OC Hub

User manual

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SAFETY

Please follow all warnings, precautions and maintenance as recommended in this user manual.

Safety Instructions

- Only use attachments/accessories specified by the manufacturer.
- Do not block any ventilation openings. To ensure reliable operation of the device and to protect from overheating, it is recommended to install the device in a location that does not block ventilation. Do not put the device in an enclosure such as a book case or a cabinet that restricts air flow.
- Do not use the device near water or moisture. To reduce the risk of fire and/or electric shock, do not expose the device to rain or moisture.
- Do not install near heat sources such as radiators, heaters, stoves or any other apparatus, such as amplifiers, that emits heat.
- Do not let objects or liquids enter the device. They may touch dangerous voltage ports or short out parts that could result in fire or electric shock.
- Do not place the device on an unstable surface. The device may fall over, resulting in injury or damage to the device.
- Do not setup the device in places where it might be subject to vibration or shock.
- Do not use the device if it has been physically damaged or abused. Physical damage/abuse would be (but not limited to):
  - The device has been dropped.
  - Power supply cord or plug has been damaged.
  - Liquid has been spilled on to the device.
  - The device has been exposed to rain or moisture.
  - Something has fallen in the device or something is loose inside.
- Do not attempt to service the device yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please call Optoma before you send the device for repair.
- Disconnect the power plug from AC outlet if the device is not being used for a long period of time.
- Remove the batteries from the remote control before storage. If the batteries are left in the remote for long periods, they may leak.
- Turn off and unplug the power plug from the AC outlet before cleaning the device.
- Use a soft dry cloth with mild detergent to clean the device housing. Do not use abrasive cleaners, waxes or solvents to clean the device.
- See the device enclosure for safety related markings.
- The device should only be repaired by appropriate service personnel.

Copyright

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Disclaimer

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Trademark Recognition

Kensington is a U.S. registered trademark of ACCO Brand Corporation with issued registrations and pending applications in other countries throughout the world.

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Google, the Google logo, and Google Drive are trademarks or registered trademarks of Google LLC.

OneDrive is a trademark and brand of Microsoft Corporation.

All other product names used in this manual are the properties of their respective owners and are Acknowledged.

FCC Statement

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.

FCC Warning

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.

Notice: Canadian users

This Class B digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-003 (B).

Remarque à l'intention des utilisateurs canadiens

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

Declaration of Conformity for EU Countries

- EMC Directive 2014/30/EU (Including amendments)
- Radio equipment directive 2014/53/EU
- The power consumption of the product in networked standby when all wired network ports are connected and all wireless network ports are activated was less than 2.0W.

WEEE

Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle it.

⚠WARNING

- **INGESTION HAZARD**: This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

Product contains non-replaceable batteries: CR1220, 3V

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 70°C or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

限用物質含有情況標示聲明書 (Declaration of the Presence Condition of the Restricted Substances Marking) – Taiwan RoHS Compliance

設備名稱: OC Hub, 型號（型式）: OCH100 Equipment Name: OC Hub Type designation: OCH100						
	限用物質及其化學符號 Restricted substances and its chemical symbols					
單元 Unit"	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr+6)	多溴聯苯 Polybrominated biphenyld (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
電路板 Printed Circuit Assemblies	O	O	O	O	O	O
電(線)纜 Cables	O	O	O	O	O	O
機箱 Chassis	O	O	O	O	O	O
電源供應器 Power Supply Unit	O	O	O	O	O	O

備考1. “超出0.1 wt %”及”超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。

Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. “0”係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2: “O” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. “—” 係指該項限用物質為排除項目。

Note 3: The “—” indicates that the restricted substance corresponds to the exemption.

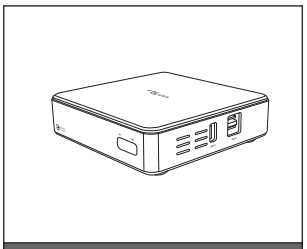
INTRODUCTION

Package Contents

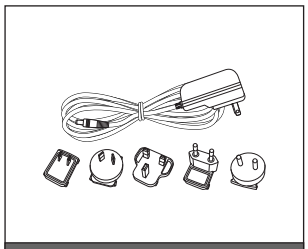
Carefully unpack and verify that you have the items listed below under standard accessories. Some accessories may vary from region to region.

The warranty card is only supplied in some specific regions. Please consult your dealer for detailed information.

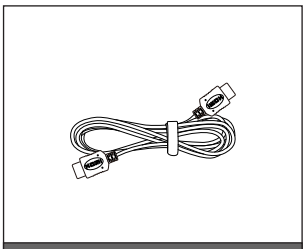
Standard Accessories



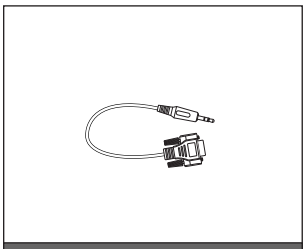
OC Hub



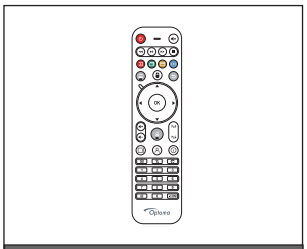
Power Adapter & Plugs



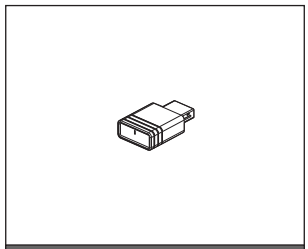
HDMI Cable (1.8 m)



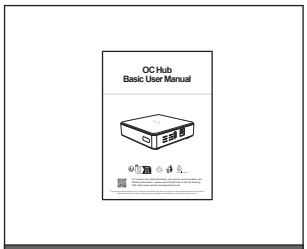
RS232 Mini Jack Cable



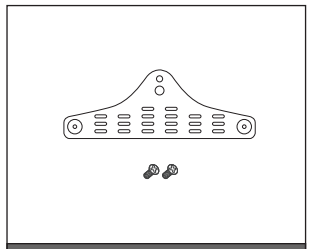
Remote Control



Wi-Fi Dongle



Quick Start Guide



Wall Mounting Kit

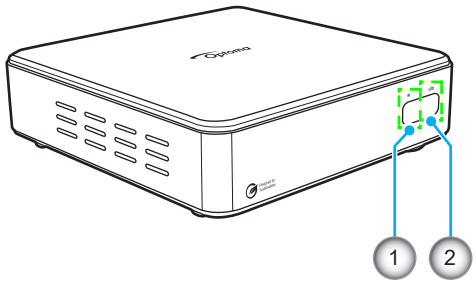
Note:

- *For warranty information, please visit www.optoma.com.*
- *The power plug adapter can be swapped based on your region.*
- *Please use the wi-fi dongle and power adapter that comes with the product to avoid compatibility issues.*

INTRODUCTION

Product Overview

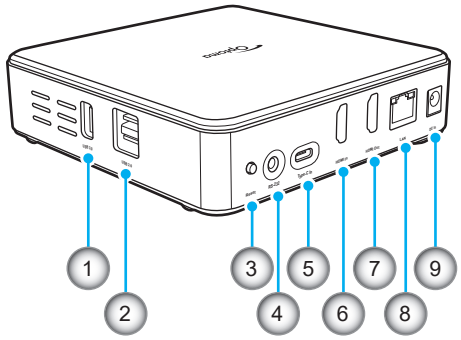
Front View



No.	Item
1.	IR receiver

No.	Item
2.	LED indicator

Rear View



No.	Item
1.	USB 3.0 port
2.	USB 2.0 ports (x2)
3.	Reset button
4.	RS232 mini jack
5.	USB Type-C port

No.	Item
6.	HDMI In port
7.	HDMI Out port
8.	LAN port
9.	DC In jack

Note:

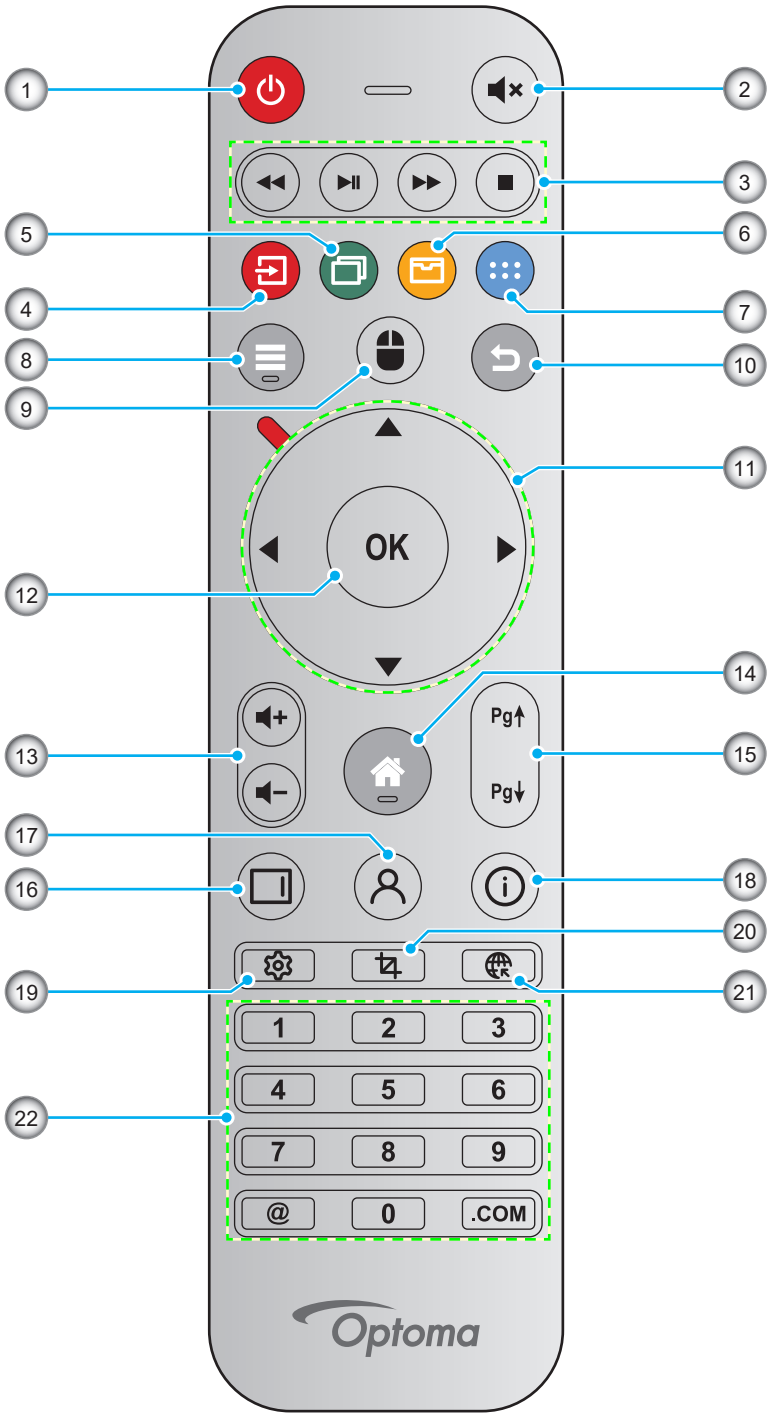
- *(1) USB3.0 port does not support "USB Software Upgrade" via USB flash.*
- *(3) If you want to reset the device, please press the button once and then release it. Do not press the button for more than 3 seconds.*
- *(4) Please use the attached adaptor cable for 3.5mm mini jack to RS232(female).*
- *(5) USB Type-C port does not support the charging function.*
- *(8) LAN port supports POE with 25W.*

LED Indicator

LED Color & Behavior	Status
Solid Red	Standby mode
Solid Green	Power on

INTRODUCTION

Remote Control



No.	Button	Description
1.	Power (⏻)	Press to put the device into Sleep mode. Press it again to wake the device.
2.	Mute (🔇)	Turn off the sound temporarily.
3.	Playback Control (◀◀ / ▶II / ▶▶ / ■)	No function.
4.	Input (⎆)	Select the input source.
5.	Recent Tasks (▭)	View currently running applications.

INTRODUCTION

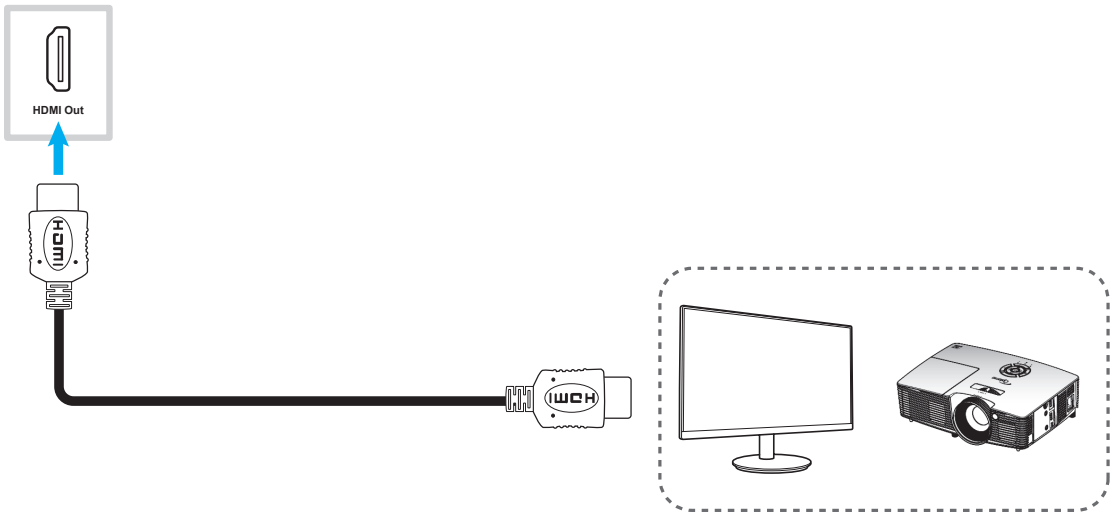
No.	Button	Description
6.	File Manager (✉)	Launch the **File Manager** app.
7.	All Apps (⋮⋮⋮)	View all pre-installed applications.
8.	Menu (☰)	Display or hide the OSD menu.
9.	Mouse Toggle (🖱)	Enter ***Mouse*** mode. Press it again to switch back to ***Default Button*** mode. **Note:** *In **Mouse** mode you can use the Navigation keys (▲ / ▼ / ◀ / ▶) to move the mouse cursor, and press the OK button to confirm the selection.*
10.	Back (↩)	Return to the previous screen or exit.
11.	Navigation keys (▲ / ▼ / ◀ / ▶)	Select an item or option.
12.	Enter (OK)	Confirm the selection.
13.	Volume keys (🔊+ / 🔊−)	Adjust the volume level.
14.	Home (⌂)	Return to the Home screen.
15.	Page Up/Down keys (Pg↑ / Pg↓)	Perform the same function as the ***PgUp*** or ***PgDn*** key on a computer keyboard.
16.	Side Toolbar Toggle (▣)	Open or hide the side toolbar.
17.	Account Manager (👤)	Sign in to Whiteboard.
18.	Information (ⓘ)	Show the current input source and information.
19.	Settings (⚙)	Open the **Settings** menu.
20.	Screenshot (✂)	Take a screenshot.
21.	Browser (🌐)	Launch the **Chromium** app.
22.	Numeric keys	Numeric input keys

SETUP AND INSTALLATION

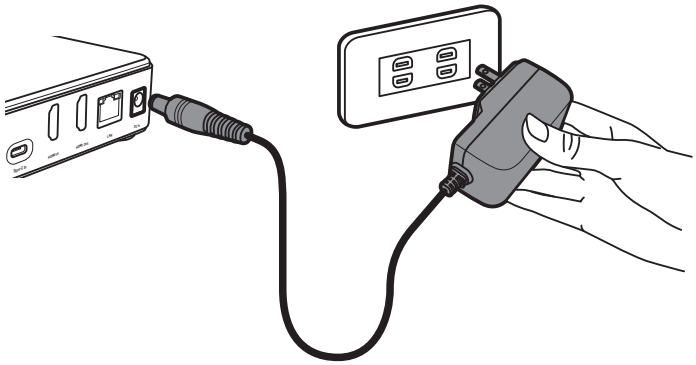
Connections

Getting Started

1. Connect your display or a projector to the HDMI out port on the OC Hub.



2. Connect one end of the power cord to the DC In jack on the OC Hub.
3. Connect the other end of the power cord to a power outlet or a power supply. The OC Hub will automatically turn on.

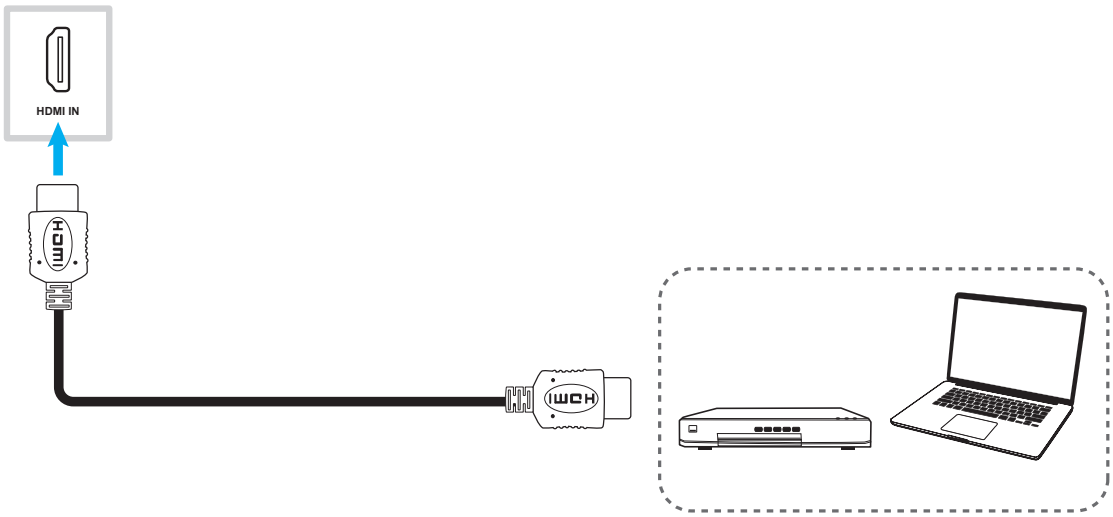


SETUP AND INSTALLATION

Connecting Other External Devices

HDMI input connection

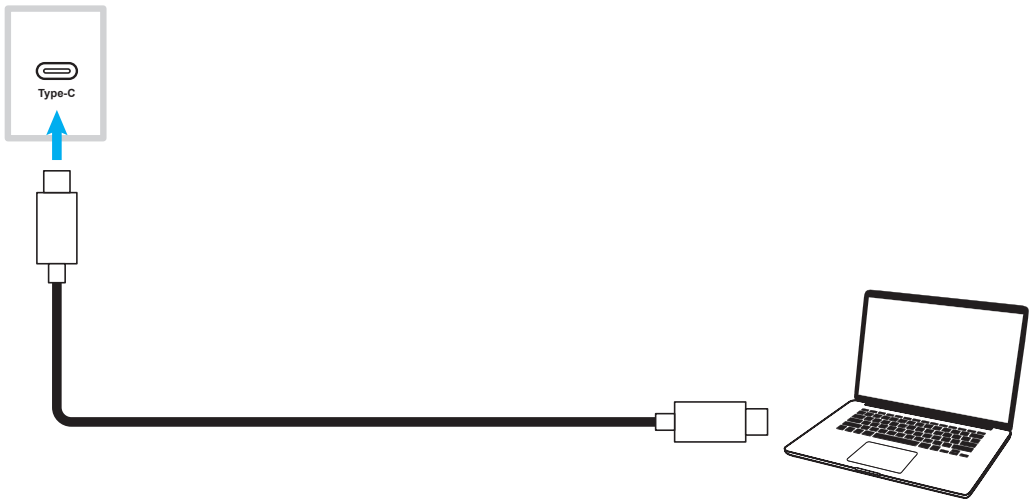
Connect your video source or a computer to the OC Hub using an HDMI cable.



USB Type-C connection

Connect your computer to the OC Hub using a USB Type-C cable.

Note: *The USB Type-C port doesn't support charging function.*

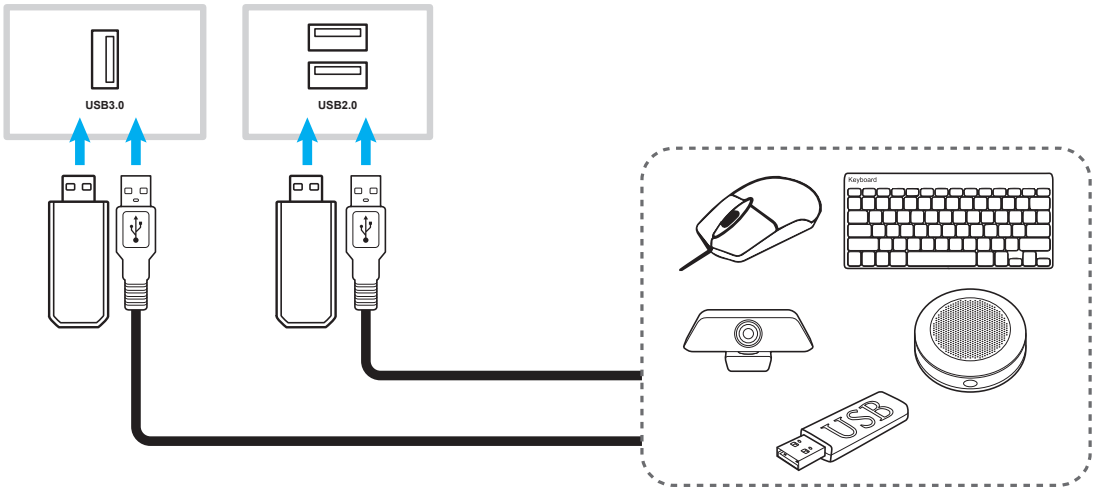


SETUP AND INSTALLATION

USB connection

Connect your USB peripheral device to the OC Hub using a USB cable.

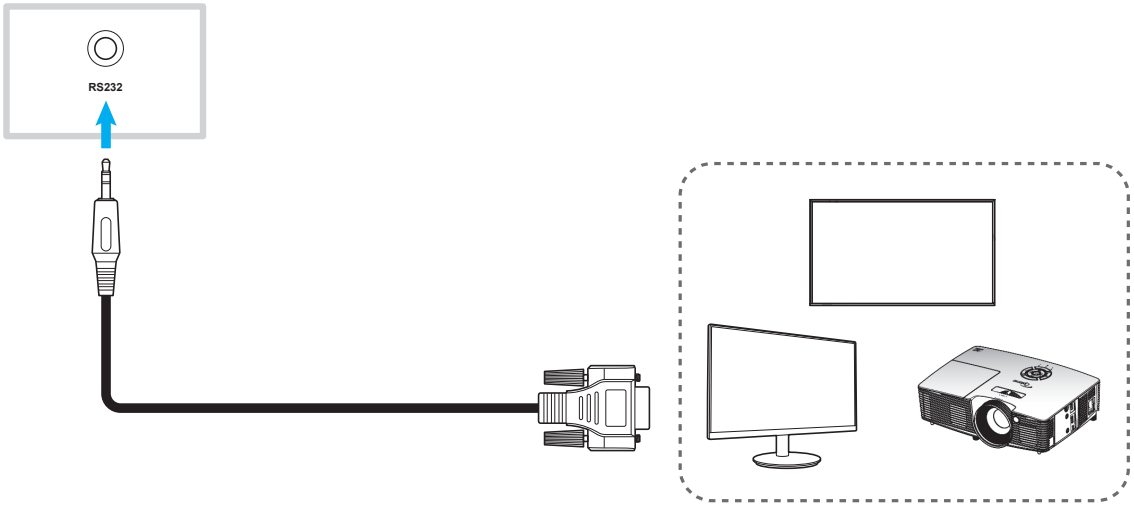
Note: *For USB flash drive connection, simply plug it into one of the available USB ports.*



RS232 connection

Connect your IFP/FP, TV/monitor or projector to the OC Hub using a RS232 mini jack cable.

Note: *If needed, use a RS232 Male to Female extension cable to extend your existing cable connections.*

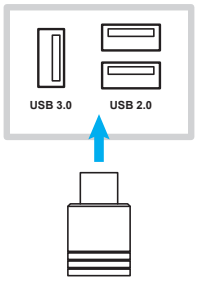


SETUP AND INSTALLATION

Network connection

- For wireless network connections, plug your Wi-Fi dongle into one of the available USB ports.

  Note: *The Wi-Fi dongle doesn't support hot plug. Make sure to plug in the Wi-Fi dongle first before turning on the OC Hub.*



- For wired network connections, connect the OC Hub to the network using an Ethernet cable.

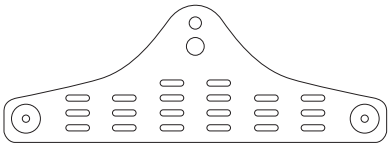
  Note: *The LAN port supports PoE function which can delivery a maximum power output of 25W.*

Note: *To configure network settings, refer to "Configuring Network Settings" on page 30.*

SETUP AND INSTALLATION

Wall Mounting

Use only an Optoma-approved wall mount kit. Kit will include the following items:



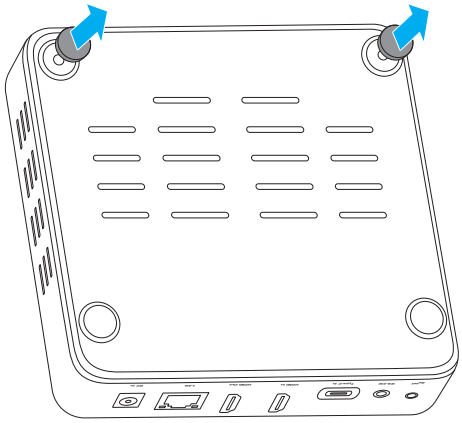
Mounting Plate

Screw: M2 x 10mm (x2)

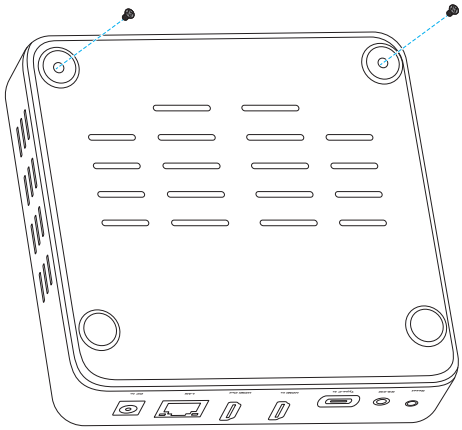
Installing the Wall Mount

To mount the device on the wall, complete the following steps:

1. Place the device on a stable surface with its bottom facing up. Then remove the two rubber feet from the device.

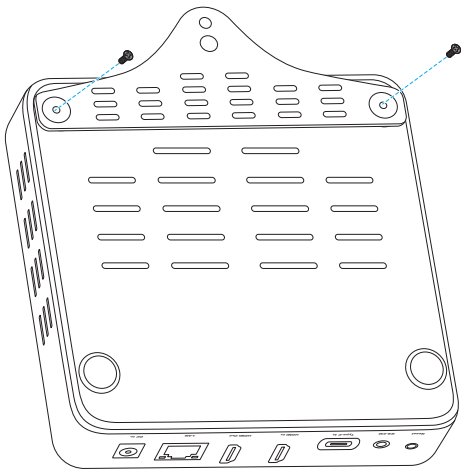


2. Remove the two screws.



SETUP AND INSTALLATION

3. Align the screw holes on the mounting plate with the screw holes on the back of the OC Hub, then secure the mounting plate with two screws.



Note:

- *Screws must be tightly secured; however, to avoid damage to the mounting plate or device, do not overtighten the screws.*
- *Please note that damage resulting from incorrect installation will void the warranty.*

SETUP AND INSTALLATION

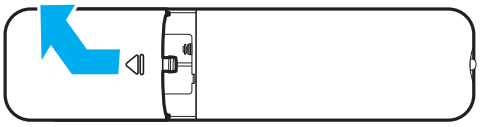
Using the Remote Control

Installing/Replacing the Remote Control Batteries

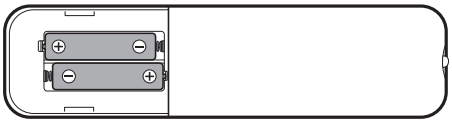
The remote control requires installing two AAA batteries to control the OC Hub.

IMPORTANT! *Replace only with the same or equivalent type batteries.*

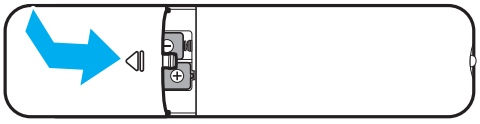
1. Remove the cover of the battery compartment.



2. Insert the two batteries with correct polarity (+/-) as shown inside the battery compartment.



3. Replace the cover.



CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

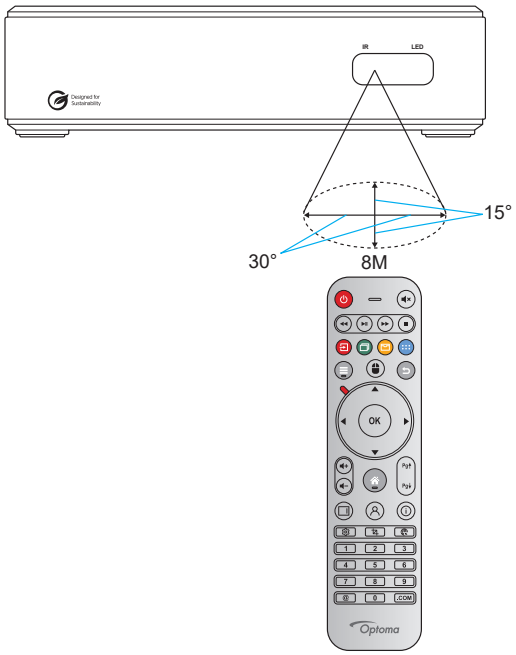
- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they are depleted. Chemicals that leak from batteries that come in contact with skin can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control for an extended period of time, remove the batteries.
- When you dispose of the batteries, you must obey the law in the relative area or country.

SETUP AND INSTALLATION

Remote Control Operating Range

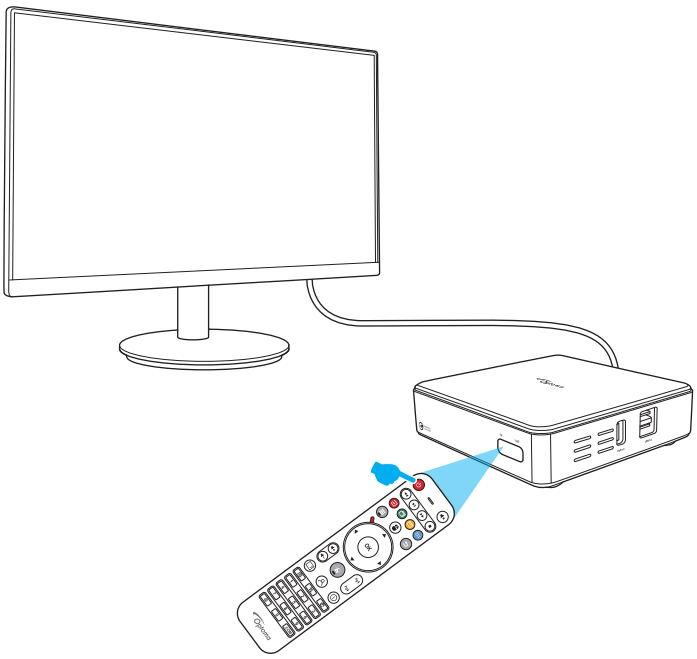
When using the remote control, make sure to point it within ±30° (horizontally) or ±15° (vertically) to the IR receiver on the OC Hub. The distance between the remote control and the IR sensor window should not be longer than 8 meters.

- Make sure that there are no objects or other interferences between the remote control and the IR sensor window on the OC Hub that might obstruct the infra-red beam.
- Make sure the IR transmitter of the remote control is not being obstructed by direct sunlight or fluorescent lamps.
- If the remote control is near Inverter-Type fluorescent lamps, you may experience intermittent functionality.
- If the remote control and the OC Hub are too close together, the remote control might not function properly.



SETUP AND INSTALLATION

Turning On the OC Hub



The OC Hub is automatically turned on when the power cord is connected to the power outlet. The LED indicator light turns green, indicating it is ready to use.

Note: *Before powering the OC Hub, ensure that the HDMI cable is securely connected to both the OC Hub and external display. Refer to page 12.*

Putting the OC Hub into Sleep Mode

Press the ⏻ button to put the OC Hub into Sleep mode. The LED indicator light turns red and there is no image displayed from your OC Hub to the connected display.

To wake the OC Hub, press the ⏻ button again.

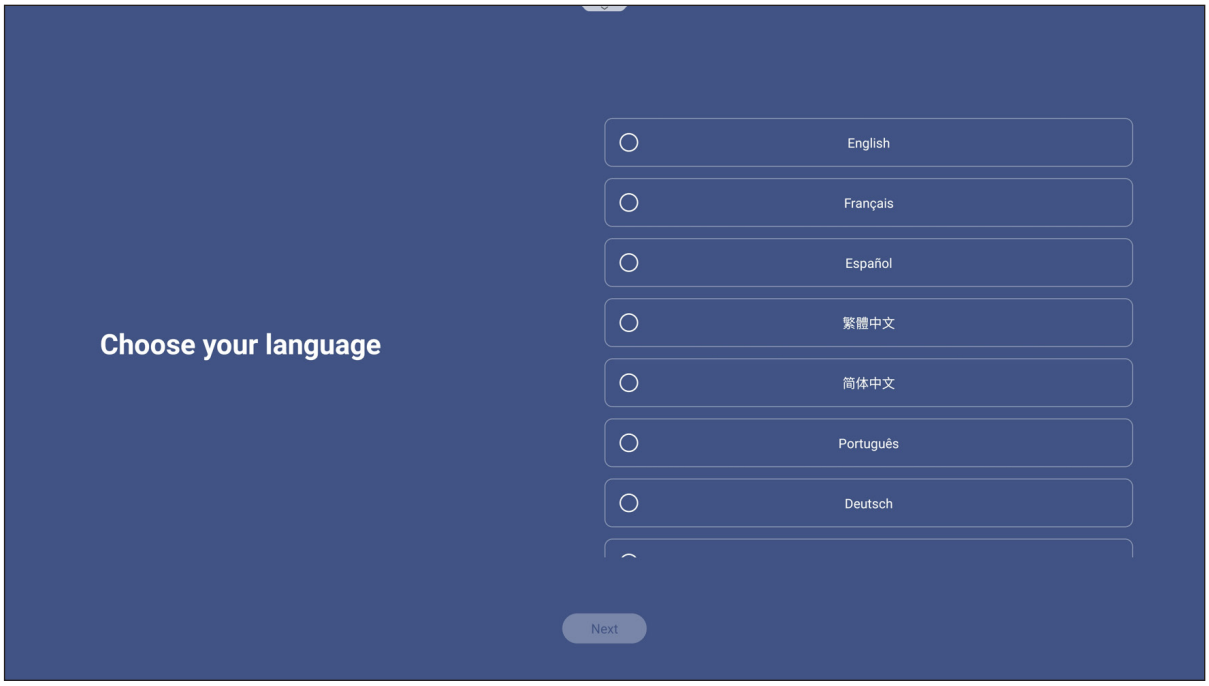
Note: *The OC Hub still consumes power when it is in sleep mode. It is highly recommended to unplug the power cord from the power outlet if the OC Hub will not be used for an extended period of time.*

SETUP AND INSTALLATION

Setup Wizard

The Setup Wizard will appear on the screen when you turn on your OC Hub for the first time.

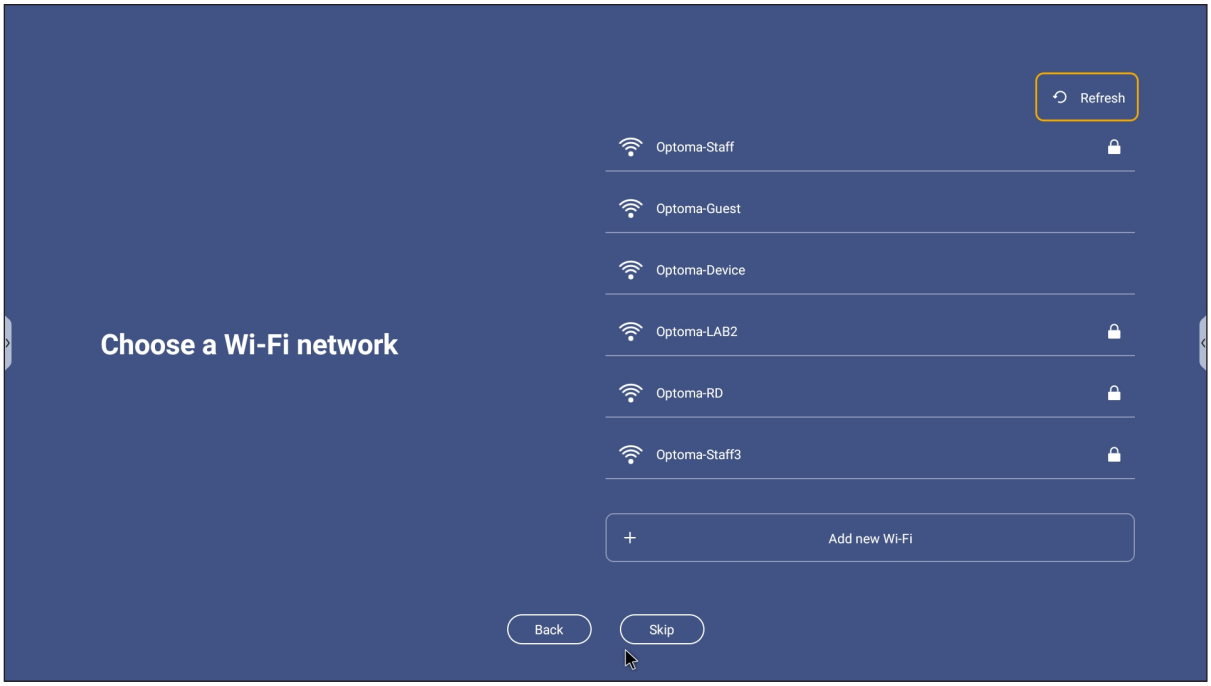
1. Select the language for the on-screen display (OSD) menu. Then select ***Next*** to continue.



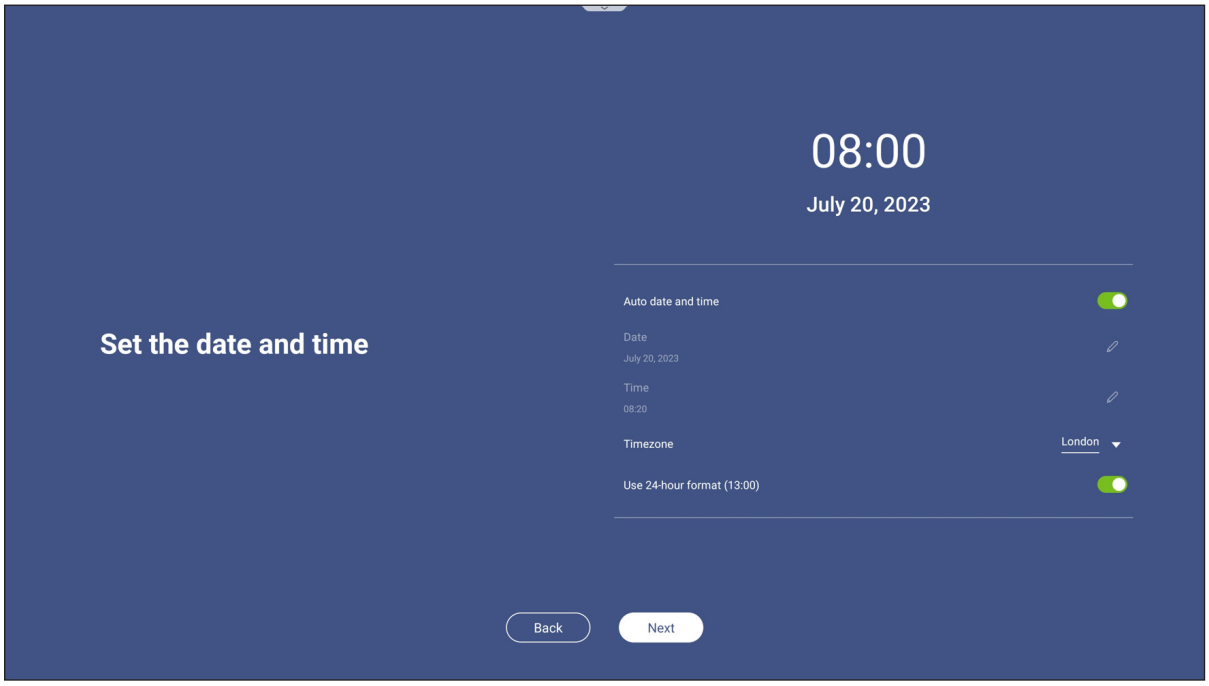
2. If you want to connect your OC Hub to the Internet wirelessly, select one of the available networks and select **Connect**. Otherwise, select ***Skip***.

IMPORTANT!

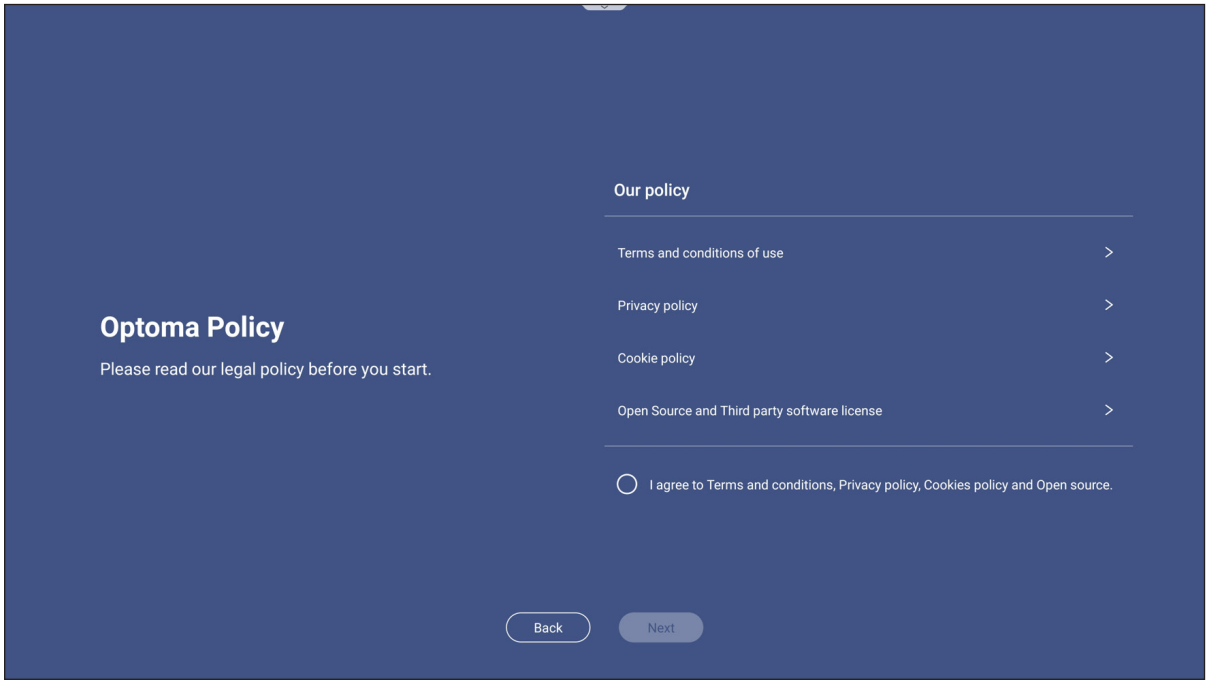
- *To connect to a wireless network, make sure the Wi-Fi dongle is properly plugged into the USB port.*
- *If you are connecting to a secure network, you will need to enter the password when connecting for the first time only.*



3. Configure the date and time related settings. Then select ***Next*** to continue.

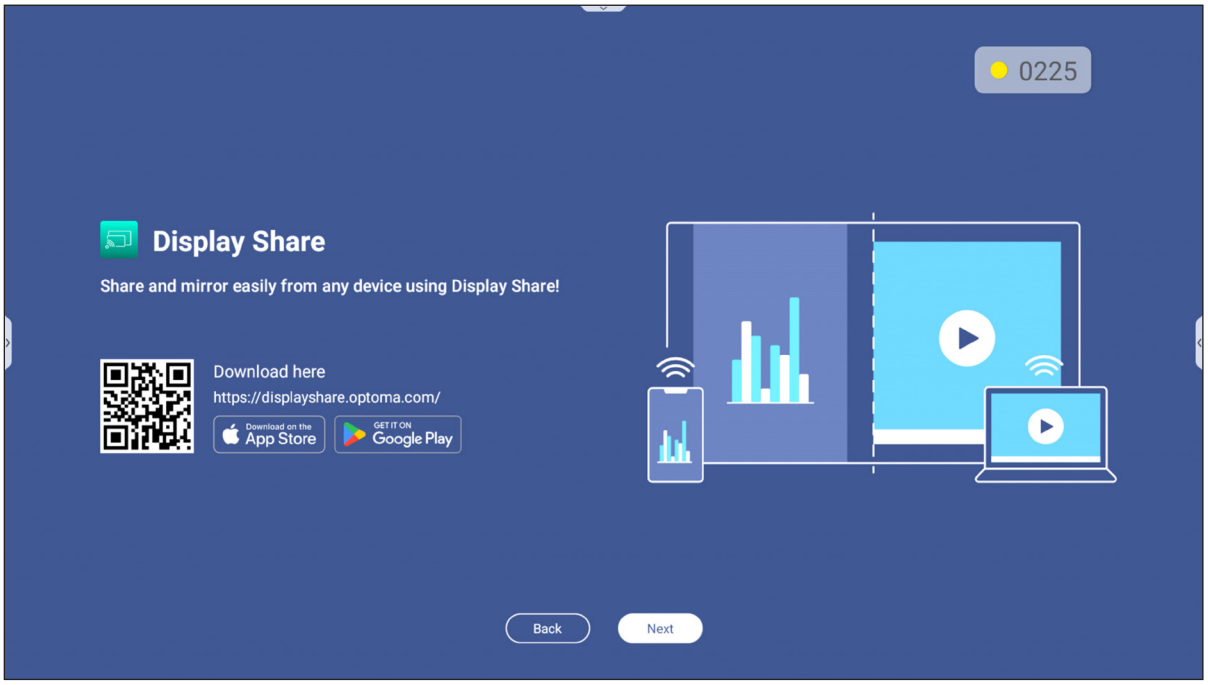


4. Read Optoma's legal policies, including Terms and conditions of use, Privacy policy, Cookie policy, and Open Source and Third party software license. Check the ***I agree to Terms and conditions, Privacy policy, Cookies policy and Open source*** radio button, and then select ***Next*** to continue.

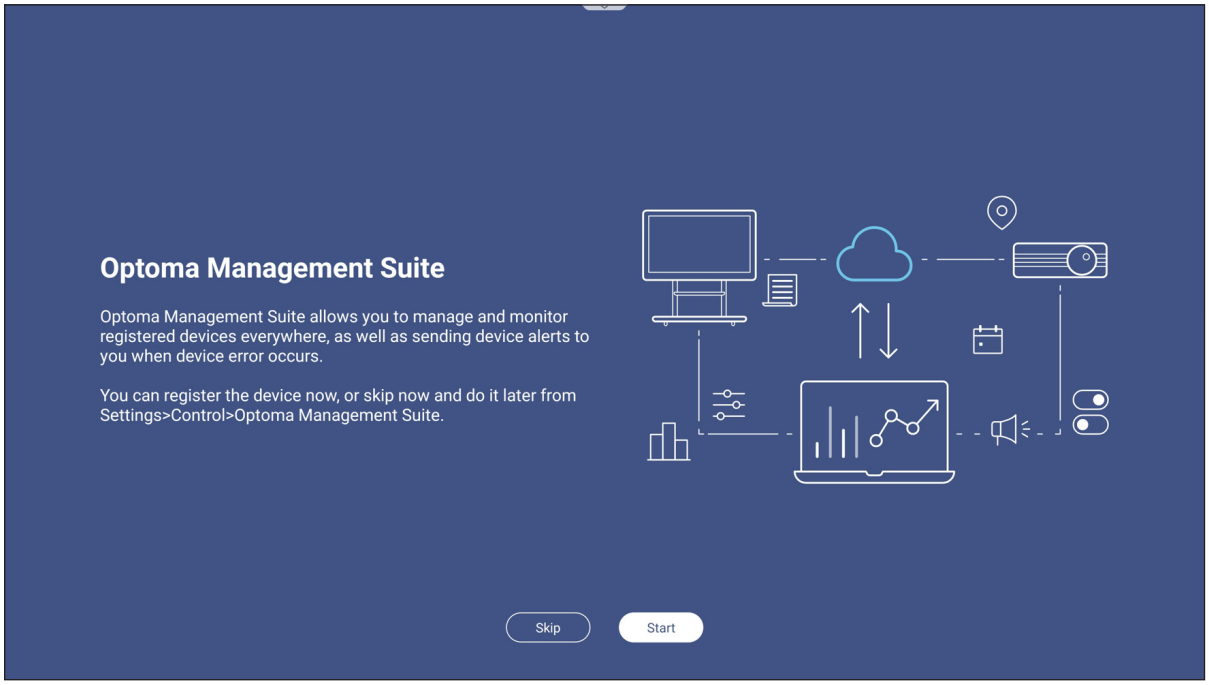


SETUP AND INSTALLATION

5. To install the Display Share app on your mobile device, scan the QR code shown on the screen. Then select ***Next*** to continue.



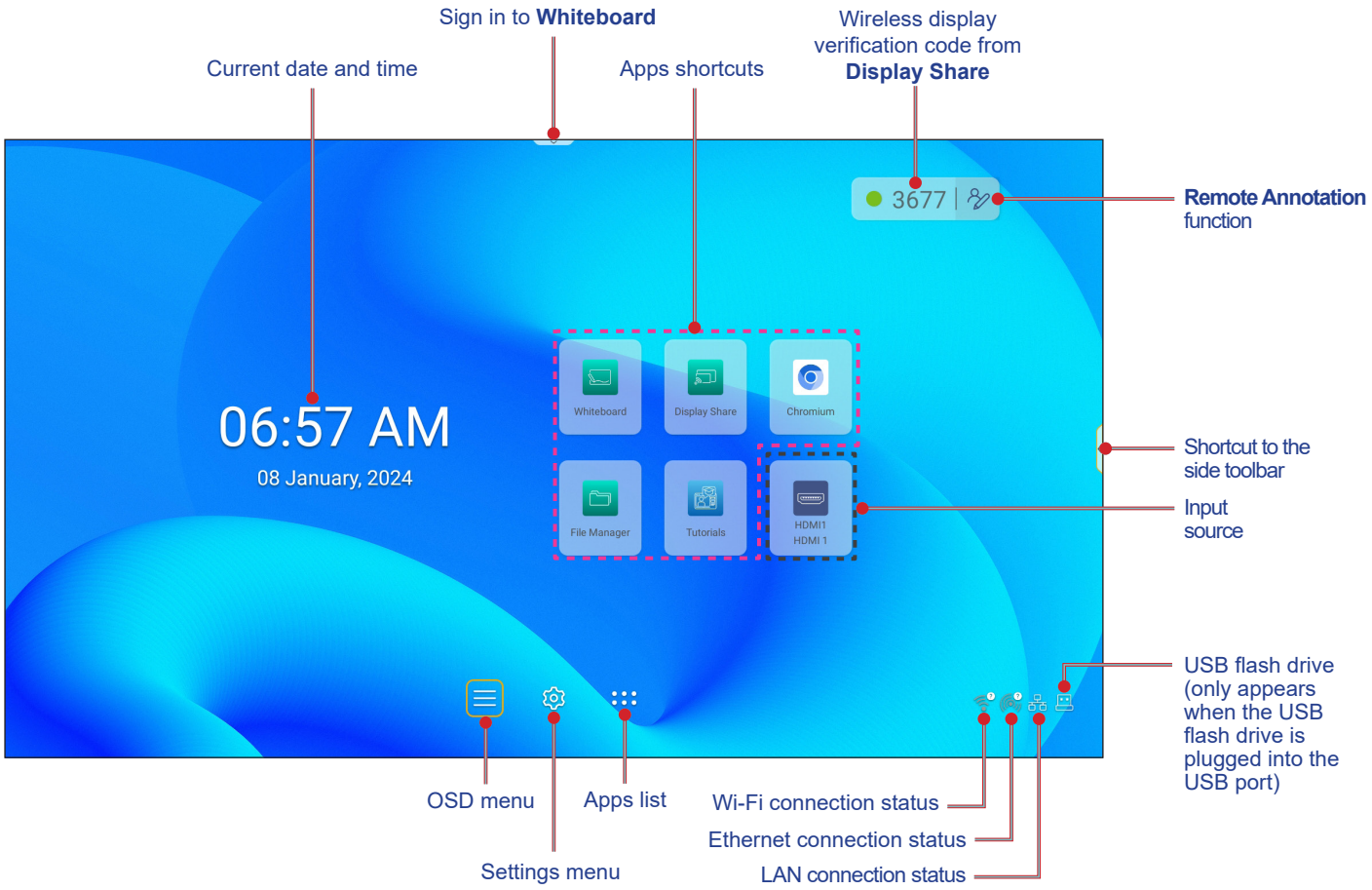
6. To begin setting up OMS, select ***Start*** and follow the on-screen prompts, otherwise select ***Skip***. The OC Hub is now ready to use. For more set up information, please refer to page 71.



BASIC OPERATIONS

Home Screen Overview

Home screen is displayed on the connected display every time you start the OC Hub.



To navigate the Home screen, press the ▲, ▼, ◀, or ▶ button to select an option and press the **OK** button to confirm.

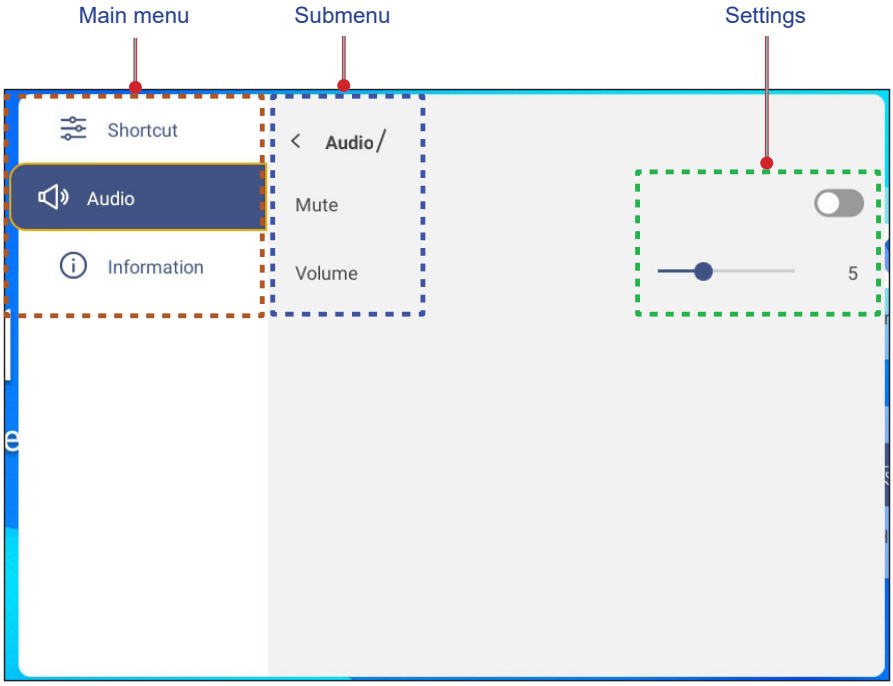
Note:

- *Unless otherwise specified, this section describes operating the OC Hub using the remote control.*
- *You can also use a mouse to operate the OC Hub.*

BASIC OPERATIONS

OSD Menu

To open the OSD menu and configure the settings, you can use the remote control.



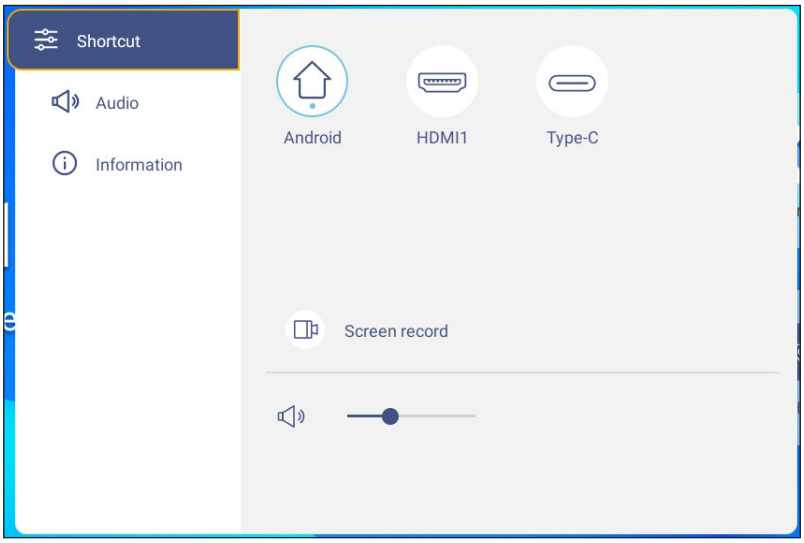
Operation/Action	Using the Remote Control
Open the OSD menu	Press the ☰ button
Select an item	Press the ▲ or ▼ button
Enter the submenu	Press the ▶ button
Adjust the setting	Press the ◀ or ▶ button
Confirm the selection	Press the OK button
Move to the previous item	Press the ⮌, ◀, or ☰ button
Close the OSD menu	Press the ☰ button or toggle the ⮌ button

Note: *The selected menu item is highlighted with an orange rectangle.*

BASIC OPERATIONS

Shortcut Menu

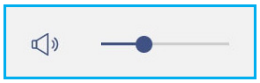
Shortcut menu is the first OSD menu. Complete the following steps:



- Select the input source. Those input sources that are available are marked with the DOT ● symbol.

Note: *For more information on setting up connections with external devices, refer to the "Connecting Other External Devices" section.*

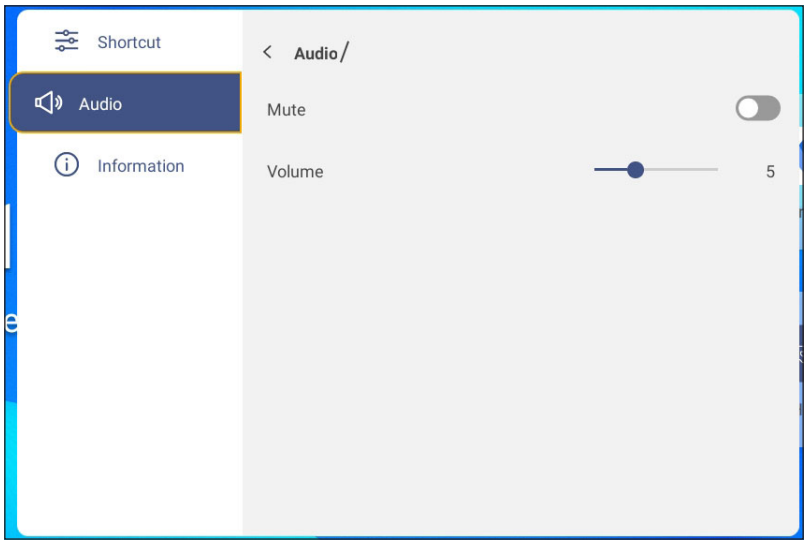
- Select ***Screen record*** to record video from the connected display panel screen and connected camera screen (if enabled). For more information, refer to the *"Screen Recorder"* section.
- Select the volume slider bar and press the ◀ or ▶ button to adjust the volume level.



BASIC OPERATIONS

Configuring Audio Settings

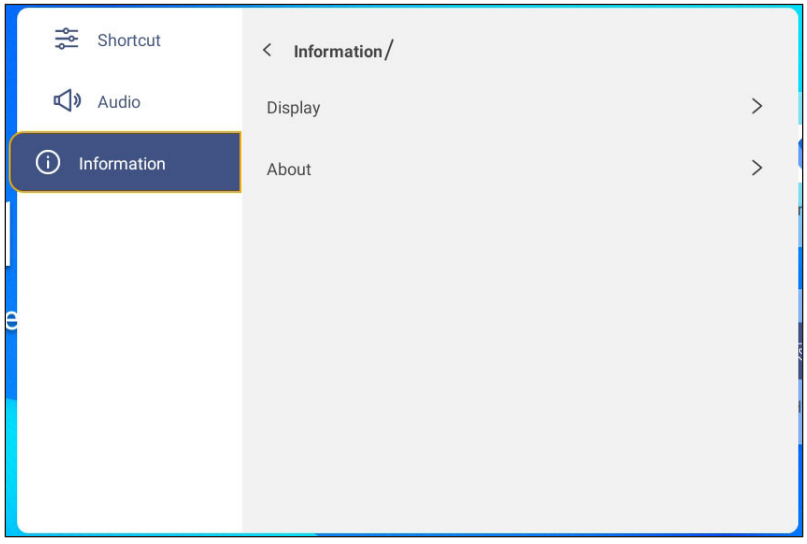
In the OSD menu, select to open the Audio menu, then complete the following steps:



- Select ***Mute*** to mute or unmute audio.
  Note: *You can also mute or unmute audio by pressing the button on the remote control.*
- Select the ***Volume*** slider bar and press the ◀ or ▶ button to adjust the volume level.

Viewing OC Hub Information

In the OSD menu, select to open the Information menu, then complete the following steps:



- Select ***Display*** to view display mode, current input source, resolution, color depth, and color format.
- Select ***About*** to view regulatory model name, serial number, firmware version, and Android version.

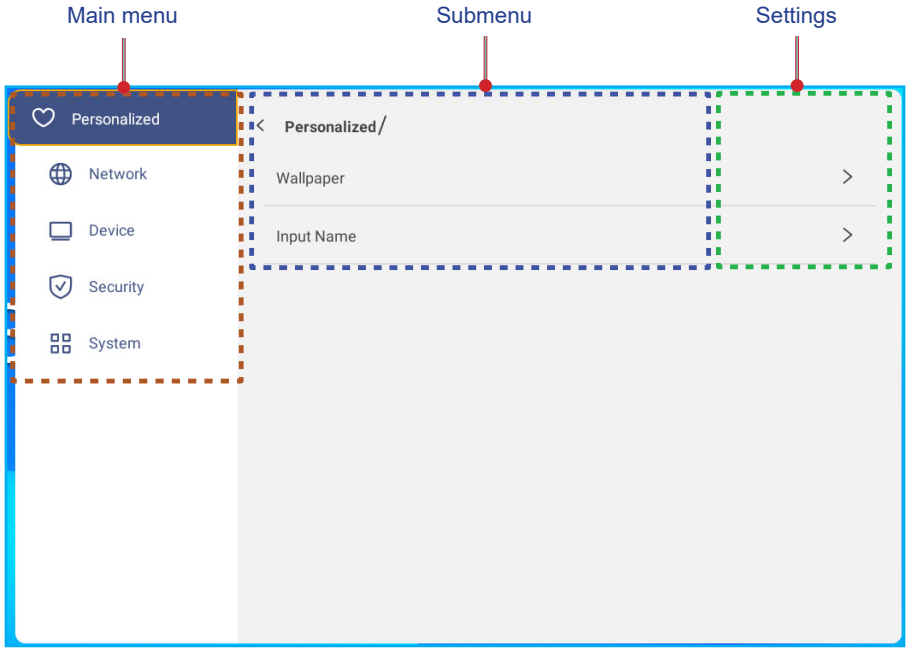
BASIC OPERATIONS

Android Settings Menu

To open the Settings menu, select ⚙ on the Home screen and press the **OK** button on the remote control.

Note:

- *You can also access the Settings menu by pressing the ⚙ button on the remote control.*
- *Settings can be modified only in Android mode.*



Use the remote control to configure the setting.

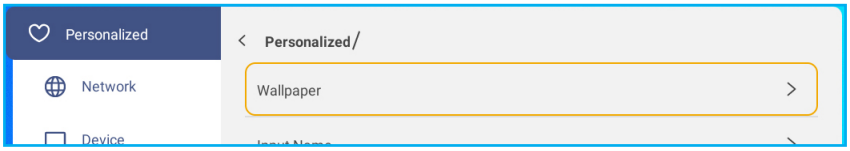
Operation/Action	Using the Remote Control
Open the **Settings** menu	Press the ⚙ button
Select an item	Press the ▲ or ▼ button
Enter the submenu	Press the ▶ button
Adjust the setting	Press the ◀ or ▶ button
Confirm the selection	Press the **OK** button
Move to the previous item	Press the ⮌ or ◀ button
Close the **Settings** menu	Press the ⚙ button or toggle the ⮌ button

Note: *The selected menu item is highlighted with an **orange** rectangle.*

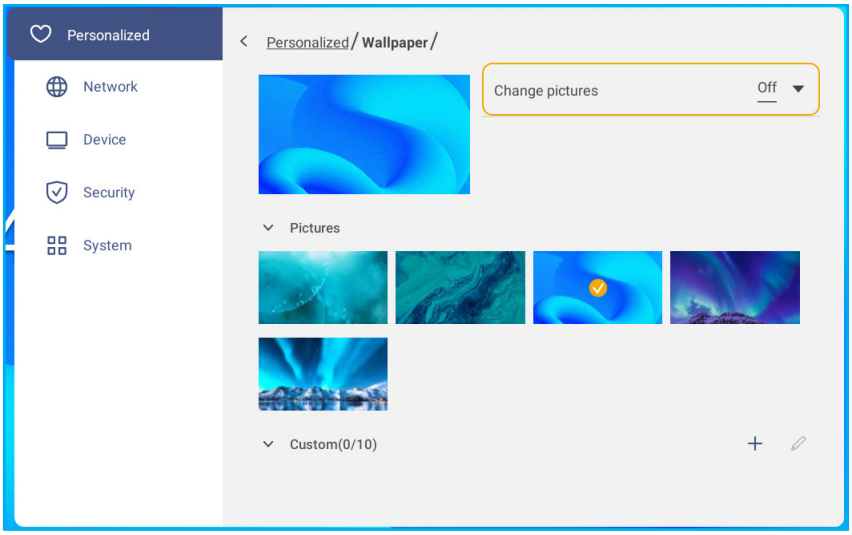
BASIC OPERATIONS

Personalizing the System

In the Settings menu, select ♡ to open the Personalized menu, then complete the following steps:



- Select ***Wallpaper*** and select a pre-loaded image as a wallpaper or an image from your gallery.



If you select a pre-loaded wallpaper from the Pictures folder, the setting will take effect immediately.

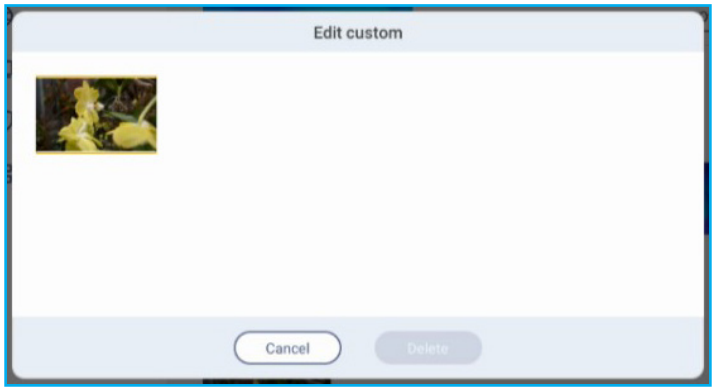
If you prefer to use a customized wallpaper, follow these steps:

a) In the Custom folder, select +.

b) Select your preferred image from the local or external storage and select ***OK***. You can import up to 10 images.

c) In the Custom folder, select the image you wish to use as a wallpaper. The setting takes effect immediately.

Note: *To delete images in the Custom folder, select ✎. Then select the image and select* ***Delete****.*



- ***Change pictures***: Select the slideshow interval from 5mins to 1 day. By default the slideshow is off.

Note: *You can also set a wallpaper directly from the* ***File Manager*** *gallery. For more information on the* ***File Manager****, refer to page 66.*

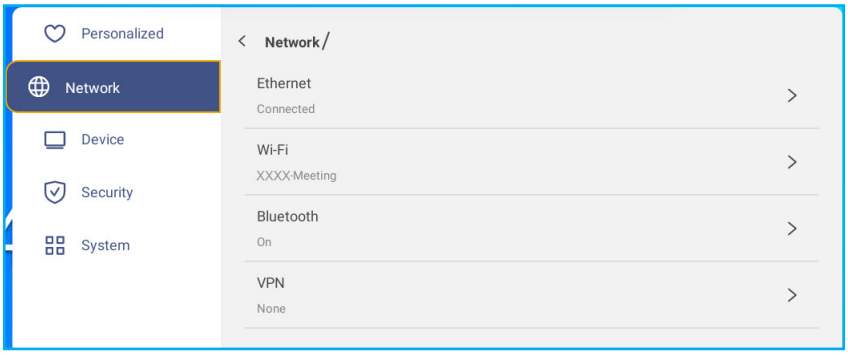
- Select ***Input Name*** to rename the input. Select the input name you wish to change, then type a new name and confirm name modification by selecting **OK** at the prompt.

BASIC OPERATIONS

Configuring Network Settings

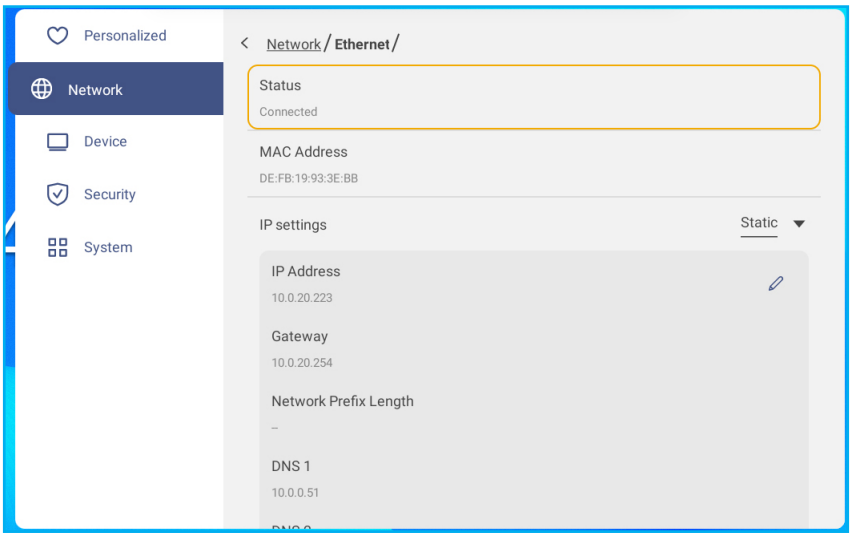
Note: *Before configuring network settings, make sure to connect the Wi-Fi dongle or ethernet cable to your OC Hub.*

In the Settings menu, select to open the Network menu, then complete the following steps:



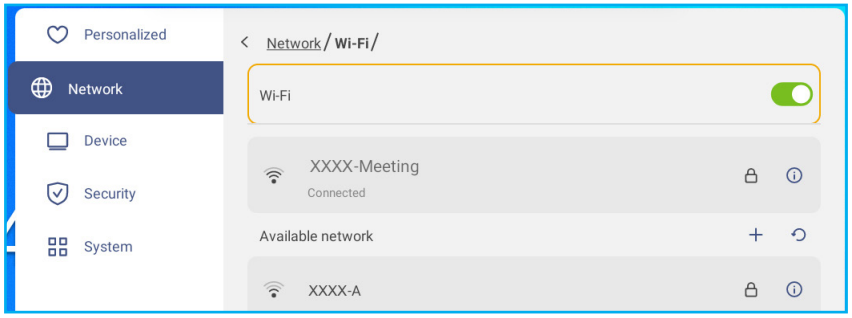
- Select ***Ethernet*** to configure LAN settings. In the IP settings section, select the network type (static or DHCP). If you set the network type as ***Static*** then select and enter the connection settings, such as IP address, gateway, network prefix length, and more.

  IMPORTANT! *To connect to a wired network, you need to properly connect an ethernet cable between the wired network device (such as a router or switch) and the OC Hub.*
  For more information, refer to page 15.



- Select ***Wi-Fi*** to connect the OC Hub to the Wi-Fi network and view current connection status. Make sure the Wi-Fi function is enabled. In the Available network list, select your preferred Wi-Fi network, for example XXXX. Provide an access password if needed.

  IMPORTANT! *To connect to a Wi-Fi network, make sure the Wi-Fi dongle is properly connected to the OC Hub.*
  For more information, refer to page 15.



Note: *If your preferred Wi-Fi network is not visible in the list, select to refresh the list. To enter the Wi-Fi network manually, select .*

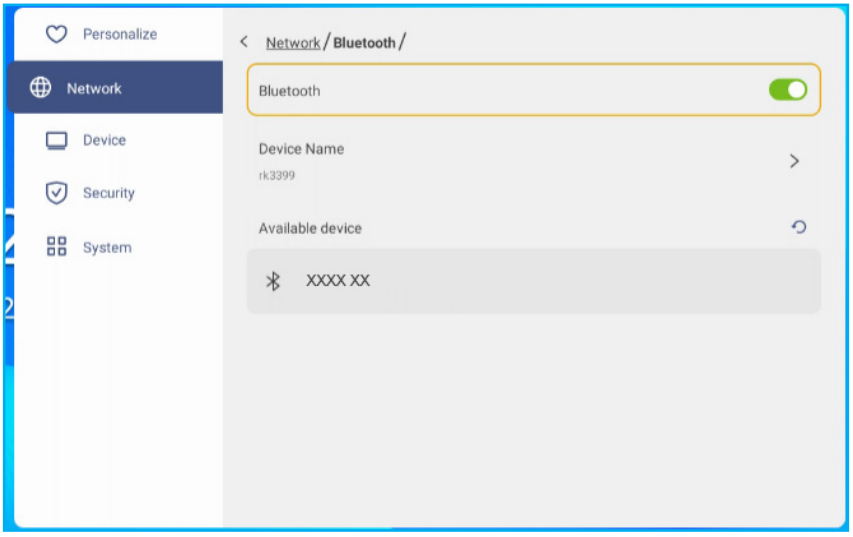
- Enable ***Portable Hotspot*** feature to share the Wi-Fi network to other wireless devices. Modify the network name and set an access password if necessary.

Note: *For a secure connection, set the Wi-Fi encryption (Security field) as **WPA2-PSK**. Then enter the access password and select **OK**.*

- Select ***Bluetooth*** to enable Bluetooth and connect to other nearby Bluetooth devices. The OC Hub supports Bluetooth version 5.2 and can connect with compatible Bluetooth devices, such as a keyboard, mouse, and speaker.

  Select the following:

  - ***Device Name*** to enter a new device name. To confirm the modification, select ***OK*** at the prompt.
  - In the list of *Available device*, select the device you want to connect to. Then follow the on-screen instructions to pair the device.



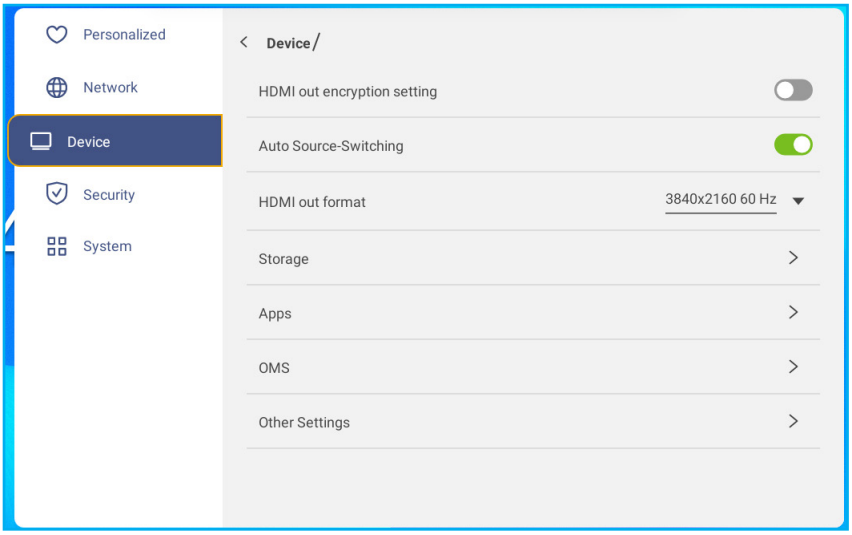
Note: *If the Bluetooth device is not visible in the list of available devices, make sure the device is nearby the OC Hub and Bluetooth is enabled. Then select ↻ to refresh the list.*

- Select ***VPN*** to configure VPN settings.

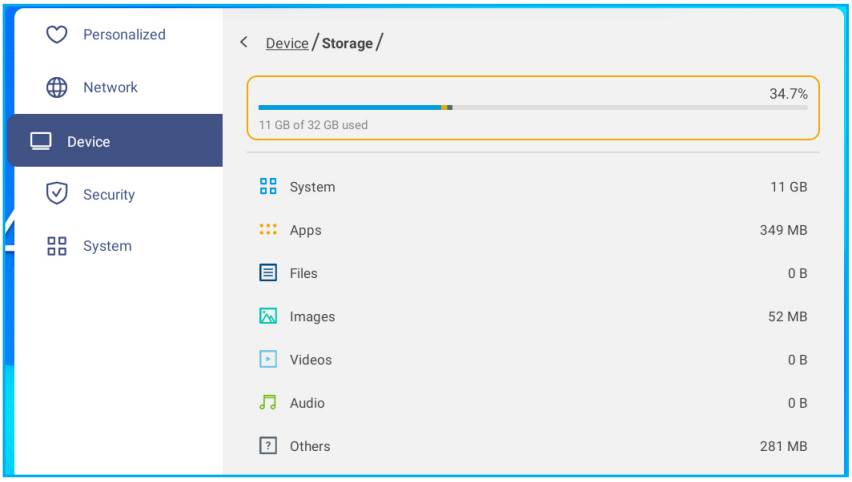
BASIC OPERATIONS

Configuring Device Settings

In the Settings menu, select to open the Device menu, then complete the following steps:

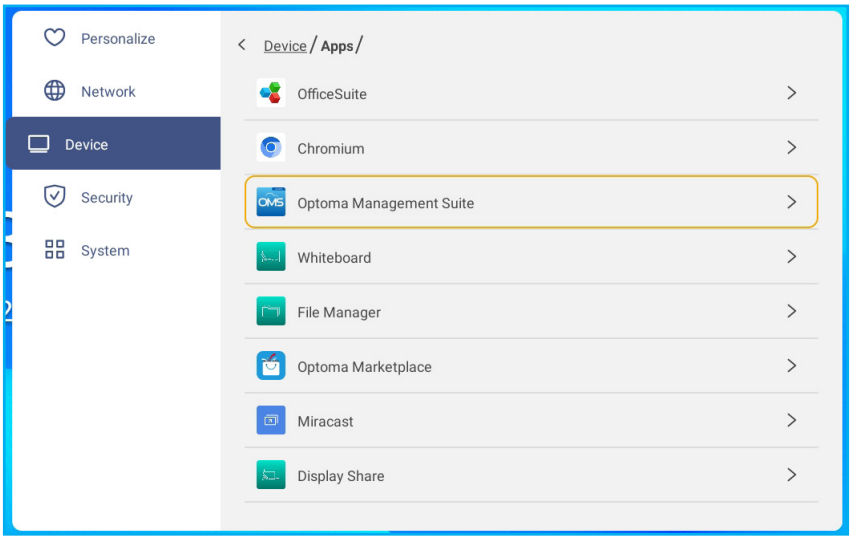


- Enable ***HDMI out encryption setting*** to enable or disable encrypting HDMI out signal with HDCP.
  Note: *If the connected monitor does not support HDCP, disable HDMI out encryption function.*
- Enable ***Auto Source-Switching*** to allow the system to automatically switch to the new source signal when the connected device is turned on.
- Select ***HDMI out format*** to select the format that can be output from the HDMI port.
- Select ***Storage*** to view storage usage.

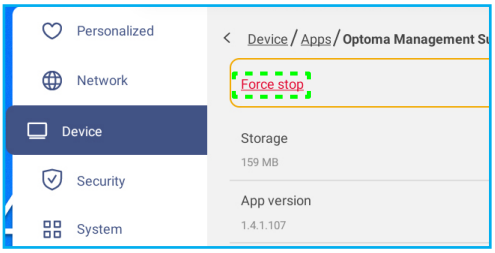


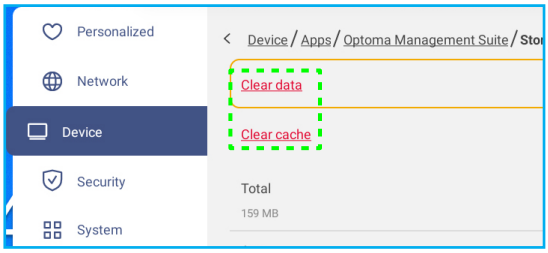
BASIC OPERATIONS

- Select ***Apps*** to view apps information, clear apps data and cache, and force stop apps.



Select an app in the list to force stop it (select ***Force stop***), view its storage and clear its data (select ***Clear data***) and cache (select ***Clear cache***), view app version and set permissions.





- Select ***OMS*** to set up remote management settings. For more information, refer to page 71.
- Select ***Other Settings*** > ***Side tool bar settings*** to configure the side toolbar and Sign-in Bar settings.

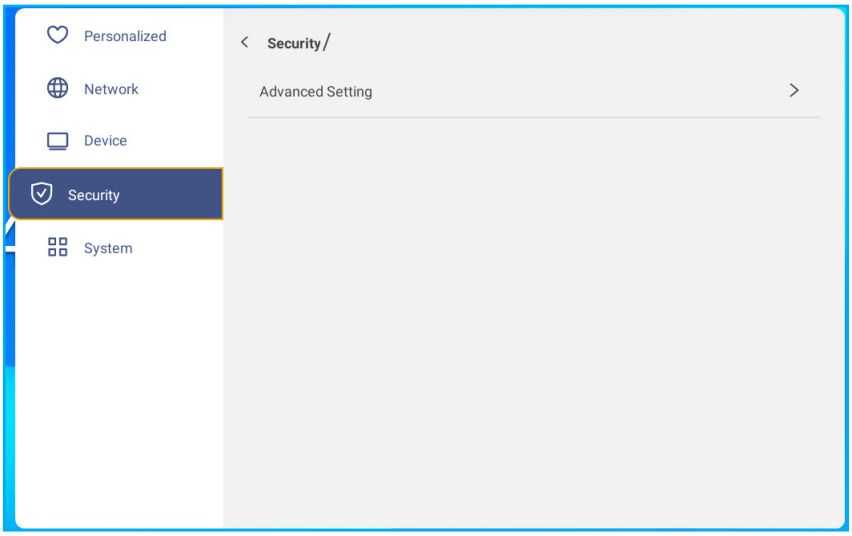
  Select any of the following:

  - ***Side toolbar settings*** to select when the toolbar is visible: All channels, Only Android, or Disable the side toolbar.
  - ***Sign-in Bar*** to set the sign-in bar to be always visible on the screen or auto hide the sign-in bar.

BASIC OPERATIONS

Configuring Security Settings

In the Settings menu, select to open the Security menu, then complete the following steps:

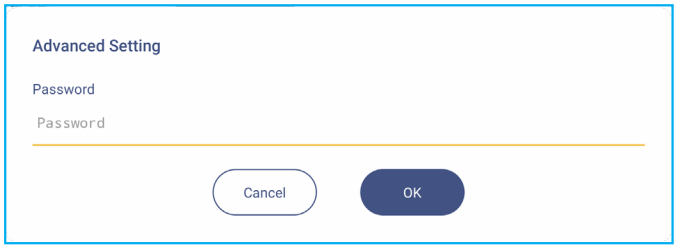


- Select ***Advanced Setting*** to set or modify the Advanced Setting password and enable or disable settings available in the Advanced Settings menu. Do the following:

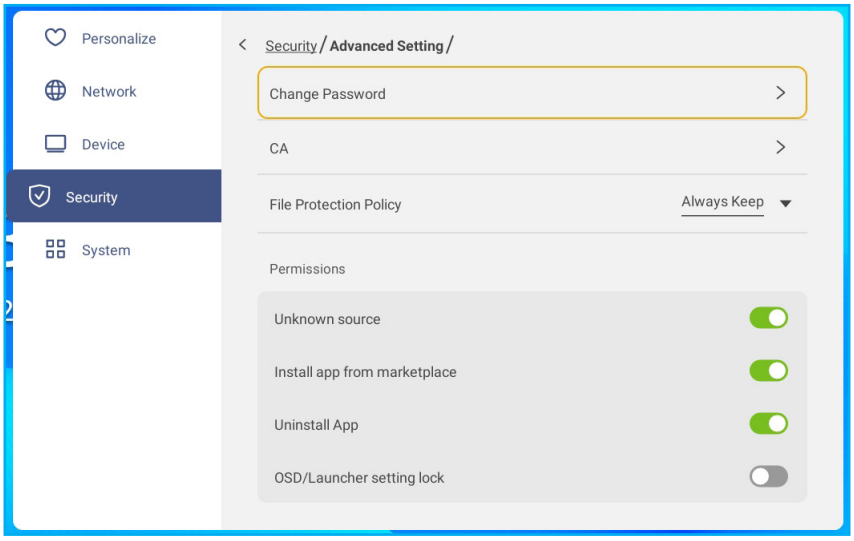
  Note: *The DEALER menu advanced settings can be also accessed with the Advanced Setting password set in this menu.*

  a) Enter the Advanced Setting password at the prompt to access the advanced settings and then select ***OK*** to confirm.

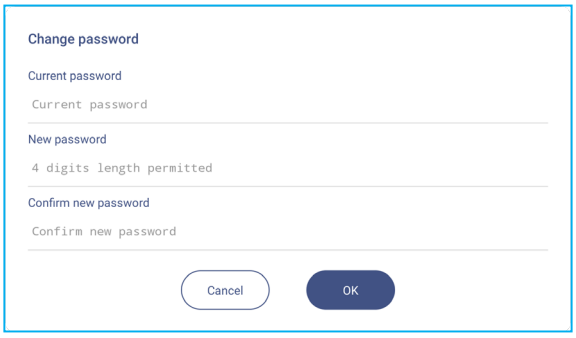
  Note: *The default password is **1 + 2 + 3 + 4**.*



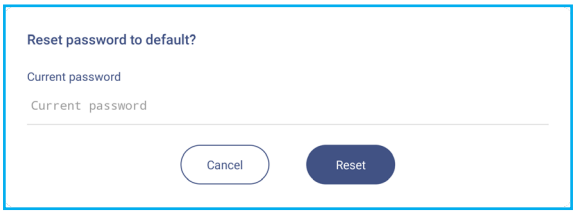
  b) Select any of the following items:



- ***Change password***: Enter the current password and twice the new password. Then select ***OK*** to confirm.

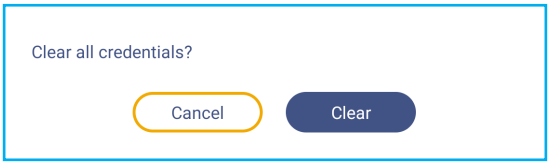


- ***Reset password to default***: Enter the current password and select ***Reset*** to confirm. The password is reset to ***1 + 2 + 3 + 4***.



- Select ***CA*** to view and modify trusted CA certificates, user stored credentials, and more.
  - Select ***Trusted Certificates*** to view and modify trusted CA certificates.
  - Select ***User credentials*** to view and modify user stored credentials.
  - Select ***Install from storage*** to install credentials from the storage.
  - Select ***Clear all credentials*** to remove all user credentials.

  Select ***Clear*** at the prompt to confirm.

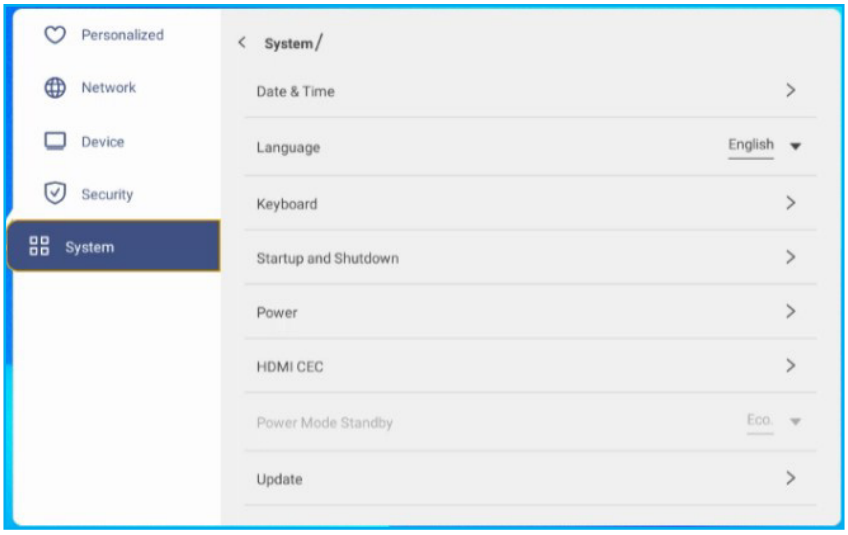


- Select ***File Protection Policy*** to configure the file protection settings.
- Under ***Permissions***, you can configure the folllowing settings:
  - Select ***Unknown source*** and enable or disable installing third party software from an unknown source.
  - Select ***Install app from marketplace*** and enable or disable whether or not to show the app icon to access the ***Optoma Marketplace***.
  - Select ***Uninstall App*** and enable or disable uninstalling third party software.
  - Select ***OSD/Launcher setting lock*** and enable or disable modifying OSD menu settings.
- Under ***Clone***, you can configure the folllowing settings:
  - Select ***Import Launcher setting*** to import launcher settings from the internal storage.
  - Select ***Export Launcher setting*** to export launcher settings to the internal storage.

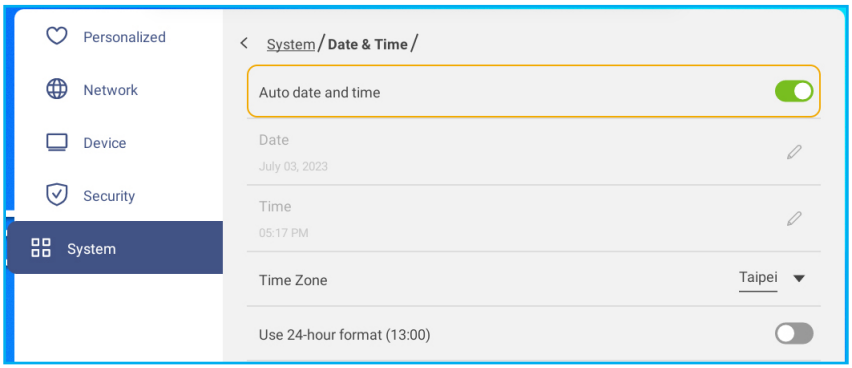
BASIC OPERATIONS

Configuring System Settings

In the Settings menu, select to open the System menu, then complete the following steps:

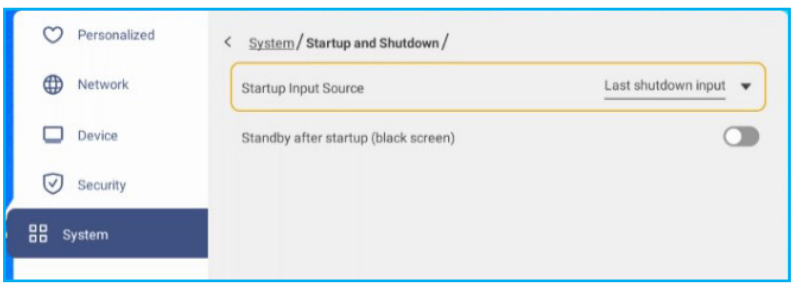


- Select ***Date and Time*** to configure date and time related settings. Select any of the following:



  - Slide the ***Auto date and time*** switch to the right to set the date and time automatically. If you disable this function, then you can manually set the ***Date*** and ***Time*** settings.
  - ***Time Zone*** to select/change the time zone for your area.
  - ***Use 24-hour format (13:00)*** to enable or disable displaying time in 24-hour format.

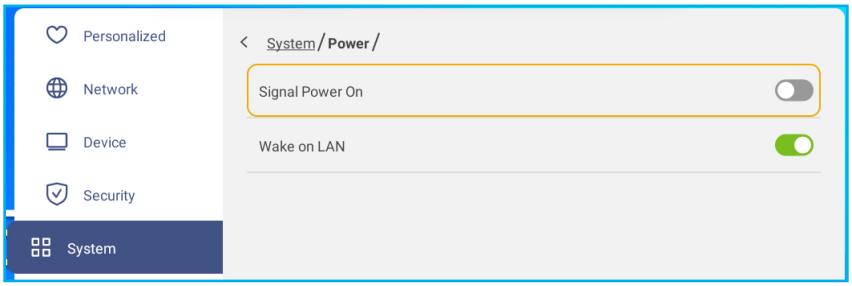
- Select ***Language*** to select one of the available language options: English, French, Spanish, Traditional Chinese, Simplified Chinese, Portuguese, German, Dutch, Polish, Russian, Czech, Danish, Swedish, Italian, Turkish, Arabic, Romanian, Hungarian, Finnish, or Norwegian.
- Select ***Keyboard*** to view and manage keyboards.
- Select ***Startup and Shutdown*** to configure settings related to starting and shutting down the OC Hub. Select any of the following:



  - **Startup Input Source** item to select one of the available startup input options: Last shutdown input, Android, HDMI1, or Type-C.

BASIC OPERATIONS

- Select ***Power*** to configure power settings. Select any of the following:



- ***Signal Power On*** to enable or disable starting up the device when an input signal is detected.

- ***Wake on LAN*** to enable or disable remotely starting up the device over LAN.

Note: *Wake on LAN can't work and will be gray out when Power Mode (Standby) is set to* ***Active****.*

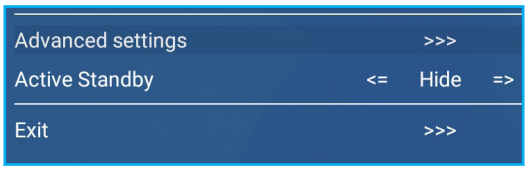
- Select ***HDMI CEC*** to enable or disable any of the available options: Display on then device on, Display off then device off, Device on then display on, or Device off then display off.

Note: ***Display on then device on*** *and* ***Device off then display off*** *options will be gray out when Power Mode (Standby) is set to* ***Eco****.*

- Select ***Power Mode Standby*** item to select one of the available options: Eco or Active. By default, ***Active*** item is not visible. To enable ***Active*** option, do the following:

a) Press ☰ + ***5*** + ***9*** + ***8*** + ***0*** keys on the remote control.

The Dealer Menu opens.

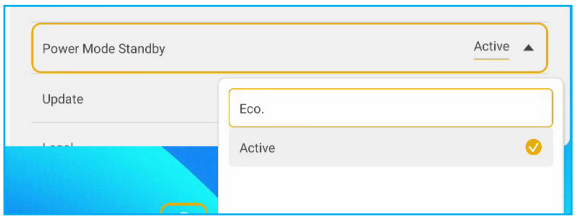


b) Select ***Active Standby*** to hide or show the Active Standby function.

If the current setting is **Hide** and you want to enable the function, press the **OK** button on the remote control to activate the function. The modifications will take effect immediately.

c) Select ***Exit*** and press the **OK** button on the remote control to close the Dealer Menu.

Active option is available in the System ⇒ Power Mode Standby menu.

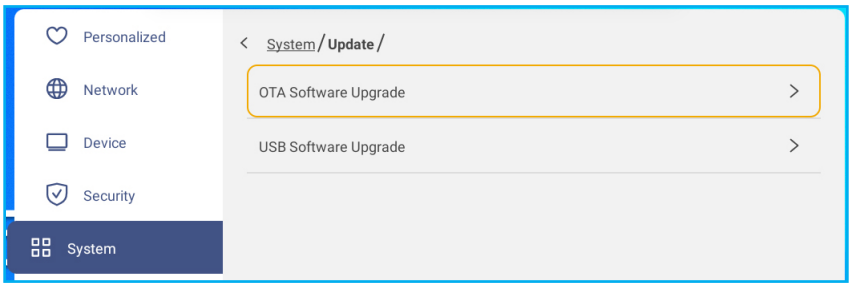


Note:

- ***OMS*** *and LAN control remote power on functions will only work when Power Mode Standby is set to* ***Active****.*
- *Active Standby mode consumes higher power since system only turns off backlight and mainboard is still working to listen for power on command from LAN and* ***OMS****. If you don't have remote power on requirement, we suggest using* ***Eco.*** *Standby mode to save more power.*
- *It is also highly recommended that you switch back to* ***Eco.*** *Standby mode and turn off the device for a period of time. It will help the device system to release memory and CPU loading.*

BASIC OPERATIONS

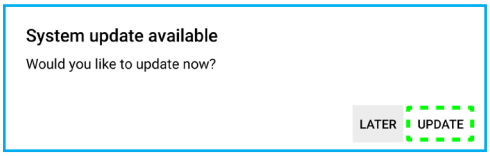
- Select ***Update*** to configure upgrading options. Select any of the following:



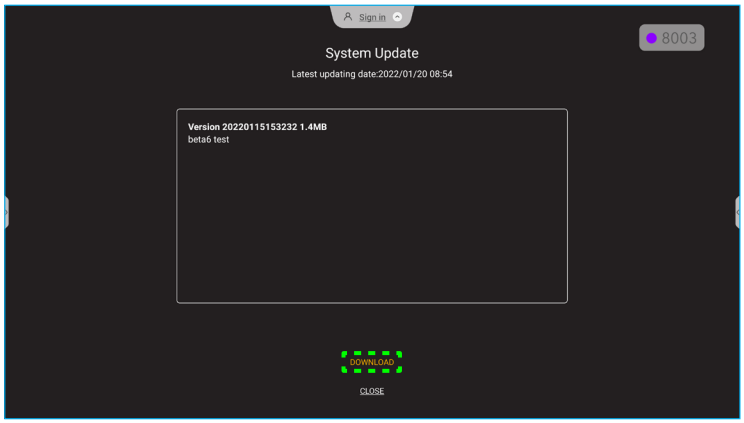
- ***OTA (Over-The-Air) Software Upgrade*** to enable or disable upgrading software over Internet. Select ***Check update when power on*** to check for update file from the Internet when power on. Select ***Auto Download*** to enable downloading update files automatically when power on.

  To update the system manually, do the following:

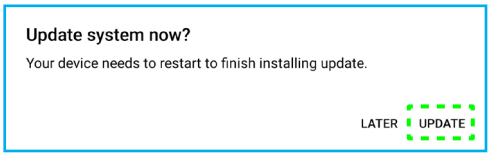
  a) Select ***UPDATE*** at the prompt.



  b) Select ***DOWNLOAD*** at the System Update window.



  c) Select ***UPDATE*** to start the update process.



  Wait until the update process is complete.

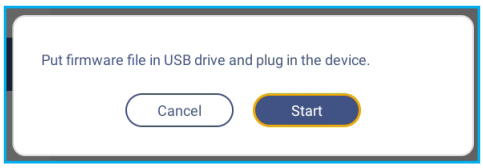
Note: *Upgrading software over Internet requires network connectivity.*

BASIC OPERATIONS

- ***USB Software Upgrade*** to update the system from a USB flash disk.

Note:

- *To proceed with upgrading software, save the upgrade file to the USB flash disk first, then connect the disk to any USB 2.0 port on the device.*
  *Open **System** ⇒ **Update** ⇒ **USB Software Upgrade** and select **Start** at the prompt.*

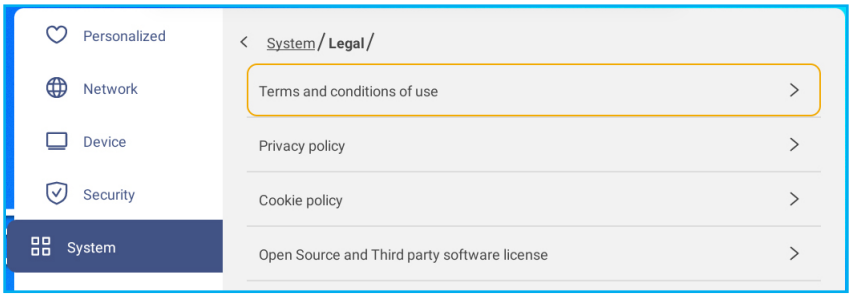


- *USB 3.0 port does not support the software upgrade via a USB flash disk.*
- *If you upgrade the OC Hub's firmware from a USB storage, uncompress the upgrade file first and then copy the uncompressed file to the USB root directory. Make sure the USB flash disk is formatted as FAT32.*

IMPORTANT!

- *During the update process, either OTA or from a USB storage, DO NOT power off the device and DO NOT remove the USB dongle from the device. Doing so will damage the system.*
- *If you update the device from a USB storage then all user data saved to the USB storage will be wiped out. If you update the device over Internet (OTA) then all user data remains intact.*

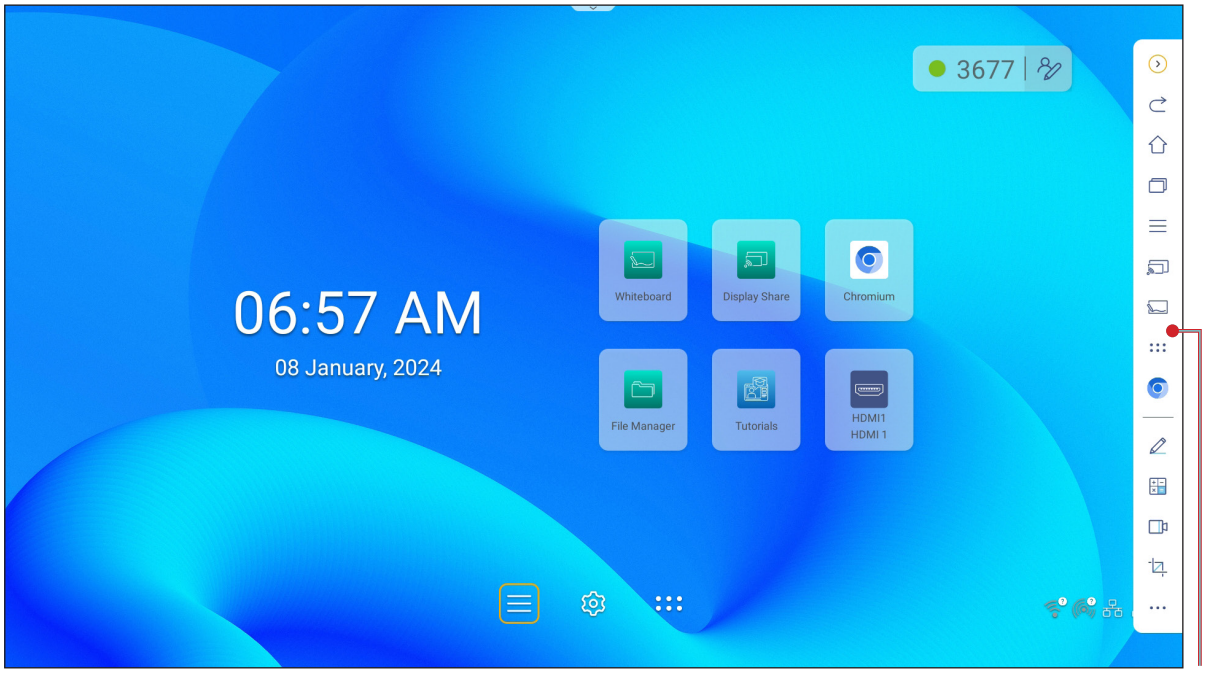
- Select ***Legal*** to view Terms and conditions of use, Privacy policy, Cookie policy, and Open Source and Third party software license.



BASIC OPERATIONS

Side Toolbar

Press the ▢ button to hide the **>** icon on the left side of the screen. Then press the **OK** button to open the side toolbar.



Side toolbar

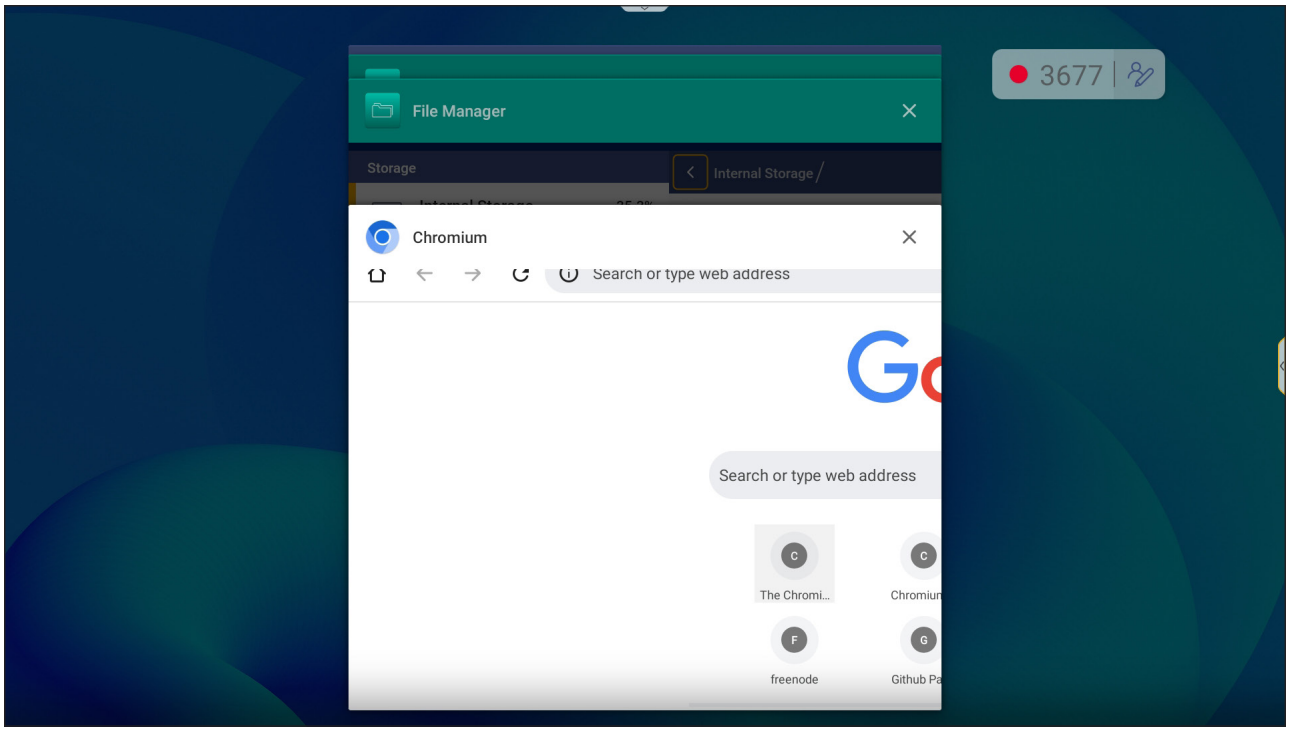
Use the ▲ or ▼ button to select one of the available option. Then press the **OK** button to confirm.

- To hide the toolbar, select ›.
- To return to the previous screen, select ↩.
- To return to Home screen, select ⌂.
- To view recent or open tasks and apps, select ▭.
- To view the OSD menu, select ☰. For more information, refer to “OSD Menu” on page 25.
- To open **Display Share**, select ⎙. For more information, refer to “Display Share” on page 49.
- To open **Whiteboard**, select ✎. For more information, refer to “Whiteboard” on page 59.
- To open the apps screen, select ⁝⁝⁝.
- To open the annotation app, select ✎. For more information, refer to “Annotation App” on page 43.
- To use the **Calculator**, select ▦.
- To open the screen recording tool, select ▣. For more information, refer to “Screen Recorder” on page 42.
- To open the screen capture tool, select ⌗. Use this tool to capture the screen image and save it to the storage device or insert it into the whiteboard session. For more information, refer to “Screen Capture Tool” on page 44.
- To open more tools, select ⋯.

BASIC OPERATIONS

Viewing Recent Tasks

Select to view and manage all opened apps.



- To open the app, select the app you want to launch and press the **OK** button
- To close the app, select ✕ in the app window.

BASIC OPERATIONS

Screen Recorder

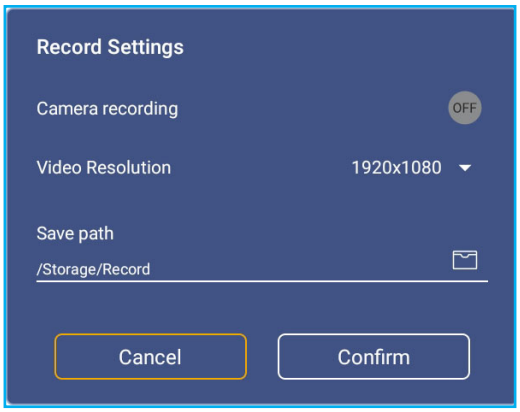
Select to open screen recording utility. This utility helps you to record video from the connected display panel screen and connected camera screen (if enabled).

Note:

- *You can drag the recording utility to your preferred location on the screen.*
- *The screen recording utility can be used only with Android source.*

- Select to start recording the screen. The recording starts 3 seconds after you select .
  While recording, you can do the following:
  - Select to pause recording. Then select to resume.
  - Select to stop recording.

  Then specify the file name and select ***OK*** to save the recording.
- Select to configure recording settings: enable or disable connected camera recording, select the preferred video resolution, and select the path where you want the recordings to be saved.
  Note: *By default, all recordings are saved to the Storage/Record folder.*



- Select to close the recording tool.

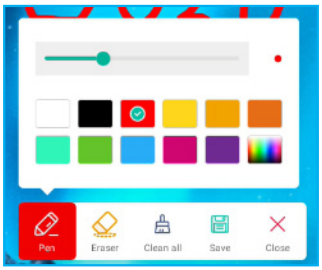
BASIC OPERATIONS

Annotation App

Select to open the annotation app.

In this mode, you can do the following:

- Select ***Pen*** ( ) to write and draw on the screen.
  Note: *You can change the pen color and thickness by clicking the ▶ icon next to the* ***Pen*** ( ).



- To erase areas of your written texts or drawings on the screen, select ***Eraser*** ( ).
- To erase all annotations on the screen, select ***Clean all*** ( ).
- To capture a screenshot of the entire screen, select ***Save*** ( ).
- To exit the annotation mode, select ***Close*** ( ).

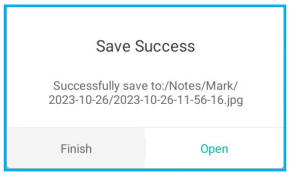
BASIC OPERATIONS

Screen Capture Tool

Select to open the screen capture tool.

To capture the screen, do the following:

1. Select either ***Freedom*** () or ***Full*** () to manually select the area or to capture the entire screen respectively.
2. Select ***Save*** () to save the screenshot.
   When a “Save Success” message appears on the screen, select **Finish** to close the dialog box or select **Open** to view the captured screen.

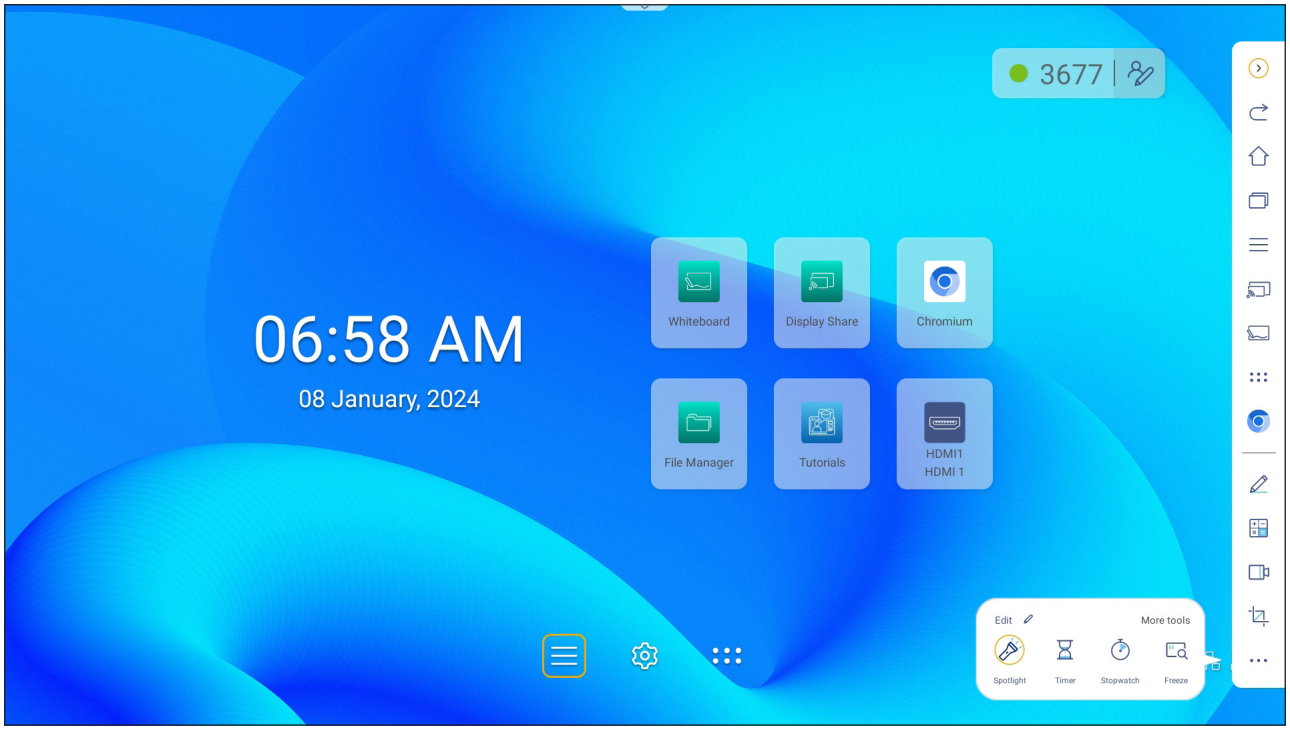


3. Select ***Close*** () to exit the tool.

BASIC OPERATIONS

More Tools

Tap **>** ⇒ ⋯ to access more tools such as **Spotlight**, **Timer**, **Stopwatch**, and **Freeze**.



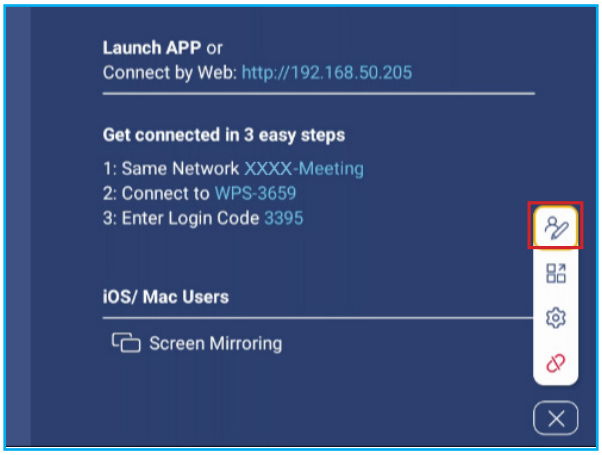
- Select to activate **Spotlight**. **Spotlight** can be used to direct the audience's focus to a specific part of the board.
- Select to use the **Timer**.
- Select to use the **Stopwatch**.
- Select ***Freeze*** to freeze the screen. Then select to zoom in or select to zoom out. To restore the screen to its original size, select . Finally, to exit the tool, select .

BASIC OPERATIONS

Remote Annotation function

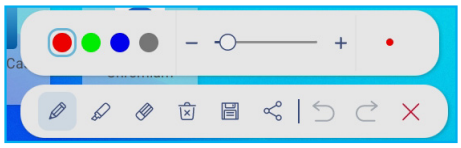
From the homescreen, select to activate the remote annotation function. With this function, you can remotely annotate on documents presented on the display screen with your mobile or desktop devices. This creates a two way interactive working environment.

Note: *You can also access this function in **Display Share** app. For details, see page 58.*



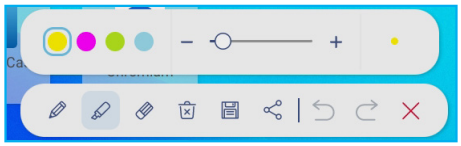
In this mode, you can do the following:

- Select to write and draw on the screen.
  Note: *To change the pen color and thickness, click and set the desired settings.*

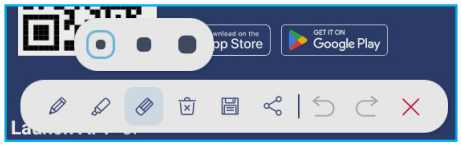


BASIC OPERATIONS

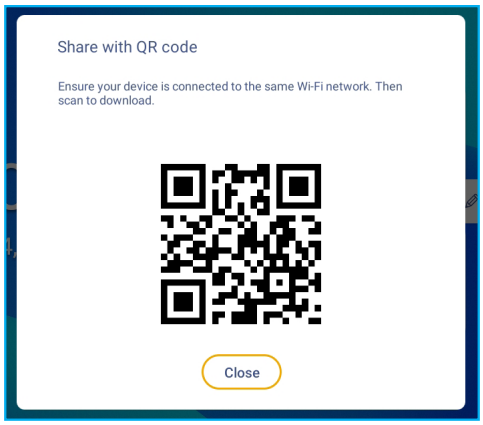
- Select to highlight the item on the screen.
  Note: *To change the highlighter color and thickness, click and set the desired settings.*



- To erase areas of your written texts or drawings on the screen, select .
  Note: *To change the eraser thickness, click and set the desired settings.*



- To erase all annotations on the screen, select .
- To capture a screenshot of the entire screen, select .
- To share the annotation to other wireless devices, select .
  Note: *Make sure your wireless device is connected to the same Wi-Fi network as the device and then scan the QR code with your wireless device.*



- To undo your last action, select .
- To redo your last action, select .
- To exit the remote annotation mode, select .

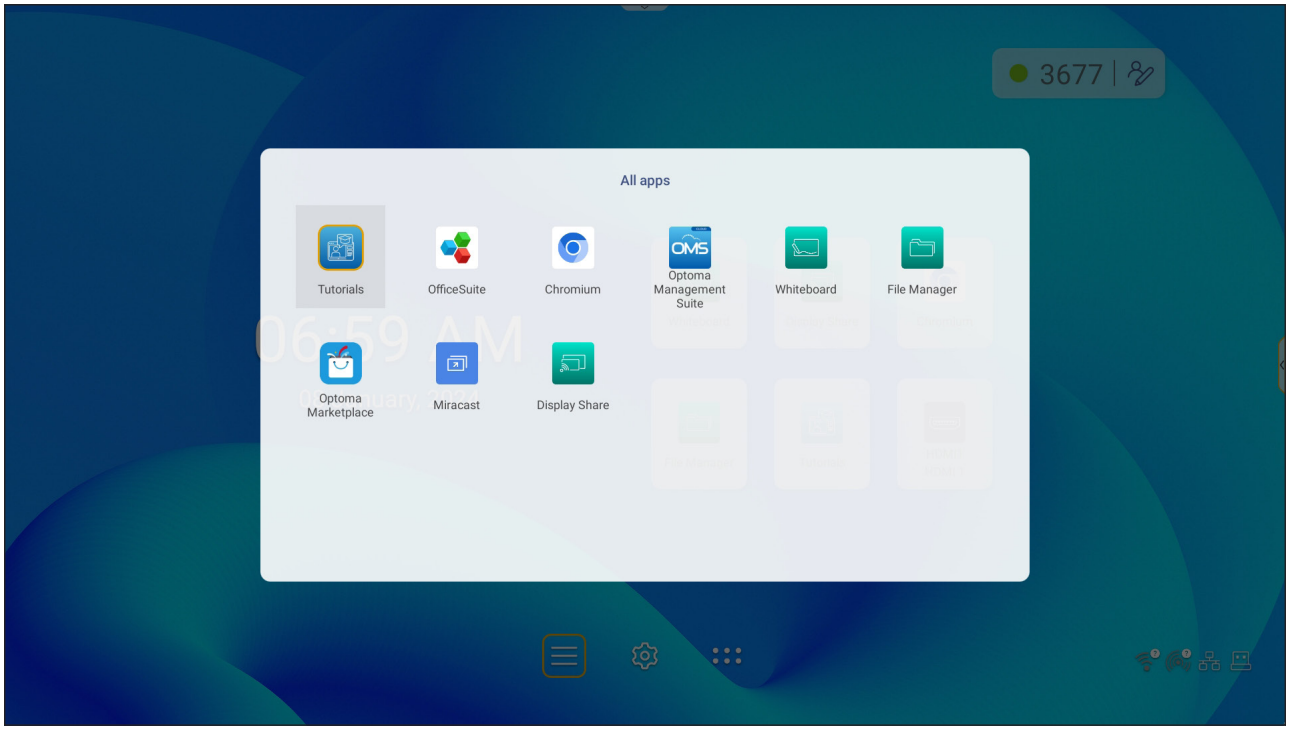
USING THE APPS

From the Home screen, select ⁝⁝⁝ and press the **OK** button on the remote control to view the Apps list.

Note:

- *You can also view the Apps list by pressing the ⁝⁝⁝ button on the remote control.*
- *To install a third party application, you must first enable the Unknown source setting in the* **Security** ⇒ **Advanced Settings** *menu. Refer to page 35.*
  You can then install the downloaded APK (Android Package) file into your system.
- *Generally, you can use the remote control to nagivate through the options when using an app. However, some of apps are not workable with the remote control. If this happens, please connect a mouse to the device.*

IMPORTANT! *The embedded Android 10 operation system is not standard Android. As such, Google Play is not available in the Apps list. The installed third party application might not work properly if it is not designed for device. Optoma will not guarantee that these self-installed Apps work.*
Optoma devices run a customized Android operating system and do not support Google Play Services. The operating system may not be compatible with all third-party Android apps. Third-party Android apps can vary in quality and some even contain malicious codes, which could compromise system security and may invalidate product warranty. Optoma makes no representations regarding the quality, security or suitability of any third-party apps and their compatibility with the Optoma device. Optoma shall have no responsibility or liability with respect to any damage, faults, loss in functionality or security issues arising as a direct or indirect result of the installation of third-party apps on the device. Optoma support in rectifying any issue which may result from the installation of third-party apps will be chargeable and may be limited. Information is correct at the time of writing and is subject to change.



USING THE APPS

Display Share

Select **Display Share** to start wireless sharing and projection via Wi-Fi or LAN.

IMPORTANT!

- *The OC Hub and your mobile device/computer must be connected to the same Wi-Fi or LAN network.*
- *While in use, make sure that you have access to the Internet.*

Supported Operating Systems for Casting

Collavision Senders	Available Version
Windows	Windows 7, 8, 8.1, 10, 11 and above
Mac	Mac OS X 10.12 and above
iPhone	iOS 13 and above
Android	Android 7.0 and above
Chrome	Chrome Browser OS V83 and above

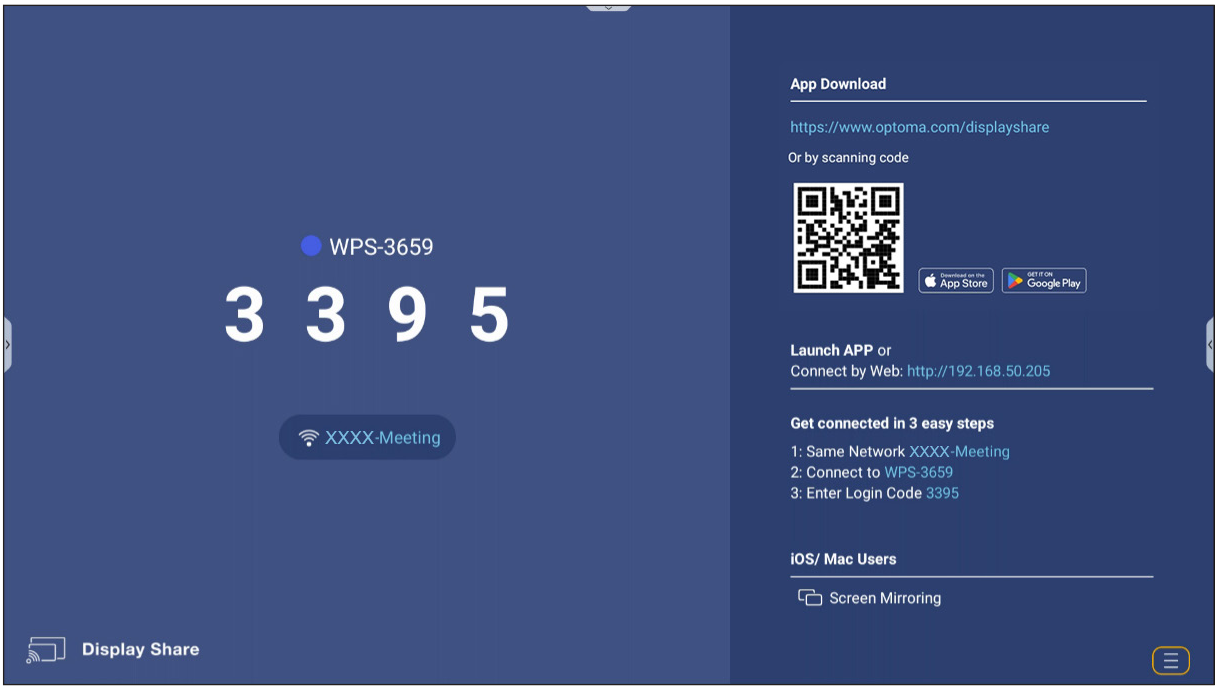
Proprietary Sharing

Features	Operation System
Web Sharing (Web Sender)	Chrome Browser
AirPlay Support	iOS 9 and above
ChromeCast	• Android phone with Android 8.0 or later • Android tablet with Android 8.0 or later • iPhone or iPad with iOS 14.0 or later
Miracast	• Android device with Android 8.0 or later • Windows 8.1 and Windows 10 or later

USING THE APPS

Mobile Device

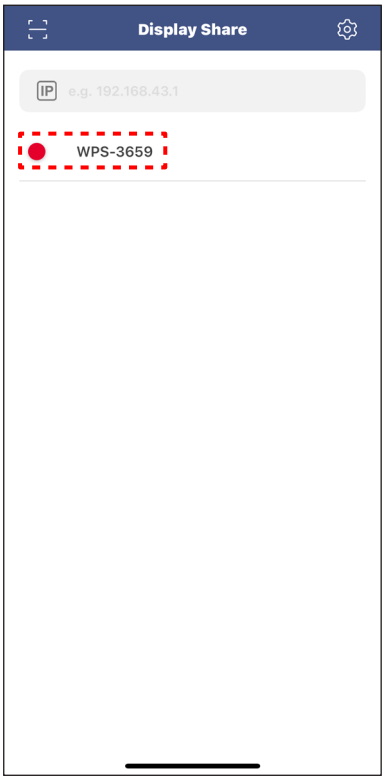
When the setup guide screen appears, scan the QR code to download and install the **Display Share** app onto your mobile device.

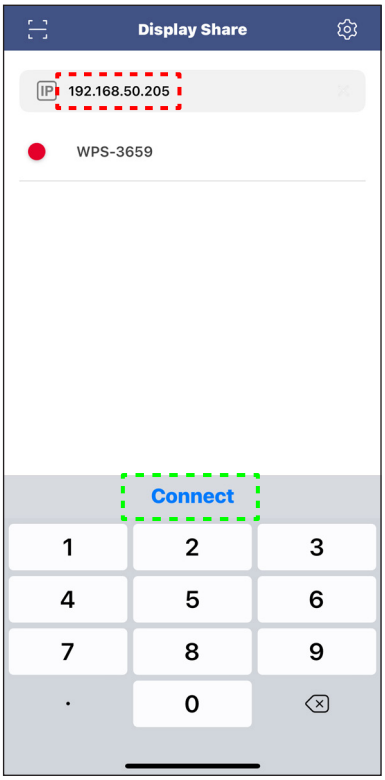


To connect to the OC Hub, complete the following steps:

Note: *The connection steps are described based on an iOS device.*

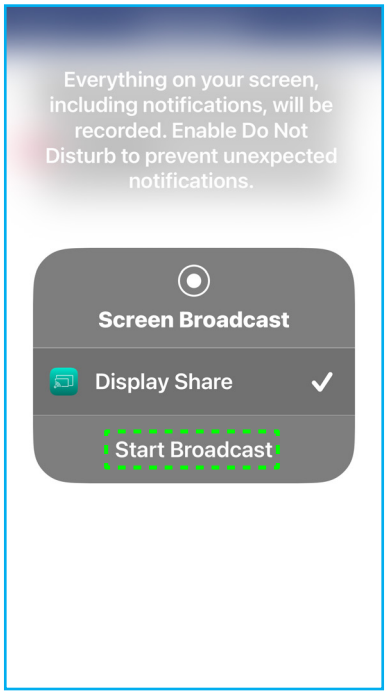
1. Launch the **Display Share** app and select the device name.
   - If the device is not visible in the Room List, enter the device's IP address in the IP address field. Tap ***Connect*** to start connecting to the device.





USING THE APPS

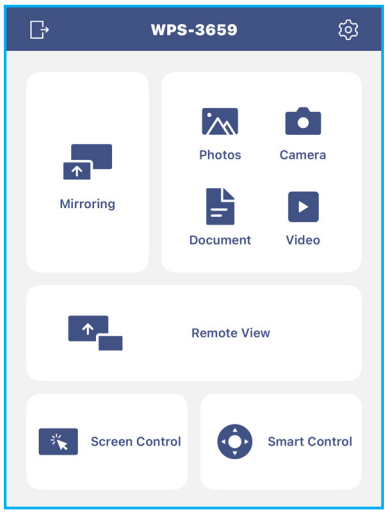
2. Tap ***Start Broadcast*** (only for iOS device).



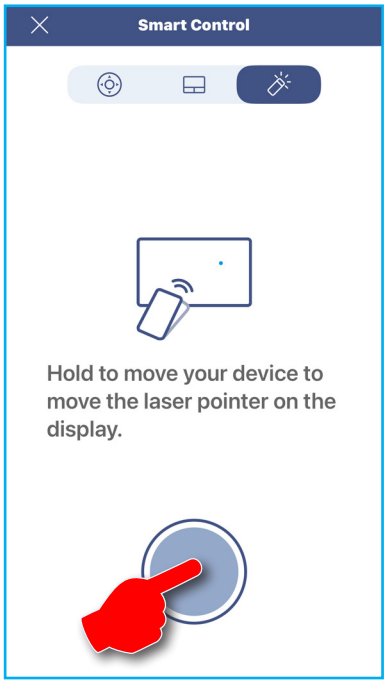
3. Enter the **Display Share** verification code from the launcher screen to establish the connection.

USING THE APPS

4. Tap any of the following:



- **Mirroring** to mirror your mobile device's screen to the connected display panel.
  Note: *Support up to 4 users at the same time.*
- **Photos** to view and share photos.
- **Camera** to stream your mobile device's camera to the the connected display panel.
- **Document** to view and share documents.
- **Video** to view and share videos.
- **Remote View** to mirror the connected display panel screen to your mobile device with annotation and image saving feature.
- **Screen Control** to mirror the connected display panel screen to your mobile device. You can use your mobile device to operate the device.
- **Smart Control** to use your mobile device as a remote control to control the device.
  To turn your mobile device into a laser pointer, select and hold the button (marked by the red pointing finger) to activate the laser pointer function.

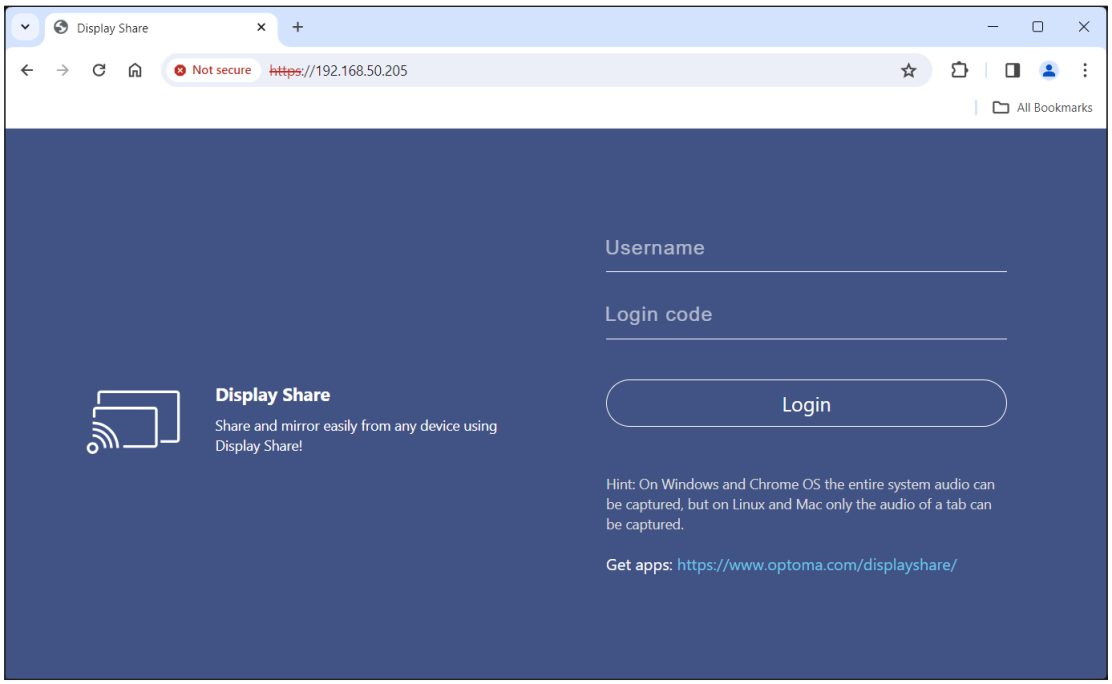


- **Settings** ( ) to modify your mobile device's user name and view the **Display Share** version.

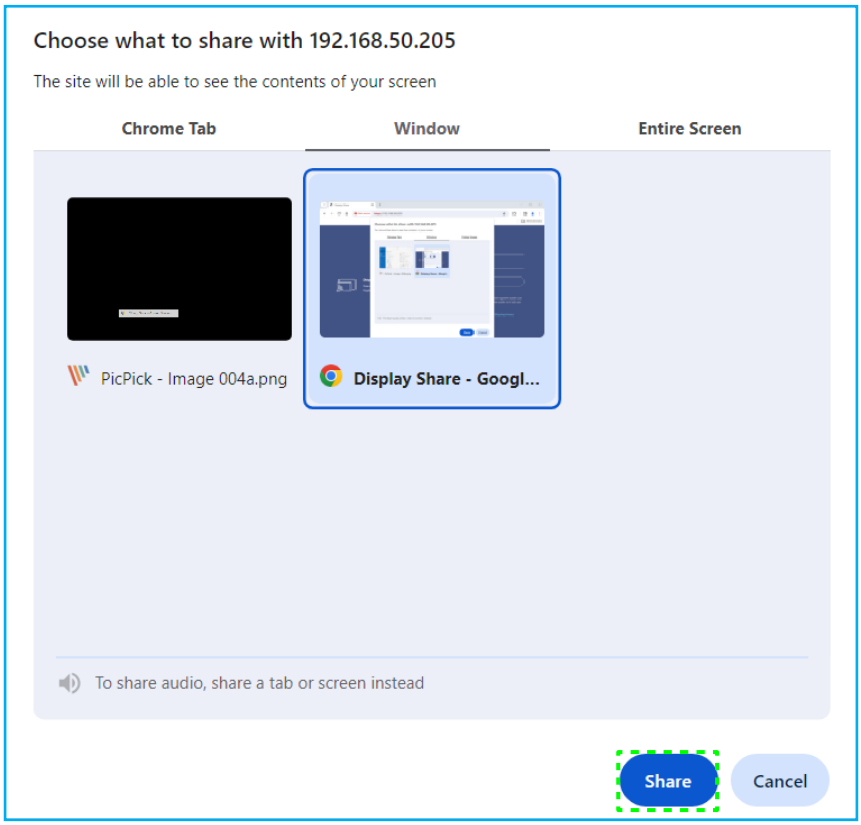
USING THE APPS

Computer

You can mirror the screen of your computer via Chrome browser or **Display Share**. To use either of these options, open the browser and enter to the URL field the IP address that is displayed on the launcher screen. For example, *http://192.168.50.205*.



- To download **Display Share**, click the link next to ***Get apps***.
- To start screen casting from Chrome browser, enter your preferred user name (UserName), LoginCode (verification code on the launcher screen) and select ***Login***. Select what you want to share and then click ***Share***.



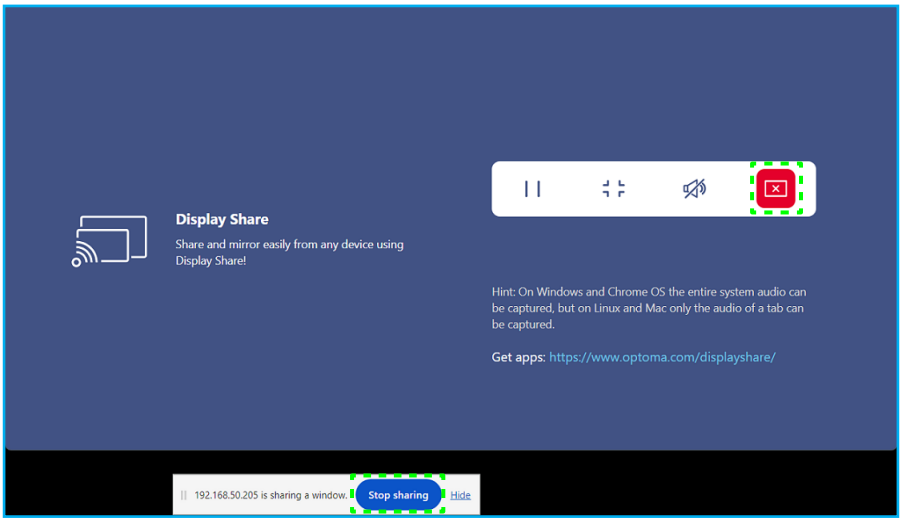
USING THE APPS

Note:

- *If you want to share audio during screen casting, click* on the screen.

- *The user name that you enter for screen casting will also be used in Moderation mode.*

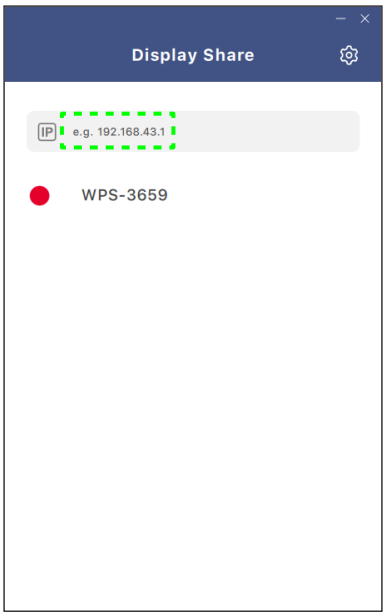
- To stop sharing, click ***Stop sharing*** or click on the screen.



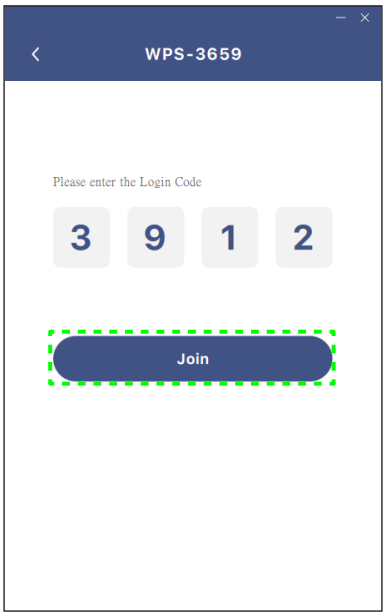
USING THE APPS

To start screen casting from the desktop app, download the **Display Share** to your computer.

1. Launch the app and click on the device name.
   - If the device is not visible in the Room List, enter the device's IP address manually to the Input IP address field. Then press ***Enter***.

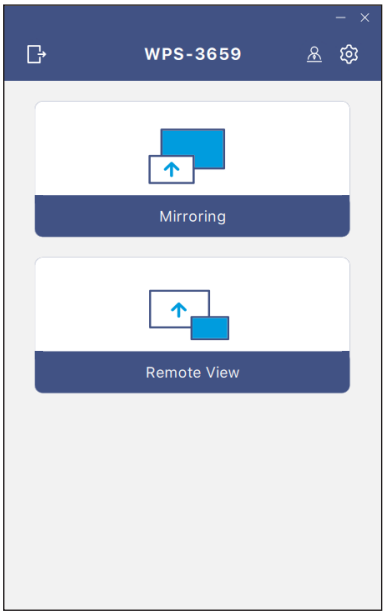


2. Enter the login code from the launcher screen and click ***Join***.



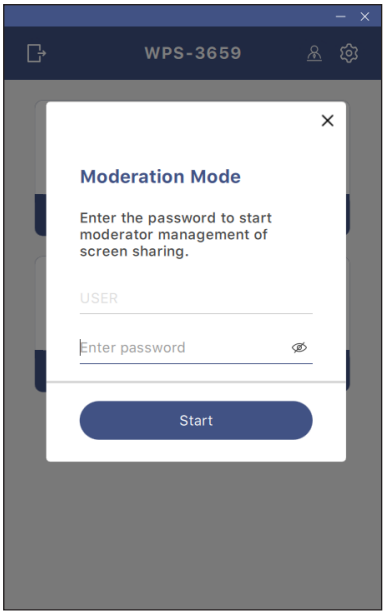
USING THE APPS

3. Click any of the following:

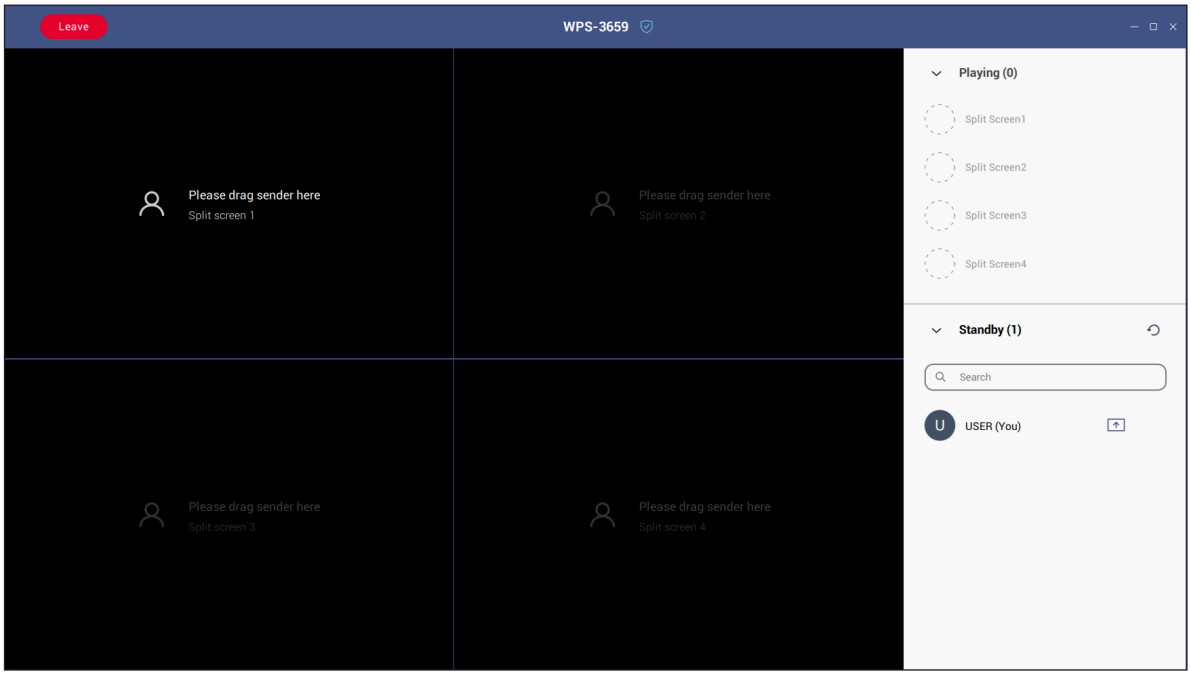


- **Mirroring** to mirror your computer's screen to the connected display panel.
- **Remote View** to mirror the connected display panel screen to your computer with annotation and image saving feature.
- to select up to 4 screens to display on the connected display panel. Enter the password and click ***Start***.

  Note: *To modify the password, refer to "Display Share Settings" on page 58.*



Select the screens to display.

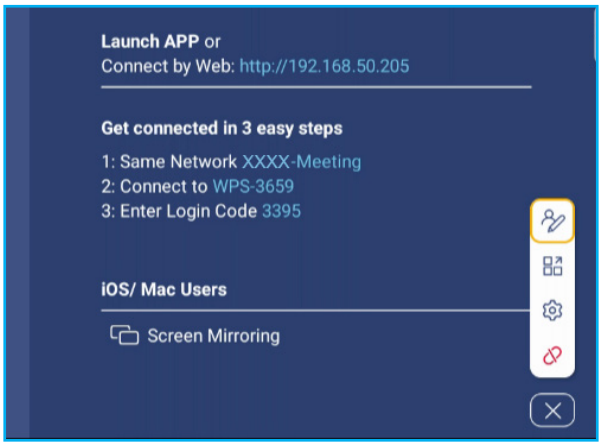


4. To exit the moderation mode, click ***Leave***.

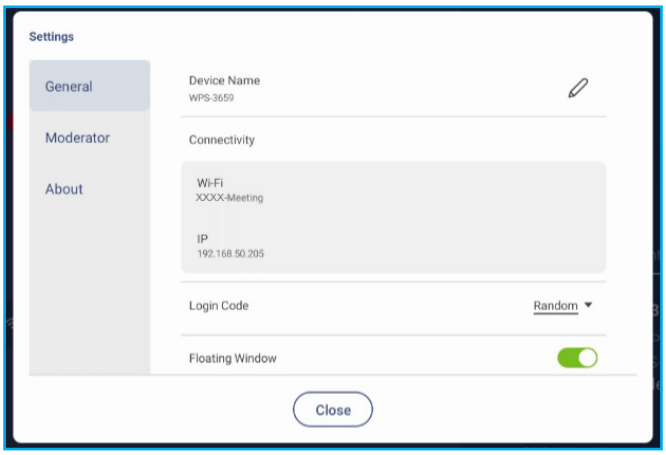
USING THE APPS

Display Share Settings

Select and then select any of the following icons to configure the **Display Share** launcher screen settings:



- to activate the remote annotation function. For more information about the function, refer page 46.
- to share the screen to other devices.
- to manage connection settings, configure login code settings, enable or disable floating window feature, set the administrator password for the Moderator user, and view **Display Share** version and Open Source license.



- to end the session for all attendees.
- to close the menu.

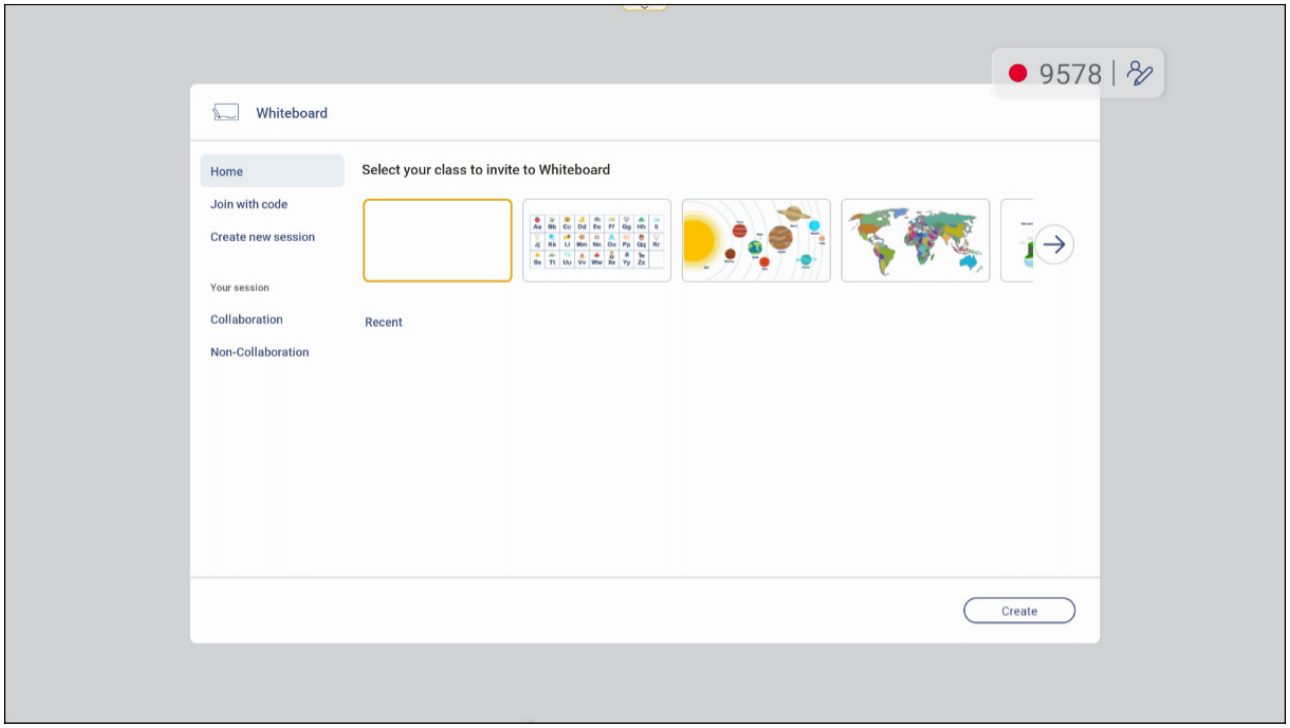
USING THE APPS

Whiteboard

Select **Whiteboard** to use the online collaborative whiteboard platform that can bring teams together to brainstorm, sketch and collaborate, anytime, anywhere.

Before using this app, ensure that a mouse is properly connected to the OC Hub.

Note: *The remote control is not workable with this app.*



To start using the app, do the following:

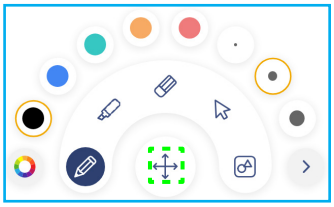
1. Select the ***Create new session*** tab. Then select a background or template for your content.

   Note: *To access your cloud sessions, login to **Whiteboard account** first.*

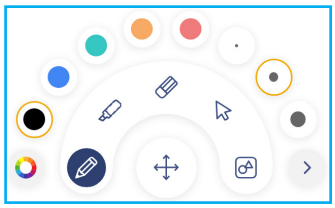
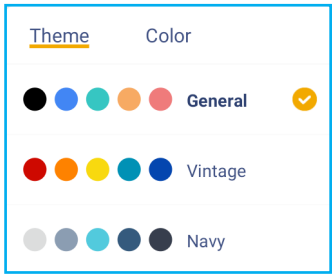
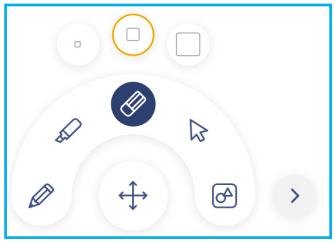
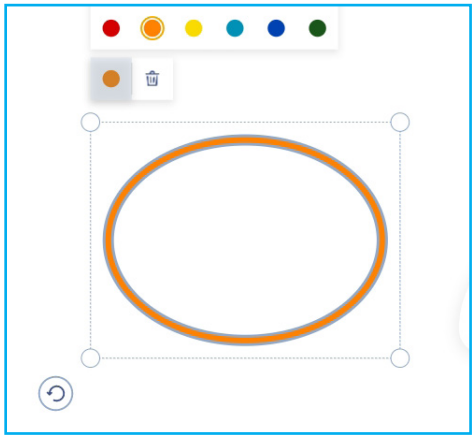
   - To open a recent session, select on the ***Home*** tab and under Recent category, select on the session you want to continue.
   - To open a collaboration (saved to the cloud) or non-collaboration (saved locally) session, under Your session category, select the session you want to continue.

2. Select ***Create*** and use any of the activities described in the table below:

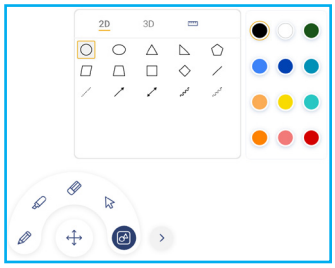
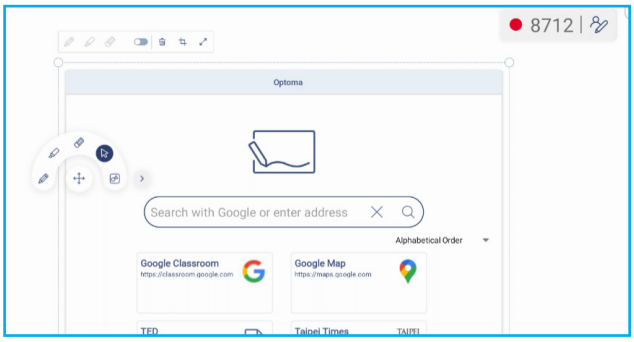
   Note: *The floating board is home to many of the primary features found in the **Whiteboard** app, which are detailed here.*

Item		Description
	Move the floating board	Click and drag to move the floating board to your preferred location on the screen. 
	Minimize the floating board	Select the icon to minimize the floating board. Select to expand the floating board.

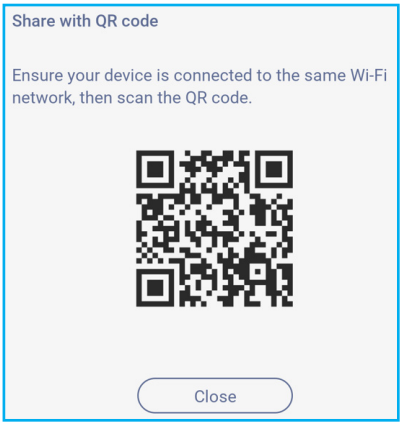
USING THE APPS

Item		Description
/	Pen / Highlighter	Write or draw a freeform line. Select to select the desired line color and thickness.  - Select to modify the color palette. You can select five palette colors based on the theme or select them individually. 
	Eraser	Erase areas of your written texts or drawings. Select the eraser size and drag over the area you want to remove. 
	Select	Select an object on the whiteboard. Select any of the following to alter the selected area:  • (boundary point) to enlarge or shrink. • to delete. • to rotate.

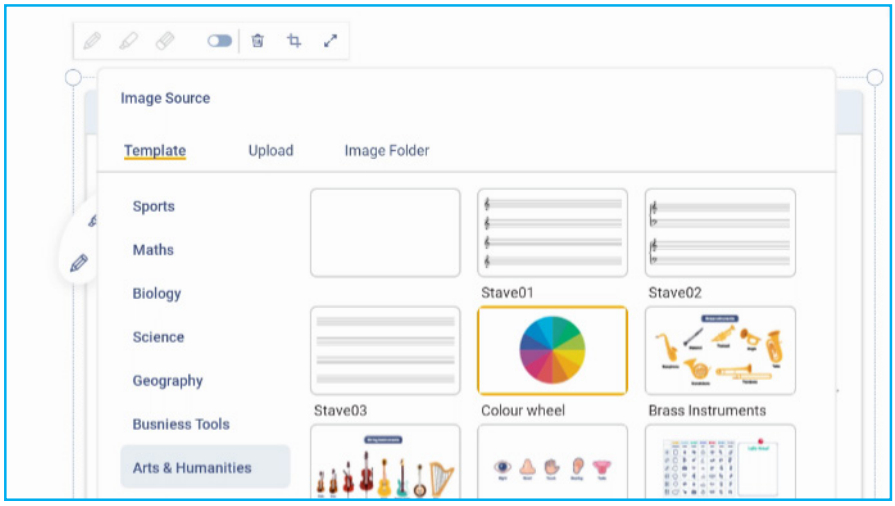
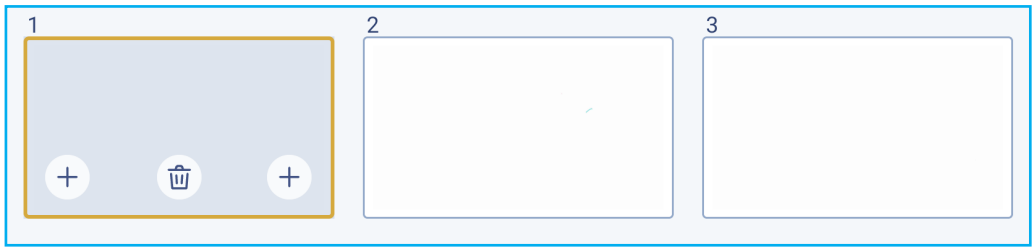
USING THE APPS

Item		Description
	Geometric shape	Draw a geometric shape. Select the desired 2D, 3D shape with several color options, use a ruler to measure distances and draw lines, or use a protractor to measure and draw angles. 
	More tools	Select any of the following tools: • text editor for inputting and formatting text. • import JPG, PNG, or PDF files from different storage devices, including internal storage, USB storage, or cloud drive. • embed a fully functional web browser window. You can capture screenshots, resize, relocate, duplicate, and delete the browser window.  • embed a document camera.
	Add a page.	
	Menu	Select any of the following options: • ***New*** to create a new session. • ***Open*** to open a collaboration or non-collaboration session. • ***Save/Save as*** to save/save as the current content to collaboration or non-collaboration session. • ***Import*** to import a JPG, PNG, or PDF file. • ***Export*** to export the session as JPG, PNG, or PDF file. • ***Settings*** to enable or disable auto saving for non-collaboration session, eye protection writing mode, palm rejection, customize floating board, call action, and update software. • ***Tutorial*** to review the **Whiteboard** app tutorial.

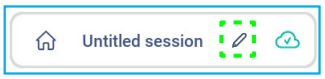
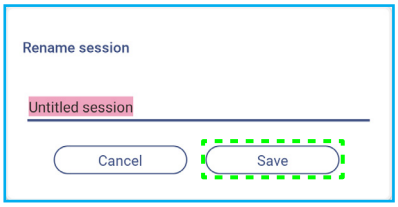
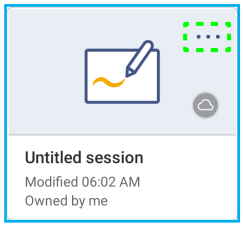
USING THE APPS

Item		Description
	Share	Select any of the following to share the file to other devices: • ***QR Code*** to share the file with QR code.  **Note:** *Before scanning the QR code to download the file, make sure the OC Hub and your mobile device are connected to the same Wi-Fi network.* • ***Email*** to send the file by email. **Note:** *When logged into your Whiteboard account or your Google Classroom account, some of the required fields will auto-populate. When not signed into an account, you will be required to fill in the sender name and sender email address fields each time, in addition to the recipient email address field.*
	Zoom	Zoom in or zoom out on the screen. Then select to open the zoom window. Move the red box to the area that you want to show on the screen. Select to close the zoom window.

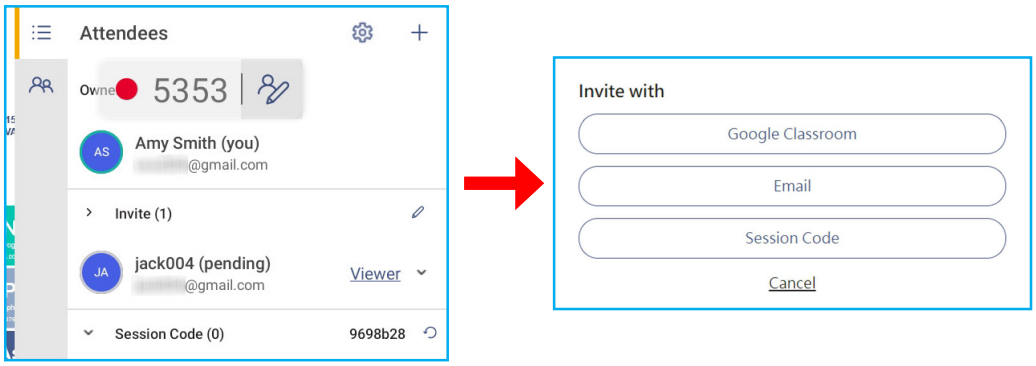
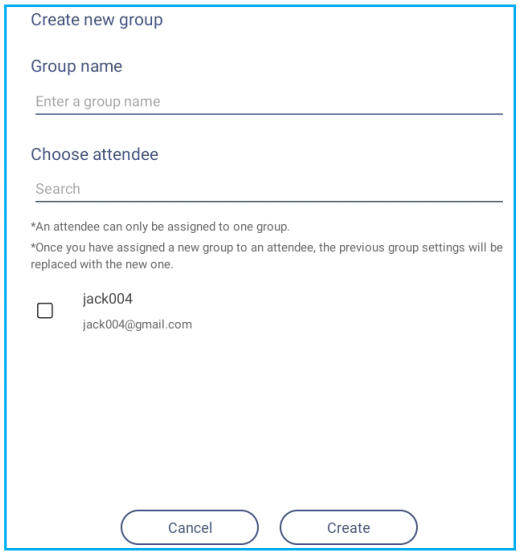
USING THE APPS

Item		Description
	Background options	Select a background or template for your content. You can select a background from the provided “Template” tab, upload your own from an image file using the “Upload” tab, or go to the “Image Folder” tab to choose from other image files available from the image folder on the internal storage of your OC Hub. 
	Delete a page	Delete the selected page, including all items/objects you drew on the selected page.
	Undo	Undo your last action.
	Redo	Redo your last action.
	Page manager	View and manage all pages that are involved in the current session. Select any of the following: • to open the previous or next page. • Page number, for example ***2/3*** to open the page manager:  Select + on the left side to add a page to the left or on the right side to add a page to the right. Select to delete the selected page.

USING THE APPS

Item		Description
	Session name	The default session name is “Untitled session”.  To rename the session, select and type in a new name at the prompt. Then select ***Save***.  **Note:** • *You can also rename the session on the **Whiteboard** Home tab. Select the session and then select ••• ⇒ **Rename**. Select **Save** at the prompt to save the modifications.*  • *If the session is marked with the icon then it means it is an active collaboration session and if the icon is then it means it is a inactive collaboration session. All other sessions are non-collaboration sessions. To access collaboration sessions, make sure to be logged in to **Whiteboard**.*
	Sign in	Sign in to **Whiteboard** with your **Whiteboard** account or with your Google account to create collaboration sessions. When signed in, select to view account settings or select to log out.

USING THE APPS

Item		Description
	Attendees management	Invite attendees from your Google Classroom class list to join the Whiteboard session. On the Attendees tab, select + and then select any of the following options:  • Through Google Classroom • By sending an email invitation with the session password • By sending a session code On the Attendees tab, you can assign a role to the attendee (either viewer or editor), delete (⇒) attendees, renew () the session code, and configure () attendee settings. Select to access the Group tab. Then select + and enter the group information, such as group name and attendees. Select ***Create***.  To modify group settings, select •••.
	Google Classroom management	View a Google Classroom that is related to your sign in account. Select to change to another classroom or select to post Whiteboard session link to Google Classroom.

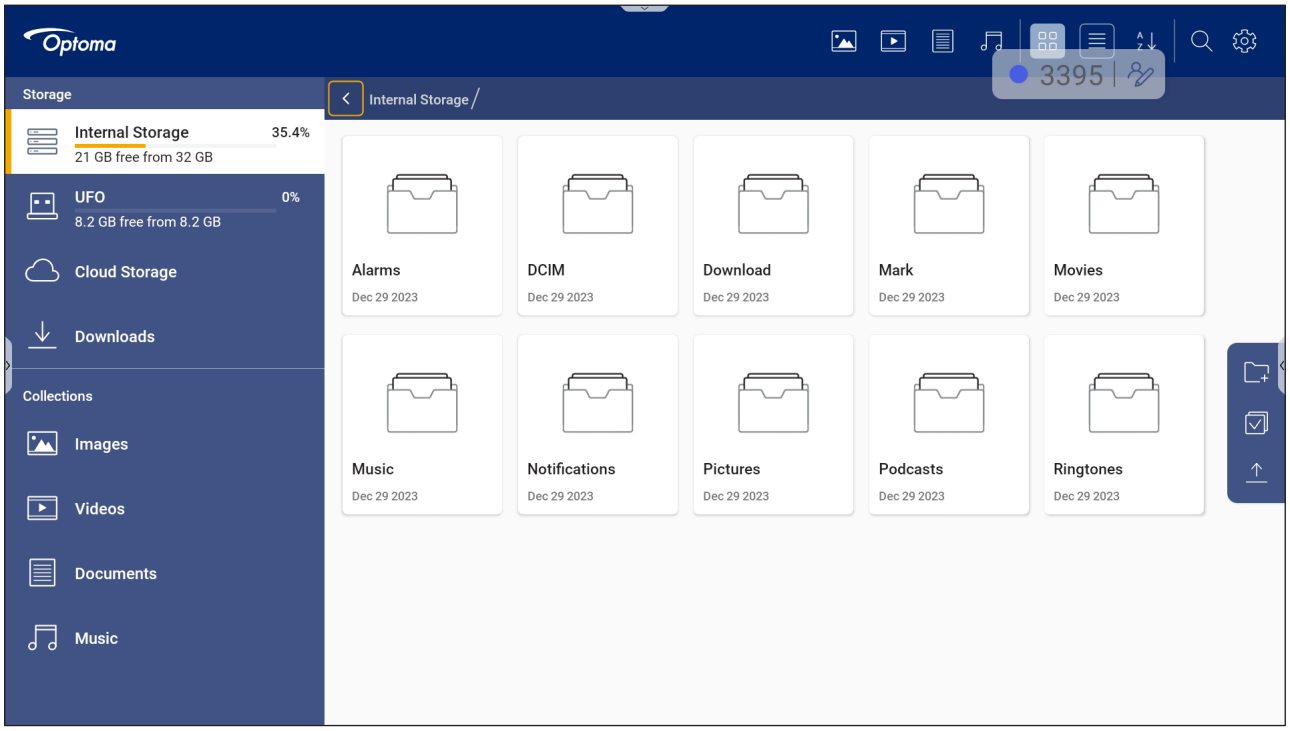
USING THE APPS

File Manager

Select **File Manager** to manage files and folders.

Note: *You can also access the **File Manager** app by pressing the button on the remote control.*

Managing Files

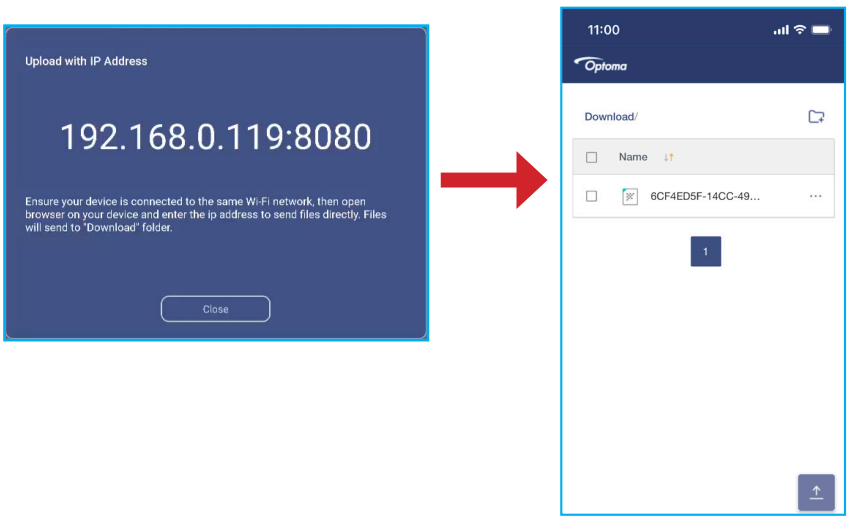


Select a storage location and browse for a file or folder you want to view then press the **OK** button to open a file or folder.

The table below will help you navigate **File Manager** and its included features.

Item		Description
	Images	Display only image files in the selected storage location.
	Videos	Display only video files in the selected storage location.
	Document	Display only document files in the selected storage location.
	Music	Display only audio files in the selected storage location.
	Thumbnail view	View files and folders as thumbnails.
	List view	View files and folders as a list.
	Sort	Sort files and folders by name or by date in ascending or descending order.
	Search	Search files and folders using key words or names.
	Software version	View software version and update app (if necessary).

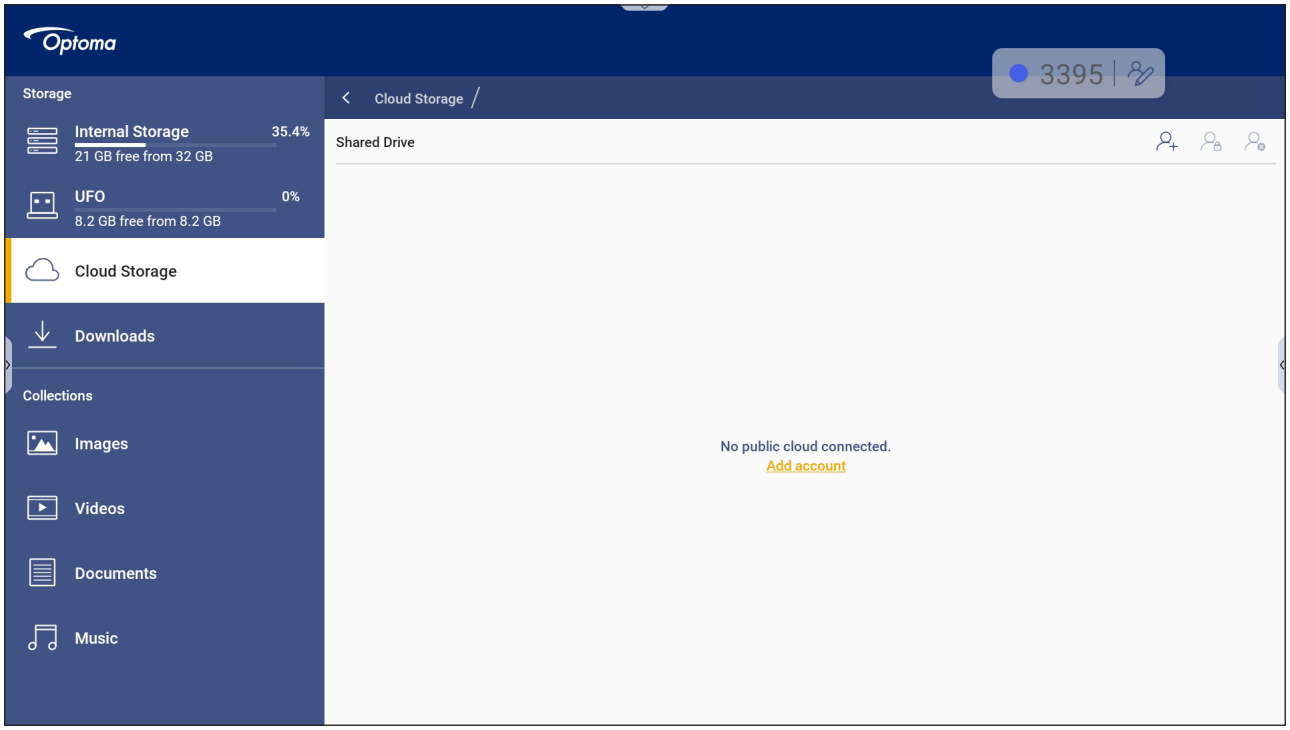
USING THE APPS

Item		Description
	New Folder	Add a new folder.
	Select	Select files and folders. When selected, select any of the following: • undo your last action. • check/uncheck all items. • cut and paste item(s). • copy and paste item(s). • delete item(s). • rename an item. • share an item with QR code. **Note:** *For file sharing with QR code, make sure your mobile device is connected to the same network as the OC Hub.* • compress item(s). • move/copy item(s) to another location or view item details.
	Share item(s)	Share item(s) between the OC Hub and your mobile device over web browser.  **Note:** • *By default, all items that you upload to the OC Hub are saved to the **Download** folder.* • *For item(s) upload, make sure your mobile device is connected to the same network as the OC Hub.*

USING THE APPS

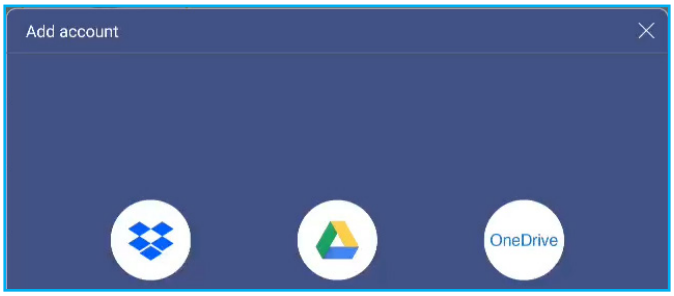
Cloud Storage

Select ***File Manager*** ⇒ ***Cloud Storage*** to create an account or use an existing account to access your cloud storage.

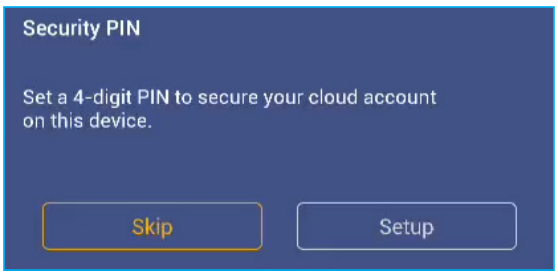


To create an account:

1. Select or ***Add account***.
2. Select the drive type.

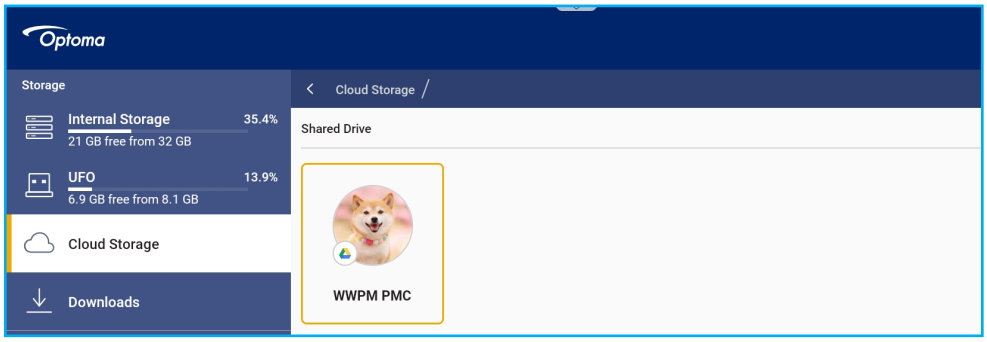


3. Follow on-screen instructions to create an account or sign in to your existing account.
4. After successful login, you are prompted to set a security PIN. Select ***Setup*** to set the PIN or ***Skip*** to skip this step.



Note: *PIN code is used to protect user's cloud storage from being illegally accessed. When system status changes (for example, from standby to normal, from backlight off to on), a user must key in the PIN code they set up for verification in order to access their cloud storage.*

Your account will be listed in the **Cloud Storage** menu.



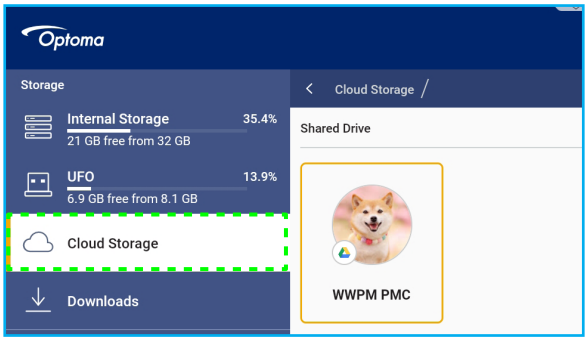
5. To manage your cloud storage account(s) in the **File Manager**, select any of the following:
   - to add another cloud storage account.
   - to lock the cloud storage account.
   - to delete the cloud storage account.

   Note: *Locking and deleting the cloud storage account in the **File Manager** will only prevent or remove access to that cloud storage in the **File Manager** and will not lock or delete the cloud storage in its original location, for example in Google.*

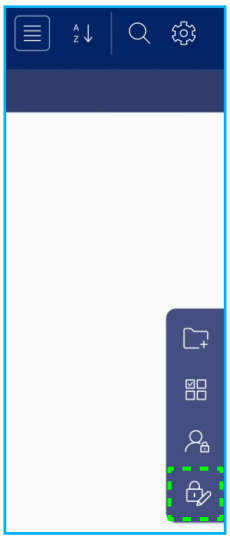
Setting a 4-digit PIN

If you skipped setting a 4-digit PIN during the initial cloud storage setup, then do the following:

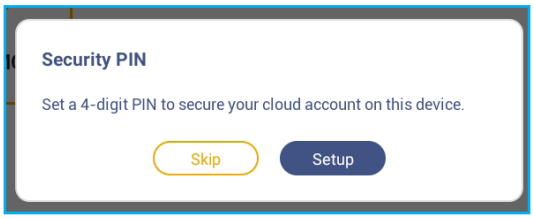
1. Open **File Manager** and select **Cloud Storage** on the left side.



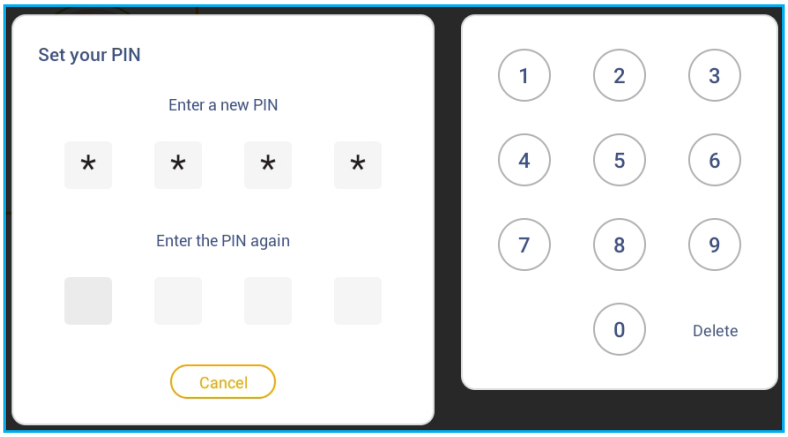
2. Select the desired cloud account you wish to configure a PIN for.
3. On the right side of the screen, select to set up a PIN to protect your cloud account from unauthorized access.



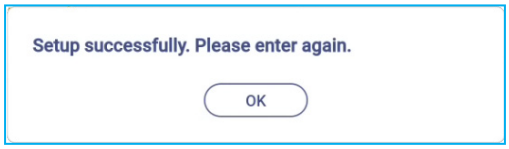
4. A confirmation message appears on the screen. Select **Setup** to continue.



5. Enter a PIN code (4-digit number) in the *Enter a new PIN* field, then re-enter the same 4-digit PIN in the *Enter the PIN again* field to verify your new PIN.



6. Your new PIN has now been set up. Select **OK** to finish!



USING THE APPS

Optoma Management Suite (OMS)™

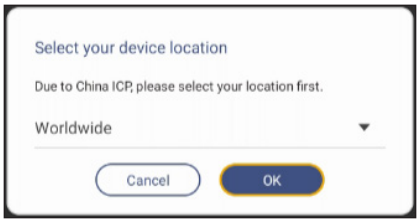
This device can be controlled using the Optoma Management Suite. OMS is an intuitive cloud based display management solution, designed to streamline operations by monitoring, diagnosing and controlling audio visual displays from anywhere in the world via a single platform (Wi-Fi access required). OMS is the first management solution that is compatible across multiple display technologies such as projection, flat panels, LED displays, and OC Hub enabling easy integration into existing display fleets while offering differing levels of access and control for users, ensuring devices are securely managed.

With an easy-to-use interface and 24/7, real-time monitoring, OMS enables users to check the status of display devices and make configurations to optimise performance. IT administrators and technicians can easily dispatch and broadcast emergency messages, alerts, and announcements across any display worldwide. Additionally, users can also remotely program and schedule devices for usage only during primary operating hours, as well as implement immediate shutdown for emergencies, reducing energy consumption, and lowering operating costs.*

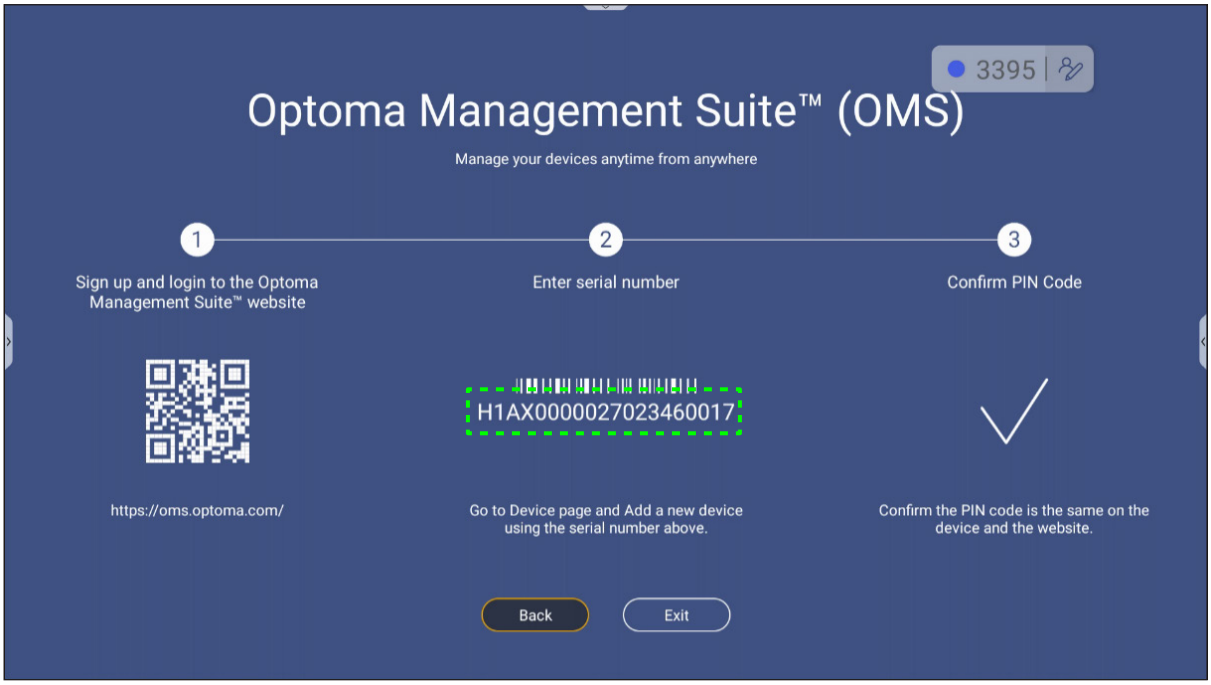
Note: **OMS is an ever-evolving platform with features and functions being added over time. For the latest feature set please check with your local sales representative.*

To start using **OMS**, complete the following steps:

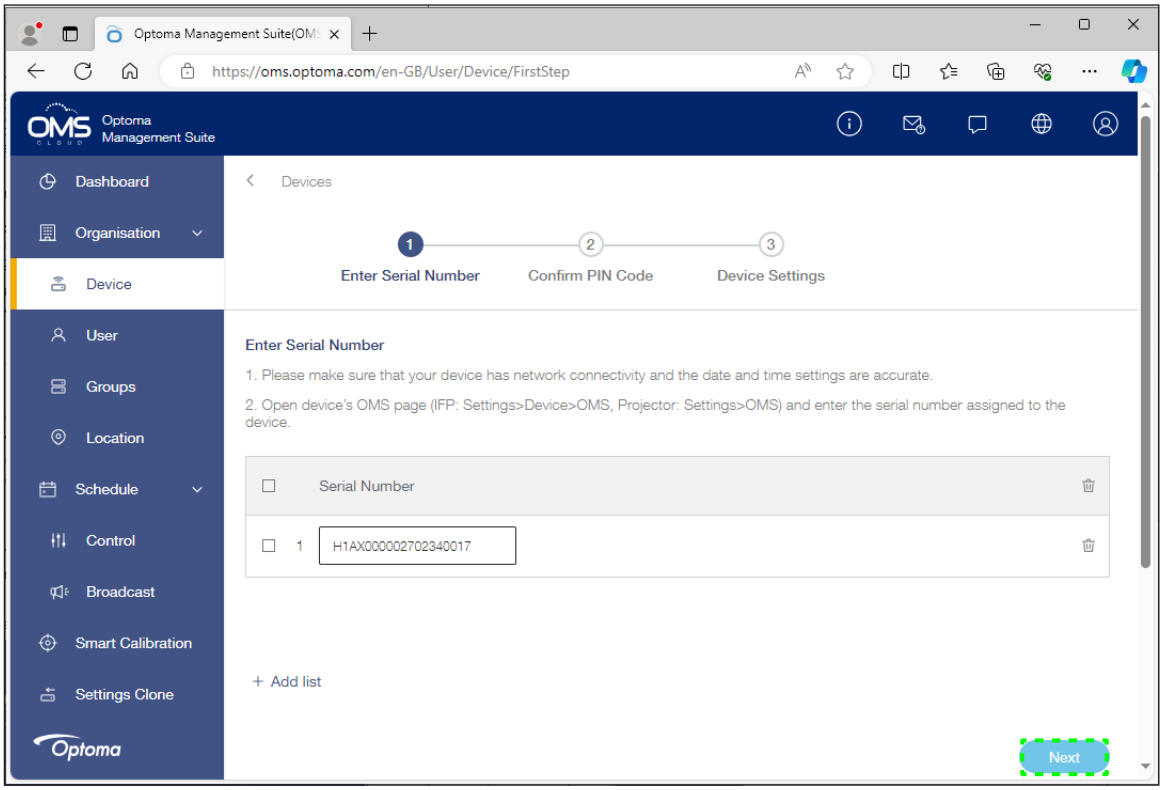
1. Connect the OC Hub and your wireless device to the same Wi-Fi network.
2. Open ⇒ ***Device*** ⇒ ***OMS***.
3. Select the location of your choice for the OC Hub, either Worldwide or China. Then select ***OK***.



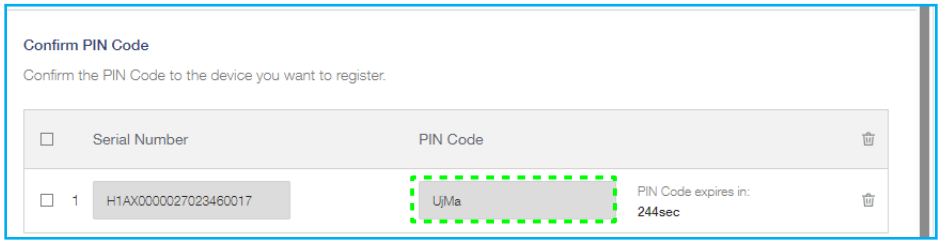
4. Scan the QR code on the OMS launcher screen. Sign up and login to the Optoma Management Suite website.
5. From the launcher screen, find the serial number of the device.



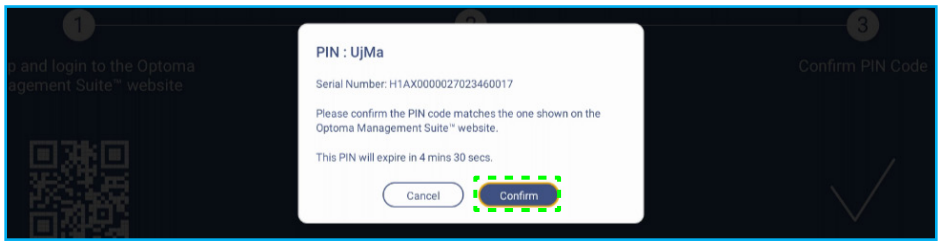
6. On the Optoma Management Suite website, add a new device into the OMS system.
Select **Device** > **+** > **Start** and enter the serial number of the OC Hub. Then select ***Next*** to continue.



7. Confirm the PIN codes on both the launcher screen and web browser. If the codes match, select ***Confirm*** on the OMS launcher screen.

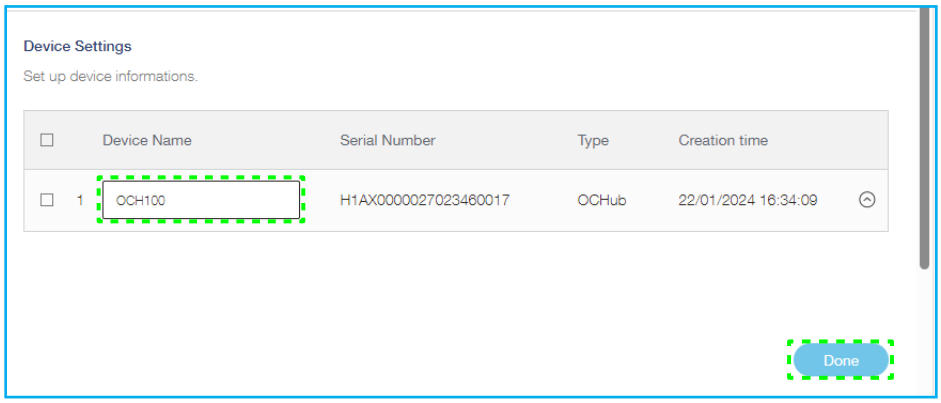


[Web Browser]

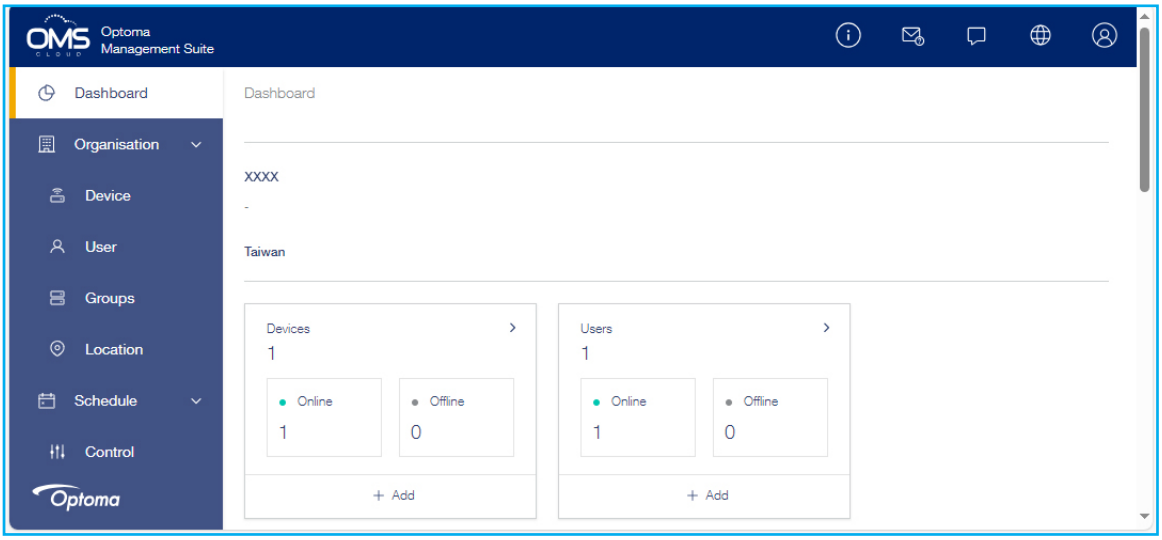


[Launcher Screen]

8. After pairing is successful, enter the device name and select ***Done***.



Use **OMS** to manage your OC Hub. For more information on OMS, refer to *https://onlinemanual.optoma.com/oms-en/bindingdevice*.



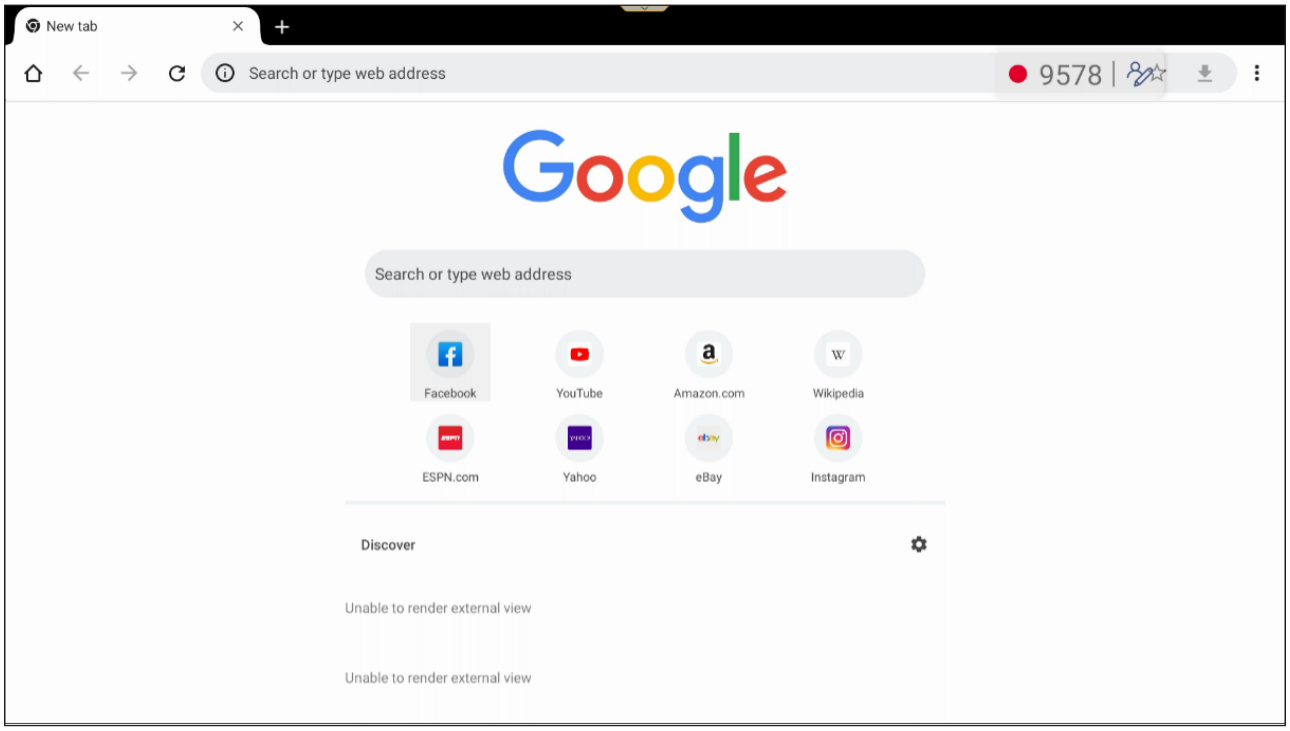
Note: *To unpair your OC Hub from the paired account, select **Unpair** on the launcher screen.*

USING THE APPS

Chromium

Select **Chromium** to access web pages.

Note: *You can also access the **Chromium** app by pressing the button on the remote control.*



USING THE APPS

Optoma Marketplace

Select **Optoma Marketplace** to visit the built-in app store and to download and install other third-party apps to the device.

Note: *To install third-party apps, make sure the **Install app from marketplace** option is enabled in the Settings ⇒ Security ⇒ Advanced Setting ⇒ Permissions section. Refer to page 35.*

Disclaimer for unauthorized apps on Android-based devices

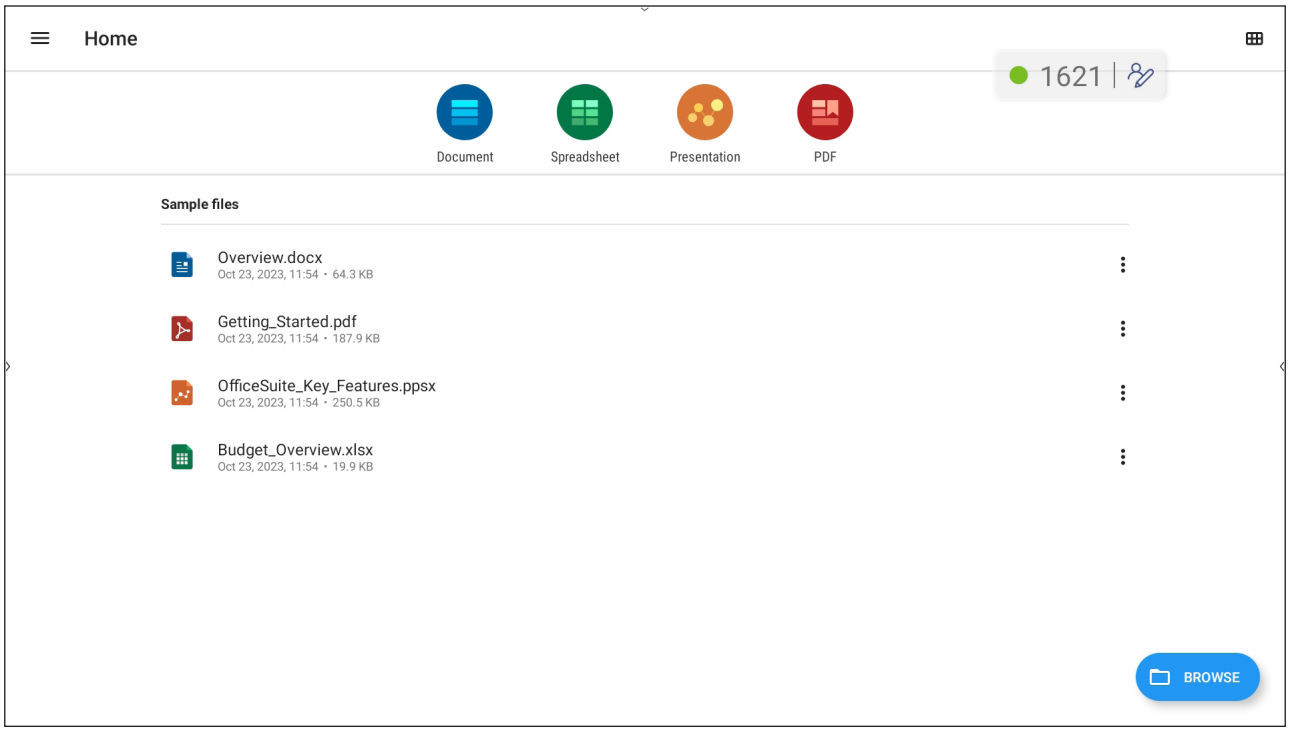
For system security, Optoma's devices run on a customized Android operating system. Additionally Optoma devices do not support Google Play Services. Optoma has streamlined the Android operating system so only modules related to display features remain. The customized Android operating system may not be compatible with all third-party Android apps. Third-party Android apps can vary in quality and some even contain malicious codes, which could compromise system security and functionality and may invalidate your product warranty.

Optoma makes no representations regarding the quality, security or suitability of any third-party apps and their compatibility with the Optoma device. Optoma shall have no responsibility or liability with respect to any damage, faults, loss in functionality or security issues arising as a direct or indirect result of the installation of third-party apps on the device. Optoma support in rectifying any issue which may result from the installation of third-party apps will be chargeable and may be limited.

USING THE APPS

OfficeSuite

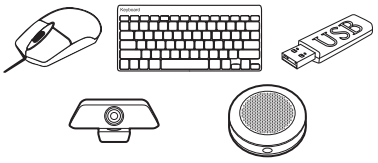
Select **OfficeSuite** to edit and manage any document format including PDF, Microsoft Word, PowerPoint, and Excel files.



Note: *You can also open the document directly from **File Manager**. Refer to page 66.*

ADDITIONAL INFORMATION

Specifications

Item	Description	
SOC	• Dual-core Cortex-A72 up to 1.8GHz • Quad-core Cortex-A53 up to 1.4GHz	
RAM	4GB	
Storage	32GB	
Operating System	Android 10	
DC Input	12V/1.5A	
I/Os	1x HDMI IN	Support up to 4K 30Hz
	1x HDMI OUT	Support up to 4K 60Hz
	1x RS232 (3.5mm mini jack)	Adaptor cable for 3.5mm mini jack to RS232(female)
	1x RJ45 (with POE function)	1000M, with POE 25W, 42.5Vdc-57Vdc POE power supply
	1x USB3.0 Type-C	Not support charging function
	1x USB3.0 Type-A	For USB Device. Do not support “USB Software Upgrade” via USB flash.
	2x USB2.0 Type-A	For USB Device 
Dimensions	135 x 135 x 35 mm	

ADDITIONAL INFORMATION

Troubleshooting

If you experience a problem with your OC Hub, please refer to the following information. If a problem persists, please contact your local reseller or service center.

No picture or sound on the connected display.

- Make sure all signal and power connections are properly connected.
- Make sure the correct input mode is selected. Refer to the “Shortcut Menu” section.
- Make sure the OC Hub is not turned off.
- Turn off the mute function.
- Make sure the volume is not set to the minimum level.

The OC Hub automatically shuts down.

- Check whether there is a sudden power outage.
- Make sure the power cord is not disconnected.

If the remote control does not work

- Check that the operating angle of the remote control is pointed within ±30° (horizontally) or ±15° (vertically) to the IR receiver on the OC Hub.
- Make sure there are no obstructions between the remote control and the IR sensor on the OC Hub. The distance between the remote control and the IR sensor window should not be longer than 8 meters.
- Make sure batteries are inserted correctly and replace the batteries if they are depleted. Refer to the “Installing/Replacing the Remote Control Batteries” section.

ADDITIONAL INFORMATION

Optoma Global Offices

For service or support, please contact your local office.

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