound output selections	1. Speaker: Select this option, sound will come out of the IFPD speaker. 2. S/PDIF: Select this option, sound will come out of the device connected to S/PDIF port. 3. ARC: Select this option, sound will come out of the device connected to HDMI out(ARC) port. 4. Lineout: Select this option, sound will come out of the device connected to Line out port. 5. Mixed: Select this option, sound will be output from all four of these options simultaneously.

4.6.2.3 Input & Output

Enter the **Input & Output** submenu to set the Home source, enable new input source and CEC auto.

Menu	Functions
Starting Source	Customize settings to connect to the signal source after power on.

New Input Source	Switch ON/OFF After the function is enabled, the system can automatically switch to the screen of the newly connected signal source.
CEC Auto Power On	CEC Auto Power On allows connected devices to turn on the power of the display.
CEC Auto Power Off	CEC Auto Power Off allows the display to turn off the power of the connected devices.
App auto-launch	Tap to select the app or a URL automatically running on startup, the app auto-launch only acts on Android system. 1. Default is None; 2. Only one Newline app can be selected at a time; 3. Enter the link, boot automatically jump to the URL.
HDMI 1/2 & DP EDID Switch 2.0	Tap to select the 1.4 and 2.0.
Customize source name	Tap to customize source name.

4.6.2.4 Display Option

Enter the **Display Option** submenu to select the theme, Google Theme, Newline Q Theme and Newline Z Theme can be selected.

4.6.2.5 Toolbar

Enter the **Toolbar** submenu to set whether to display the toolbar.

- Left: Tap to enable and disable the left toolbar.
- Right: Tap to enable and disable the right toolbar.

4.6.2.6 Screen Eye Filters

Enter the **Screen Eye Filters** submenu to set **Writing Mode Filter**, **Brightness Mode Filter** and **Bluelight filter**. If the **Bluelight filter** setting is on, the **Filter level** can be set.

Menu	Setting	Functions
Writing Mode Filter	Switch ON/OFF	Tap to enable the function, the display will change whiteboard brightness under writing mode, Writing Mode Filters and Brightness Mode Filter are mutually exclusive and cannot be opened at the same time.
Brightness Mode Filter	Switch ON/OFF	Tap to enable the function, the display will change screen brightness based on ambient light,
Bluelight Filter	Switch ON/OFF	Tap to enable the function, the filter level tints your screen amber, this makes it easier to look at your screen or read in light.
Filter level	Set the filter level	Set the filter amplitude

Note:

Studies have shown that just as the ultra-violet rays can cause eye damage, the shortwave-length blue light rays from displays can cause eyestrain, retina damage, and affect vision over time. Newline Blue Light filter is an eye protection feature that can reduce the blue light. TT-6525Q ELT /TT-7525Q ELT /TT-8625Q ELT has obtained this certification.

For protecting your eyes against prolonged display use, we highly recommend you to do the following:

- Let your eyes rest for 10 minutes after 2 hours of continues use.
- Roll your eyes upward towards your eyebrows, and then roll your eyes in a large circle every few hours.
- For every 20 minutes of display viewing, look into the distance for 20 seconds.
- When your eyes get sore, close your eyes for a minute.

Using Low Blue Light

Decreasing the blue light emitting by the Interactive Flat panel display reduces the blue light exposure to your eyes.

The Interactive Flat panel display use a low blue light panel default setting mode, that when used in the default setting mode, is certified by TUV to reduce blue light output and create a more relaxing and less stimulating image while reading content on the screen.

The hardware solution was developed to control the blue light range emission. Instead of reducing the total blue range, the selected range reduction does not impact CCT and display color. It exposes users to less blue light emission while letting them enjoy good color on the display.

Flicker Free

The flicker phenomenon is that the screen continues to alternate between light and dark, that is, the screen is constantly flickering. Some flicker phenomenon may not be perceived by the human eye, but the eye will still respond to the flicker of the screen(iris will expand and contract according to changes in brightness).

To improve this phenomenon, we use DC dimming technology to improve it, and obtained the flicker free certification.

4.6.2.7 Advanced

Enter 2364606633 to enter the **Advanced** submenu, you can set the System Update, Security, Enable Embedded OS, Modify Admin Mode password and Maximum volume.

Menu	Functions
System update	Upgrade options are as follows: OTA, over the air update method and automatic updates.
Security	Whiteboard and screenshot data removal frequency: you can set the time period of keep the data. When the set time is reached, the data is automatically cleared.
	USB lock: When you enable the USB lock, under the smart system, only USB disk will be locked, user will not able to read the data from the USB disk, but USB mouse and keyboard could be used. Under the external source, all the USB devices will be blocked. Notes: Once the USB lock function is turned on, it will be effective for owner, all users and guest. Whether the owner, user or guest enters the system, the USB lock function is always valid.
	Settings lock: When you enable the setting lock, the setting-related icons will be displayed as locked, if you would like to do the setting, need to enter the admin mode and turn it off.
	Gadgets lock: All the installed application will be listed here, you can disable any gadgets you don't want to show in the gadgets list except whiteboard and settings.
	Installation lock: When you enable the Installation lock, under the smart system, you will not be able to install software through the app store or USB flash drive.
	Power button lock: When you enable the power button lock, the power button will be locked no matters on Android or any external sources.
	Front buttons lock: When you enable the front button lock, the front

	button will be locked no matters on Android or any external sources.
	URL Filtering: You can add URL links to block the access. If you enter baidu.com, all Baidu related web pages will be blocked. This includes local browsers and all third party (user downloaded) browsers.
	Whiteboard AI Search: Tap to enable the AI search function on the whiteboard.
	NFC Management: Tap to access the NFC Management page. NFC enable: Allow your IFPD to detect and interact with work cards and more. When it is turned off, users will not be able to see NFC either perform profile switching that require NFC. NFC removal: Allow all users to remove their web accounts or NFC cards. NFC write: Allow all users to write NFC cards.
Enable embedded OS	Once you disable the embedded OS, IFPD will access the no android mode, android system will not appear, Android USB ports are disabled, only the Public USB port is retained, and gestures are not allowed to bring up the Android menu. You can enter the quick setting by the following ways: 1 Press the **MENU** button on the front panel to enter the quick setting; 2 Slide up with two finger to callout the quick setting. How to exit the no android mode: 1 Press the **Down > Down > Up > Up** > **Left** > **Right** on the remote control. 2 Press the **Up > Down > Up > Down> Left** > **Right > Left** > **Right > Volume +** >**Volume –** on the remote control to enter the **Advanced** menu, enable the **Enable Embedded OS** function.
Modify admin mode password	You can modify admin mode password in this interface. The password must be between 6 to 16 digits or letters.
Maximum volume	The maximum volume was set at 10% increments.

4.6.3 Connected devices

Enter the **Connected devices** submenu to check the connected devices, system will automatically detect and connect to new device via Bluetooth.

Menu	Functions
Pair new device	Turn on Bluetooth and automatically search for available devices nearby. 1 Pairing other display, mobile phones, computers, need to enter the pairing password or two-way confirmation; 2 Bluetooth audio, keyboard and mouse can be directly paired, no need to enter a password.
See all	All devices can be viewed, including paired and available devices.
Connection preferences	It can be set to print/screen/share nearby through Bluetooth.

4.6.4 Apps

Enter the **Apps** submenu to view downloaded applications, screen time, unused apps and Special app access.

Menu	Functions
All apps	Display the installed app, you can enter a single app to set application information, such as: open notification, view memory and mobile

	data and other information.
Default apps	Display default apps
Screen time	Display the usage time of each app
Unused apps	Display unused apps
Special app access	App access

4.6.5 Notifications

Enter the **Notifications** submenu to manage the notifications about apps,view the notification history, set the notifications about conversations and etc.

4.6.6 Storage

Enter the **Storage** submenu to view the storage and space distribution of the device and disk.

Menu	Functions
This device	Displays the memory for the display.
USB	Displays the memory of the external USB.
SD card	Displays the memory of the SD card.

4.6.7 Sound & vibration

Enter the **Sound & vibration** submenu to adjust the sound of media volume. Default notification sound, Default alarm sound, Screen locking sound and Tap & click sounds also can be set on the interface.

4.6.8 Display

Enter the **Display** submenu to set the Brightness, Lock screen, Screen timeout, Dark theme, Display size and text, Theme, logo, Set logo, Colors, Screen saver.

Menu	Setting	Functions
Brightness	Brightness level	Adjust brightness level
	Adaptive brightness	Switch on/off, After opening, the screen is adjusted to the eye protection state according to the light perception.
Lock display	Lock screen	Set the operation information of the lock screen page.
	Screen timeout	Set the screen saver time, the screen will lock automatically after reaching the set time.
Appearance	Dark theme	Switch on/off, default off
	Display size and text	Set font size and display size
Color		Set the color
Screen saver		Switch ON/OFF
HDMI		When an external device is connected to HDMI Out or Type-C Out, display resolution and screen zoom settings become available.

4.6.9 Wallpaper

Enter the **Wallpaper** submenu to add the wallpaper from file viewer and photos, set the color and size for lock screen and Home screen.

4.6.10 Accessibility

Enter the **Accessibility** submenu to enable the talkback, select to speak, live caption, accessibility menu and etc.

Menu	Functions
Talkback	Enable the talkback and talkback shortcut.
Select to speak	Switch on/off
Display size and text	Set the font size and display size
Color and motion	Enable and disable the Color inversion, Dark theme, Color correction, Remove animations.
Magnification	Set the Magnification shortcut and Magnification type
Accessibility Menu	Enable the Accessibility Menu shortcut.
Switch Access	Use the switch access, enable and disable switch access shortcut.
Timing controls	Set the touch & hold delay and time to take action.
System controls	Set the navigation mode.
Pointer & touchpad accessibility	Set the pointer scale, pointer color customization, enable the Auto click.
Live caption	Enable the live caption and set the languages and preferences.
Caption preferences	Set to show captions, customize caption size and style.
Audio description	Switch on/off
Flash notifications	Enable the screen flash and set the screen flash color.
Hearing devices	Pair hearing aids, enable the hearing device shortcut.
Audio adjustment	Enable the mono audio and adjust the audio balance.
Accessibility shortcuts	Set the Accessibility button, enable the volume keys shortcut from lock screen.
Text-to-speech output	Set the Preferred engine, language, speech rate and pitch.

4.6.11 Security & Privacy

Enter the **Security** & **Privacy** submenu to view the security status, find my device, update the security and add the screen lock.

Menu	Functions
Google Play protect	Check the apps and device for harmful behavior.
Screen lock	None: Turn off the screen lock.
	Swipe: Swipe the screen to unlock.
	Pattern: Draw an unlock pattern, the pattern need connect at least 4 dots.
	PIN: Set the pin code, the pin can be 4~16 digits.

	Password: Set the password, the password can be the combination of letters, numbers and symbols.
	QR Code: Scans the QR code to unlock. When you select **None** or turn off the QR code switch, the QR code is not displayed; When you turn on the QR code switch and select any unlocking method (e.g., PIN code), after scanning the QR code and you also needs to enter the PIN code on the cell phone.
More security & privacy	Set the smart lock, view and install the encryption and credentials.

4.6.12 Location

Enter the **Location** submenu to use location, view the apps recently accessed location and location services.

4.6.13 Passwords, passkey & accounts

Enter the **Passwords, passkey & accounts** submenu to add your preferred services, sign in and auto Automatically sync app data.

4.6.14 Google

Enter the **Google** submenu to sign in to your google account, set the account related services, including backup data, recovery data, etc.

You can sign in to your google account by the following method:

- On the Home page, slide right to enter the google login interface;
- Sign in to any one of google apps;
- Enter **Settings** > **Google** to sign in.

4.6.15 System

Enter the **System** submenu to see system version information and admin mode.

Menu	Setting	Functions
Languages	Set the language	Language, app language,
Keyboard	Select the keyboard	On-screen keyboard and physical keyboard can be chosen.
Gesture	Navigation mode	Gesture navigation, 3-button navigation can be chosen.
Date & time	Set time automatically	Switch ON/OFF Networking to get time and date automatically
	Date	When the Set time automatically is off, tap to set the date.
	Time	When the Set time automatically is off, tap to set the time.
	Set time zone automatically	Switch ON/OFF Networking to get time zone automatically.
	Time zone	When the Set time zone automatically is off, tap to select the time zone
	Use locale default	Switch ON/OFF
	Use 24-hour format	Switch ON/OFF
Back up		Tap to enable the back up.

System update		Tap to update the system
Users	Allow multiple users	Enable the function to share your tablet by adding new users. Each user has a personal space on your tablet. The account icon will appear on the lock screen page and Control Center when the function is enabled.
	Owner	Profile Info: Tap to change owner icon and name. Owner Import: If you had more than two devices and would like to keep the setting as the same. You can put the export file into the USB disk and plug it into the USB port, then press the import option to import the setting you have done in the other device. Owner Export: If you had more than two devices and would like to keep the setting as the same. You can export the settings in the setting page. Add NFC: Supports adding NFC card or linking web account. Notes: 1. Local NFC card addition and Web account linking cannot be used simultaneously. 2. Only one NFC card can be added. If you need to use multiple NFC cards to log in to this account, we recommend linking a web account.
	Add User	You can share this device with other people by creating additional users. Each user has their own space with customizable options such as apps, wallpapers and so on. Switch to new user: Tap to switch to other user or guest. Delete user: Delete the user account. User import: If you would like to keep the setting as the same. You can put the export file into USB disk and plug it into USB port, then press the import option to import the setting you have done in the other device. You can also import or export the settings of the same device. The settings of different users can be exported to each other. User export: If you would like to keep the setting as the same. You can export the settings on the setting page, all the configuration setting will be exported as a file called 811config.jason. Add NFC: Supports adding NFC card or linking web account. Notes: 1. Local NFC card addition and Web account linking cannot be used simultaneously.

		2. Only one NFC card can be added. If you need to use multiple NFC cards to log in to this account, we recommend linking a web account.
	Add guest	No password is required to access the system as a guest.
	Delete guest activity	Switch on/off
	Add users from lock screen	Switch on/off
Reset options	Reset Bluetooth & Wi-Fi	Tap to reset all network settings.
	Reset app preferences	Tap to reset all preferences.
	Erase all data (factory reset)	Tap to erase all data.

Multiple Users Accounts

There are multiple user roles on the system, and the permissions for each role can be assigned as shown in the table below.

Functions	Admin	Owner	User	Guest
Capacity	1	1	6	1
Password composition	≤16 digits	4 digits	4 digits	None
Enter advanced menu	2364606633	2364606633	No permission	No permission

How to create multiple users

The multiple users icon will appear on the lock screen page and Control Center when the multiple users function is enabled, tap the icon to add roles and switch users. You can create account by the following method:

- Enter **Settings** > **System** > **Multiple users** to add users;
- Tap the multiple users icon on the lock screen page to add users;
- Tap the multiple users icon on the Control Center to add users.

How to switch accounts between multiple users

- Enter **Settings** > **System** > **Multiple users> switch to new user;**
- Tap the multiple users icon on the lock screen page to switch users.
- Tap the multiple users icon on the Control Center to switch users.

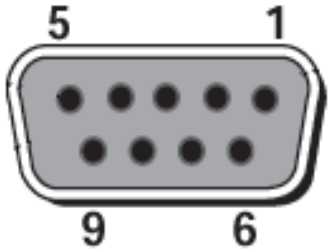
4.6.16 About tablet

Enter the **About tablet** submenu to check the system info such as Model, serial number, system version, firmware version, IP address, MAC address…etc.

5 Serial Port Control

RS232 communication cable (please use cross data cables)

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



RS232 port of panel

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

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

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

Function	Controlling codes	Return codes
Power on	7F 08 99 A2 B3 C4 02 FF 01 00 CF	7F 09 99 A2 B3 C4 02 FF 01 00 01 CF
Power off	7F 08 99 A2 B3 C4 02 FF 01 01 CF	7F 09 99 A2 B3 C4 02 FF 01 01 01 CF
Sleep Mode On	7F 08 99 A2 B3 C4 02 FF 01 04 CF	7F 09 99 A2 B3 C4 02 FF 01 04 01 CF
Sleep Mode Off	7F 08 99 A2 B3 C4 02 FF 01 03 CF	7F 09 99 A2 B3 C4 02 FF 01 03 01 CF
Mute/Unmute	7F 08 99 A2 B3 C4 02 FF 01 02 CF	7F 09 99 A2 B3 C4 02 FF 01 02 01 CF
Signal source	7F 08 99 A2 B3 C4 02 FF 01 06 CF	7F 09 99 A2 B3 C4 02 FF 01 06 01 CF
Enable whiteboard	7F 08 99 A2 B3 C4 02 FF 01 07 CF	7F 09 99 A2 B3 C4 02 FF 01 07 01 CF
Enable the annotation function	7F 08 99 A2 B3 C4 02 FF 01 40 CF	7F 09 99 A2 B3 C4 02 FF 01 40 01 CF
Display status	7F 08 99 A2 B3 C4 02 FF 01 09 CF	7F 09 99 A2 B3 C4 02 FF 01 09 01 CF
HDMI 1	7F 08 99 A2 B3 C4 02 FF 01 0A CF	7F 09 99 A2 B3 C4 02 FF 01 0A 01 CF
HDMI 2	7F 08 99 A2 B3 C4 02 FF 01 52 CF	7F 09 99 A2 B3 C4 02 FF 01 52 01 CF
HDMI 3	7F 08 99 A2 B3 C4 02 FF 01 53 CF	7F 09 99 A2 B3 C4 02 FF 01 53 01 CF
Front Type-C	7F 08 99 A2 B3 C4 02 FF 01 54 CF	7F 09 99 A2 B3 C4 02 FF 01 54 01 CF
Type-C	7F 08 99 A2 B3 C4 02 FF 01 55 CF	7F 09 99 A2 B3 C4 02 FF 01 55 01 CF
Internal PC	7F 08 99 A2 B3 C4 02 FF 01 38 CF	7F 09 99 A2 B3 C4 02 FF 01 38 01 CF
DP	7F 08 99 A2 B3 C4 02 FF 01 56 CF	7F 09 99 A2 B3 C4 02 FF 01 56 01 CF
Page up	7F 08 99 A2 B3 C4 02 FF 01 13 CF	7F 09 99 A2 B3 C4 02 FF 01 13 01 CF
Page down	7F 08 99 A2 B3 C4 02 FF 01 14 CF	7F 09 99 A2 B3 C4 02 FF 01 14 01 CF
VOL -	7F 08 99 A2 B3 C4 02 FF 01 17 CF	7F 09 99 A2 B3 C4 02 FF 01 17 01 CF
VOL +	7F 08 99 A2 B3 C4 02 FF 01 18 CF	7F 09 99 A2 B3 C4 02 FF 01 18 01 CF
Menu	7F 08 99 A2 B3 C4 02 FF 01 1B CF	7F 09 99 A2 B3 C4 02 FF 01 1B 01 CF

Home page	7F 08 99 A2 B3 C4 02 FF 01 1C CF	7F 09 99 A2 B3 C4 02 FF 01 1C 01 CF
Return (exit)	7F 08 99 A2 B3 C4 02 FF 01 1D CF	7F 09 99 A2 B3 C4 02 FF 01 1D 01 CF
OK	7F 08 99 A2 B3 C4 02 FF 01 2B CF	7F 09 99 A2 B3 C4 02 FF 01 2B 01 CF
←	7F 08 99 A2 B3 C4 02 FF 01 2C CF	7F 09 99 A2 B3 C4 02 FF 01 2C 01 CF
→	7F 08 99 A2 B3 C4 02 FF 01 2D CF	7F 09 99 A2 B3 C4 02 FF 01 2D 01 CF
↑	7F 08 99 A2 B3 C4 02 FF 01 2E CF	7F 09 99 A2 B3 C4 02 FF 01 2E 01 CF
↓	7F 08 99 A2 B3 C4 02 FF 01 2F CF	7F 09 99 A2 B3 C4 02 FF 01 2F 01 CF
Set volume	7F 08 99 A2 B3 C4 02 FF 05 XX CF	7F 09 99 A2 B3 C4 02 FF 05 XX 01 CF
Query the firmware version number	7F 08 99 A2 B3 C4 02 FF 01 3D CF	7F 09 99 A2 B3 C4 02 FF 01 3D XX CF Note: XX indicates version
Set display mode	7F 08 99 A2 B3 C4 02 FF 06 XX CF	7F 09 99 A2 B3 C4 02 FF 06 XX 01 CF Notes: XX indicates the mode. 00-Standard, 01-ECO, 02-Custom, 03-Auto.
Increase backlight brightness	7F 08 99 A2 B3 C4 02 FF 01 47 CF	7F 09 99 A2 B3 C4 02 FF 01 47 01 CF
Decrease backlight brightness	7F 08 99 A2 B3 C4 02 FF 01 48 CF	7F 09 99 A2 B3 C4 02 FF 01 48 01 CF
Set the value of backlight brightness	7F 08 99 A2 B3 C4 02 FF 09 XX CF	7F 09 99 A2 B3 C4 02 FF 09 XX 01 CF
Switch backlight	7F 08 99 A2 B3 C4 02 FF 01 15 CF	7F 09 99 A2 B3 C4 02 FF 01 15 XX CF
Switch to screen lock	7F 08 99 A2 B3 C4 02 FF 01 57 CF	7F 09 99 A2 B3 C4 02 FF 01 57 01 CF
Screenshot	7F 08 99 A2 B3 C4 02 FF 01 1F CF	7F 09 99 A2 B3 C4 02 FF 01 1F 01 CF
Settings	7F 08 99 A2 B3 C4 02 FF 01 20 CF	7F 09 99 A2 B3 C4 02 FF 01 20 01 CF
Freeze ON/OFF toggle	7F 08 99 A2 B3 C4 02 FF 01 3B CF	7F 09 99 A2 B3 C4 02 FF 01 3B 01 CF

Freeze On	7F 09 99 A2 B3 C4 02 FF 0B 00 CF	7F 09 99 A2 B3 C4 02 FF 0B 00 01 CF
Freeze Off	7F 09 99 A2 B3 C4 02 FF 0B 01 CF	7F 09 99 A2 B3 C4 02 FF 0B 01 01 CF
Mute On	7F 09 99 A2 B3 C4 02 FF 0F 00 CF	7F 09 99 A2 B3 C4 02 FF 0F 00 01 CF
Mute Off	7F 09 99 A2 B3 C4 02 FF 0F 01 CF	7F 09 99 A2 B3 C4 02 FF 0F 01 01 CF
Switch Power button lock On	7F 09 99 A2 B3 C4 02 FF 0D 01 CF	7F 09 99 A2 B3 C4 02 FF 0D 01 01 CF
Switch Power button lock Off	7F 09 99 A2 B3 C4 02 FF 0D 00 CF	7F 09 99 A2 B3 C4 02 FF 0D 00 01 CF
Switch Backlight On	7F 09 99 A2 B3 C4 02 FF 0E 01 CF	7F 09 99 A2 B3 C4 02 FF 0E 01 01 CF
Switch Backlight Off	7F 09 99 A2 B3 C4 02 FF 0E 00 CF	7F 09 99 A2 B3 C4 02 FF 0E 00 01 CF Notes： XX = 01 indicates the backlight is on. XX = 00 indicates the backlight is off.
Set Display message on the OSD	7F 09 99 A2 B3 C4 02 FF 1A XX CF	7F 09 99 A2 B3 C4 02 FF 1A 00 XX CF NOTE: XX indicates the value of text content up to 50 characters. ● XX = 01 indicates set OSD OK. ● XX = 00 indicates set OSD failed. Closing/clearing command: 7F 09 99 A2 B3 C4 02 FF 1B 00 CF
Activate Newline cast	7F 08 99 A2 B3 C4 02 FF 00 0D CF	7F 09 99 A2 B3 C4 02 FF 00 0D 01 CF
Close Newline cast	7F 08 99 A2 B3 C4 02 FF 01 0D CF	7F 09 99 A2 B3 C4 02 FF 01 0D 01 CF

Function	Querying codes	Return codes
Power supply	7F 08 99 A2 B3 C4 02 FF 01 37 CF	7F 09 99 A2 B3 C4 02 FF 01 37 XX CF Notes: XX indicates the power on/off state. XX = 01: power on state; XX = 00: power off state.
Speaker	7F 08 99 A2 B3 C4 02 FF 01 82 CF	7F 09 99 A2 B3 C4 02 FF 01 82 XX CF Notes: 01: mute; 00: non-mute.
Current signal source	7F 08 99 A2 B3 C4 02 FF 01 50 CF	7F 09 99 A2 B3 C4 02 FF 01 50 XX CF Notes: ● Smart system = 30 ● PC = 17 ● DP = 20 ● HDMI 1 = 19 ● HDMI 2 = 1F ● HDMI 3 = 1E ● Front Type-C = 00 ● Type-C = 01
Speaker volume	7F 08 99 A2 B3 C4 02 FF 01 33 CF	7F 09 99 A2 B3 C4 02 FF 01 33 XX CF Notes: XX indicates current volume value (XX is a hexadecimal value, range: 00~64). For example, XX = 20 indicates current volume value is 32 (decimal value), XX = 00 indicates mute state.
D.Mode	7F 08 99 A2 B3 C4 02 FF 01 35 CF	7F 09 99 A2 B3 C4 02 FF 01 35 XX CF Notes: XX indicates the mode. XX = 00-standard; XX = 01-ECO mode; XX = 02-custom; XX = 03-auto.

Backlight brightness	7F 08 99 A2 B3 C4 02 FF 01 49 CF	7F 09 99 A2 B3 C4 02 FF 01 49 XX CF Notes: XX indicates the value of backlight brightness (1 - 100), corresponding to the hexadecimal number system (01 - 64).
Backlight status	7F 08 99 A2 B3 C4 02 FF 01 81 CF	7F 09 99 A2 B3 C4 02 FF 01 81 XX CF Notes: XX = 00 indicates the backlight is on. XX = 01 indicates the backlight is off.
Power button lock status	7F 08 99 A2 B3 C4 02 FF 01 84 CF	7F 09 99 A2 B3 C4 02 FF 01 84 XX CF Notes: XX = 01 indicates the child safety lock is on. XX = 00 indicates the child safety lock is off.
Whiteboard state	7F 08 99 A2 B3 C4 02 FF 01 83 CF	7F 09 99 A2 B3 C4 02 FF 01 83 XX CF Notes: XX = 01 indicates the whiteboard state. XX = 00 indicates non-whiteboard state.
Sleep Mode Status	7F 08 99 A2 B3 C4 02 FF 01 45 CF	7F 09 99 A2 B3 C4 02 FF 01 45 XX CF Notes: XX = 00: the panel is in sleep state; XX = 01: the panel isn't in sleep state;
Return to system state of the previous options	7F 08 99 A2 B3 C4 02 FF 0A 00 CF	7F 08 99 A2 B3 C4 02 FF 0A 00 AB CD EF GH IJ OP QR ST UV WS CF Notes: AB: Power supply; CD: Speaker; EF: Current signal source; GH: Speaker volume; IJ: D.Mode; OP: Backlight brightness; QR: Backlight state; ST: Whiteboard state; UV: Screen lock state. WS: Sleep Mode Status

6 FAQs & Troubleshooting

Symptom	Troubleshooting Methods
The screen cannot be powered on or the power indicator light is off.	Check whether the power supply is connected.
	Check whether the power supply plug is properly connected.
	Check whether the power outlet has electricity.
	Check whether the rocker switch is enabled.
	Press the reset switch and start the system again.
The remote control is not causing a response.	Replace the batteries.
	Check whether the polarity direction of the batteries is correct.
	Align the remote control with the IR receiver window. For details, see section "Remote Control".
The image is normal but there is no sound.	Increase volume on both the screen and the Windows system.
	Check whether the screen and the Windows system are muted.
	If an external computer is connected, check whether the connection cables are normal.
The system is automatically powered on/off when no operation is being performed.	Disable the automatic power-on/off function. For details, see section "Power ON/OFF Setting".
	Check whether the screen entered shut down mode due to no operation for an extended period of time.
	Check whether the input power supply is stable.
The colors of images are abnormal.	Check whether the HDMI cable is properly connected or has any quality issue.
The touch function is abnormal or the positioning is inaccurate.	Restart the screen.
	In the Windows system, recalibrate the screen. For details, see section "Calibration".
The touch function is unavailable when the external signal source channel is being used.	Switch between different external signal sources.
	Ensure that the USB touch cable is connected to the proper port. For details, see section "Ports".
	Remove and insert the USB touch cable again.

Symptom	Troubleshooting Methods
There is no sound when the HDMI in channel is used.	Remove and insert the HDMI cable again.
No image is displayed when the HDMI out channel is used.	Generally, this issue is caused by the compatibility of the external display product. Replace the external display product and test again.
	The HDMI cable is too long or has a poor quality. Replace the HDMI cable delivered with the product.
The touch function on the front panel is ineffective.	Touch the button using your full fingertip.
	Check whether the finger is wet or has other liquids on it.
	Restart the screen.
The USB flash drive cannot be identified.	Check whether the USB flash drive is inserted into the correct USB port. For details, see section "Ports."
The conference records cannot be saved on the USB flash drive, and the system prompts "The target storage product has no write permissions."	Format the USB flash drive to the FAT32 format.
The OPS has no signal.	Check whether the OPS is properly inserted in the slot.
	Check whether the OPS is in shut down mode.
	Press the power button on the OPS (for details, see the instructions of the OPS), and manually start up the OPS.
In the embedded operating system or Windows system, no wireless network can be found or the wireless network signal is weak.	Check whether the Wi-Fi antenna is properly installed on the embedded operating system. For details, see section "Ports".
	Check whether the Wi-Fi antenna is properly installed for the OPS.

7 Specifications

Model	TT-6525Q ELT	TT-7525Q ELT	TT-8625Q ELT
Display			
Backlight	LED		
Display Area	56.22 x 31.61 in/ 1428 x 803mm	64.96 x 36.54 in/ 1650 x 928mm	74.60 x 41.97 in/1895 x 1066mm
Active Screen Size	65 inch	75 inch	86 inch
Display Ratio	16:9		
Resolution	3840 x 2160 Pixel		
Display Colors	1.07 billion colors		
Brightness	≥ 400 cd/m^2		
Contrast	Dynamic 5000:1		
Response Time	≤ 8 ms		
Life Time	≥50000 hours (Min.)		
Speaker			
Speaker Position	Bottom Front		
Max. Power Output	Full Amplifier 2 x 20 W + Woofer 1 x 15W		
Microphone			
Type	3.5 mm interface		
Electrical			
Power Consumption	Maximum ≤ 605 W Standby Mode ≤ 0.5 W	Maximum ≤ 682 W Standby Mode ≤ 0.5 W	Maximum ≤ 715 W Standby Mode ≤ 0.5 W
Working Voltage	AC 100 V – 240 V, 50 Hz / 60 Hz		

Model	TT-6525Q ELT	TT-7525Q ELT	TT-8625Q ELT
Touch			
Touch Surface	Anti-Glare + Anti-Fingerprint + Antimicrobial Tempered Glass		
Transparency	88% ± 3%		
Touch Points	Android 20 points, Windows 40 points		
Writing Tools	Stylus or Finger		
Transportation/Storage			
Storage Temperature/ Humidity	-20~60°C/0~90%RH (Non-condensing)		
Working Temperature/ Humidity	0°C-40°C/20～80%RH(Non coagulation)		
Mounting (optional)	Wall-mounted/Mobile Stand		
Outline Dimension	1513 x 927 x 118mm	1735 x 1051 x 120mm	1981 x 1191 x 120mm
Packing Dimension	1640 x 1036 x 207mm	1859 x 1160 x 207mm	2119 x 1290 x 227mm
VESA Mount Pattern	600*400mm	800*400mm	800*400mm
Net Weight	approx. 39kg	approx. 51.5kg	approx. 64.5kg
Gross Weight	50±1kg	65±1kg	82.5±1kg
Ports			
Front Interface Inputs	HDMI In x 1, Touch x 1, USB 3.0 x 2, Microphone In x 1, Type-C/w PD x 1		
Rear Interface Inputs	RS232 x 1, Line Out x 1, S/PDIF Out x 1, HDMI Out x 1, Type-C Out x 1, USB 3.0 (Android) x 1, LAN IN x 1, LAN OUT x 1 DP x 1, Touch x 3, HDMI 2(ARC) In x 1, HDMI 3 In x 1, Type-C x 1, USB 3.0 (Public) x 2, OPS Slots (4K@60Hz), Wi-Fi Module Slot x 1		
Other functions			
Intelligent thermos protector	Yes		
Smart System			
Chips	RK3588		
RAM	16G		
Flash	256GB		
Built-in Extra Memory	64GB		

Model	TT-6525Q ELT	TT-7525Q ELT	TT-8625Q ELT
Multimedia File Formats	Supports all major types of multi-media files		
Pre-installed applications	Refer to the actual panel display		
Wi-Fi Module			
Parameters	Wi-Fi 6 +BT 5.2		
Firmware Version	V1.1.12		

8 More Information

The Adopted Trademarks HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI licensing Administrator, Inc.

For More Information

Please visit our website (www.newline-interactive.com) for detailed instruction manual.

Contact Us for Support

Please email us at support@newline-interactive.com.

Our company is devoted to product innovation and technology enhancement. Therefore, we may change product specification and information without notice. Product pictures in the manual are for reference only, please refer to actual products.