

Interactive Flat Panel



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SAFETY

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

Safety Instructions

- Only use Optoma-approved attachments/accessories.
- Do not block any ventilation openings. To ensure reliable operation of the device and to protect from overheating, it is recommended that the device be installed in a location and manner 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 any hard or sharp object to operate the touch screen.
- 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 the device.
 - The device has been exposed to rain or moisture.
 - Something has fallen into 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 to clean the display 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 authorized service personnel.

Copyright

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Disclaimer

The information in this document is subject to change without notice. The manufacturer makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. The manufacturer reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of the manufacturer to notify any person of such revision or changes.

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 numérique de la classe B est conforme à la norme NMB-003 du Canada.

Declaration of Conformity for EU Countries

- EMC Directive 2014/30/EU (Including amendments)
- Low Voltage Directive 2014/35/EU

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.

ENERGY STAR



ENERGY STAR is a U.S. Environmental Protection Agency voluntary program that helps businesses and individuals save money and protect our climate through superior energy efficiency. Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency criteria or requirements set by the U.S. Environmental Protection Agency. The following logo appears on all ENERGY STAR-certified models:

This product qualifies for ENERGY STAR in the “Standard mode” setting and this is the setting in which power savings will be achieved. Changing the Standard mode picture settings or enabling other features will increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR rating. Refer to EnergyStar.gov for more information on Energy Star program.

Low Blue Light and Eye Health

What is Low Blue Light Technology?

Low Blue Light Technology reduces the blue-light component emitted by your product. The harm of blue light to human eyes is mainly manifested in the pathological harm of eyes and the harm of human body rhythm, which lead to myopia, cataract and macular disease.

Low light certification: it is a certification project to evaluate whether the display equipment meets the requirements of photobiosafety and UV free radiation safety.

Note: To meet TUV Rheinland of low blue light certificate, the display setting should be:

- Display Mode is Presentation
- Color Temperature is Standard
- Low Blue Light is 100.

Calculating Breaks

It is recommended to take a 10-minute break every hour of continuous screen use.

Note: Remember to blink your eyes often to keep them healthy and avoid dryness.

Looking at Distant Objects

During breaks, look at distant objects or close your eyes. This helps to relax your ciliary (focusing) muscle and avoids eye strain.

How to Exercise Your Eyes?

1. Hold your pointer finger a few inches away from your eye.
2. Focus on your finger.
3. Slowly move your finger away from your face, holding your focus.
4. Look away for a moment, into the distance.
5. Focus on your outstretched finger and slowly bring it back toward your eye.

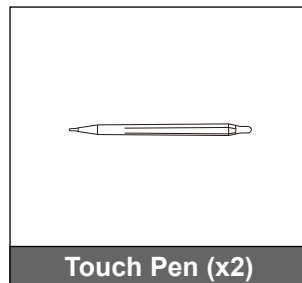
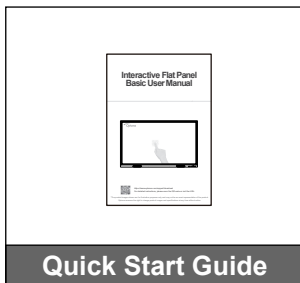
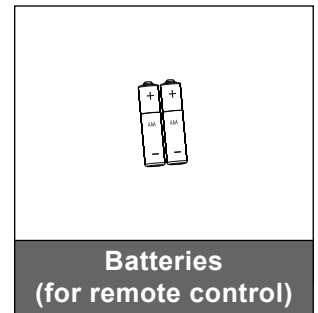
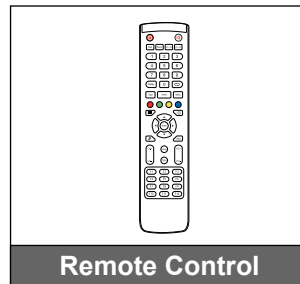
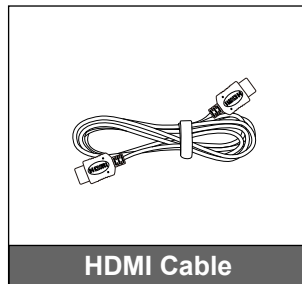
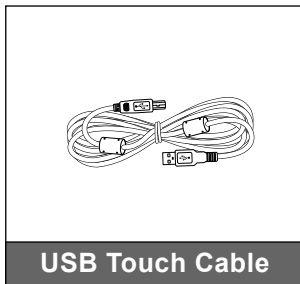
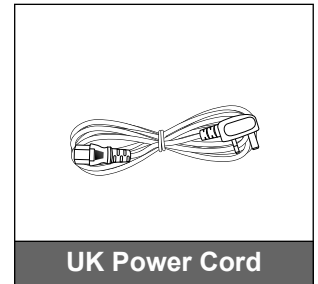
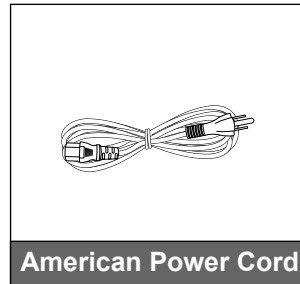
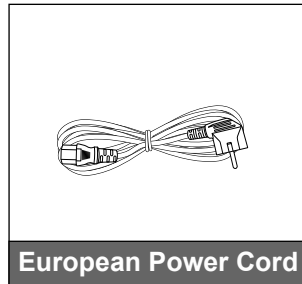
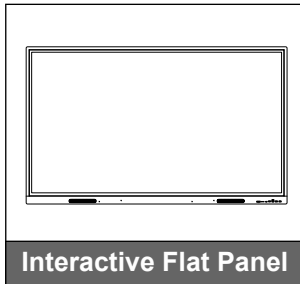
INTRODUCTION

Package Contents

Carefully unpack and verify that you have the items listed below under standard accessories. Some of the items under optional accessories may not be available depending on the model, specification and your region of purchase. Please check with your place of purchase. 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.

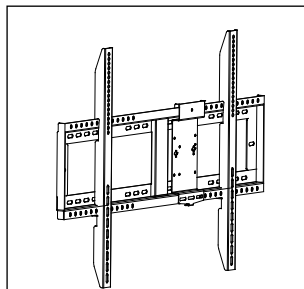
Standard Accessories



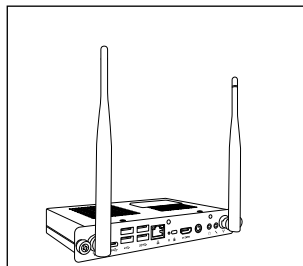
Note: For warranty information, please visit www.optoma.com.

INTRODUCTION

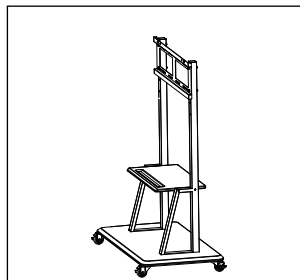
Optional Accessories



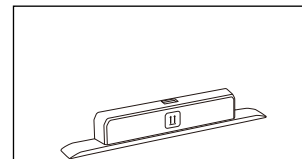
Wall Mount with PC
Vesa Bracket



OPS Slot-in PC
(options available)



Mobile Stand

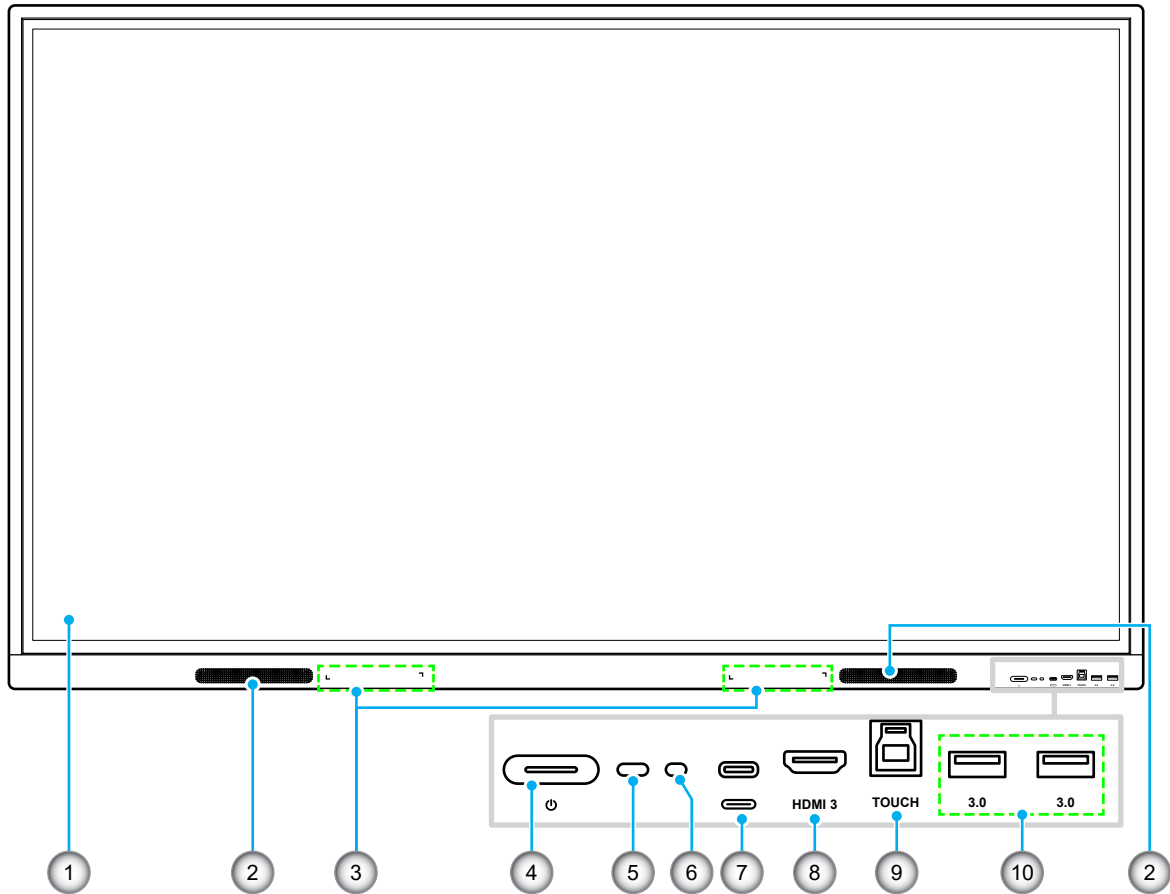


Wi-Fi Dongle
(Regional optional)

INTRODUCTION

Product Overview

Front View



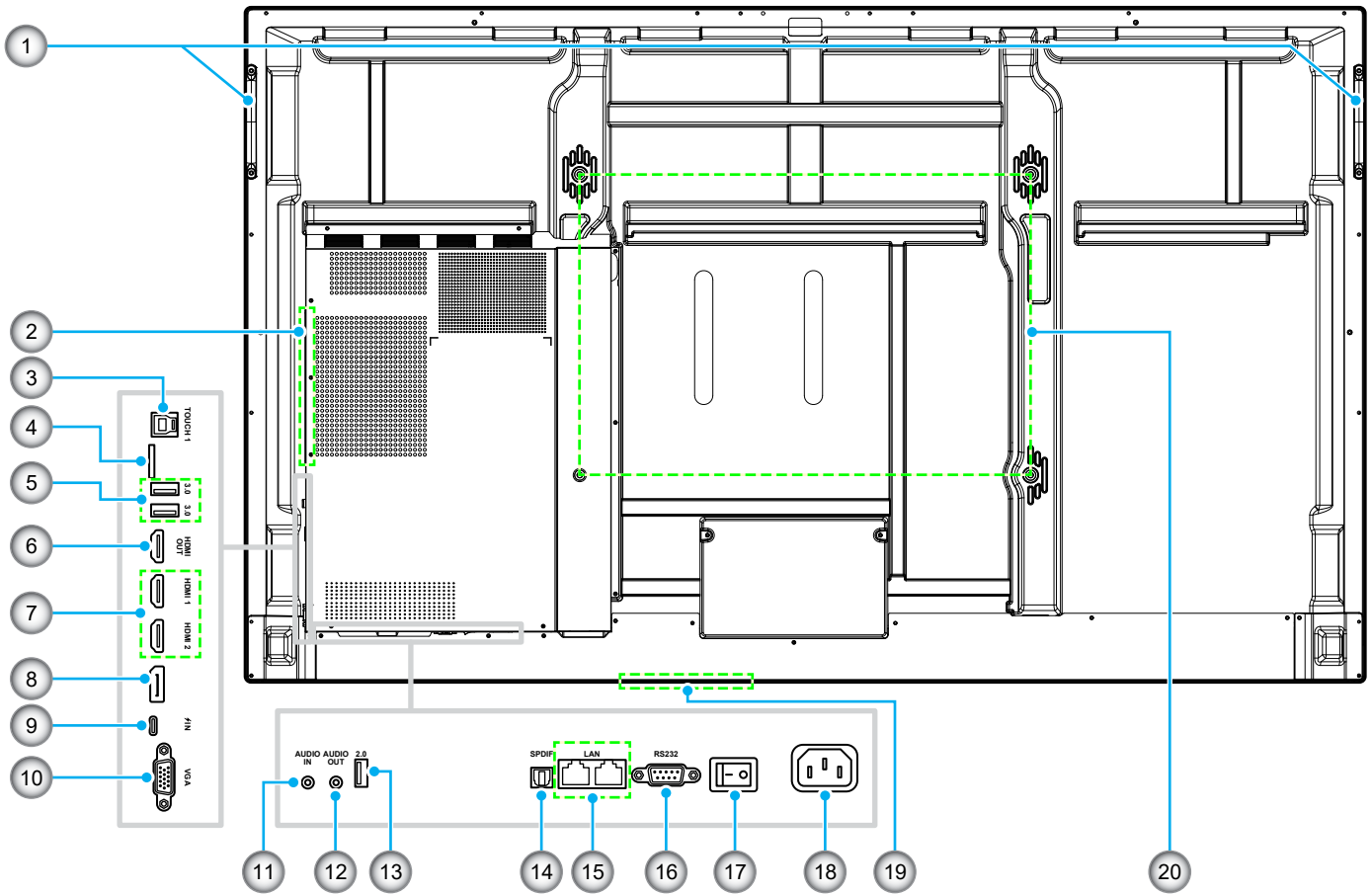
No.	Item
1.	Touch screen
2.	Speakers (x2)
3.	Touch pen placements (x2)
4.	Power button with LED indicator
5.	IR receiver

No.	Item
6.	Light sensor
7.	USB Type-C port (65W PD*)
8.	HDMI 3 In
9.	Touch2 Out
10.	USB 3.0 In (x2)

Note: (*) USB-C port supports power delivery up to 65W without OPS. If OPS is installed to the IFP, then the USB-C port supports power delivery 15W.

INTRODUCTION

Rear View



No.	Item
1.	Handles (x2)
2.	OPS slot
3.	Touch1 Out
4.	TF card slot
5.	USB 3.0 In (x2)
6.	HDMI Out
7.	HDMI 1/2 2.0 In (x2)
8.	DisplayPort In
9.	USB Type-C In (PD 15W(*))
10.	VGA In

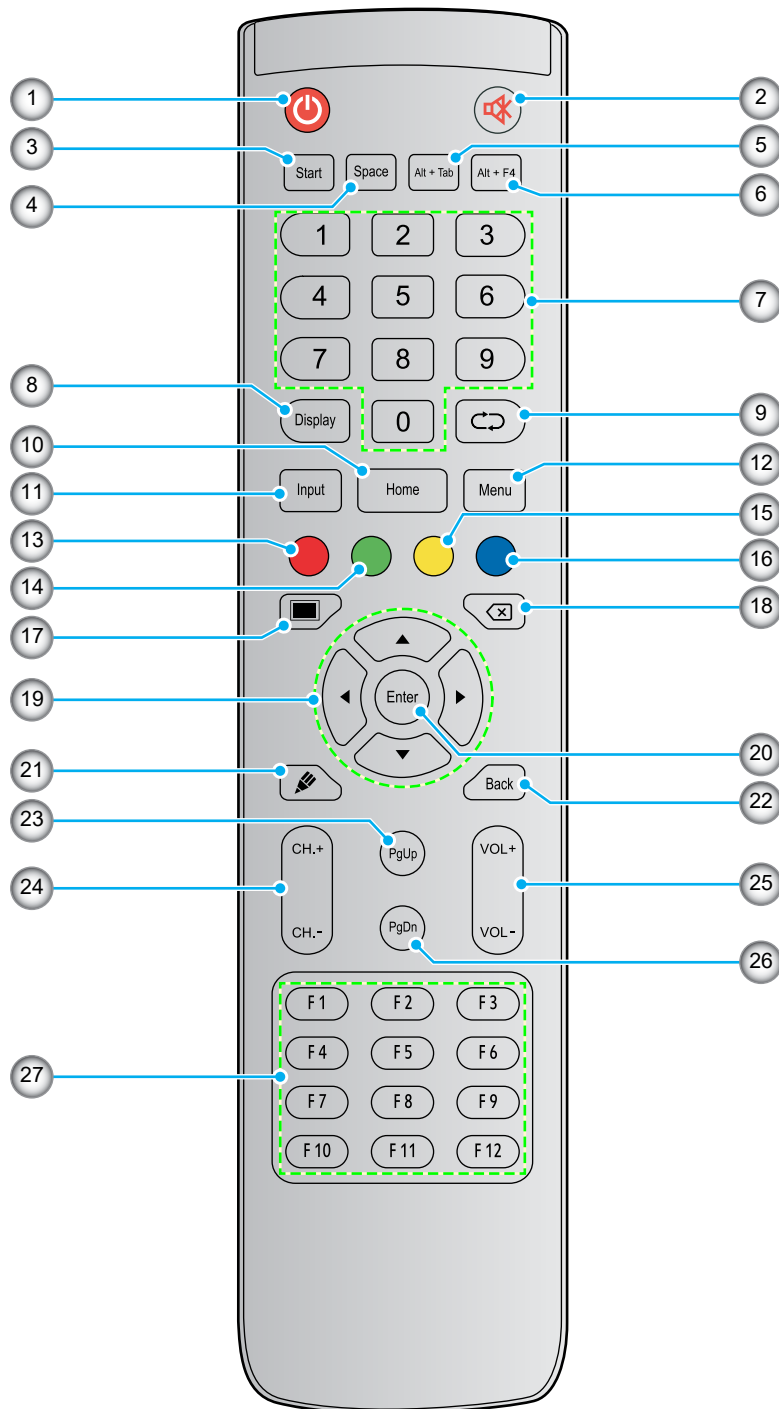
No.	Item
11.	Audio In
12.	Audio Out
13.	USB 2.0 In
14.	SPDIF Out
15.	LAN In/Out (x2)
16.	RS232 In
17.	Power switch
18.	AC In
19.	Wi-Fi dongle slot
20.	Mounting holes for wall mount

Note:

- Side USB 3.0 ports are full channel USB ports. USB ports can be used irrespective of the chosen input source.
- (*) USB type-C port supports DisplayPort 1.2 and power delivery (15W).
- USB 2.0 port is for firmware upgrade or for pen holder connection. If the pen holder is plugged into any of the USB 3.0 ports then the pen holder trigger function can be used only in Android mode.

INTRODUCTION

Remote Control



No.	Button	Description
1.	Power (🔌)	Turn on/off the interactive flat panel (IFP).
2.	Mute (🔇)	Turn off the sound temporarily.
3.	Start	Perform the same function as the Windows key on a computer keyboard. (*)
4.	Space	Perform the same function as the Space key on a computer keyboard. (*)
5.	Alt+Tab	Perform the same function as the Alt and Tab keys on a computer keyboard. Pressing both keys, you can switch between all open applications (windows). (*)

INTRODUCTION

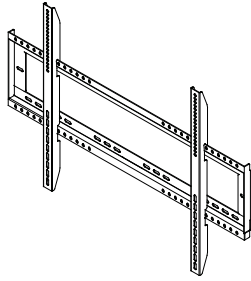
No.	Button	Description
6.	Alt+F4	Perform the same function as the Alt and F4 keys on a computer keyboard. Pressing both keys, you can close the current window. (*)
7.	Numeric keys	Numeric input keys
8.	Display	Show the current input source and information.
9.	Repeat (↺)	No function.
10.	Home	Return to the Home screen.
11.	Input	Select the input source.
12.	Menu	Display or hide the OSD menu.
13.	Red (●)	Lock or unlock the Power button (on the IFP) and touch functions.
14.	Green (●)	Lock or unlock the Power button (on the IFP) function.
15.	Yellow (●)	Lock or unlock the touch function.
16.	Blue (●)	Freeze the screen.
17.	AV mute (■)	Turn the screen off/black and stop audio.
18.	Backspace (⌫)	Perform the same function as the Backspace key on a computer keyboard.
19.	Navigation keys (▲▼◀▶)	Select an item or option.
20.	Enter	Confirm the selection.
21.	Whiteboard (✎)	Launch the Whiteboard app.
22.	Back	Return to the previous screen.
23.	PgUp	Perform the same function as the PgUp key on a computer keyboard.
24.	Channel keys	No function.
25.	Volume keys	Adjust the volume level.
26.	PgDn	Perform the same function as the PgDn key on a computer keyboard.
27.	Function keys (F1 ~ F12)	Perform the same function as the F1 ~ F12 function keys on a computer keyboard. (*)

Note: (*) This function only works if OPS with Windows operating system is installed in the OPS slot.

SETUP AND INSTALLATION

Wall Mounting Installation

Use only an Optoma-approved optional wall mount kit (available separately). Kit will include the following items:



Dual mounting brackets and wall mount



Screw A (x4)



Screw B (x8)



Screw C (x2)



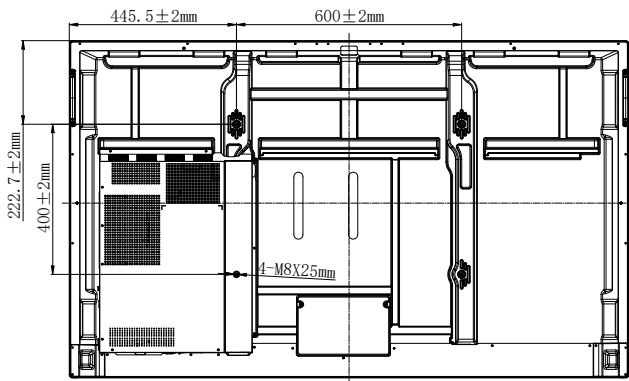
Anchor (x8)



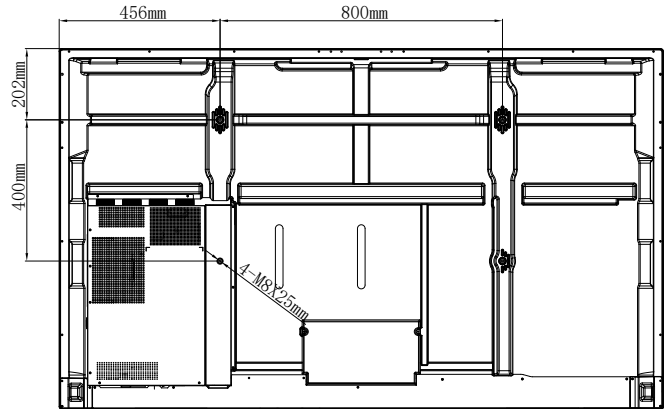
Washer (x8)

Wall Mount Specifications

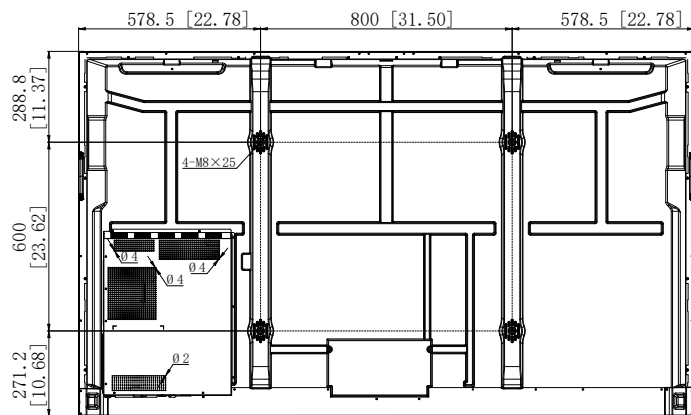
Model Name	VESA Grid	Screw Type & Length
65-inch	600 x 400 mm	M8*25L
75-inch	800 x 400 mm	M8*25L
86-inch	800 x 600 mm	M8*25L



65-inch



75-inch

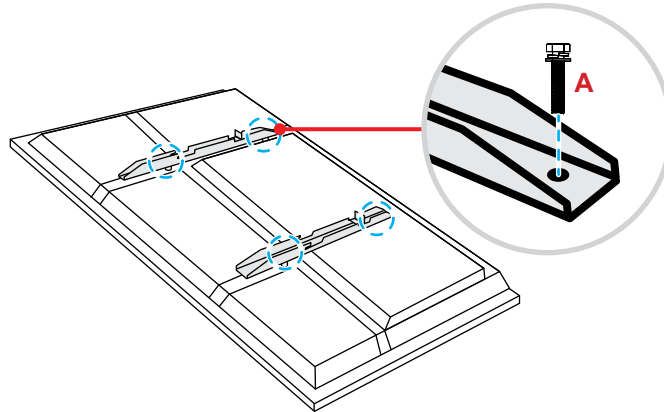


86-inch

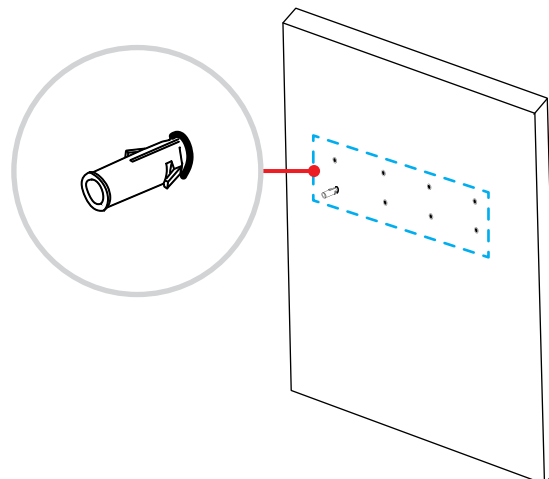
SETUP AND INSTALLATION

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

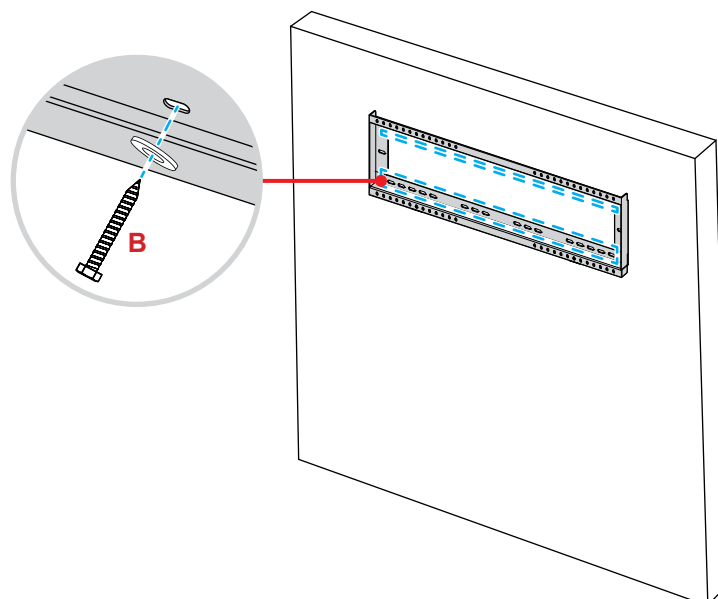
1. Install the dual mounting brackets on the rear of the IFP. Then secure the brackets with four screws (A).



2. Drill eight small holes on the mounting location and insert the anchors into the holes.

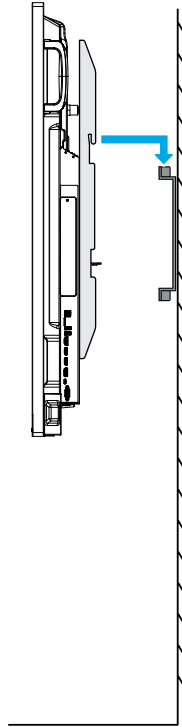


3. Position the wall mount on the wall, then secure the wall mount with eight screws (B) through the washers into the installed anchors on the wall.

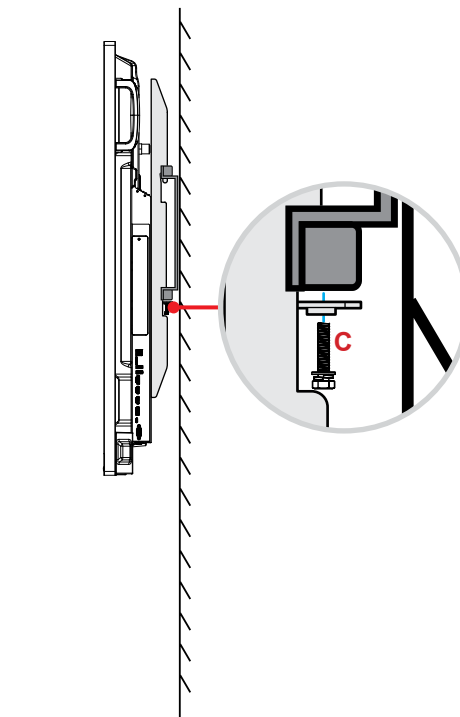


SETUP AND INSTALLATION

4. Align and hook the dual mounting brackets to the wall mount.



5. Secure the dual mounting brackets and the wall mount with two screws (C).



Note:

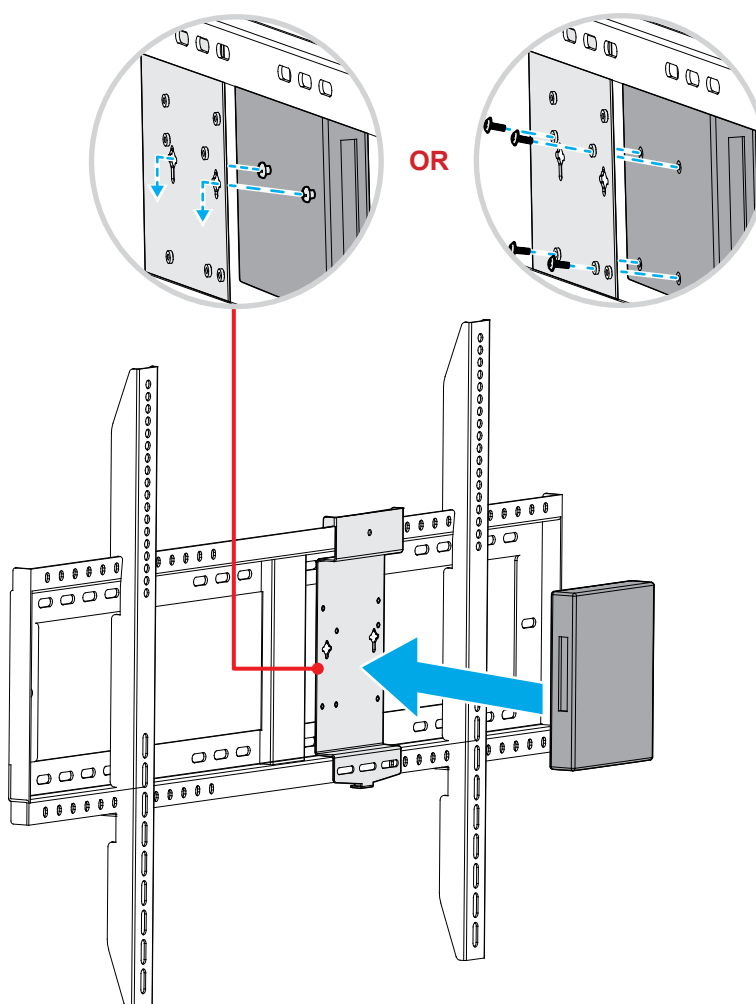
- *Maximum wall mount kit load capacity: 160kg (352lbs).*
- *The wall mount should be installed into a concrete wall to ensure a secure installation. If concrete wall is not available, we recommend that a stand be used instead. Please refer to page 18.*
- *Screws must be tightly secured; however, to avoid damage to the mounting brackets, wall mount, or IFP, do not overtighten the screws.*
- *The installation should only be performed by qualified technicians. Improper installation may cause the IFP to fall or malfunction.*
- *Please note that damage resulting from incorrect installation will void the warranty.*

SETUP AND INSTALLATION

Installing an External Mini Computer

Install the mini PC bracket on the rear side of the wall mount, then complete one of the following to install the mini computer:

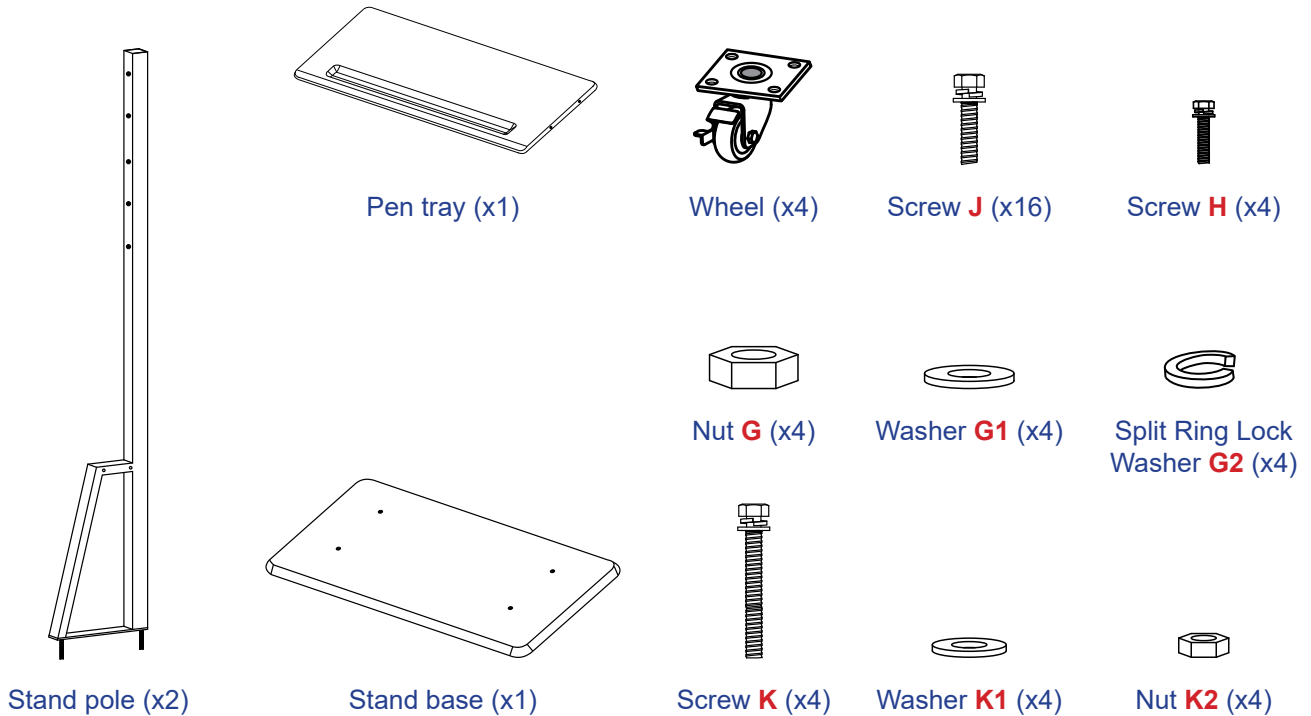
- Install the screws onto the mini computer, then align and hook the mini computer to the mini PC bracket.
- Align and install the mini computer to the mini PC bracket. Then secure it with four screws.



SETUP AND INSTALLATION

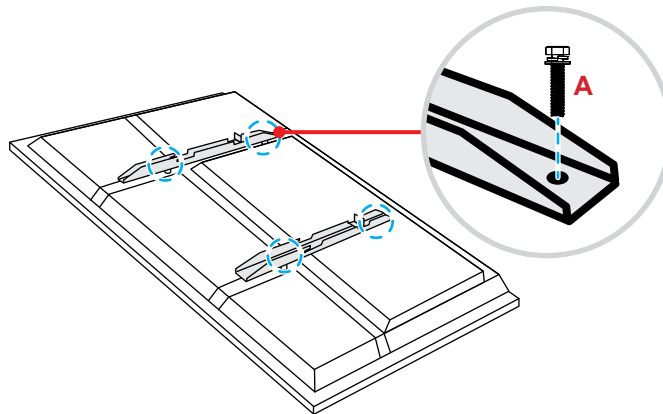
Stand Mounting Installation (Optional)

The stand mount kit includes the following items:



To mount the IFP on the stand, complete the following steps:

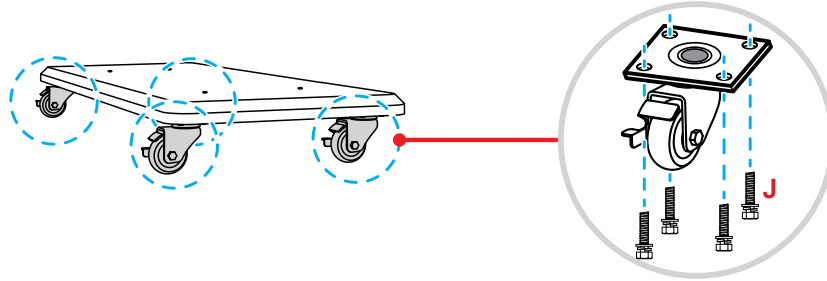
1. Install the dual mounting brackets on the rear of the IFP. Then secure the brackets with four screws (A).



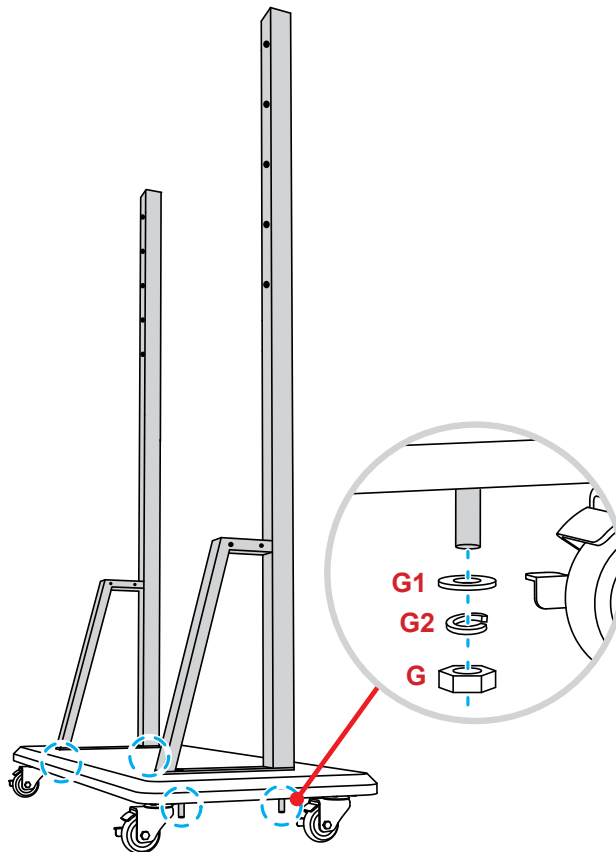
Note: Dual mounting brackets, wall mount, and screws (A) are included in the wall mount kit. Refer to “Wall Mounting Installation” on page 14.

SETUP AND INSTALLATION

2. Flip the stand base so that you can see the screw holes for the wheel, then install the wheel onto its slot and secure it with four screws (**J**).
Repeat the same procedure to install the remaining three wheels.



3. Place the stand base on a stable surface, then install the stand pole onto its slot and secure both standoffs with two nuts (**G**) through the washers (**G2** and **G1**).
Repeat the same procedure to install the other stand pole.



SETUP AND INSTALLATION

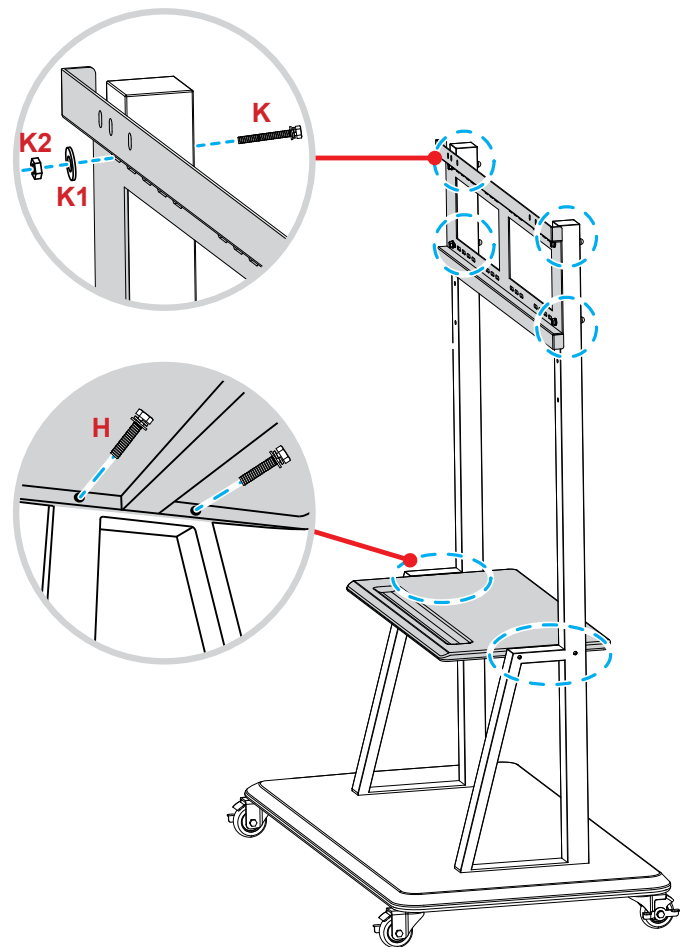
4. Align the pen tray with the screw holes on the middle part of the poles, then secure the pen tray with four screws (H).

5. Install the wall mount on the upper part of the poles, then insert the screws (K) through the screw holes from the rear side of the poles.

*** Please Note:**

- a) For safest use and to avoid risk of tipping, do not mount at highest point on ST05 stand.
- b) Do NOT stand underneath ST05 stand when adjusting mount height.

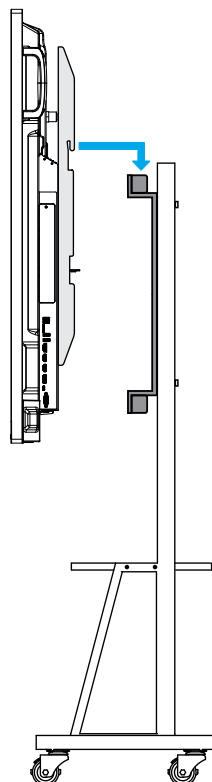
6. Place the washers (K1) and the nuts (K2) into the screws, then tighten the nuts (K2) to secure the wall mount in place.



7. Align and hook the dual mounting brackets to the installed wall mount on the stand poles.

*** Please Note:**

Do not operate or place the ST05 stand on a sloped surface as this can cause rolling and/or result in injury or harm to self and others.



SETUP AND INSTALLATION

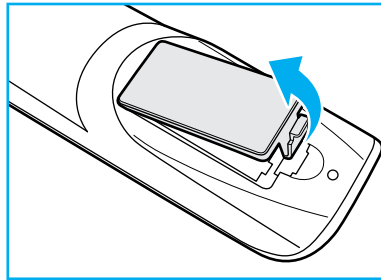
Using the Remote Control

Installing/Replacing the Remote Control Batteries

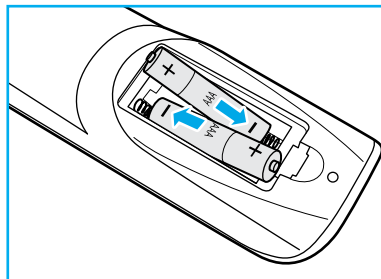
Two (2x) AAA size batteries are supplied for the remote control.

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

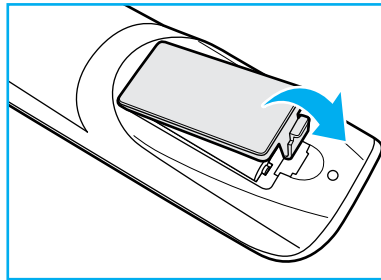
1. Remove the cover of the battery compartment.



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.

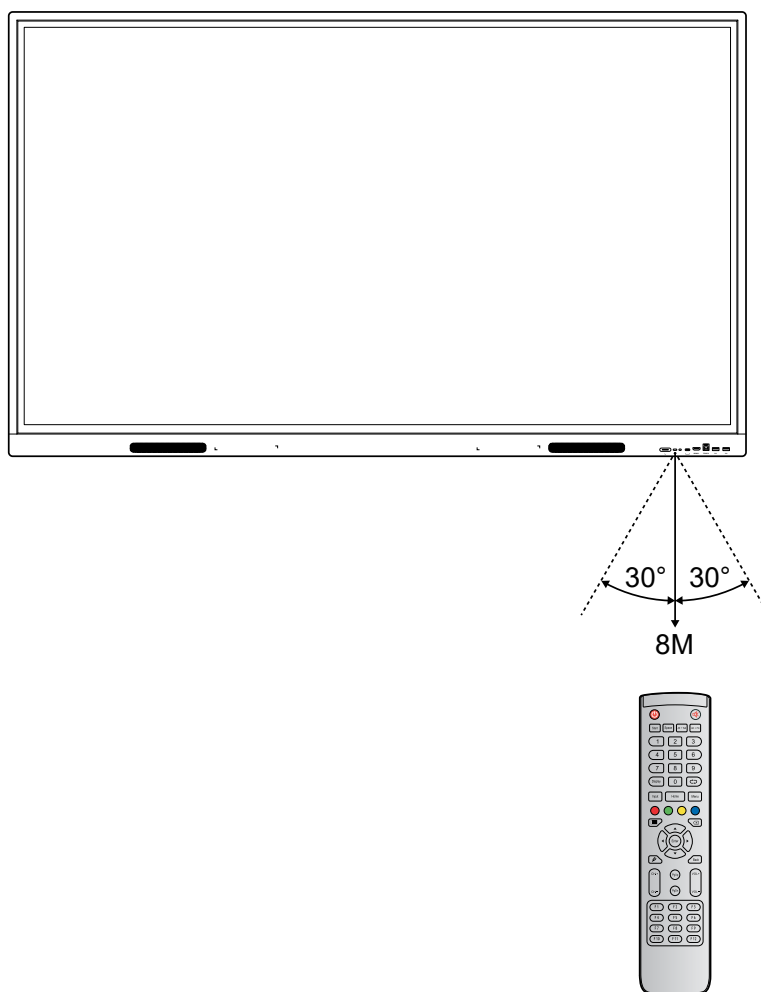
- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they are depleted. Chemicals 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 $\pm 30^\circ$ to the IR receiver on the IFP. The distance between the remote control and the IR sensor window should not be longer than 8 meters (~ 25 feet).

- Make sure that there are no obstacles between the remote control and the IR sensor window on the IFP that might obstruct the infra-red beam.
- Make sure the IR transmitter of the remote control is not being used where direct sunlight or light from fluorescent lamps can interfere with the infra-red beam.
- If the remote control is close to Inverter-Type fluorescent lamps, it might cause intermittent service issues.
- If the remote control and the IFP are too close together, the remote control may not function or experience intermittent issues.



SETUP AND INSTALLATION

Connections

Connecting to Power

1. Connect one end of the power cord to the AC-in socket on the IFP.
2. Connect the other end of the power cord to a power outlet or a power supply.
3. Set the **Power** switch to ON (I). The IFP will automatically enter standby mode.

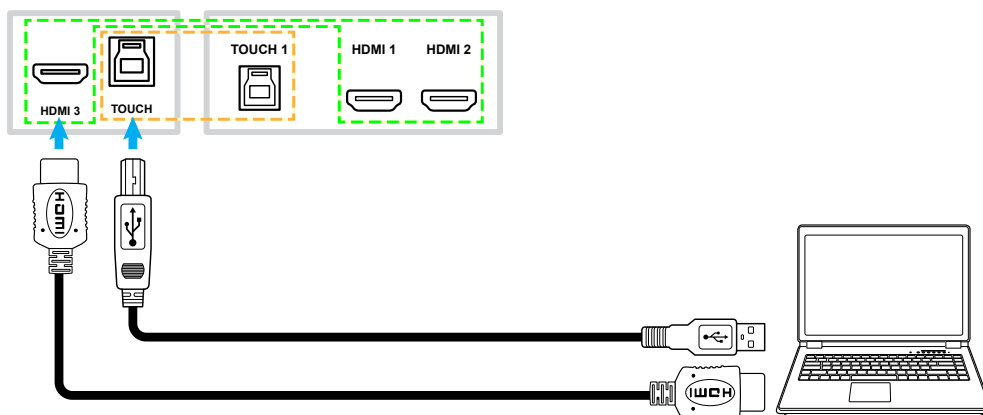


Connecting External Devices

IMPORTANT! To use the touch screen function, make sure to connect one end of the USB cable to the USB type-B TOUCH 1 or TOUCH 2 port on the IFP and the other end of the cable to the USB type-A port on your device.

HDMI input connection

- Connect your computer to the IFP using an HDMI cable.



- Connect your video source to the IFP using an HDMI cable.



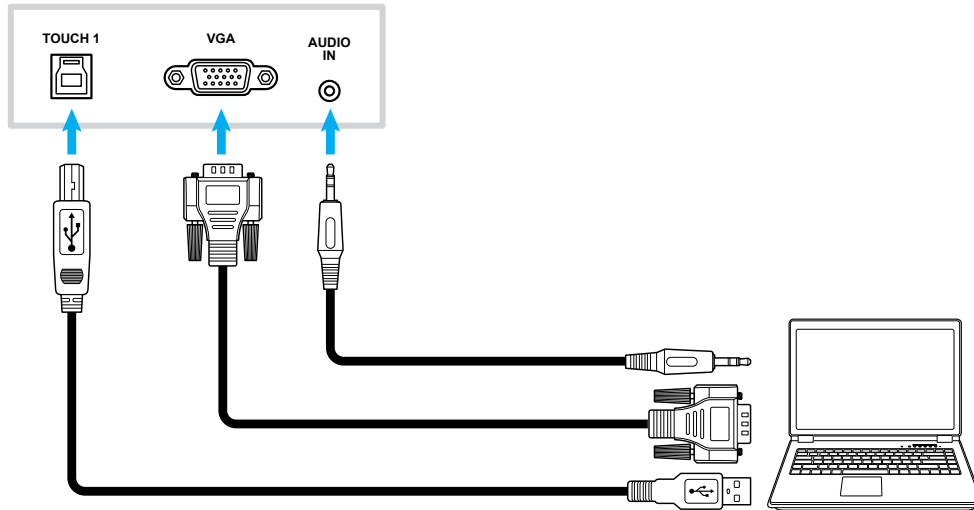
SETUP AND INSTALLATION

VGA input connection

Connect your computer to the IFP using a VGA cable.

Note:

- For audio input, connect one end of an audio cable to the Audio In port on the IFP and the other end of the cable to the audio port of your computer.
- For touch function, connect one end of the USB cable to the Touch or USB 3.0 Touch port on the IFP and the other end to the USB port of your computer.

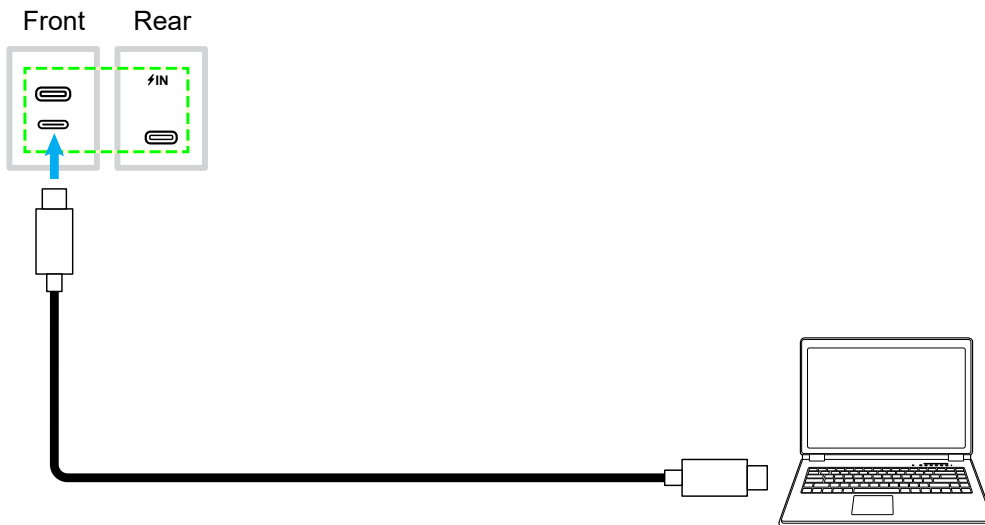


USB type-C input connection

Connect your computer to the IFP using a USB type-C cable.

Note:

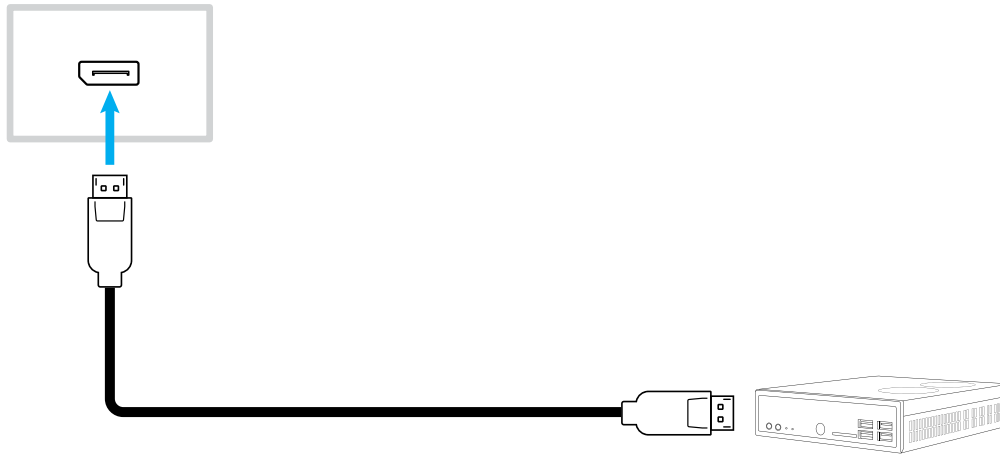
- USB type-C can be used to transmit audio, video and touch signals.
- Both USB type-C ports on the rear and in the front of the IFP support Network Sharing 100M.
- The front USB type-C port supports power delivery up to 65W (with OPS module) and the rear USB type-C port supports power delivery up to 15W.



SETUP AND INSTALLATION

DisplayPort connection

Connect your electronic device to the IFP using a DisplayPort cable.



Audio input connection

Connect your external microphone to the Audio-in port on the IFP.



Audio output connection

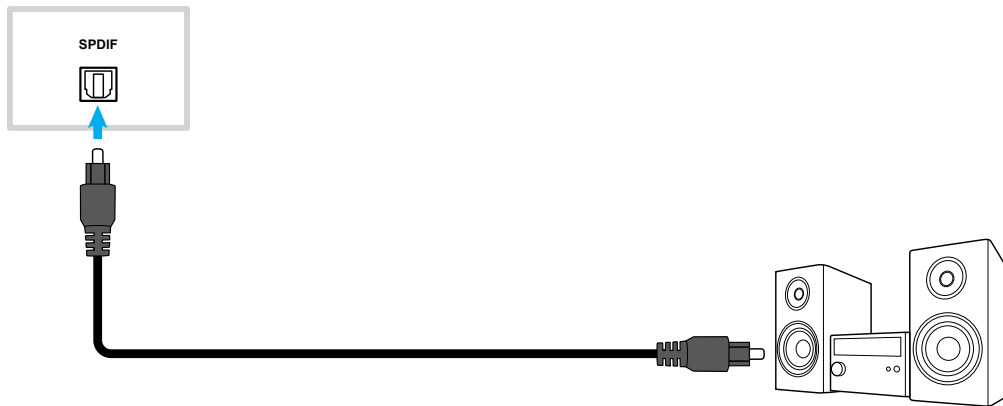
Connect your external speakers to the Audio-out port on the IFP.



SETUP AND INSTALLATION

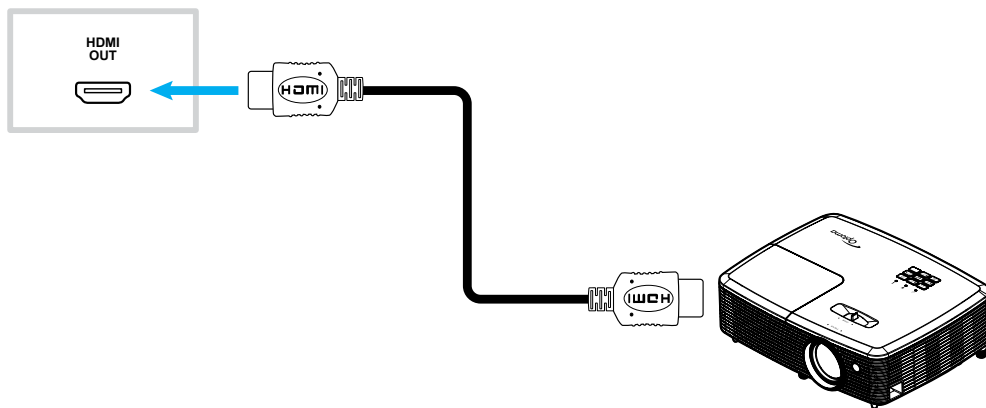
SPDIF connection

Connect your audio equipment to the IFP using a SPDIF cable.



HDMI output connection

Connect your projector to the HDMI out port on the IFP.

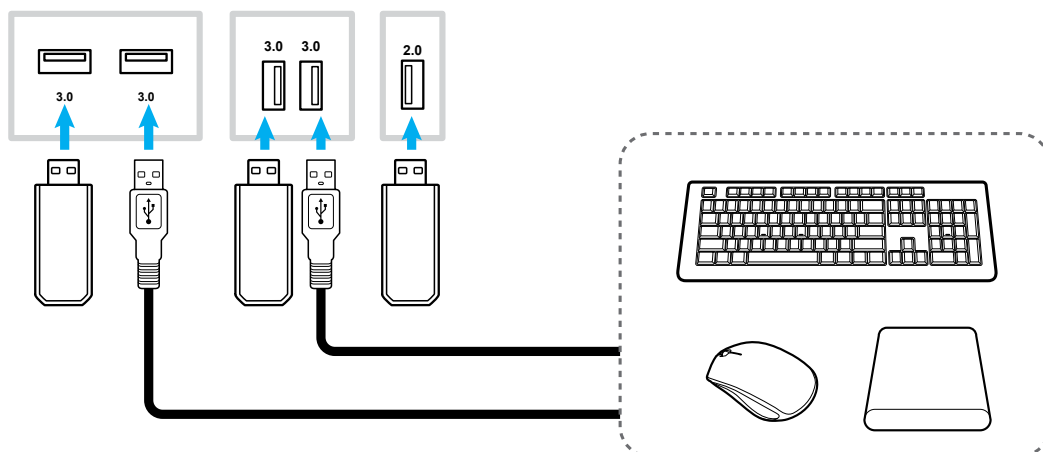


USB connection

Connect your USB peripheral device to the IFP using a USB cable.

Note:

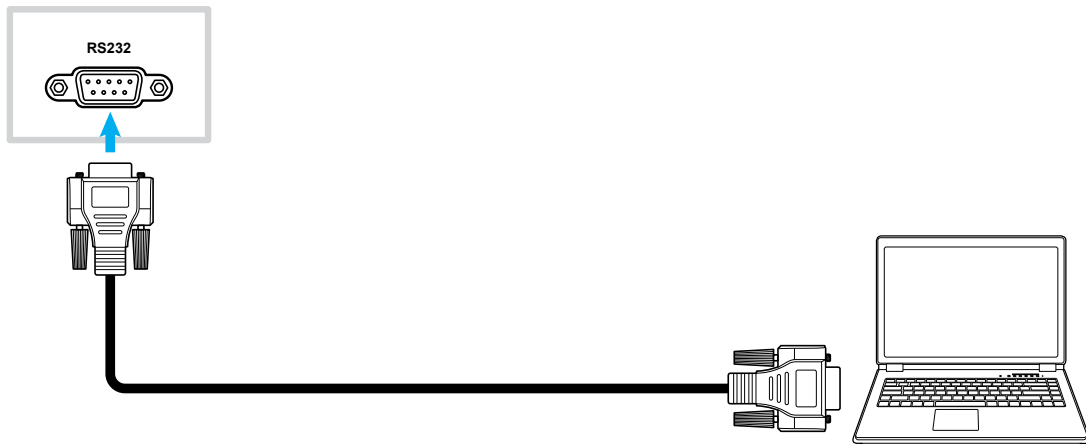
- For a USB flash drive, simply plug it into one of the available USB ports.
- USB 2.0 port is reserved for firmware upgrades and the USB quick-draw pen holder.



SETUP AND INSTALLATION

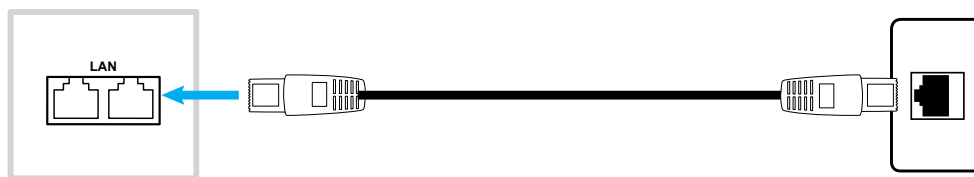
RS232 connection

Connect your computer to the IFP using a RS232 cable.



LAN connection

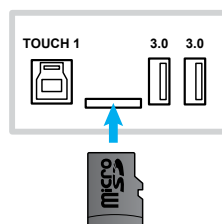
Connect your IFP to the network using an Ethernet cable.



Note: To configure network settings, refer to “Configure the Wired Network Settings” on page 46.

Using TF card reader

Insert a microSD card into the TF card reader.



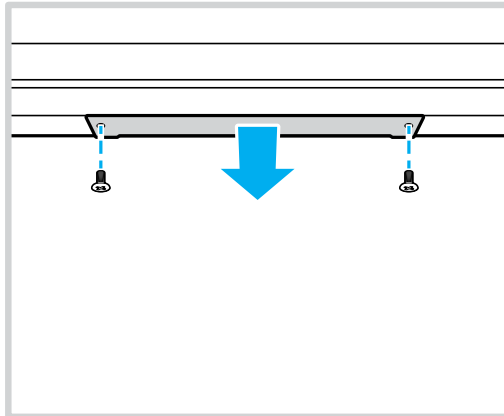
SETUP AND INSTALLATION

Wi-Fi connection

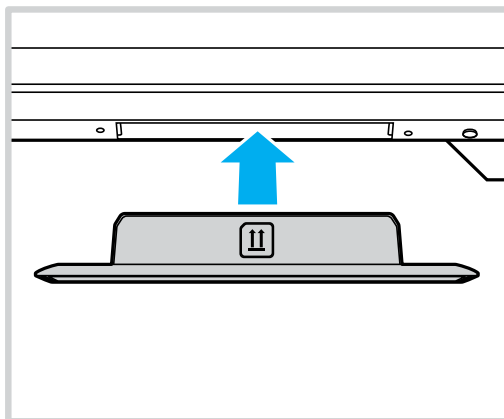
For Wi-Fi connection, you need to install a Wi-Fi dongle to the Wi-Fi slot on the bottom of the IFP. Wi-Fi dongle can receive the signal in an area where there is a Wi-Fi network.

To install the Wi-Fi dongle, complete the following steps:

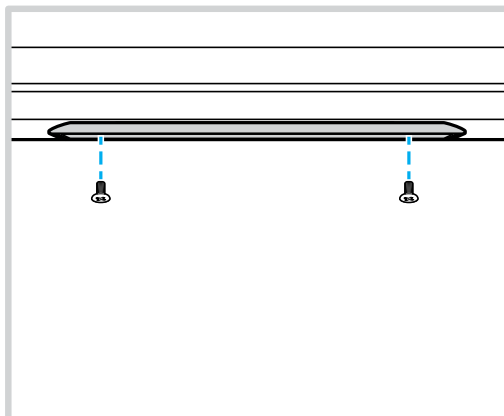
1. Remove two (2) screws from the Wi-Fi slot bracket.
2. Remove the Wi-Fi slot bracket.



3. Insert the Wi-Fi dongle to the Wi-Fi slot on the IFP.



4. For Wi-Fi dongles with holes on either side, please use the included screws to secure the dongle to the IFP.



USING THE DEVICE


Turning the Power On/Off

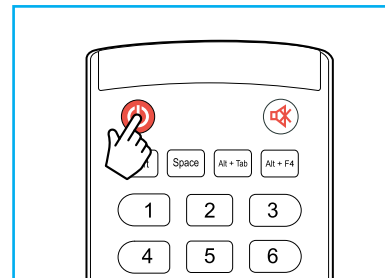
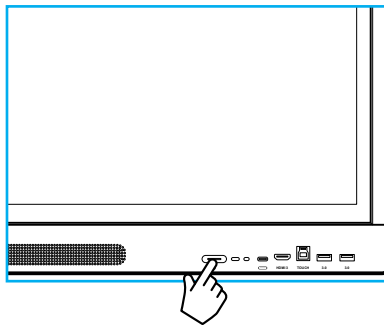
Powering On

Note: After the power cord is properly connected, make sure the **Power** switch is set to ON (I).



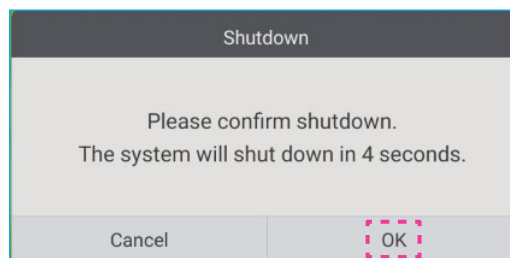
Press the **Power** button to turn on the IFP. The LED indicator light turns white, indicating it is ready to use.

Note: You can also press the  button on the remote control to turn on the IFP.




Powering Off

Press the **Power** button for 3 seconds to turn off the IFP. Tap **OK** at the prompt to turn it off immediately or wait for 10 seconds until the IFP turns off automatically.



When the LED indicator light turns red, this indicates that the IFP has entered standby mode.

Note:

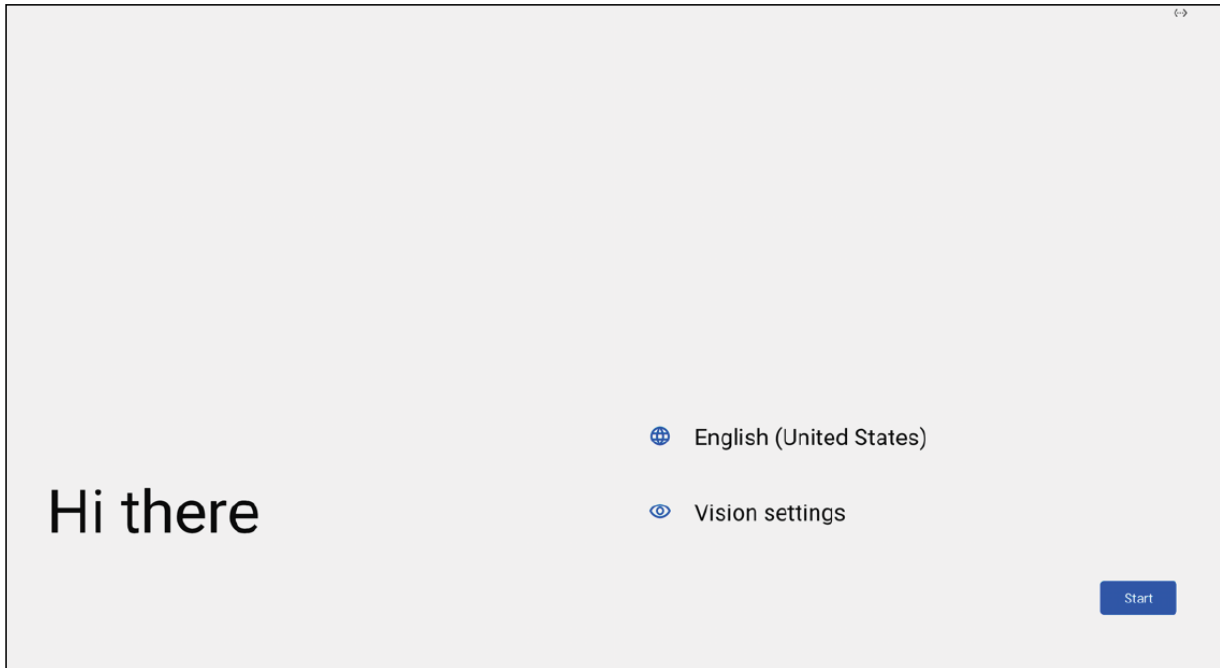
- You can also press the  button on the remote control to turn off the IFP.
- The IFP still consumes power when it is in standby mode. It is highly recommended to unplug the power cord from the power outlet if the IFP will not be used for an extended period of time.

USING THE DEVICE

Setup Wizard

The Setup Wizard will appear on the screen when you turn on your IFP for the first time. You are prompted to configure some basic settings, such as language, Wi-Fi, security, and more. Follow the onscreen instructions to complete the initial setup.

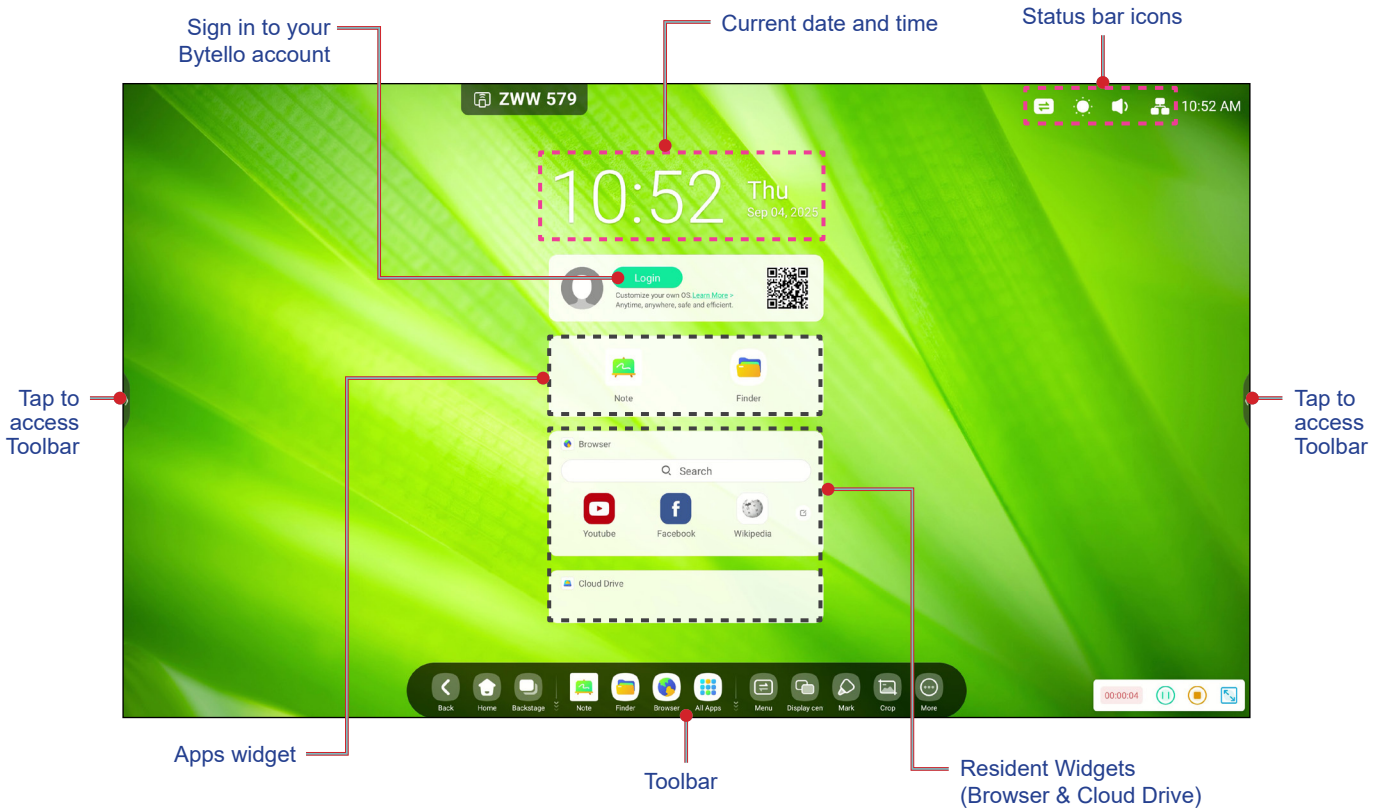
Note: *This IFP is equipped with a touch-sensitive screen. You can simply tap the touch screen to operate your IFP.*



BASIC OPERATIONS

Home Screen Overview

By default, the Home screen of the Public mode is displayed every time you start the IFP.



To navigate the Home screen, do any of the following:

- Select an option: Simply tap on the desired item.
- Tap \rangle / \langle / \sim on the left, right, or bottom side of the screen to open the toolbar.

Note:

- Unless otherwise specified, this section describes IFP operations using touch gestures.
- You can also use the remote control to operate the IFP.

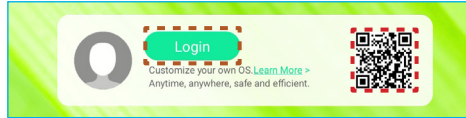
BASIC OPERATIONS

Switching to Personal Mode

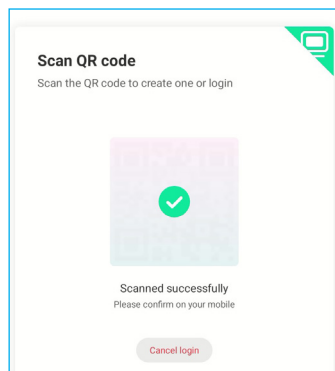
In Personal mode, you can personalize your own workspace.

Account Login

1. Tap **Login**.

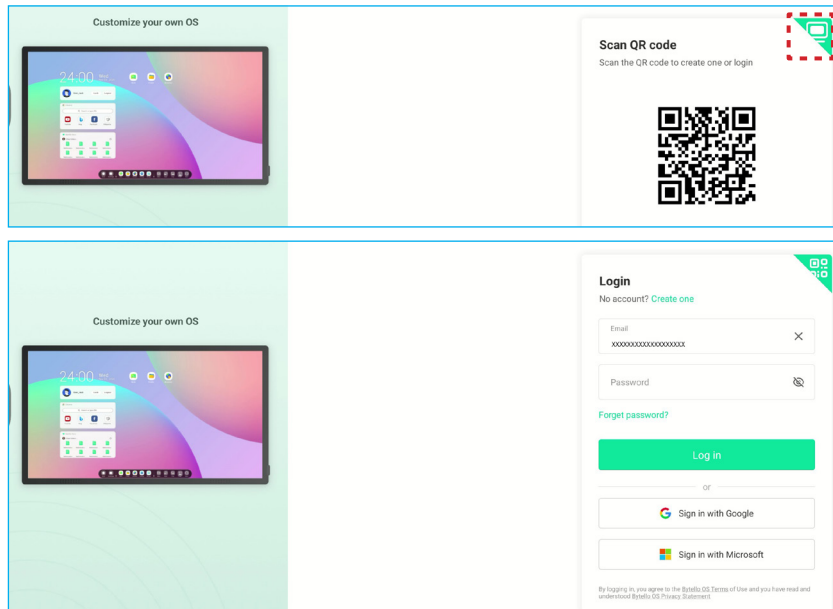


Note: You can also directly scan QR code using your mobile device to log in to your account. Below screen will appear after you scanning the QR code.



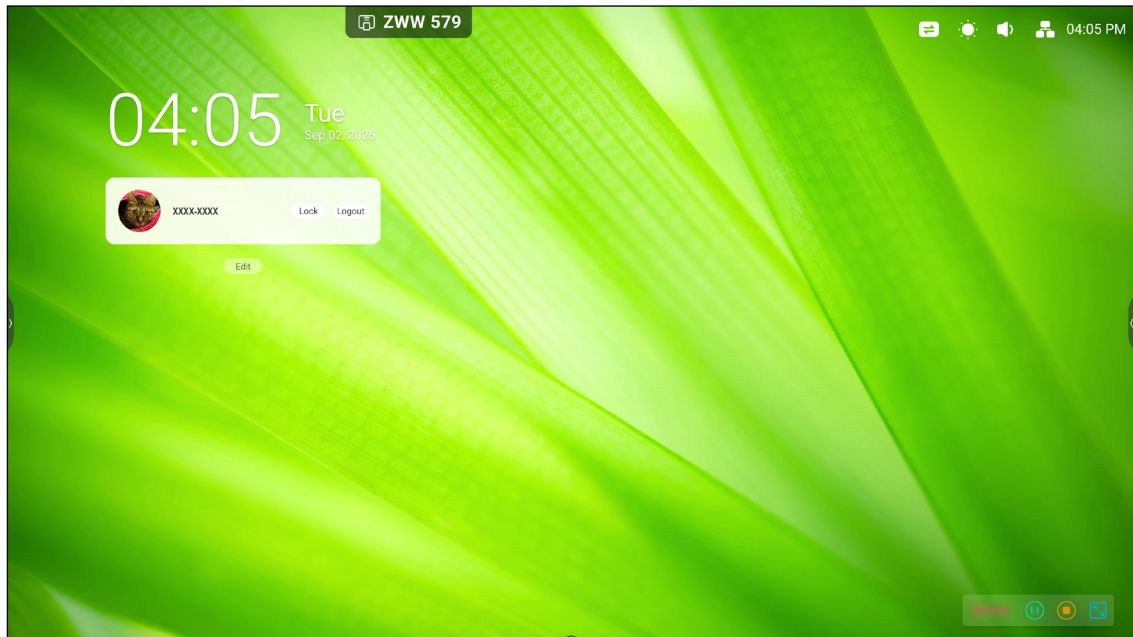
2. If you don't have a mobile device to scan the QR code, tap the top-right corner icon (📄) to switch to the desktop login page. Then enter the email account and password.

Note: You can also sign in using your Google or Microsoft account.



BASIC OPERATIONS

3. Tap **Log in** to continue. The system will automatically switch to Personal mode.

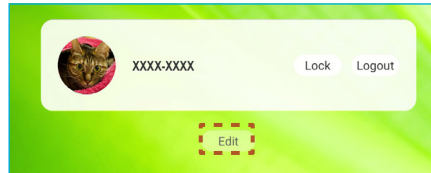


BASIC OPERATIONS

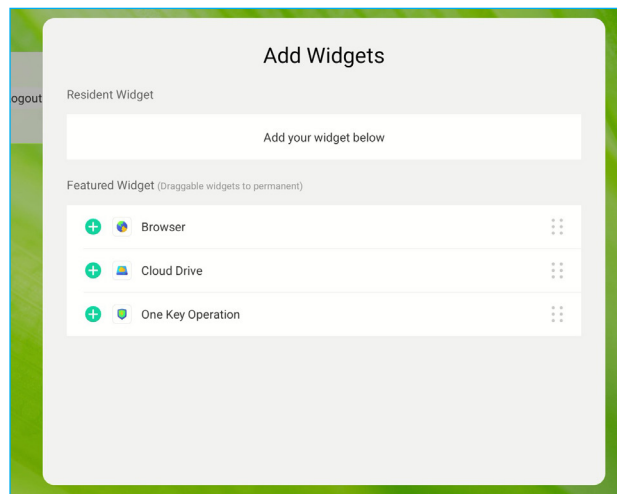
Personalize the Launcher

Adding a widget

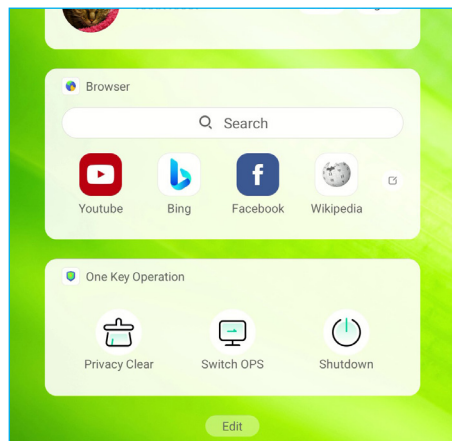
1. Tap **Edit**.



2. Tap **+** to add the selected widget as a resident widget.




3. Touch anywhere on the screen (outside the menu) to close the **Add Widgets** menu.



BASIC OPERATIONS

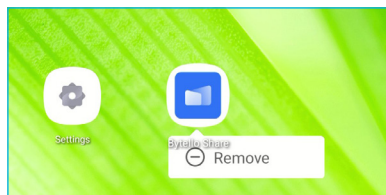
Creating an application shortcut

1. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
2. Drag the app icon to the storage area where you want to place it.



3. Touch anywhere on the screen (outside the current panel frame) to close the **Shortcut** panel.

Note: To remove an app shortcut, tap and hold the desired app icon. Then tap **Remove**.

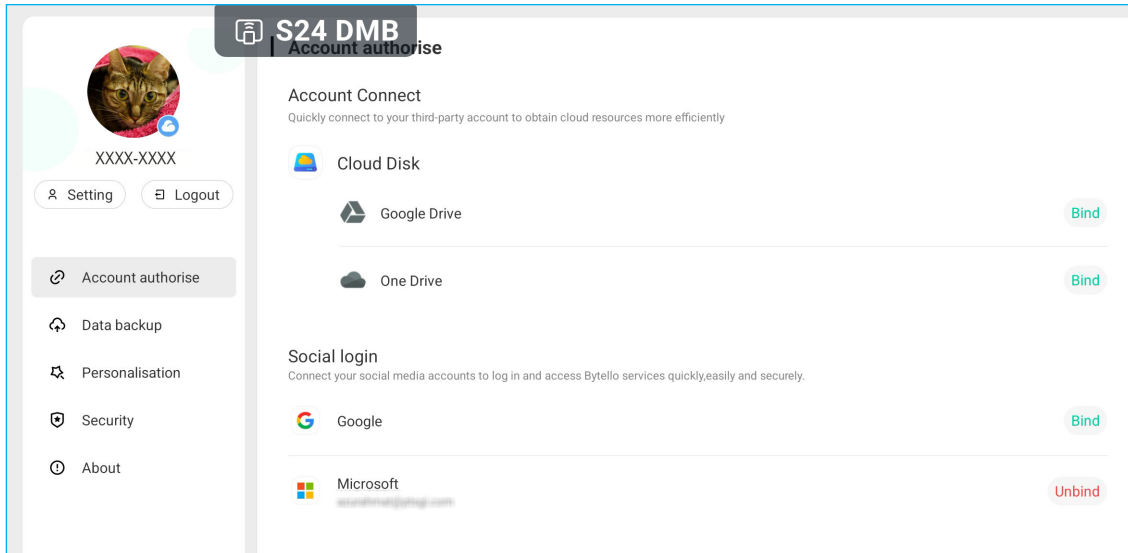


BASIC OPERATIONS

Configuring the System Settings

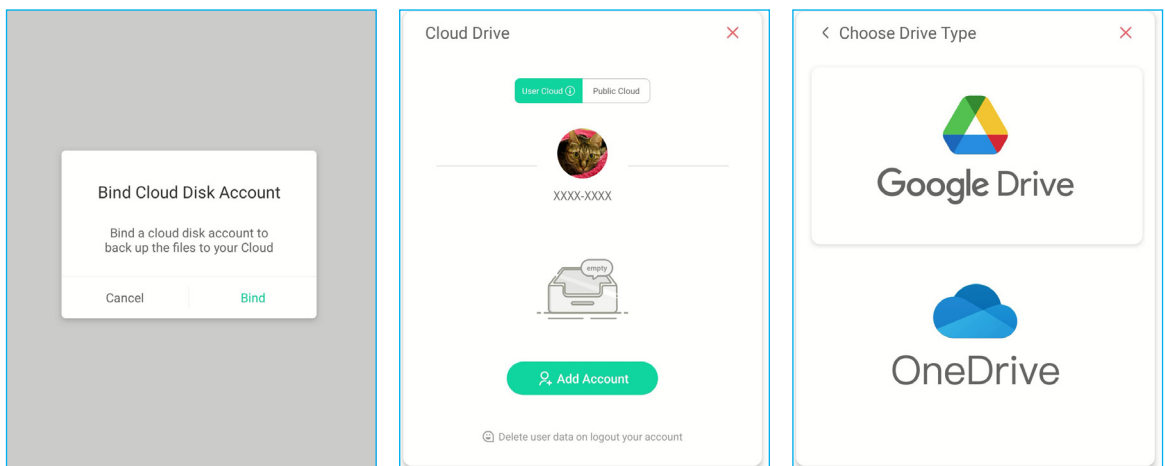
Customizing system preferences

1. Double-tap the account panel to open the Settings menu.



2. Tap any of the following option:
 - **Setting:** Manage your Bytello account including profile, security, integrations, and privacy settings.
 - **Account authorise:** Bind your account to quickly access the cloud storage or social media accounts.
 - **Data backup:** Enable this function to automatically back up the files to the cloud.

Note: To bind to the cloud storage, tap **Bind** > **Add Account**. Then select the drive type. Follow onscreen instructions to sign in to your existing account.

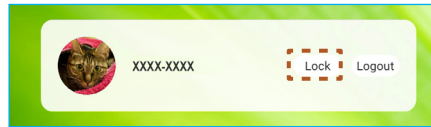


- **Personalisation:** Customize your own launcher.
- **Security:** Reset your Bytello account password and configure the screen lock.
- **About:** View the legal information, enable user experience plan, and quickly learn about the account functions.

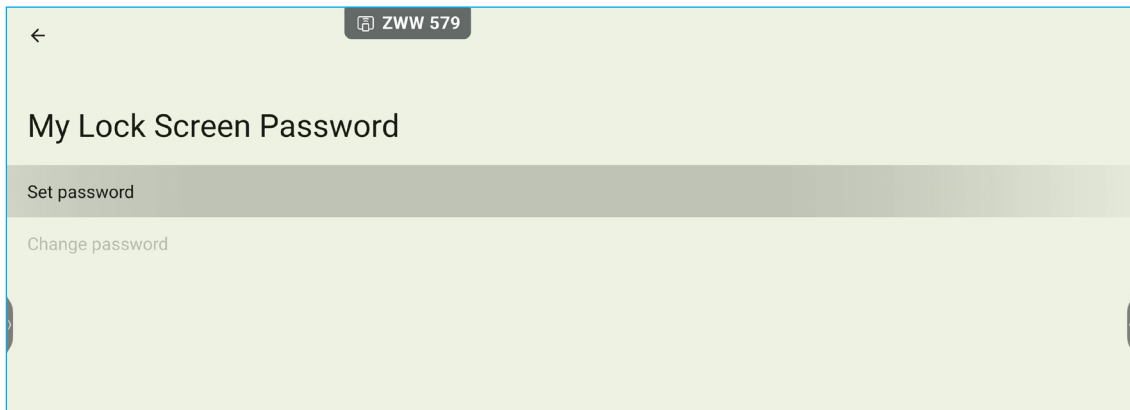
BASIC OPERATIONS

Configuring the screen lock

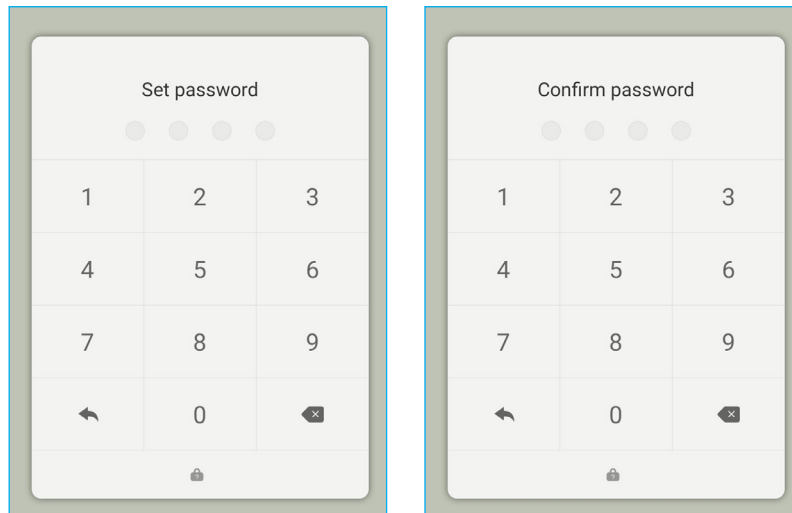
1. On the account panel, tap **Lock**.



2. Tap **Set password**.



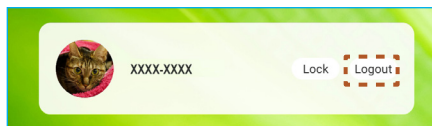
3. Set your password. Then confirm the password.



BASIC OPERATIONS

Account Logout


On the account panel, tap **Logout** to clean up all personal data in the device and restore to Public mode.

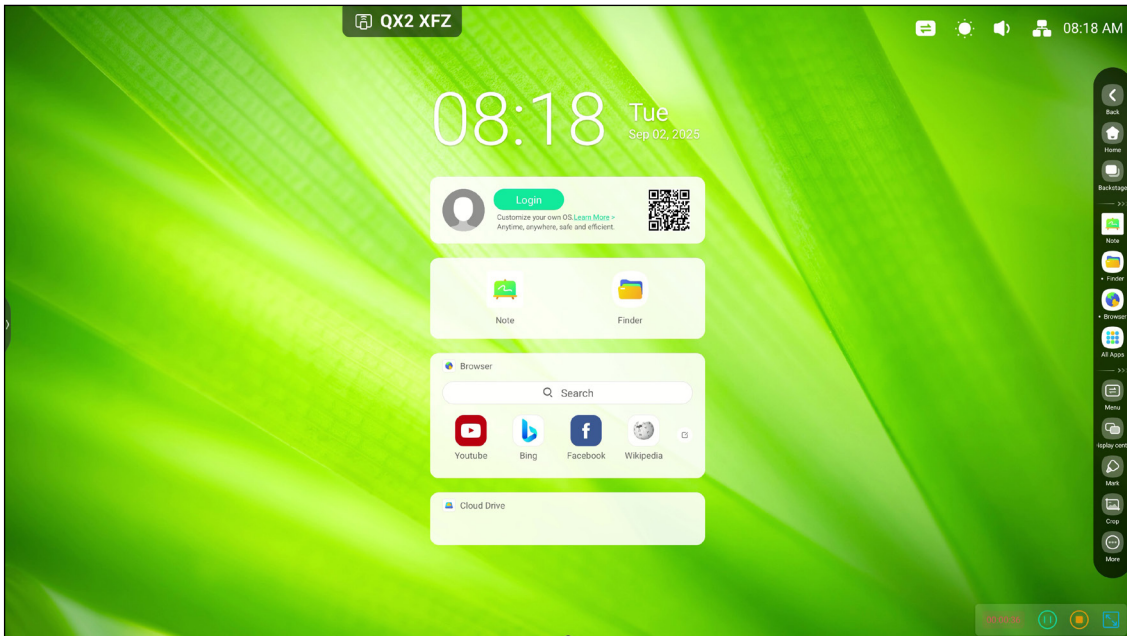



BASIC OPERATIONS

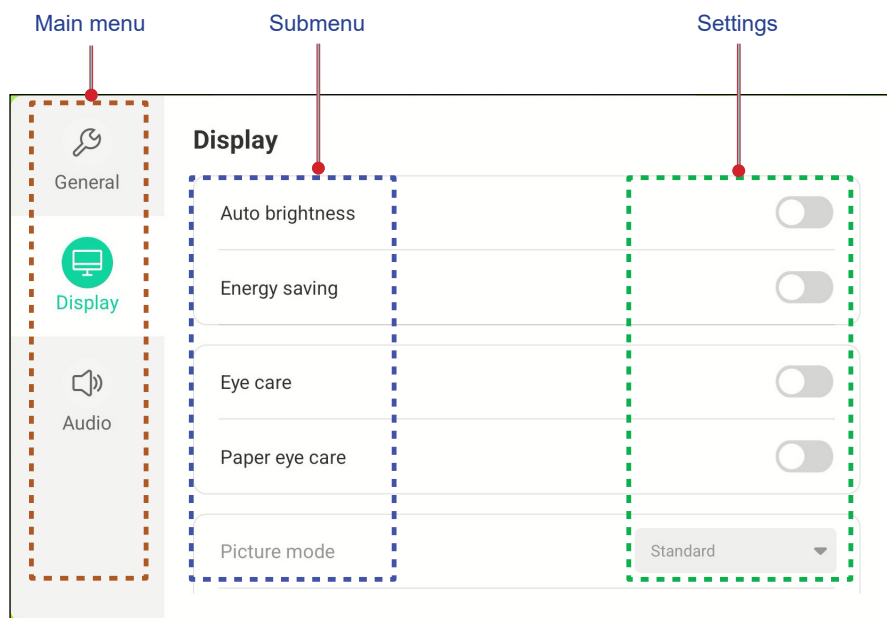
OSD Menu

To open the OSD menu, do any of the following:

- On any screen, open the toolbar. Then tap  to open the OSD menu.




- On the status bar, tap  to open the OSD menu.
- Press the **Menu** or **Input** button on the remote control.

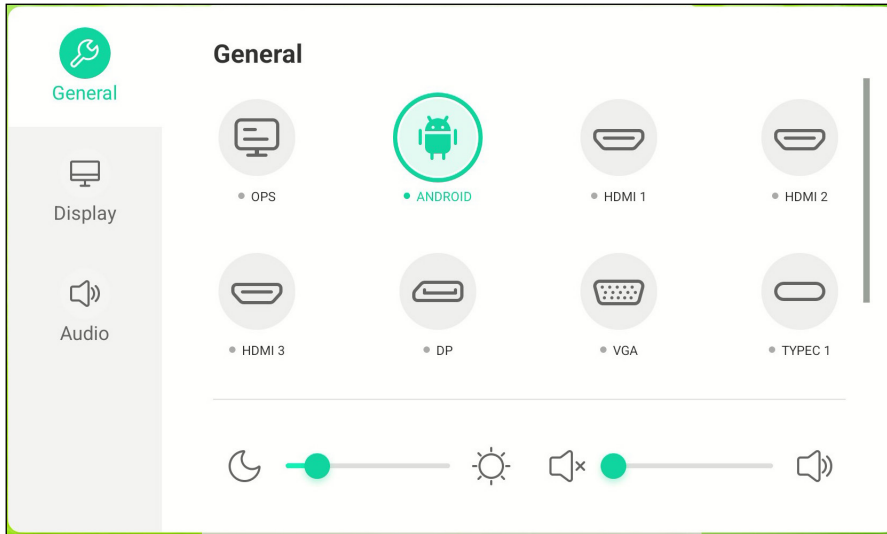



- To configure the OSD menu settings, simply touch the menu item on the screen and use the screen controls to adjust its value or set the setting.
- To close the OSD menu, touch anywhere on the screen outside the menu or press **Back** continuously (if necessary) on the remote control.

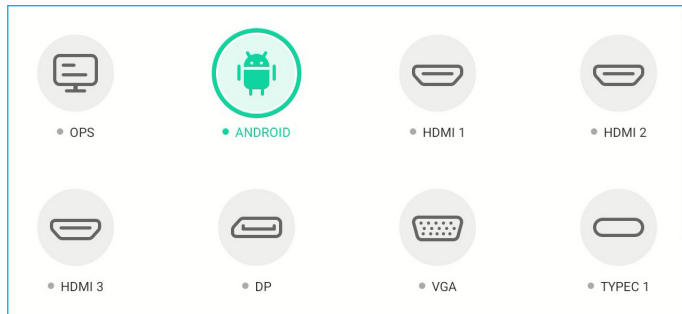
BASIC OPERATIONS

General Menu


General menu () is the first OSD menu. Complete the following steps:




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

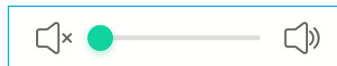


Note:

- For more information on making connections to external devices, refer to the “Connections” section.
 - The OPS option is only available if the PC module is properly installed into the OPS slot of the IFP.
- Drag the brightness slider bar to the right or to the left to adjust the screen brightness level.
- Note:** You can also adjust the brightness level by tapping  on the status bar.




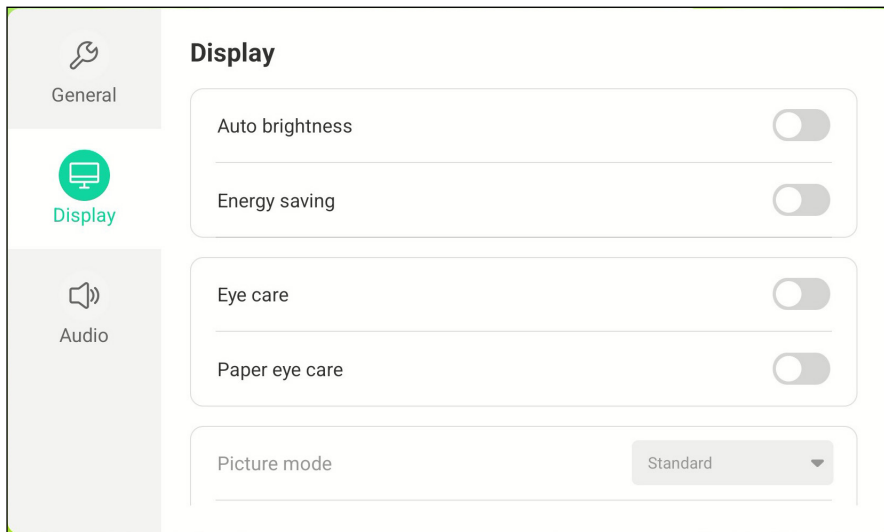
- Drag the volume slider bar to the right or to the left to adjust the volume level.
- Note:** You can also adjust the volume level by tapping  on the status bar.



BASIC OPERATIONS

Display Menu

In the OSD menu, tap  to open the Display menu, then complete the following steps:



- **Auto brightness:** Enable this function to allow the system automatically adjust the brightness level depending on the ambient light conditions.
- **Energy saving:** Enable or disable the power saving mode. When enabled, the screen will automatically turn off after 1 minute in low ambient brightness.
- **Eye care:** Enable or disable the blue light filter function. When enabled, the system will adjust the screen to a warm color tone to protect your eyes.

IMPORTANT!

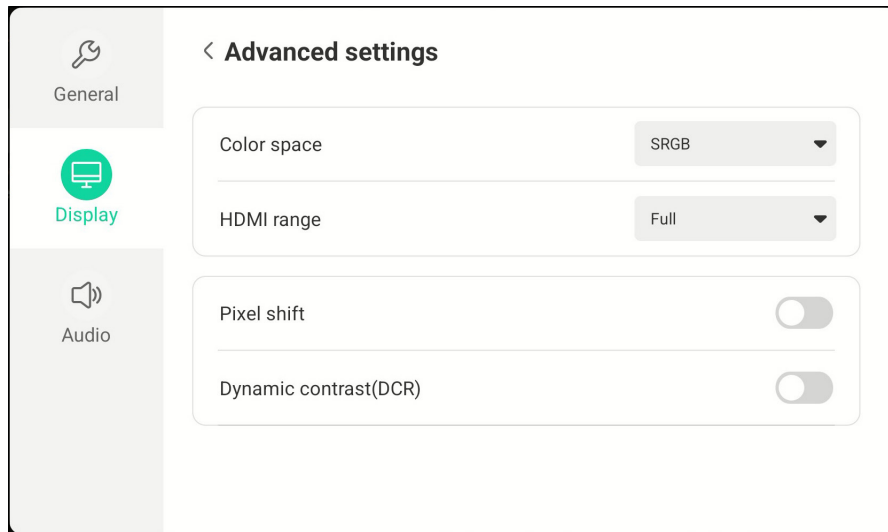
- *Studies have shown that just as the ultra-violet rays can cause eye damage, the shortwave-length blue light rays from displays can cause eyestrain, retina damage, and affect vision over time. Optoma Low Blue Light is an eye protection feature that can reduce the blue light.*
- *For protecting your eyes against prolonged display use, we highly recommend you to do the following:*
 - *Let your eyes rest for 10 minutes after 2 hours of continuous use.*
 - *Roll your eyes upward towards your eyebrows, and then roll your eyes in a large circle every few hours.*
 - *For every 20 minutes of display viewing, look into the distance for 20 seconds.*
 - *When your eyes get sore, close your eyes for a minute.*
- **Paper eye care:** Enable or disable the paper eye care function. When enabled, the system will adjust the screen to a warm color tone and display a paper-like texture.
- **Picture mode:** Select one of the available picture mode options: Standard, Bright, Soft, or Custom.

Note:

- *Image settings can only be adjusted in HDMI, DisplayPort, OPS, and Type-C input. It can't be adjusted and will be grayed-out in Android source.*
- *If the Picture mode setting is set to **Custom**, you can customize image settings according to your preference.*
- **Color Temperature:** Select one of the available color temperature options: Standard, Cold, Warm, or Custom.
Note: *If the Color Temperature setting is set to **Custom**, you can customize color temperature settings based on your preferences.*

BASIC OPERATIONS

- **Advanced settings:** Configure the advanced image settings.

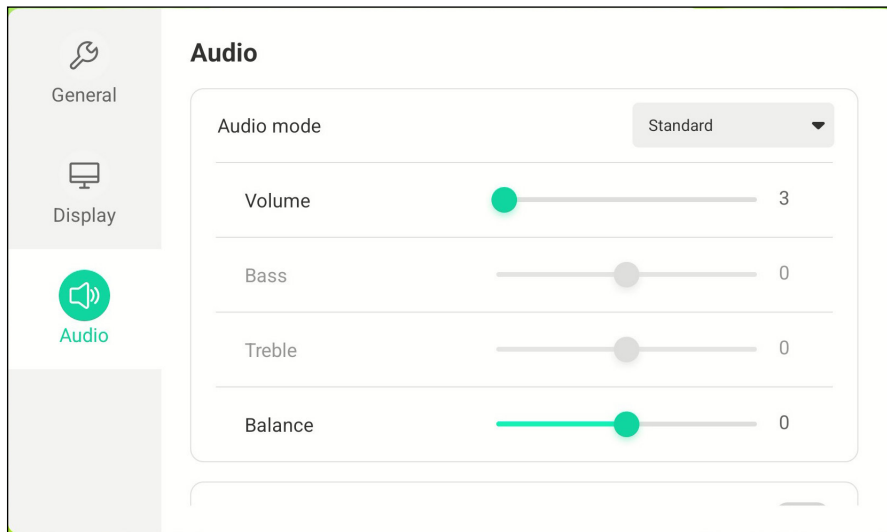



- **Color space:** Select an appropriate color matrix type.
- **HDMI range:** Select the HDMI range setting.
- **Pixel shift:** Enable or disable the pixel shift function.
Note:
 - *Pixel shift feature helps to prevent image retention.*
 - *Pixel shift is supported with all input sources except for Android.*
- **Dynamic contrast (DCR):** Enable or disable the DCR function. When enabled, it gives more depth to your image so that bright scenes appear crisp and clear, while dark scenes remain detailed with deep blacks and exceptional light and shade detail.

BASIC OPERATIONS

Audio Menu

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



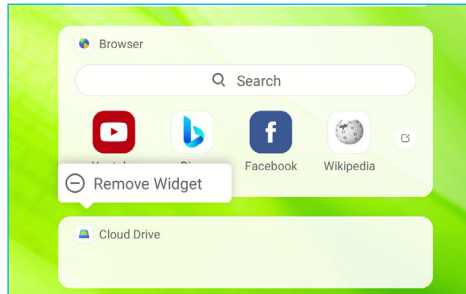
- **Audio mode:** Select one of the available audio mode options: Standard, Meeting, Class, or Custom.
Note: If the Audio mode setting is set to **Custom**, you can customize audio settings by adjusting the bass and treble level according to your preference.
- **Volume:** Adjust the volume level.
- **Bass:** Adjust the bass level that is suitable for your room.
Note: Bass level and treble level can be adjusted only if the Audio mode is set to **Custom**. In other sound effect modes, this parameter is preset and cannot be adjusted.
- **Treble:** Adjust the treble level that is suitable for your room.
- **Balance:** Adjust the sound balance level that is suitable for your room.
- **Mute:** Mute or unmute audio.
Note: You can also mute or unmute audio by pressing the  button on the remote control.

BASIC OPERATIONS

Widgets

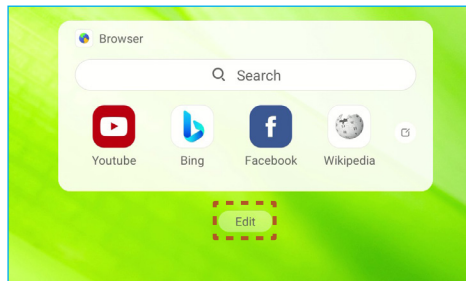
Remove a Widget

Tap and hold the widget panel. Then tap **Remove Widget**.

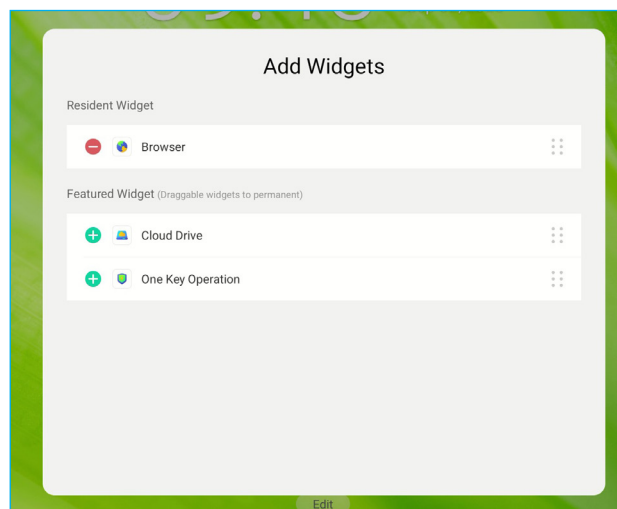


Add a Widget

1. Tap **Edit**.



2. Tap **+** to add the selected widget as a resident widget.

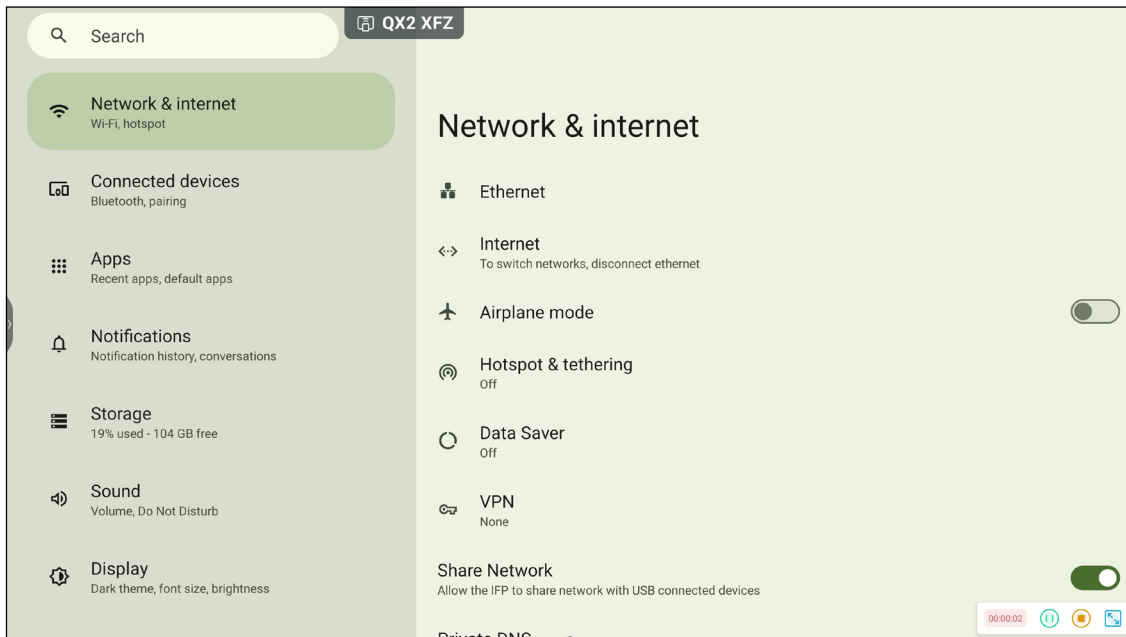


3. Touch anywhere on the screen (outside the menu) to close the **Add Widgets** menu.

BASIC OPERATIONS

Android Settings Menu

On any screen, open the toolbar, and then tap  to open the **All Apps** screen. Tap  to open **Settings** app.



Tap any of the following option:





- **Network & internet:** Configure the network related settings.
- **Connected devices:** Configure the connected devices settings.
- **Apps:** View the memory usage, permissions, and other information for each app.
- **Notifications:** Configure the device and app notifications settings.
- **Storage:** Manage your storage and view the storage status.
- **Sound:** Configure the sound related settings.
- **Display:** Configure the display related settings.
- **Wallpaper:** Set the wallpaper for the Homescreen.
- **Accessibility:** Configure various settings to enhance the device's accessibility.
- **Security:** Manage the device security settings.
- **Privacy:** View the privacy status and configure the privacy settings.
- **Location:** Configure the location information permissions settings.
- **Password & Accounts:** Manage the passwords, autofill, and accounts settings.
- **Advanced:** Configure the advanced settings including date format, country & region, public screen lock password, input & output, stylus, and more.
- **Administrator:** Activate Administrator Mode to manage device control, USB cloning, and security settings.
- **System:** Customize your system settings or reset the device.
- **About:** View the legal information, enable user experience plan, and quickly learn about the account functions.

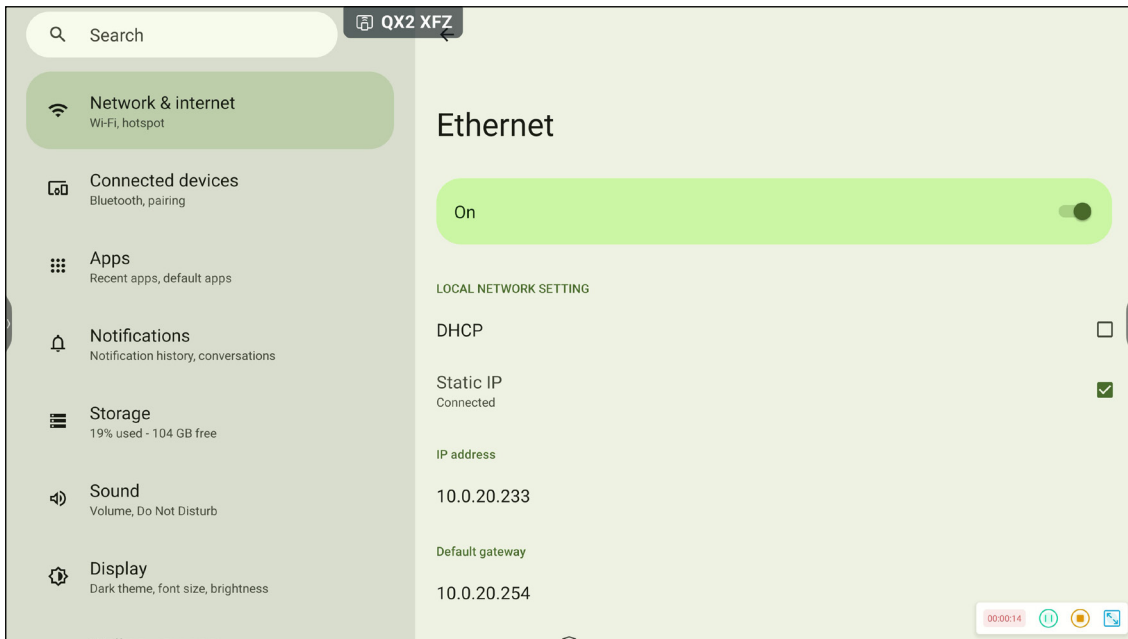
Note:

- *Settings can be modified only in Android mode.*
- *To configure Android settings, simply touch the menu item on the screen and use the screen controls to adjust its value or set the setting.*
- *To close the OSD menu, touch anywhere on the screen outside the menu or press **Back** continuously (if necessary) on the remote control.*
- *For more information, visit Google Help Center website.*

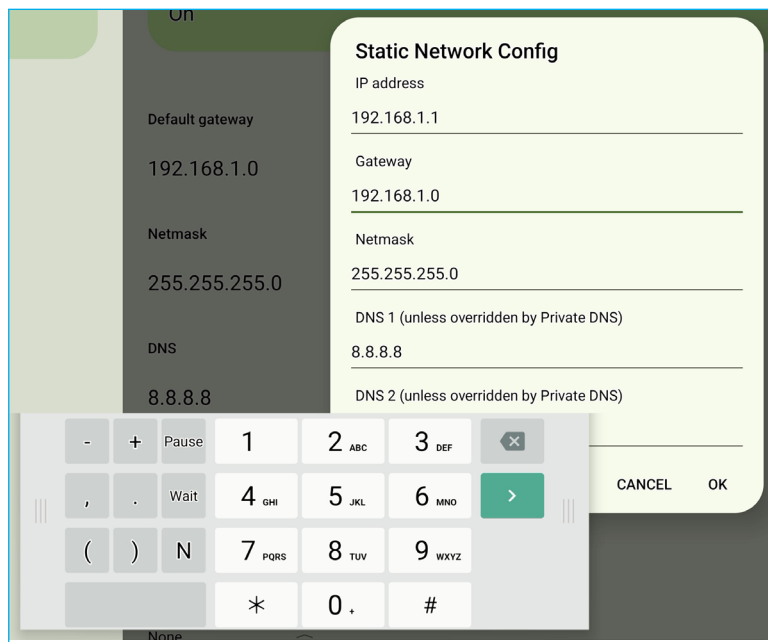
BASIC OPERATIONS

Configure the Wired Network Settings

1. Connect one end of the Ethernet cable to the LAN port of the device.
2. Connect the other end of the Ethernet cable to the router.
3. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
4. Tap  to open **Settings** app. Then tap **Network & internet > Ethernet**.
Note: You can also access this menu by tapping  or  on the status bar.
5. Slide the **Ethernet** switch to right to enable the wired network function.





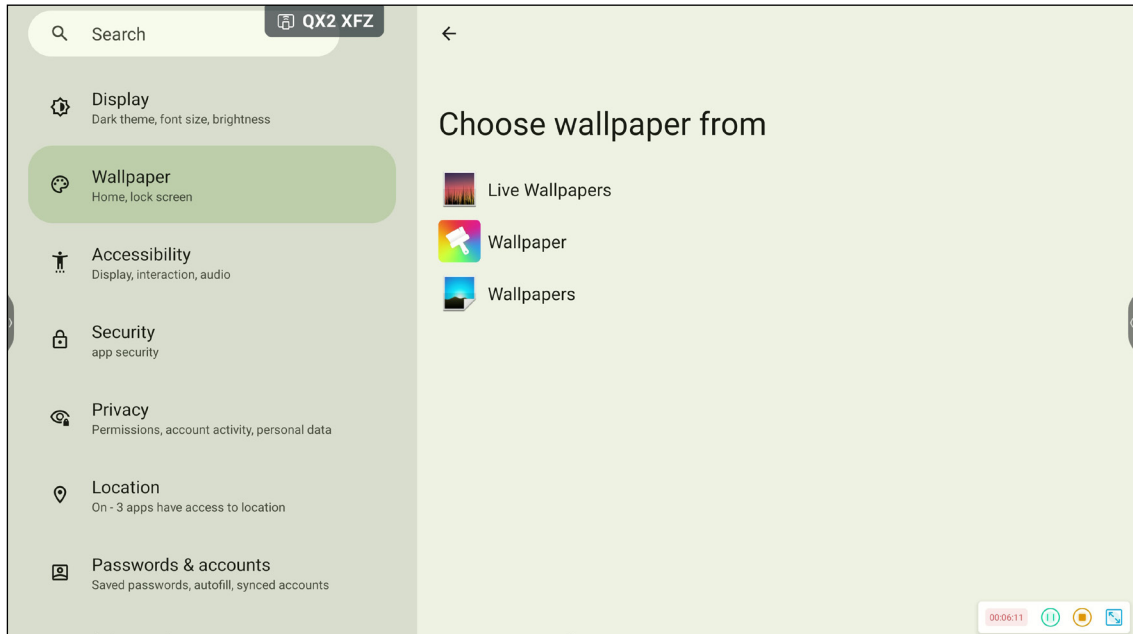
6. Configure the necessary network settings.
 - Select the DCHP checkbox to allow the device to obtain an IP address automatically from your network.
 - Select the Static IP checkbox to configure the IP address, gateway, netmask, and DNS parameters manually.



BASIC OPERATIONS

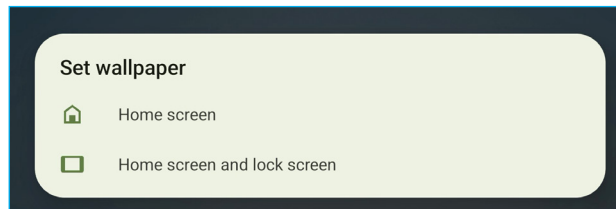
Set Your Wallpaper

1. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
2. Tap  to open the **Settings** app. Then tap **Wallpaper**.
3. Select your preferred wallpaper from the available options.





4. Tap **Set wallpaper**.

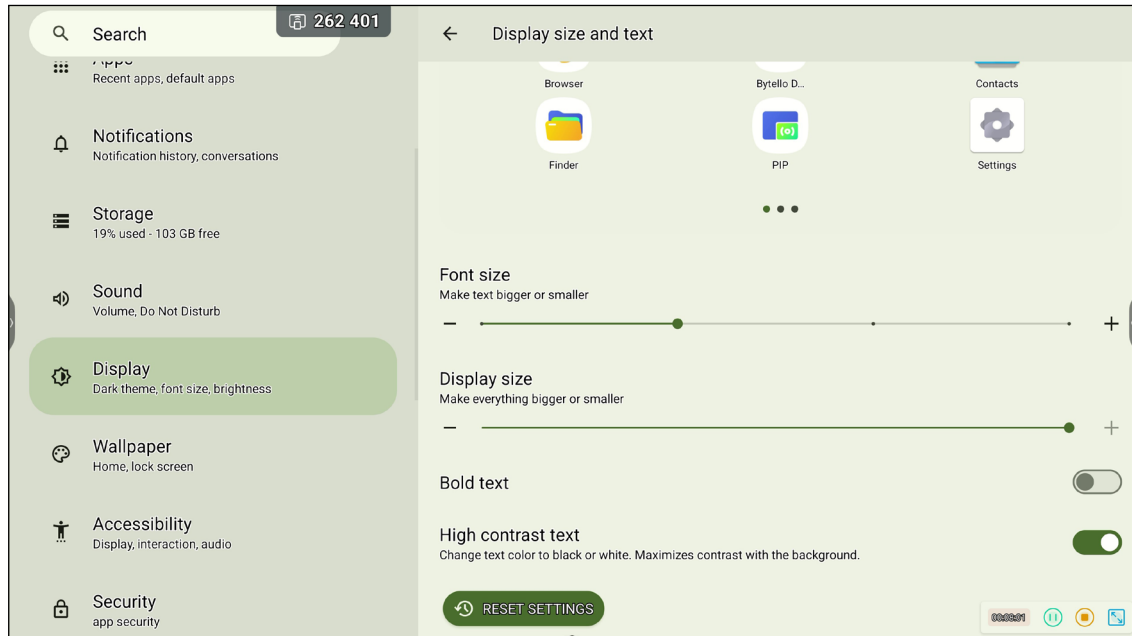
Note: For Live Wallpapers, you can choose to set the new wallpaper for just the Home Screen or for both the Home Screen and the Lock Screen.



BASIC OPERATIONS

Adjust the Display Size and Text



1. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
2. Tap  to open the **Settings** app. Then tap **Display > Display size and text**.

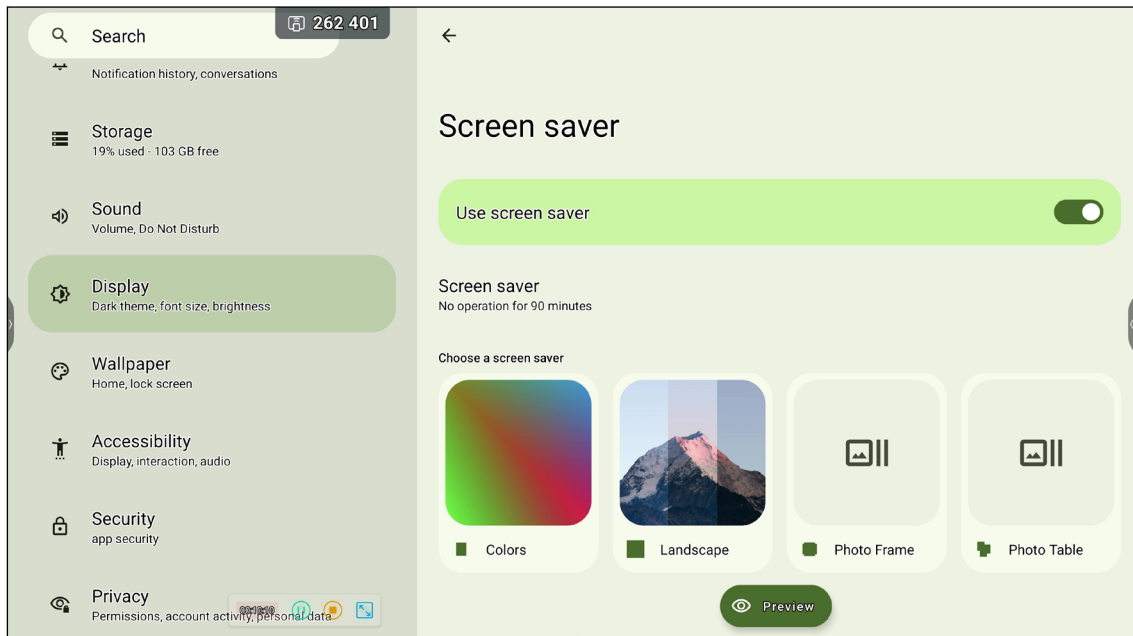


3. Configure the necessary settings.
 - Tap + or - to adjust the font or display size.
 - Slide the **Bold text** or **High contrast text** switch to right to enable the function.
4. Tap **RESET SETTINGS** to restore the default settings.

BASIC OPERATIONS

Set your Screen Saver



1. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
2. Tap  to open the **Settings** app. Then tap **Display > Screen saver**.
3. Slide the **Use screen saver** switch to right to enable the screen saver function.

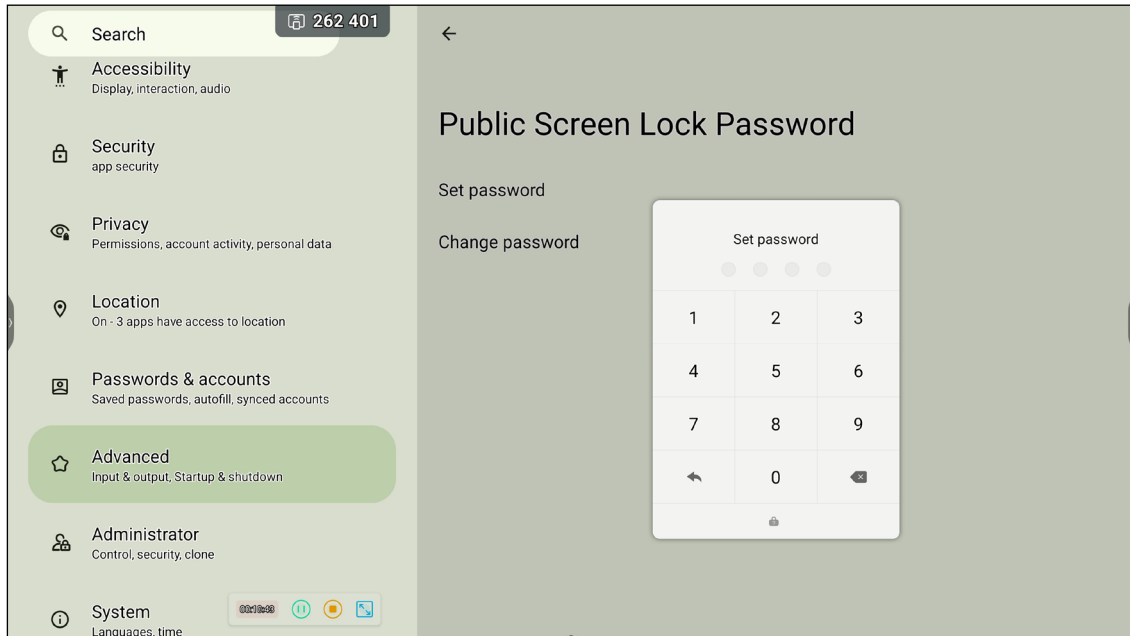


4. Select your preferred screen saver and configure the timeout duration.

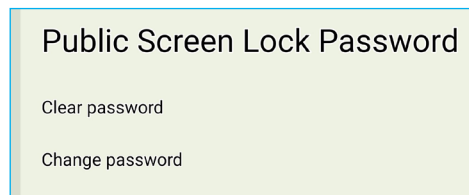
BASIC OPERATIONS

Set the Public Screen Lock

1. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
2. Tap  to open the **Settings** app. Then tap **Advanced > Public Screen Lock Password > Set password**.
3. Set your password. Then confirm the password.





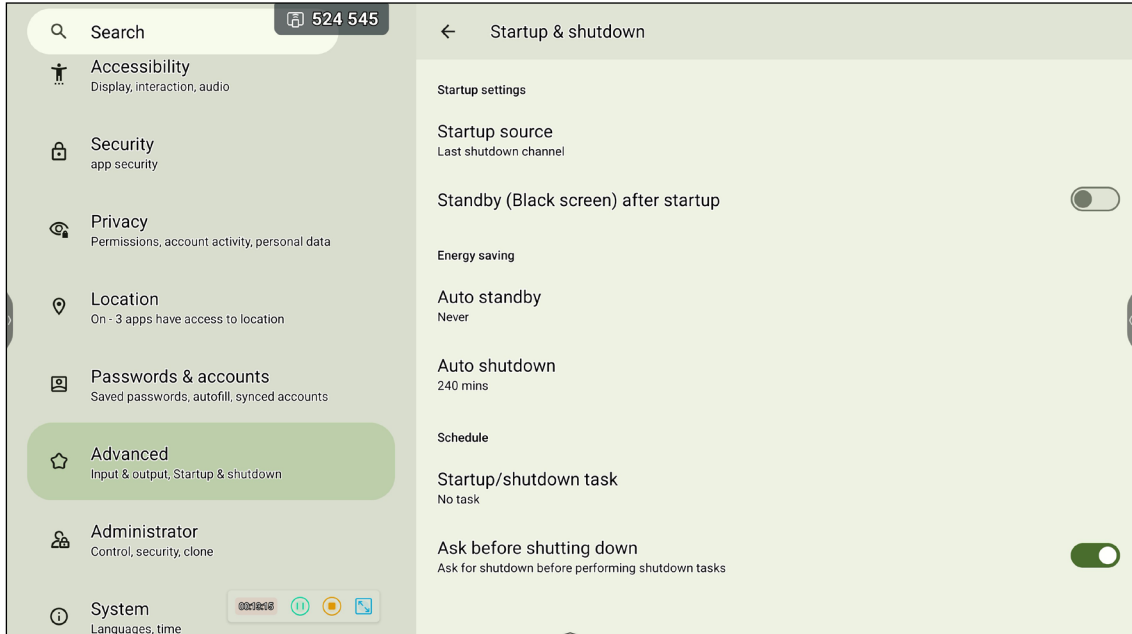
Note: After a password has been set, you can reset or change the password in the **Public Screen Lock Password** menu.



BASIC OPERATIONS

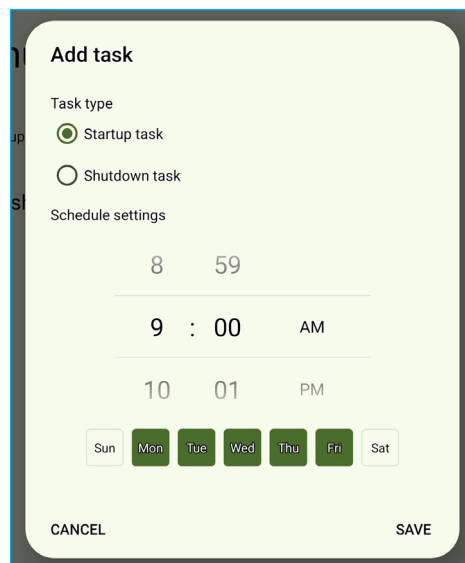
Set the Device Startup and Shutdown Settings

1. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
2. Tap  to open the **Settings** app. Then tap **Advanced > Startup & shutdown**.



3. Configure the necessary settings.
 - Tap **Startup source** to select one of the available startup input options.
 - Slide the **Standby (Black screen) after startup** switch to right to enable Standby after startup.
 - Tap **Auto standby** to enable the system to automatically enter Standby mode after a set period of inactivity.
 - Tap **Auto shutdown** to enable the system to automatically power off after a set period of inactivity.
 - Tap **Startup/shutdowns task** to set a startup and shutdown timer.



Note: To create a schedule, tap **Add startup/shutdown task**. Then select the task type and set the schedule settings. Tap **SAVE** to save the settings.

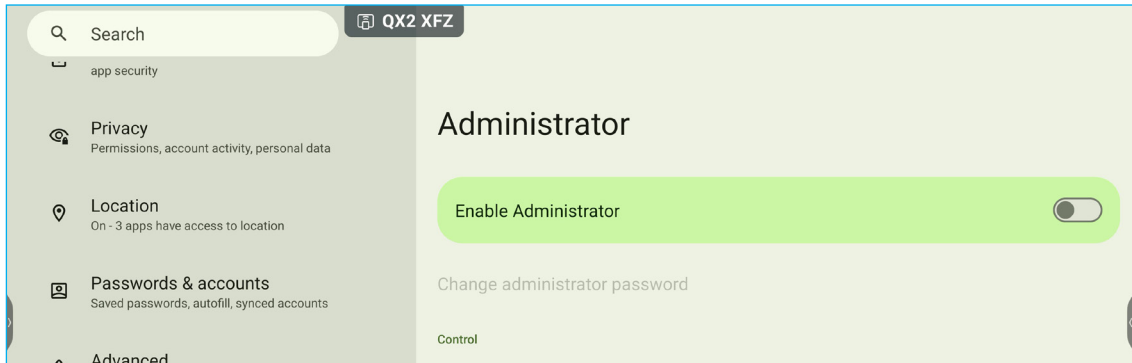


- Slide the **Ask before shutting down** switch to right to activate the shutdown reminder before turning off the device.

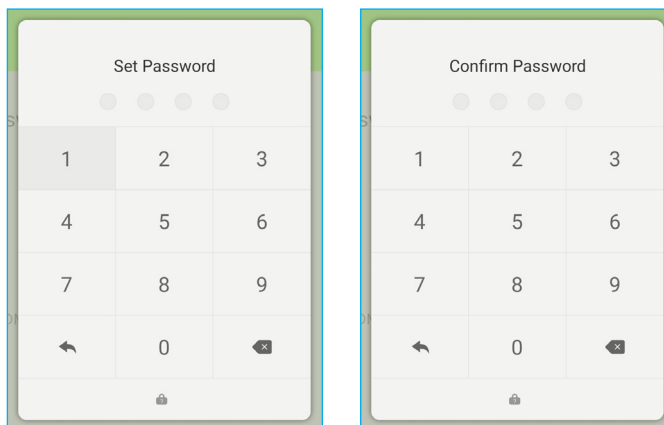
BASIC OPERATIONS

Enable Administrator

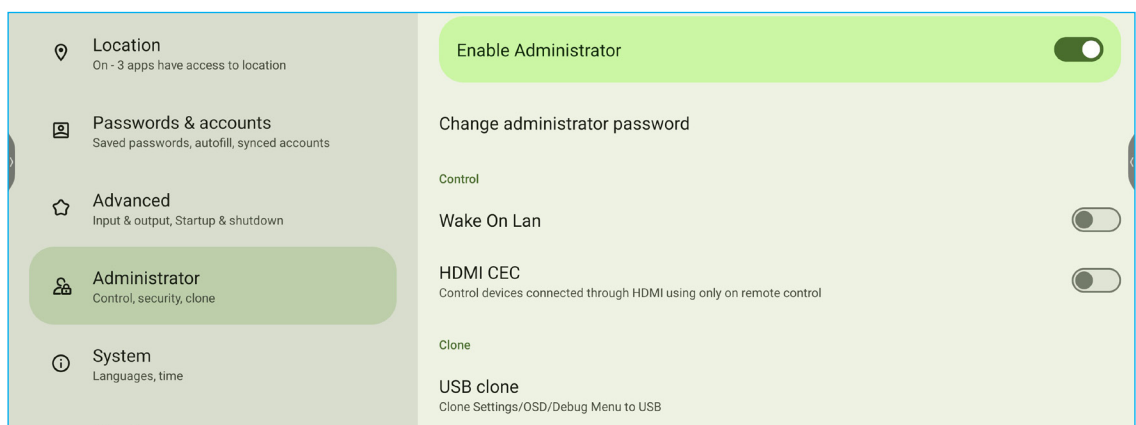
1. On any screen, open the toolbar. Then tap  to open the **All Apps** screen.
2. Tap  to open the **Settings** app. Then tap **Administrator**.



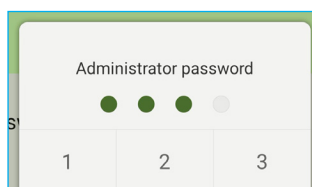
3. Slide the **Enable Administrator** switch to right to enable the function.
4. Set the password by entering a 4-digit password twice at the prompt.



Then you can access the Control, Clone, Startup, and Security menu options. Make the necessary configurations.



Note: Once the administrator password is set, you will need to enter the password at the prompt to access the Administrator menu options.















BASIC OPERATIONS

Toolbar


Tap >/</^ on the left, right, or bottom side of the screen to open the toolbar.







- To hide the toolbar, touch anywhere on the screen outside the Toolbar.
- To return to the previous screen, tap .
- To return to the Home screen, tap .
- To view recent or open tasks and apps, tap . For more information, refer to the “Viewing Recent Tasks” section.
- To open **Notes**, tap . For more information, refer to the “Notes” section.
- To open **Finder**, tap . For more information, refer to the “Finder” section.
- To open **Browser**, tap .
- To open **All Apps** screen, tap .
- To access the OSD menu, tap . For more information, refer to the “OSD Menu” section.
- To connect to a secondary display, tap .
- **Note:** Ensure to connect the other display to the HDMI out port on the IFP first, and then configure the display settings.
- To open the annotation app, tap . For more information, refer to the “Annotation Tool” section.
- To open the screen capture tool, tap . For more information, refer to the “Screen Capture Tool” section.
- To open more tools, tap .

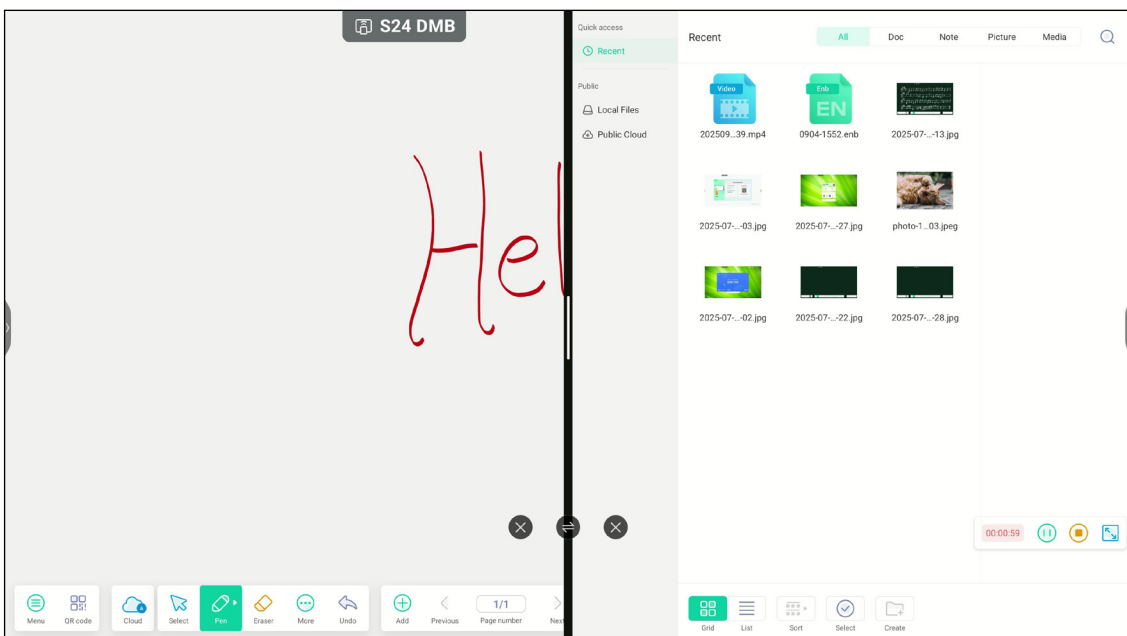
BASIC OPERATIONS

Viewing Recent Tasks

On the toolbar, tap  to view and manage all opened apps.




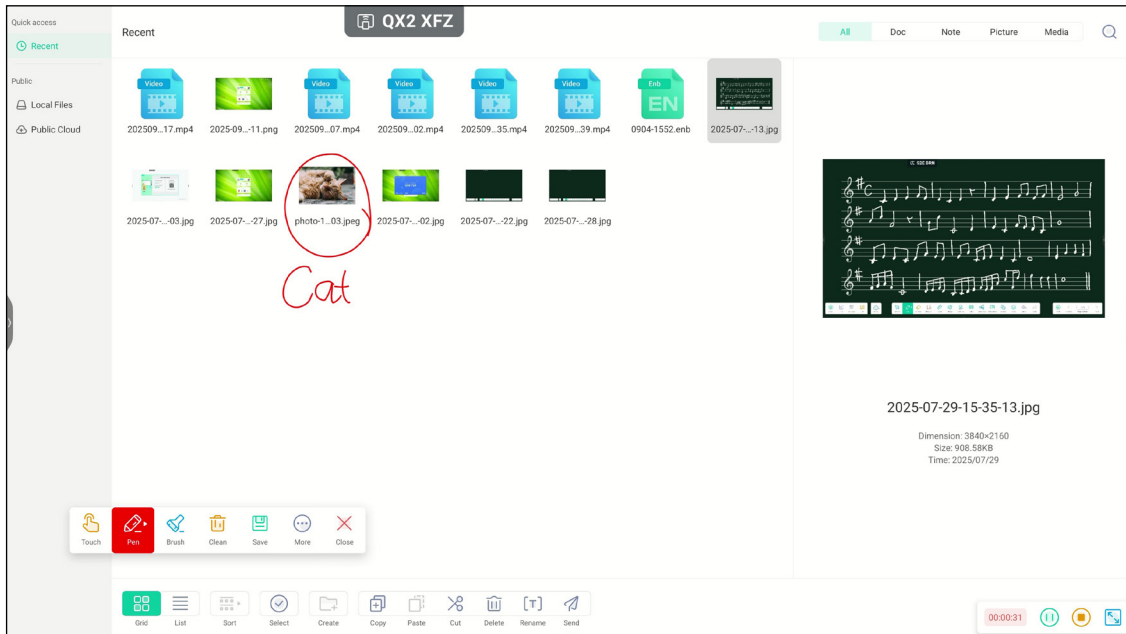
- Tap on the app you want to launch.
- To close the app, tap .
- To clear the list, tap **Clean All**.
- Tap  to view two apps in a split screen. Then select one app first, and then select the second app.
 - To switch the screen, tap .
 - To exit the split screen mode, tap .




BASIC OPERATIONS



Annotation Tool

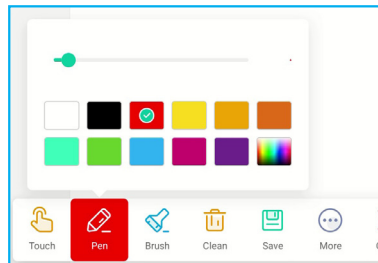
On the toolbar, tap  to open the annotation tool.
















In this mode, you can do the following:

- Tap  to write and draw on the screen.


Note: You can change the pen color and thickness by clicking the  icon next to the Pen .

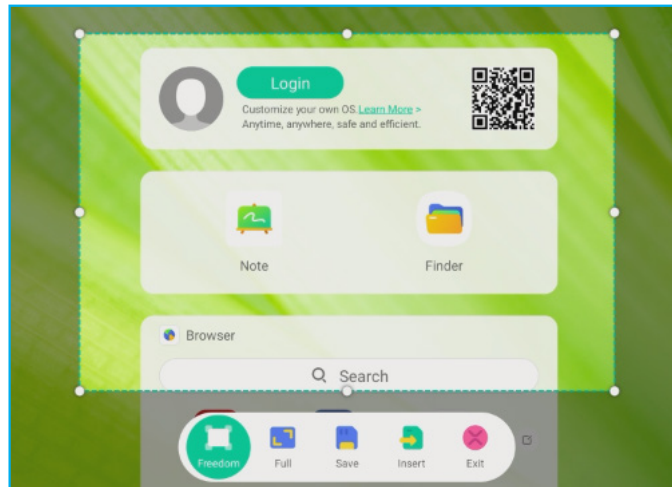


- Tap  to erase areas of your written texts or drawings on the screen.
- Tap  to erase all annotations on the screen.
- Tap  to capture a screenshot of the entire screen and save the file.
- Tap  >  to open **Finder** app.
- Tap  >  to insert the drawing to **Note** app.
- Tap  >  to share the drawing to other wireless devices.
- Tap  >  to save the drawing to your cloud storage.
- Tap  to switch to the touch function.
- Tap  to exit the annotation mode.






BASIC OPERATIONS

Screen Capture Tool

On the toolbar, tap  to open the screen capture tool.



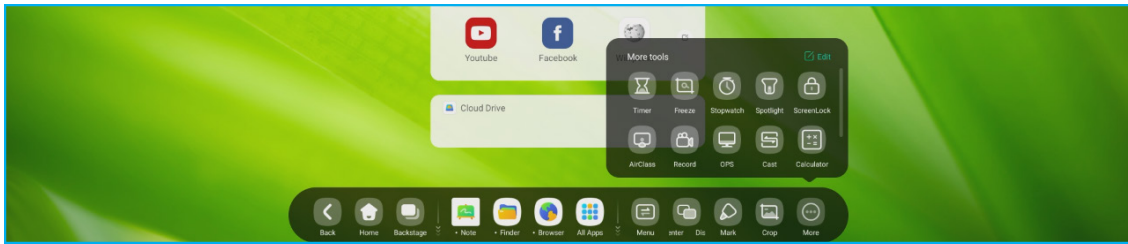
To capture the screen, do the following:













1. Tap either  or  to manually select the area or to capture the entire screen respectively.
2. Tap  to save the screenshot or tap  to insert the screenshot directly to **Note** app.
3. Tap  to exit the tool.




BASIC OPERATIONS

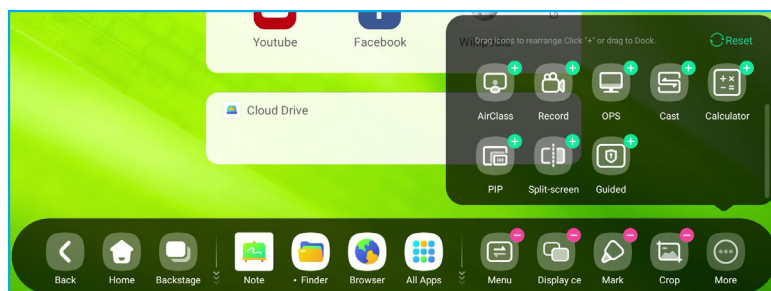
More Tools

On the toolbar, tap  to access more tools.



- Tap  to use the timer function.
- Tap  to temporarily freeze the screen. For more information, refer to the “Screen Freezing” section.
- Tap  to use the stopwatch function.
- Tap  to activate the spotlight function. This function can be used to direct the audience’s focus to a specific part of the board.
- Tap  to lock the screen. If the screen lock password is not set, you are prompted to set the password. Follow the onscreen instructions to complete the procedure.
- Tap  to open **AirClass**. For more information, refer to the “AirClass” section.
- Tap  to use the screen recording function. For more information, refer to the “Screen Recording” section.
- Tap  to switch to **OPS** input source.
- Tap  to open the on-screen calculator.
- Tap  to switch to the **PIP** mode. For more information, refer to the “PIP Mode” section.
- Tap  to use the split screen function. For more information, refer to the “Viewing Recent Tasks” section.
- Tap  to disable screen touch or prohibit quitting the app after locking.

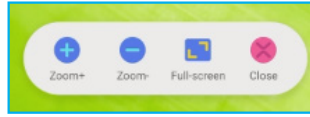
Note: To customize More tools icons in the toolbar, tap  ⇒ **Edit**. Then tap  next to the icon you want to remove from the toolbar and tap  next to the icon you want to add to the toolbar. You can add up to 4 icons to the toolbar.







BASIC OPERATIONS

Screen Freezing

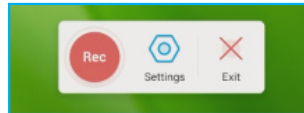
When your screen is “frozen”, you can do the following:







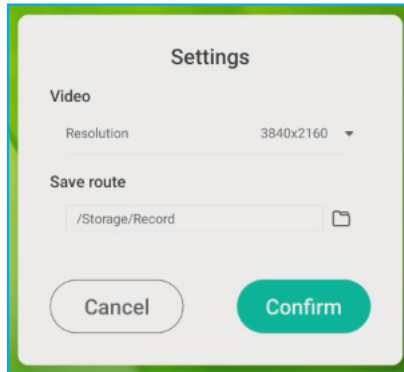
- Tap  to zoom in or tap  to zoom out.
- To restore the screen to its original size, tap .
- To exit the tool, tap .




Screen Recording

To record video from the panel's screen, you can do the following:



- Tap  to start recording the screen. While recording, tap  to pause recording or tap  to stop recording.
- Tap  to configure the recording related settings such as the video resolution and storage path. Then select **Confirm** to save the settings.



- Tap  to expand the recording panel. Tap  to restore the panel to its original size.
- Tap  to close the recording tool.

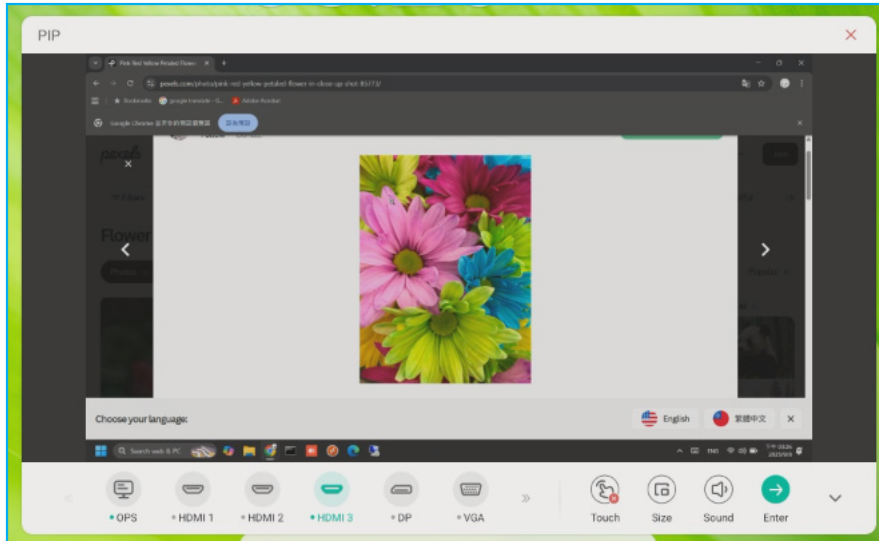
BASIC OPERATIONS

PIP Mode






In PIP mode, you can display two sources on the screen simultaneously. You can position the floating window (secondary input source) anywhere on the screen.

Note:

- Before selecting the PIP mode, make sure the other source is already connected to the panel.
- The PIP mode can only be initiated from the Android Home screen.



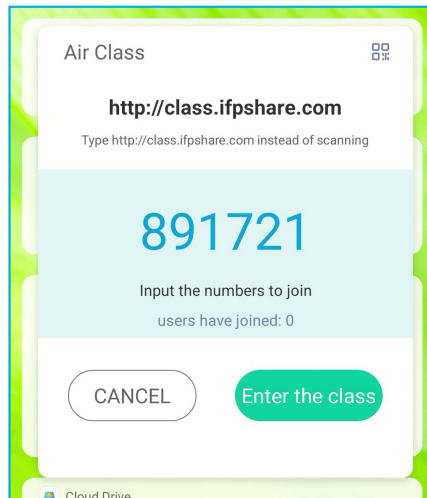
Select any of the following:


- Select the second source that you want to display on the floating window.
- Tap  to enable/disable touchback.
- Tap  to select the second source window size. The available options: Large, Medium, or Small.
- Tap  to adjust the second source sound.
- Tap  to close the PIP mode and switch to the second source.
- Tap  to close the PIP mode and display the primary source only.

BASIC OPERATIONS

AirClass

When you open **AirClass**, the online classroom access code and URL will be displayed on the screen.



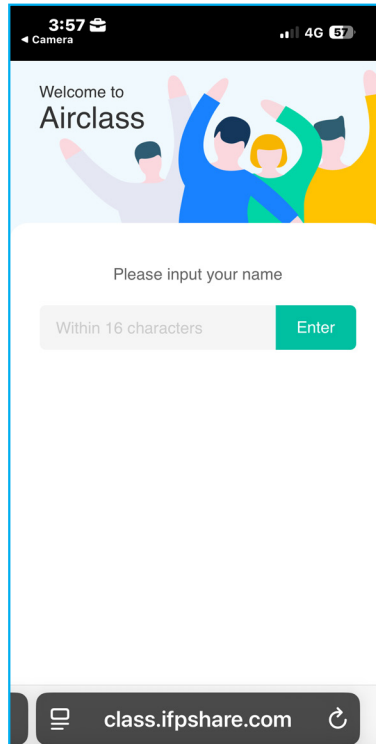
Note: To display the connection QR code, tap .



BASIC OPERATIONS

To join the virtual classroom remotely, do the following:

1. Scan the access QR code using your mobile device. Then enter your name and tap **Enter** to join the class.




Note: As alternative, open the classroom URL in a web browser. Then enter the access code to join the online classroom.

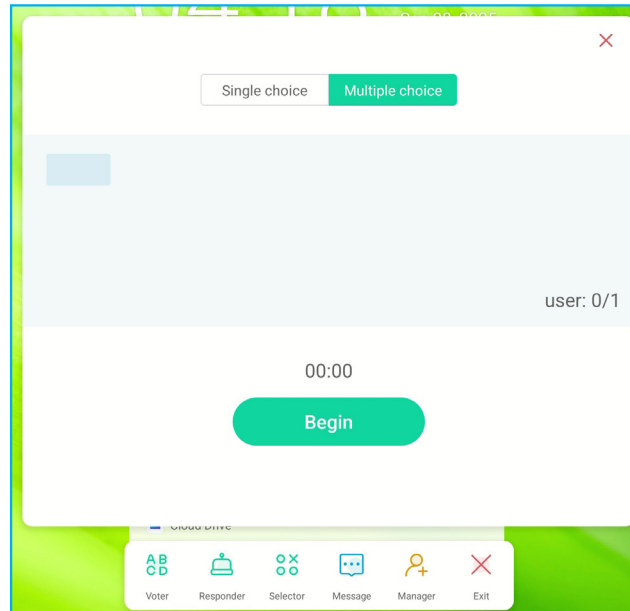
2. On the IFP, tap **Enter the class** to start the class session.

BASIC OPERATIONS

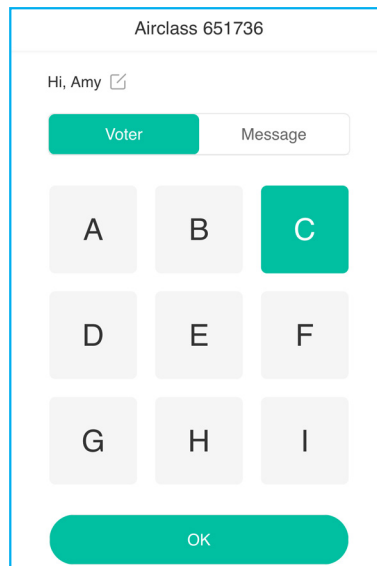
Click any of the following on the **AirClass** screen:

a. Voter

1. Tap  to start the voting activity.
2. Select **Single choice** or **Multiple choice** to define the answer type.
3. Tap **Begin** to start and allow participants to answer the question.

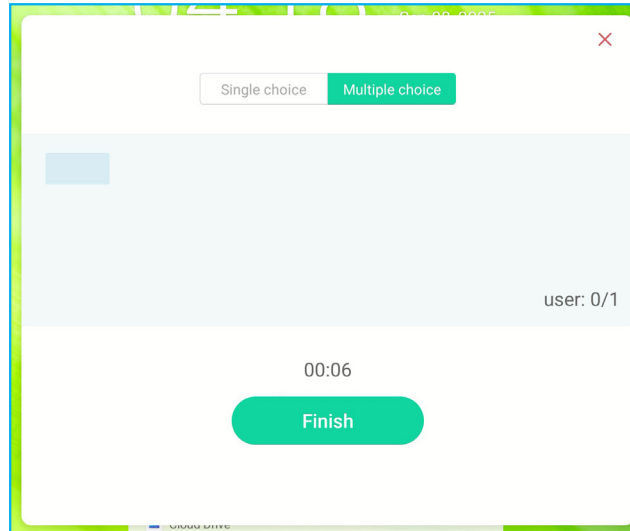


4. Participants can respond by selecting the answer on the mobile device screen and tap **OK**.

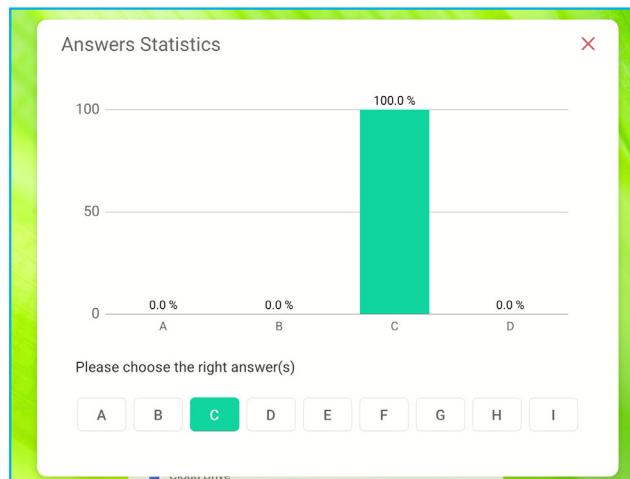


BASIC OPERATIONS

- To close the answering session, tap **Finish**. The answer statistics will be displayed on the screen.




- Tap the right answer(s) on the statistics screen.

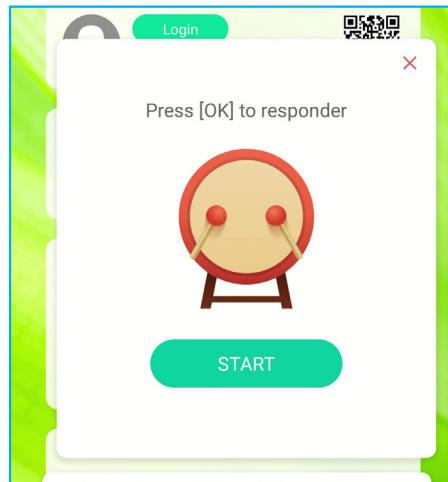


- Tap **X** to close the Answer statistics page.

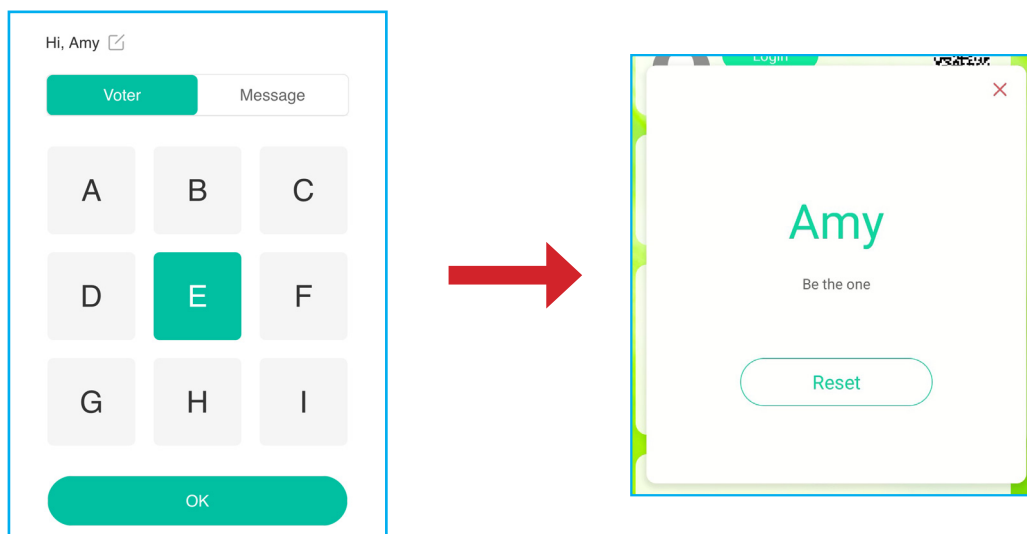
BASIC OPERATIONS

b. Responder

1. Tap  to enter the Responder mode. Then tap **START** to start the answering mode.




2. When the function is activated, the person who taps **OK** first will get the right to answer. For example, if Amy selects the answer and taps **OK** first, then she will get the right to answer the question.

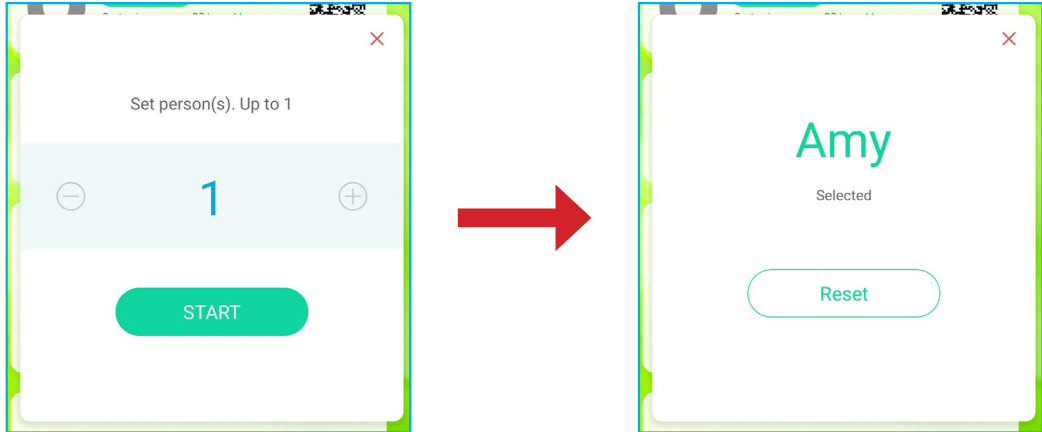


- Tap **Reset** to start the answering mode again.

BASIC OPERATIONS

c. Selector



Tap  to enter the selector mode. Select the number of person(s) whom will be selected. Then tap **START**. The result is displayed on the screen.

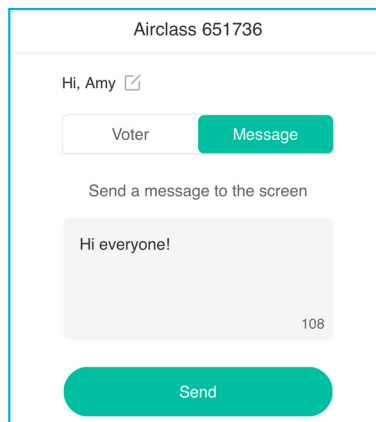


- Click **Reset** to select again.

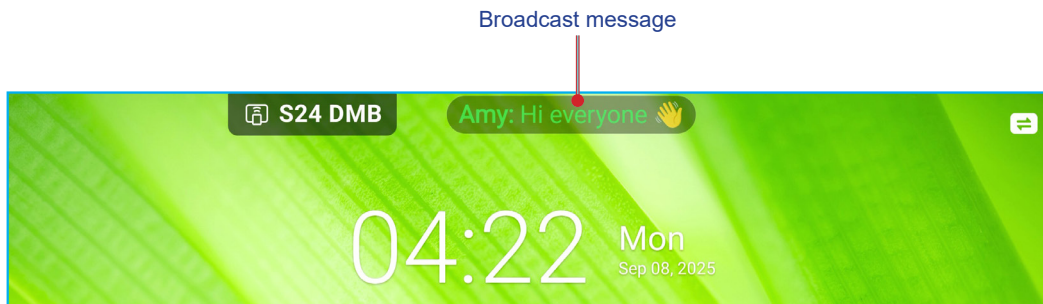
d. Message

On the mobile device, tap **Message** to switch to the Message screen. Then enter your message in the comment text box and tap **Send**.



Note: Make sure the message function is enabled ( ⇒ .



The broadcast message will appear on the screen.



Note:

- Tap  to display the class access code, URL, QR code and allow more participants to join the class.
- Tap  to exit **AirClass**. Then select **EXIT** at the prompt. All classroom users will be logged off.

USING THE APPS

On the toolbar, tap  to open the **All Apps** screen. Tap the desired app to launch it.



IMPORTANT! *Third-party Android apps can vary in quality and some may 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 interactive flat panel. 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 interactive flat panel. 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.*

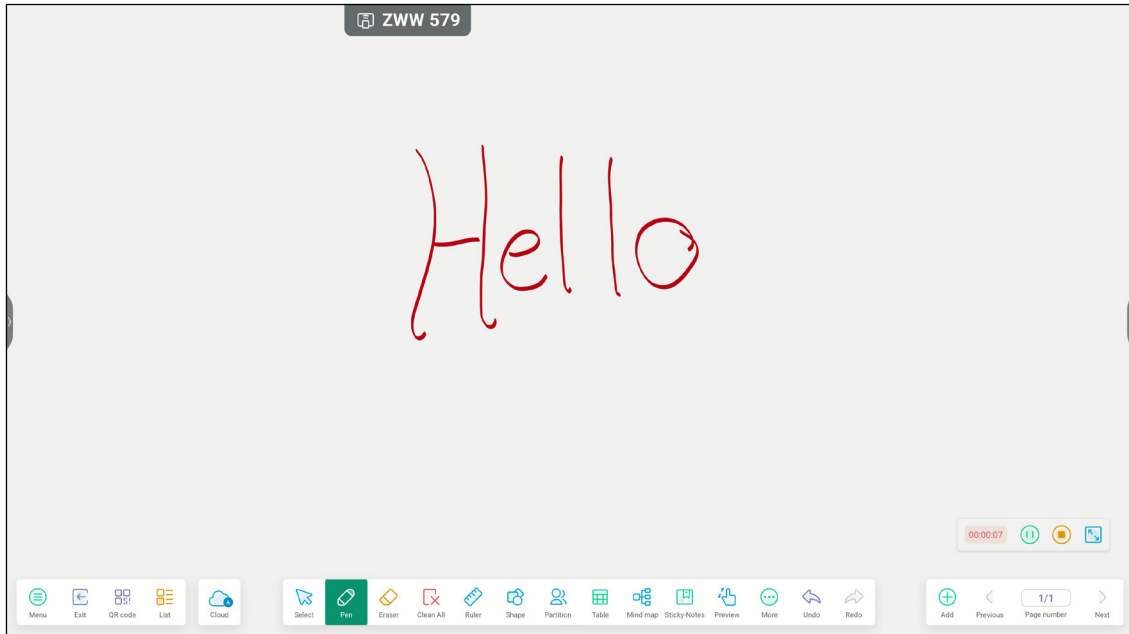
USING THE APPS

Note





On the toolbar, tap  to open **Note** app.

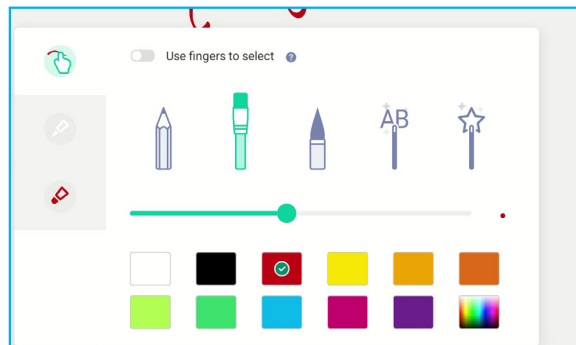
Note: You can also access the app from the Home screen or the **All Apps** screen.



Select any of the following:

- Tap  to write or draw a freeform line.


Note: You can change the pen type and colors by tapping the  icon next to the **Pen**.

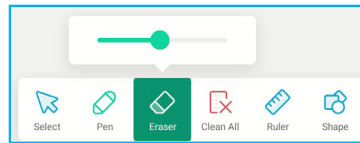




- Tap  to select an object on the whiteboard. Tap any of the tool icons to modify the selected area.

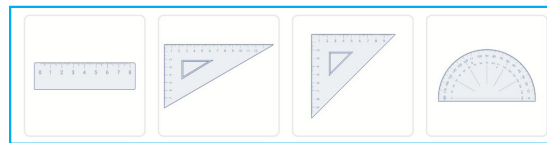



USING THE APPS

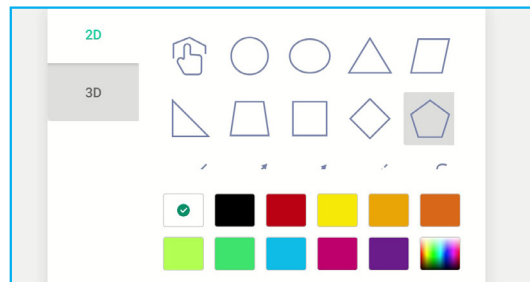
- Tap  to erase areas of your written texts or drawings. Select the eraser size and drag your fingers over the area you want to delete.

















- Tap  to delete all the current page's contents.
- Tap  to add a ruler or protractor to the whiteboard. Use a ruler to measure distances and draw lines, or use a protractor to measure and draw angles.



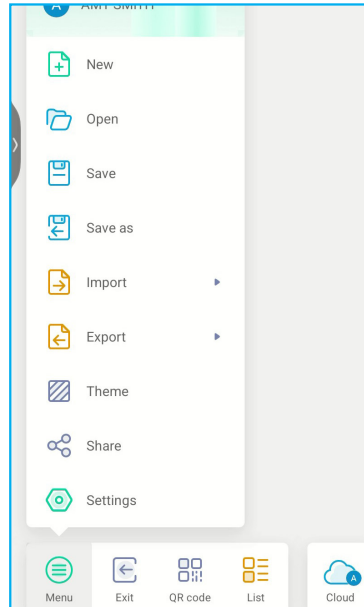
- Tap  to draw a geometric shape. Tap to select the desired 2D or 3D shape with several color options.




- Tap  to add a partition to the whiteboard. Each user has their own space for writing and drawing.
Note: You can add up to four partitions.
- Tap  to add a table to the whiteboard. Select the appropriate row and column, and then tap **Insert** to insert the table.
- Tap  to add a mind map to the whiteboard. Enter text to the node, and then drag it to the desired position.
- Tap  to add a sticky note to the whiteboard.
- Tap  to preview the current whiteboard content.
- Tap  to access more tools such as adding a grid and planet background, applying a mathematical formula, playing games, and executing a search.
- Tap  to undo your last action.
- Tap  to redo your last action.
- Tap  to add a page.
- Tap  to go to the next page.
- Tap  to go to the previous page.
- Tap  to save the whiteboard content directly to a cloud storage.
- Tap  to view the list of whiteboard files that have been created and saved.
- Tap  to create a QR code for sharing the whiteboard content.

USING THE APPS

- Tap  to access a menu of tools for saving and sharing file, set the theme, and configuring other settings.



- **New:** Create a new whiteboard session.
 - **Open:** Open a saved whiteboard session.
 - **Save/Save as:** Save/save as the whiteboard session (in *.enb format).
 - **Import:** Import a file. Supported file formats are IMG, PDF, SVG, IWB, VIDEO, NOTEBOOK, and FLIPCHART.
 - **Export:** Export the session as IMG, PDF, SVG, or IWB file.
 - **Theme:** Add a template or a background image to the whiteboard, or change the background color.
 - **Share:** Share the file to other devices via email, bluetooth, or printing.
 - **Settings:** Configure the eraser mode, enable palm rejection, enable multi-finger writing, enable the draw circle function for selection, and enable automatic brightness function when writing, customize the toolbar, set handwriting recognition language, and manage translation language.
- Tap  to exit **Note** app.

USING THE APPS

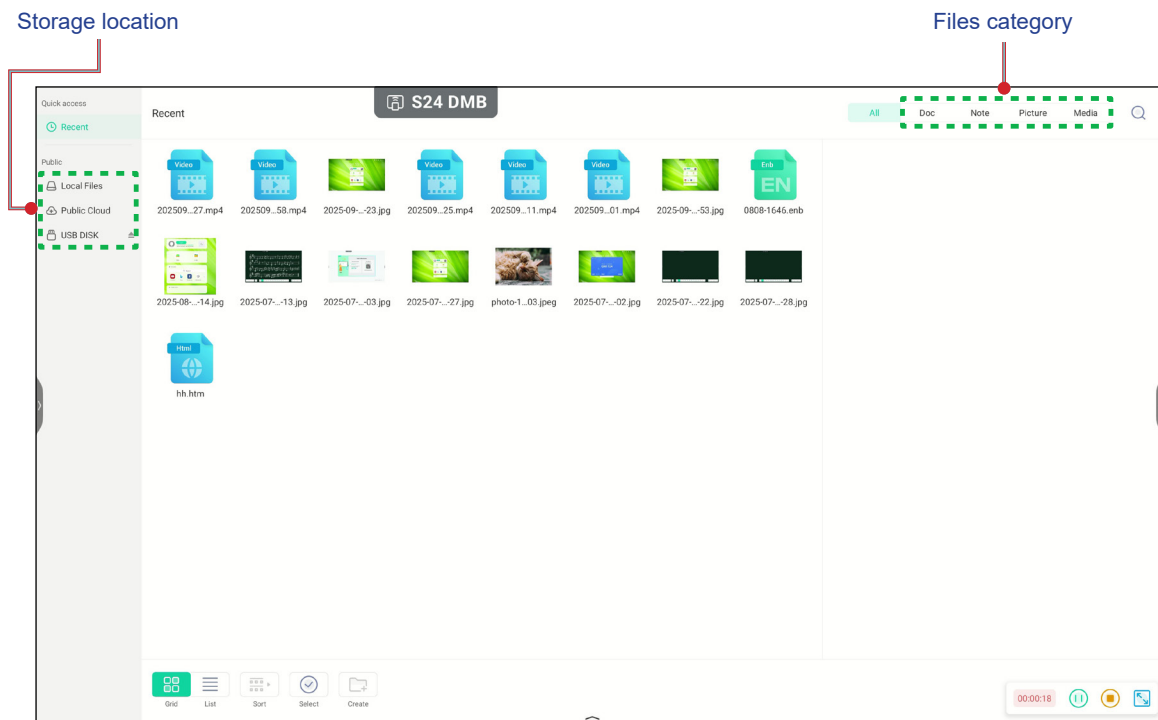
Finder

On the toolbar, tap  to open **Finder** app.














Note: You can also access the app from the Home screen or the **All Apps** screen.

Managing Files

Select a storage location and browse for a file or folder you want to view then tap twice on a file or folder to open.



Select any of the following:

- Tap  to view the files and folders as thumbnails.
- Tap  to view the files and folders as a list.
- Tap  to sort the files and folders by name or by date in ascending or descending order.
- Tap  to select the files and folders.
- Tap  to select all items.
- Tap  to cancel selection.
- Tap  to copy the selected item(s).
- Tap  to cut the selected item(s).
- Tap  to paste the copied/cut item(s) to the specified location as required.
- Tap  to delete item(s).
- Tap  to rename an item.
- Tap  to add a new folder.
- Tap  to send selected item(s) via email, copy it to the target storage location, or create a desktop shortcut on your own OS.

Note: You need to be logged into your own account to create a desktop shortcut. For more information, refer to the “Account Login” section.

USING THE APPS

- Tap  to search files and folders using key words or names.

Playing Multimedia Files

Multimedia formats supported

Movie

File	Codec		
Extension	Video	Audio	Maximum transmit ratio
.3gp/3GP2	H.263	Mpeg1/2 Layer1/2/3, AAC-LC, PCM	Max. solution: SQCIF(128x96), QCIF(176x144), CIF(352x288), 4CIF(704x576) 30fps, 38.4Mbps
	H.264		Max. solution: 7680x4320 30fps (60fps for simple stream), 80Mbps
.avi	H.264	Mpeg1/2 Layer1/2/3, AAC-LC, PCM	Max. solution: 7680x4320 30fps, 80Mbps
	Mjpeg		Max. solution: 1920x1088 30fps, 45Mbps
.dat	mpeg1/2	Mpeg1/2 Layer1/2/3	Max. solution: 1920x1088 30fps, 38.4Mbps
.flv	H.264	Mpeg1/2 Layer1/2/3, AAC-LC, PCM	Max. solution: 7680x4320 30fps (60fps for simple stream), 80Mbps
.mkv	Mpeg-4	Mpeg1/2 Layer 2, AAC, FLAC, Vorbis	Max. solution: 1920x1088 30fps, 80Mbps
	H.264		Max. solution: 7680x4320 30fps (60fps for simple stream), 80Mbps
.mov	Mpeg-4	Mpeg1/2 Layer1/2/3, AAC-LC, PCM	Max. solution: 1920x1088 30fps, 80Mbps
	H.264		Max. solution: 7680x4320 30fps (60fps for simple stream), 80Mbps
.mp4	Mpeg-4	Mpeg1/2 Layer1/2/3, AAC-LC, PCM	Max. solution: 1920x1088 30fps, 80Mbps
	H.264		Max. solution: 7680x4320 30fps (60fps for simple stream), 80Mbps
.VOB	mpeg1/2	Mpeg1/2 Layer1/2/3	Max. solution: 1920x1088 30fps, 80Mbps
.mpg.mpeg	mpeg1/2	Mpeg1/2 Layer1/2/3, AAC-LC, PCM	Max. solution: 1920x1088 30fps, 80Mbps
.webm	vp9	Mpeg1/2 Layer1/2/3, AAC-LC, PCM, opus	Max. solution: 7680x4320 60fps, 80Mbps
	vp8		Max. solution: 1920x1088 30fps, 38.4Mbps
.ts	H.265	Mpeg1/2 Layer1/2/3, AAC-LC, PCM, opus	Max. solution: 7680x4320 60fps, 100Mbps
	mpeg1/2		Max. solution: 1920x1088 30fps, 80Mbps
	H.264		Max. solution: 7680x4320 30fps (60fps for simple stream), 80Mbps

USING THE APPS

Audio

File	Format	Audio codec	Supported range
.aac	AAC, M4A	ADIF, ATDS Header AAC-LC, AAC-ELD	Sample rate: 8KHz~48KHz Bit rate: N/A
.mpeg	MP1, MP2, MP3	MPEG1/2/2.5 Audio Layer1/2/3	Sample rate: 8KHz~48KHz Bit rate: 8Kbps~320Kbps, CBR and VBR
.flac	FLAC	Compress Level 0~8	Sample rate: 8KHz~48KHz Bit rate: N/A
.ape	Monkey's Audio	/	/
.opus	OPUS	OPUS	Sample rate: 8KHz~48KHz Bit rate: 32Kbps~9612Kbps
.mp3	MPEG Audio Layer 3	MPEG1/2 Layer3	Sample rate: 8KHz~48KHz Bit rate: 8Kbps~320Kbps
.ogg	OGG, OGA, Vorbis	Q1~Q10	Sample rate: 8KHz~48KHz Bit rate: N/A
.mid	XMF, MXMF, RTTTL, RTX, OTA, IMY	Midi Type 0 and 1, DLS version 1 and 2, XMF and Mobile XMF, RTTTL/RTX, OTA, iMelody	Sample rate: N/A Bit rate: N/A
.wav	WAV	MS-ADPCM, IMA-ADPCM, PCM	Sample rate: 8KHz~48KHz Bit rate: N/A

Photo

File	Format	Supported range	Remarks
.jpeg/jpg	JPEG	48x48 pixels to 65536x65536 pixels	(1) Not support non-interleaved Scan (2) Software support SRGB JPEG (3) Software support Adobe RGB JPEG
.png	PNG	/	/
.bmp	BMP	/	/
.gif	GIF	/	/

USING THE APPS











Playing videos


Select the video you want play and tap twice on it to start playback.

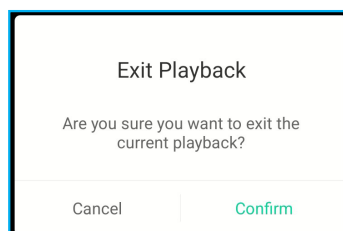


Volume adjustment

During the playback, tap on the screen to open the playback control toolbar. Then tap any of the following:

- Tap  to display video thumbnails.
- Tap  to rewind video.
- Tap  to skip to the previous video.
- Tap  to pause the playback. To resume, tap .
- Tap  to skip to the next video.
- Tap  to fast forward video.
- Tap  to play all video files in a loop, tap  to play the current video file in a loop, or tap  to play through all videos in the list once.

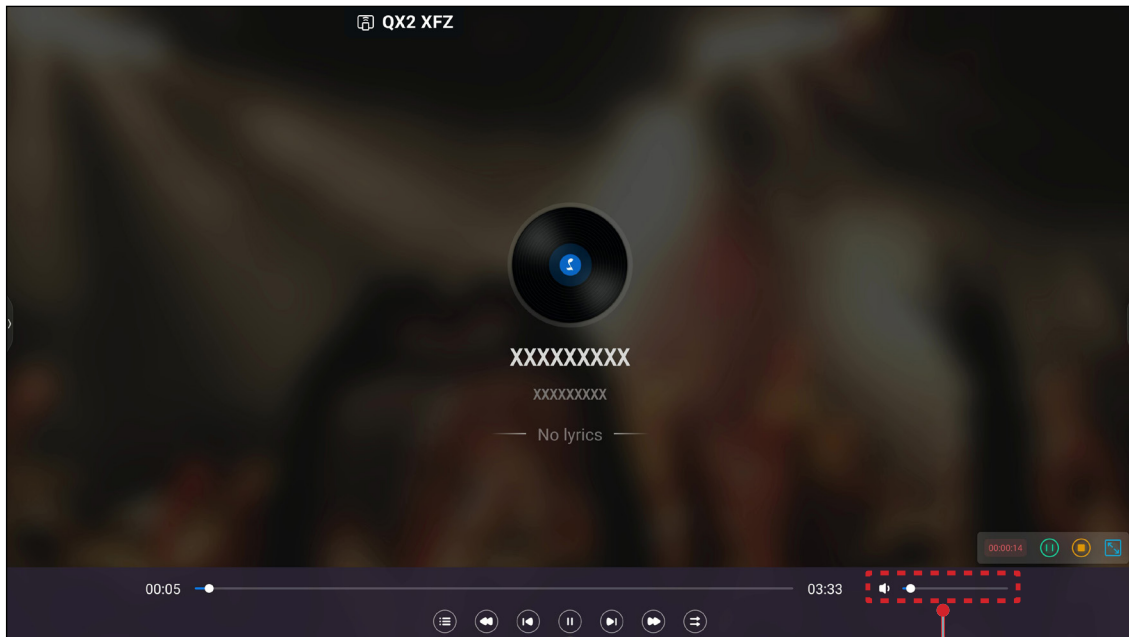
Note: To stop playback, open the toolbar and tap  or press the **Back** button on the remote control. When the confirmation message appears, select **Confirm**.



USING THE APPS











Playing music


Select the audio track you want to play and tap twice on it to start playback.

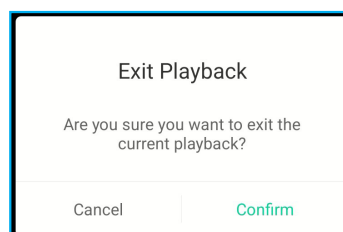


Volume adjustment

During the playback, tap on the screen to open the playback control toolbar. Then tap any of the following:

- Tap  to display track thumbnails.
- Tap  to rewind the track.
- Tap  to return to the previous track.
- Tap  to pause the playback. To resume, tap .
- Tap  to skip to the next track.
- Tap  to fast forward the track.
- Tap  to play all tracks in a loop, tap  to play the current track in a loop, or tap  to play through all tracks in the list once.

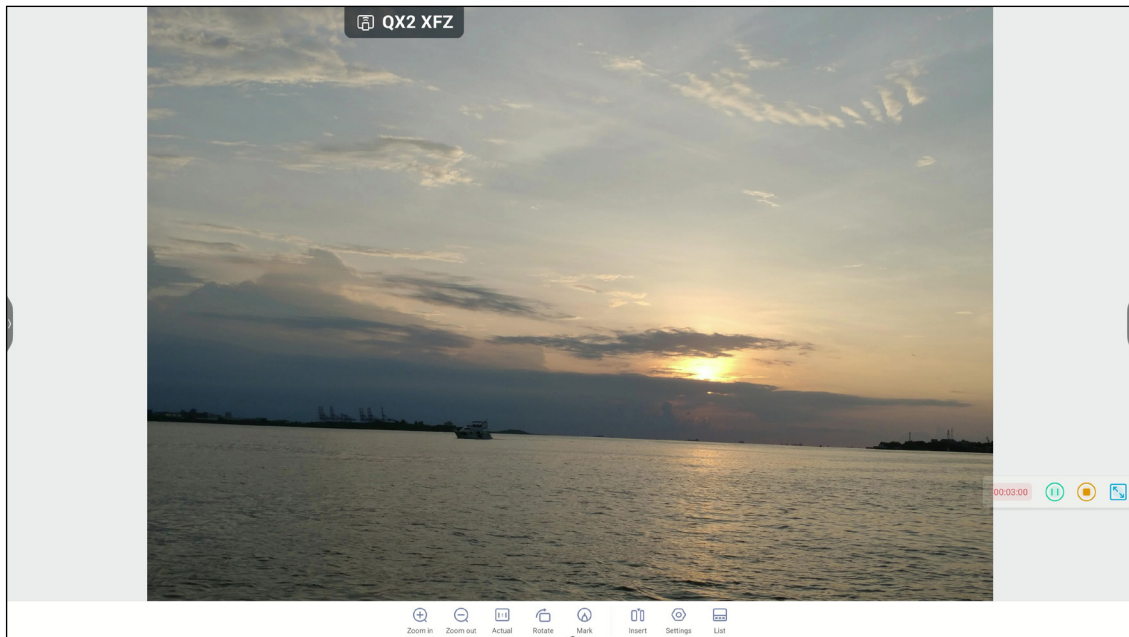
Note: To stop playback, open the toolbar and tap  or press the **Back** button on the remote control. When the confirmation message appears, select **Confirm**.



USING THE APPS

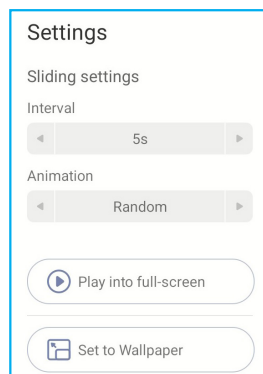
Viewing images

Select the image you want to display and tap twice to open it on the screen.



Tap on the screen to open the image control toolbar. Then tap any of the following:

- Tap / to magnify the image or zoom out on the magnified image.
Note: *As an alternative, touch the screen with your two fingers and move them apart to zoom in or together to zoom out.*
- Tap to display the image in its actual size.
- Tap to rotate the image clockwise.
- Tap to annotate over the image.
- Tap to configure the slideshow settings or set the image as wallpaper.



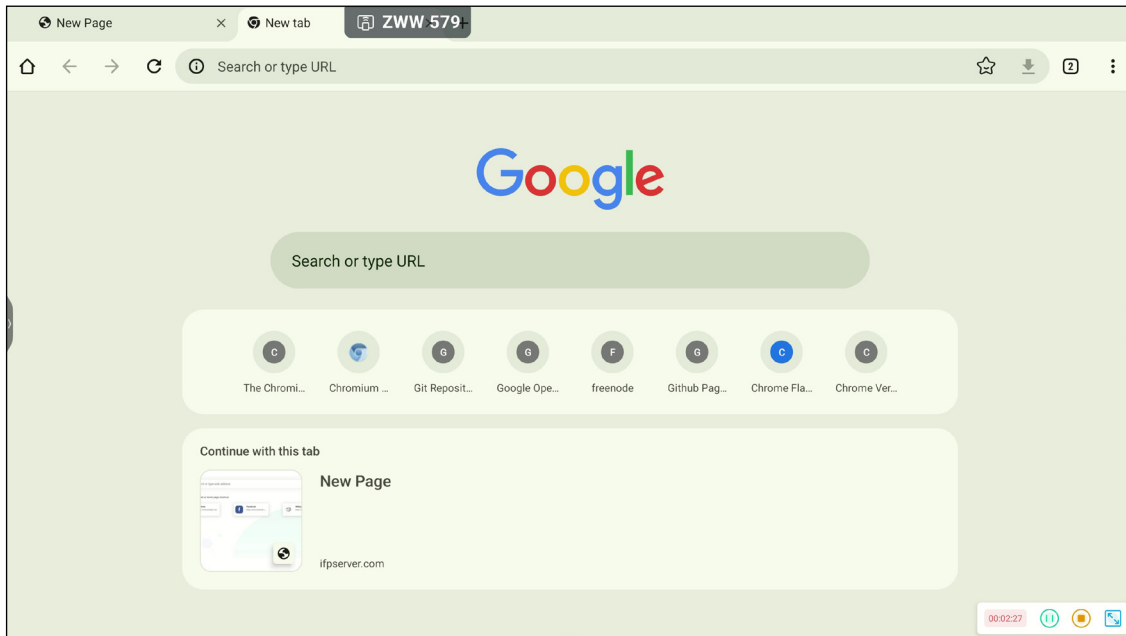
- Configure the slideshow settings and tap **Play into full-screen** to start the slideshow. Tap to stop the slideshow.
- Tap **Set to Wallpaper** to set the current image as the wallpaper.
- Tap to image thumbnails.

Note: *To the exit the playback mode, open the toolbar and tap or press the **Back** button on the remote control.*

USING THE APPS

Browser

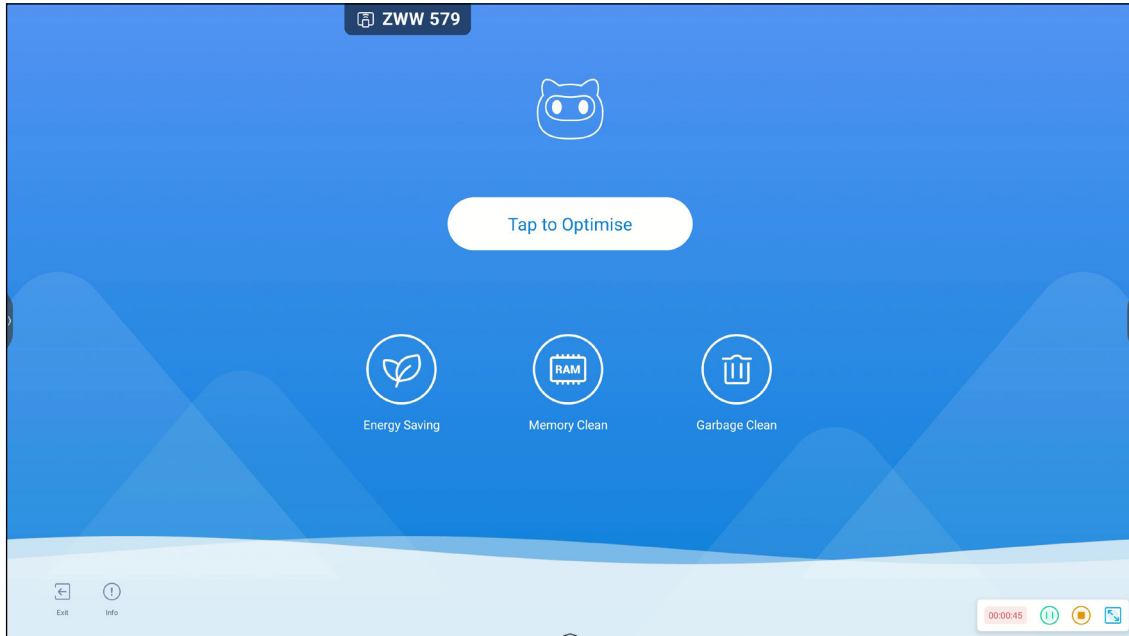
Tap **Browser** to access web pages.



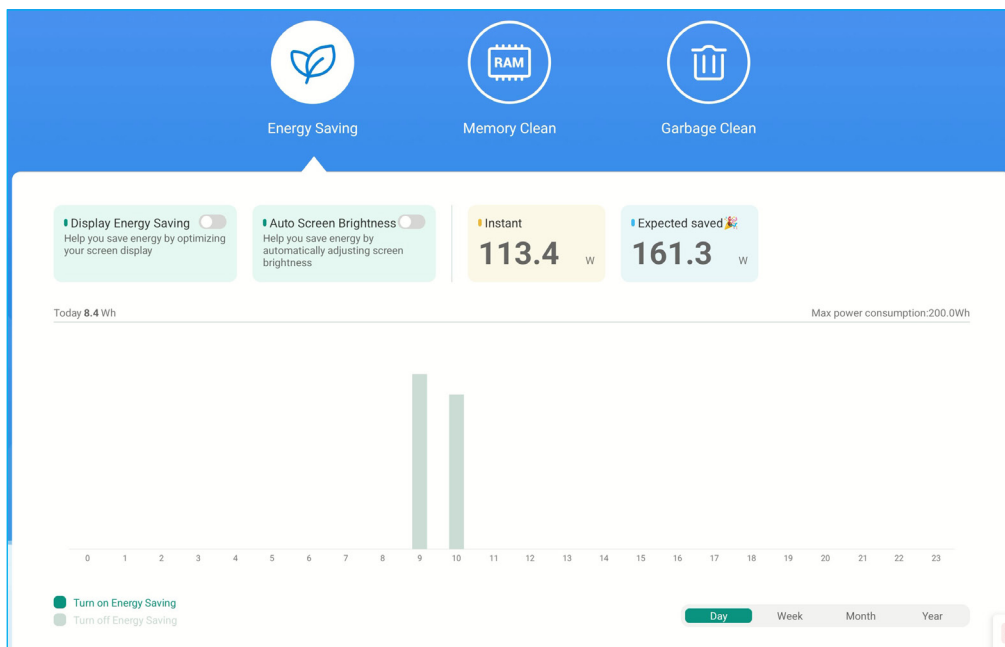
USING THE APPS

Keeper

Tap **Keeper** to open the **Keeper** app and begin cleaning and optimizing the data on the IFP.



- For automatic cleaning of the memory, deleting temporary and junk files, tap **Tap to Optimize**.
- For energy saving configurations, tap **Energy Saving**. Then set the necessary settings.



- For manual cleaning of the memory, tap **Memory Clean**.
- For manual deleting temporary and junk files, tap **Garbage Clean**.
- Tap **Info** to view system and touch panel versions.
- Tap **Exit** to close **Keeper**.

USING THE APPS

Display Share 2

For more information about **Display Share 2**, including the latest updates, feature highlights, and user manuals, please visit the following website:



<https://download.optoma.com/software>

IMPORTANT!

- *The IFP 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

Display Share 2 Senders	Available Version
Windows	7/8/10/11
Mac	macOS 10.11 or later
iPhone/iPad	iOS 9.0 or later
Android	Android 7.0 or later
Chrome	Chrome OS
Ubuntu	Ubuntu 12.04/Debian 10 or later(64bit)

Proprietary Sharing

Features	Operation System
Web Sharing (Web Sender)	Chrome Browser
AirPlay Support	iOS 14 and above
ChromeCast	

USING THE APPS

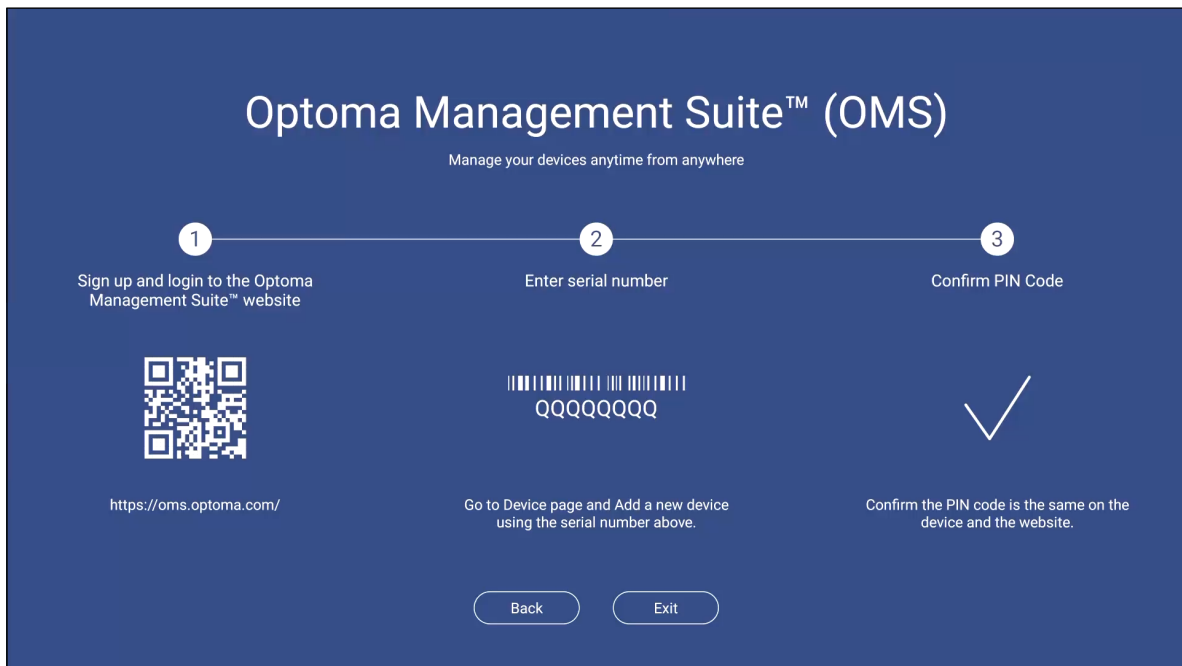
Optoma Management Suite (OMS)TM

OMS is a remote management software that operates through LAN or over Internet. It simplifies the management of the IFP remotely.

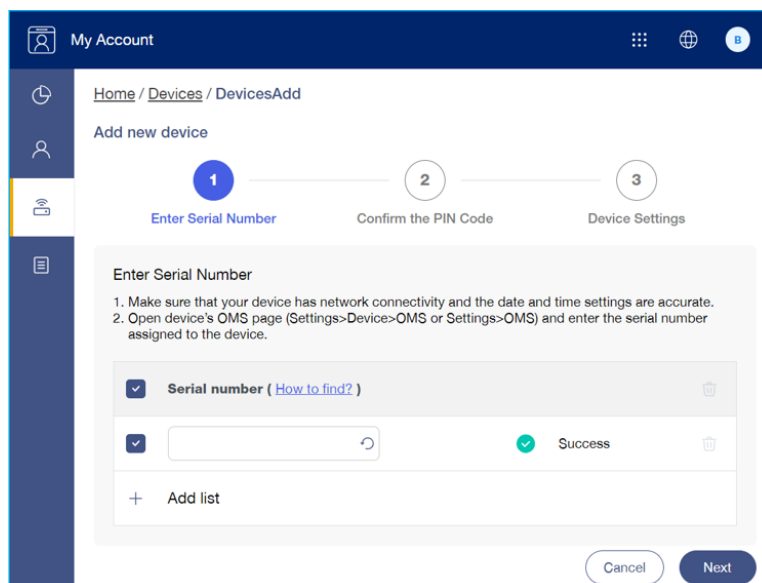
Note: For more detail function introduction, please refer to <https://onlinemanual.optoma.com/OMS/>.

To start using OMS, complete the following steps:

1. Log in to OMS website: <https://oms.optoma.com/>.
2. In the Settings ⇒ Device menu, tap **Optoma Management Suite**.

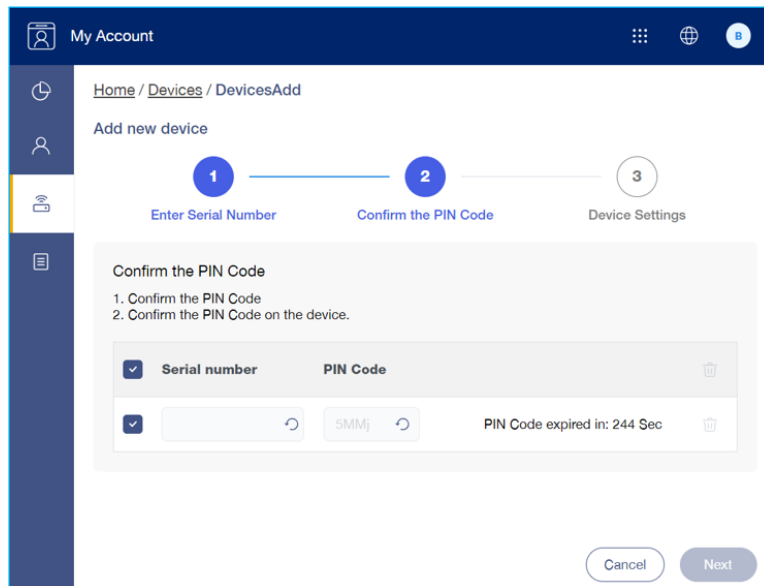


3. In the OMS, click on the **Device** category .
4. Enter the serial number from the **Optoma Management Suite** launcher page and click **Next**.

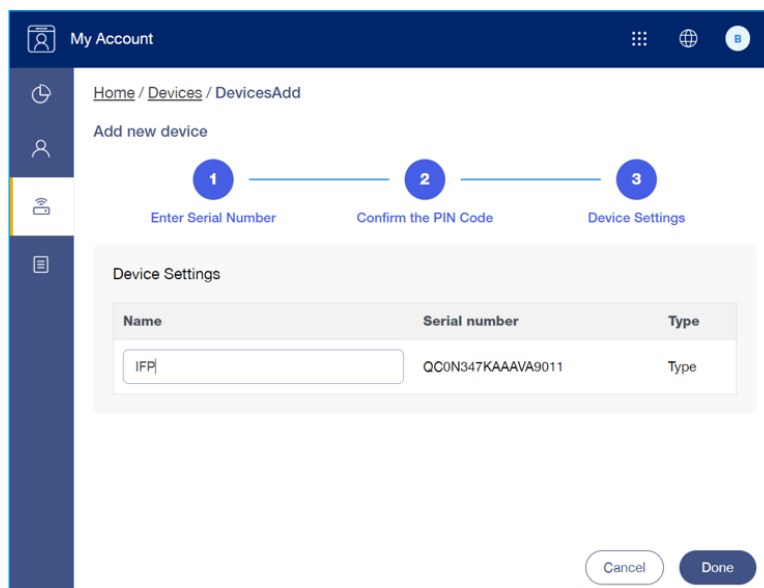


USING THE APPS

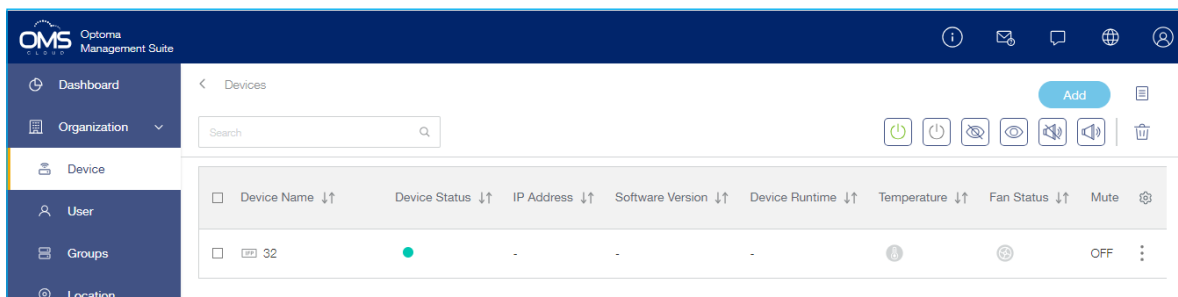
5. Confirm the pin codes on the IFP and your device. Click **Next**.



6. Enter the device name and click **Done**.



7. Select the device and then use the screen controls to display a message on the screen of the selected IFP, power on/off the IFP, enable/disable wake on LAN, select an input source, enable/disable AV mute mode, mute or unmute the IFP, monitor the device's status, usage time, mute status, temperature, and more.

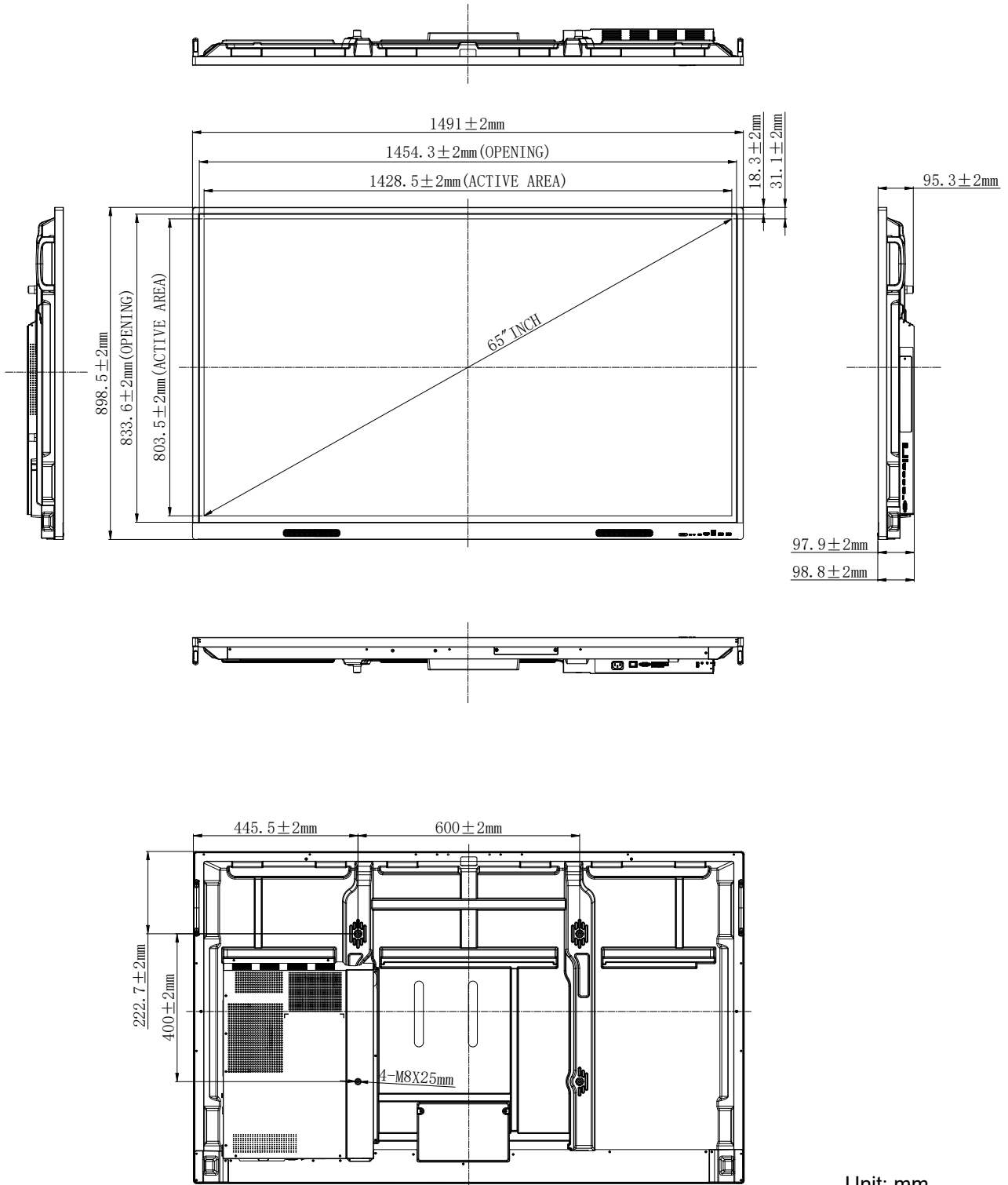


Note: For enhanced device management, you can group similar devices. To create a device group, click **Add** ⇒ **Group**. Then add the selected devices to the group.

ADDITIONAL INFORMATION

Dimensions

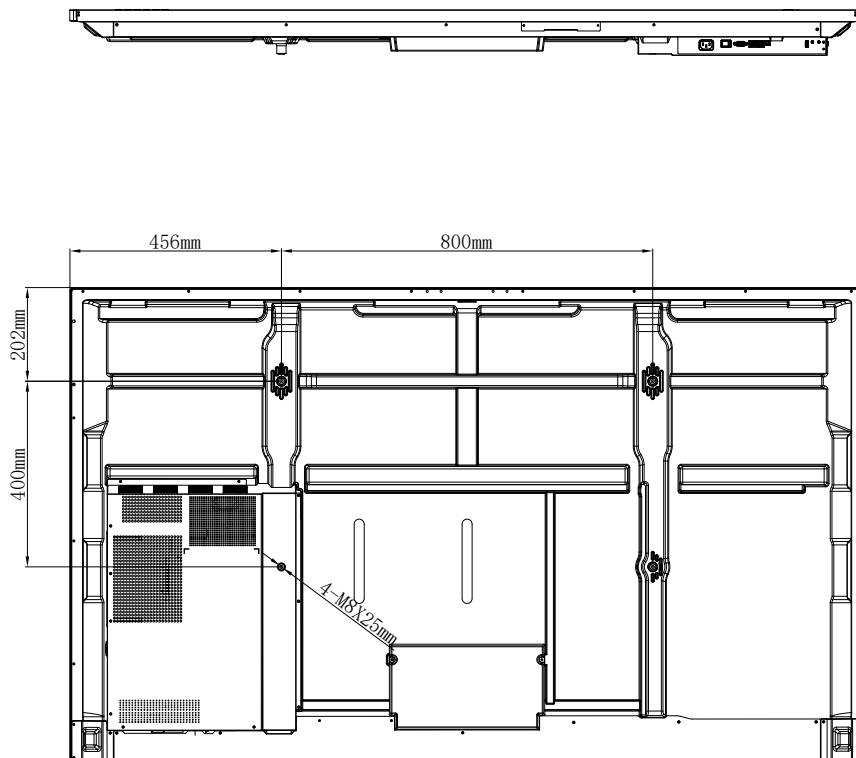
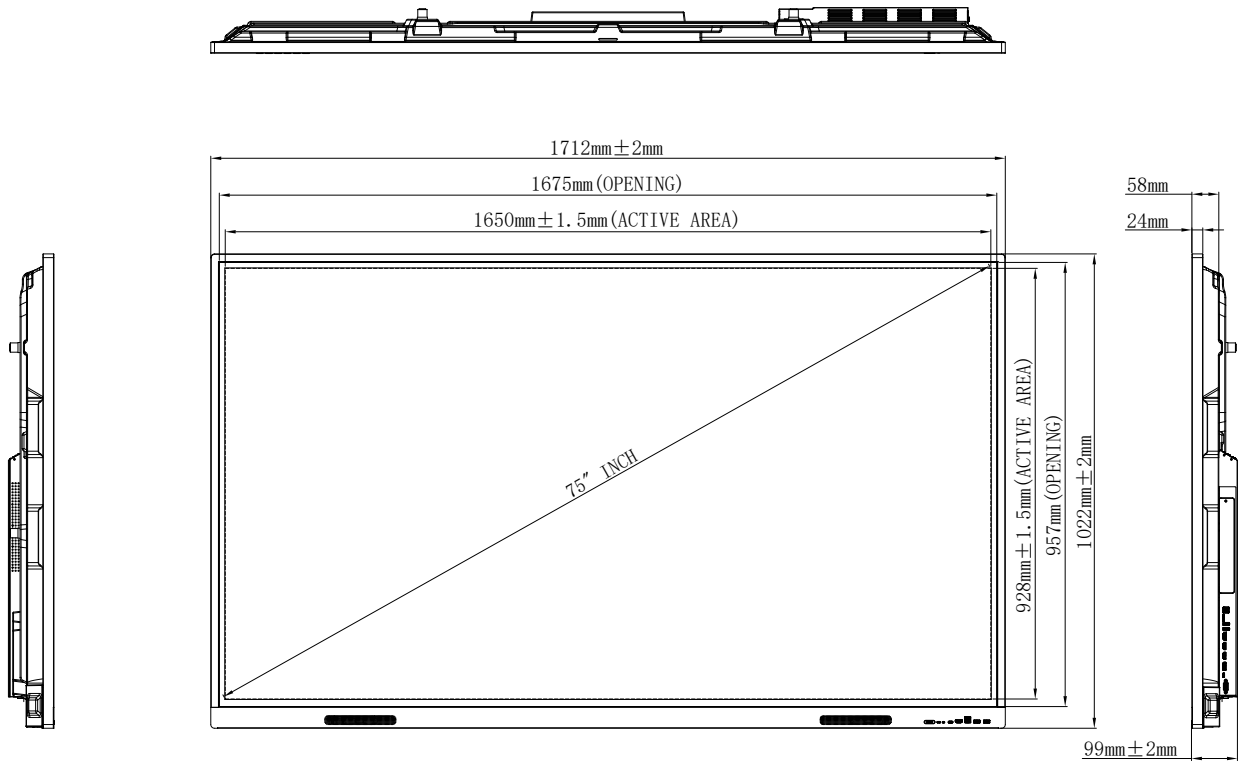
65-inch



Unit: mm

ADDITIONAL INFORMATION

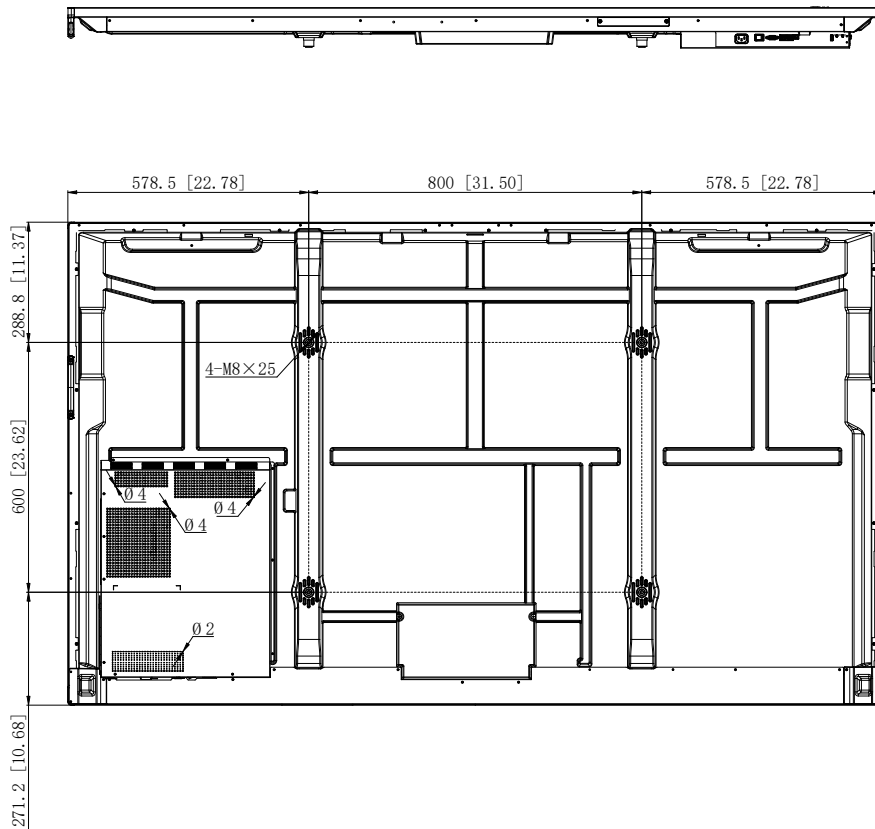
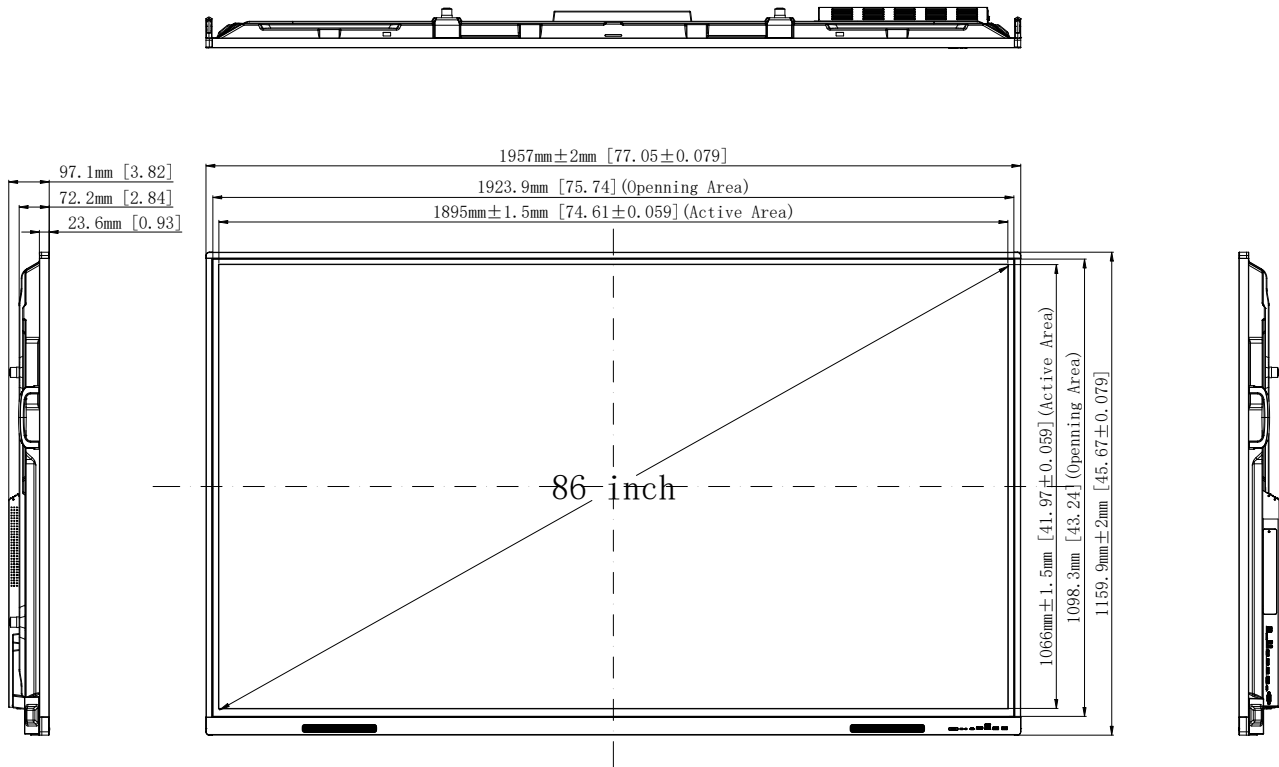
75-inch



Unit: mm

ADDITIONAL INFORMATION

86-inch



Unit: mm

ADDITIONAL INFORMATION

Supported Timing List

No.	Signal Timing Name	Reference	Clock	Hf	Vf	Input Source			
			[MHz]	[KHz]	[KHz]	HDMI	Type C	DP1.2	VGA
1	640*480 @60Hz	VESA	25.175	31.469	59.94	Y	Y	Y	Y
2	800*600 @56Hz	VESA	36.000	35.156	56.25	Y	Y	Y	Y
3	800*600 @60Hz	VESA 40.000 37.879 60.32	31.50	37.86	72.81	Y	Y	Y	Y
4	1024*768 @60Hz VESA 65.000 48.363 60.00	VESA	31.50	37.50	75.00	Y	Y	Y	Y
5	1280*800 @60Hz VESA 83.500 49.702 59.81	VESA	36.00	35.15	56.25	Y	Y	Y	Y
6	1280*1024 @60Hz VESA 108.000 63.981 60.02	VESA	40.00	37.87	60.31	Y	Y	Y	Y
7	1360*768 @60Hz VESA 85.500 47.712 60.02	VESA	50.00	48.07	72.18	Y	Y	Y	Y
8	1680*1050 @60Hz VESA 146.250 65.290 59.95	VESA	49.50	46.87	75.00	Y	Y	Y	Y
9	1920*1080 @60Hz VESA 148.500 67.500 60.00	MAC	57.28	49.72	74.55	Y	Y	Y	Y
10	2560*1440 @60Hz VESA 241.5 88.787 59.95	VESA	65.00	48.36	60.00	Y	Y	Y	/
11	480p @60Hz	CEA-861	27.027	31.50	60.00	Y	Y	Y	/
12	576p @50Hz	CEA-861	27.00	31.25	50.00	Y	Y	Y	/
13	720p @50Hz	CEA-861	74.25	37.50	50.00	Y	Y	Y	/
14	720p @60Hz	CEA-861	45.00	60.00	60.00	Y	Y	Y	/
15	1080p @23Hz	CEA-861	74.175	26.973	23.98	Y	Y	Y	/
16	1080p @24Hz	CEA-861	74.25	27.00	24.00	Y	Y	Y	/
17	1080p @25Hz	CEA-861	74.25	28.125	25.00	Y	Y	Y	/
18	1080p @29Hz	CEA-861	74.175	33.716	29.97	Y	Y	Y	/
19	1080p @30Hz	CEA-861	74.25	33.75	35.00	Y	Y	Y	/
20	1080p @50Hz	CEA-861	148.50	56.25	50.00	Y	Y	Y	/
21	1080p @60Hz	CEA-861	148.50	67.50	60.00	Y	Y	Y	/
22	3840*2160 @24Hz	CTA	297.00	54.00	23.98	Y	Y	Y	/
23	3840*2160 @25Hz	CTA	297.00	56.25	25.00	Y	Y	Y	/

ADDITIONAL INFORMATION

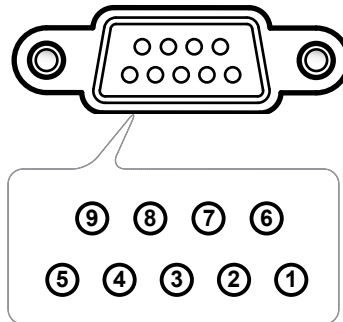
No.	Signal Timing Name	Reference	Clock	Hf	Vf	Input Source			
			[MHz]	[KHz]	[KHz]	HDMI	Type C	DP1.2	VGA
24	3840*2160 @30Hz	CTA	297.00	67.50	29.97	Y	Y	Y	/
25	3840*2160 @50Hz	CTA	594.00	112.50	50.00	Y	Y	Y	/
26	3840*2160 @60Hz	CTA	594.00	135.00	59.94	Y	Y	Y	/

ADDITIONAL INFORMATION

RS232 Protocol Function List

Note: IFP supports RS232 and RJ45 (port 23) control command.

RS232 Pin Assignments



Pin No.	Spec. (from IFP side)
1	N/A
2	TXD
3	RXD
4	N/A
5	GND
6	N/A
7	N/A
8	N/A

RS232 RJ45 Control Connection

RS232 Settings	
Baud Rate	9600
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

LAN Control Settings	
IP	Machine IP
Port	4023

~	X	X	X	X	X	X	X	CR
Lead Code	Device ID (where 01 indicates Device ID = 01)		Command ID		Space	Variable	Carriage return	

ADDITIONAL INFORMATION

SET Command

Type	Category	Parameter	CMD		Hex Code CMD	Response	
						Success	Failed
SET	Power	Power off	~xx00 n	n=0	7E 30 30 30 30 20 30 0d	P	F
		Power on	~xx00 n	n=1	7E 30 30 30 30 20 31 0d	P	F
		Restart	~xx00 n	n=3	7E 30 30 30 30 20 33 0d	P	F
	Power Mode (standby)	Eco.	~xx114 n	n=0	7E 30 30 31 31 34 20 30 0d	P	F
		Active		n=1	7E 30 30 31 31 34 20 31 0d	P	F
	Treble	0 ~ 100	~xx95 n	n=0-100	7E 30 30 39 35 20 30 0d to 7E 30 30 39 35 20 31 30 30 0d	P	F
	Bass	0 ~ 100	~xx96 n	n=0-100	7E 30 30 39 36 20 30 0d to 7E 30 30 39 36 20 31 30 30 0d	P	F
	Balance	0 ~ 100	~xx99 n	n=50-50	7E 30 30 39 39 20 30 0d to 7E 30 30 39 39 20 31 30 30 0d	P	F
	Contrast	0 ~ 100	~xx22 n	n=0-100	7E 30 30 32 32 20 30 0d to 7E 30 30 32 32 20 31 30 30 0d	P	F
	Brightness	0 ~ 100	~xx21 n	n=0-100	7E 30 30 32 31 20 30 0d to 7E 30 30 32 31 20 31 30 30 0d	P	F
	Sound Mode	Standard	~xx252 n	n=1	7E 30 30 32 35 32 20 31 0d	P	F
		Meeting		n=4	7E 30 30 32 35 32 20 34 0d	P	F
		User		n=2	7E 30 30 32 35 32 20 32 0d	P	F
		Classroom		n=3	7E 30 30 32 35 32 20 33 0d	P	F
		Movie		n=5	7E 30 30 32 35 32 20 35 0d	P	F
	Volume	0 ~ 100	~xx81 n	n=0-100	7E 30 30 38 31 20 30 0d to 7E 30 30 38 31 20 31 30 30 0d	P	F
	Video Mute	Off	~xx13 n	n=0	7E 30 30 31 33 20 30 0d	P	F
		On		n=1	7E 30 30 31 33 20 31 0d	P	F
	Mute	Off	~xx80 n	n=0	7E 30 30 38 30 20 30 0d	P	F
		On		n=1	7E 30 30 38 30 20 31 0d	P	F
	Input Source	HDMI1	~xx12 n	n=1	7E 30 30 31 32 20 31 0d	P	F
		HDMI2		n=15	7E 30 30 31 32 20 31 35 0d	P	F
		HDMI3		n=16	7E 30 30 31 32 20 31 36 0d	P	F
		USB Type C1		n=27	7E 30 30 31 32 20 32 37 0d	P	F
		USB Type C2		n=30	7E 30 30 31 32 20 32 37 0d	P	F
		HDMI4		n=29	7E 30 30 31 32 20 32 39 1d	P	F
		DisplayPort		n=20	7E 30 30 31 32 20 32 30 0d	P	F
		Solot in PC		n=25	7E 30 30 31 32 20 32 35 0d	P	F
		Android		n=24	7E 30 30 31 32 20 32 34 0d	P	F
	Aspect Ratio	4:3	~xx60 n	n=1	7E 30 30 36 30 20 31 0d	P	F
16:9		n=2		7E 30 30 36 30 20 32 0d	P	F	
PTP		n=14		7E 30 30 36 30 20 31 34 0d	P	F	
Language	English	~xx70 n	n=1	7E 30 30 37 30 20 31 0d	P	F	
	Français		n=3	7E 30 30 37 30 20 33 0d	P	F	

ADDITIONAL INFORMATION

Type	Category	Parameter	CMD		Hex Code CMD	Response	
						Success	Failed
SET	Language	Español	~xx70 n	n=5	7E 30 30 37 30 20 35 0d	P	F
		Traditional Chinese		n=13	7E 30 30 37 30 20 31 33 0d	P	F
		Simplified Chinese		n=14	7E 30 30 37 30 20 31 34 0d	P	F
		Português		n=6	7E 30 30 37 30 20 36 0d	P	F
		German		n=2	7E 30 30 37 30 20 32 0d	P	F
		Dutch		n=8	7E 30 30 37 30 20 38 0d	P	F
		Polish		n=7	7E 30 30 37 30 20 37 0d	P	F
		Russia		n=17	7E 30 30 37 30 20 31 37 0d	P	F
		Czech		n=19	7E 30 30 37 30 20 31 39 0d	P	F
		Danish		n=24	7E 30 30 37 30 20 32 34 0d	P	F
		Swedish		n=9	7E 30 30 37 30 20 39 0d	P	F
		Italian		n=4	7E 30 30 37 30 20 34 0d	P	F
		Turkish		n=22	7E 30 30 37 30 20 32 32 0d	P	F
		Arabic		n=20	7E 30 30 37 30 20 32 30 0d	P	F
		Romanian		n=27	7E 30 30 37 30 20 32 37 0d	P	F
		Hungarian		n=18	7E 30 30 37 30 20 31 38 0d	P	F
		Finnish		n=11	7E 30 30 37 30 20 31 31 0d	P	F
		Norge		n=10	7E 30 30 37 30 20 31 30 0d	P	F
	Picture Mode	Presentation	~xx20 n	n=1	7E 30 30 32 30 20 31 0d	P	F
		Bright		n=2	7E 30 30 32 30 20 32 0d	P	F
		Cinema		n=3	7E 30 30 32 30 20 33 0d	P	F
		DICOM SIM.		n=13	7E 30 30 32 30 21 33 0d	P	F
		User		n=5	7E 30 30 32 30 20 35 0d	P	F
		HDR		n=21	7E 30 30 32 30 20 32 31 0d	P	F
	Color	0 ~ 100	~xx45 n	n=0-100	7E 30 30 34 35 20 30 0d to 7E 30 30 34 35 20 31 30 30 0d	P	F
	Backlight	0 ~ 100	~xx251 n	n=0-100	7E 30 30 32 35 31 20 30 0d to 7E 30 30 32 35 31 20 31 30 30 0d	P	F
	Color Temp	Cool	~xx36 n	n=2	7E 30 30 33 36 20 32 0d	P	F
		Standard		n=1	7E 30 30 33 36 20 31 0d	P	F
		Warm		n=4	7E 30 30 33 36 20 34 0d	P	F
	Freeze	Unfreeze	~xx04 n	n=0	7E 30 30 30 34 20 30 0d	P	F
		Freeze		n=1	7E 30 30 30 34 20 31 0d	P	F
	Pixel shift interval (min)	Off	~xx250 n	n=0	7E 30 30 32 35 30 20 30 0d	P	F
		2		n=2	7E 30 30 32 35 30 20 32 0d	P	F
3		n=3		7E 30 30 32 35 30 20 33 0d	P	F	
5		n=5		7E 30 30 32 35 30 20 35 0d	P	F	
30		n=30		7E 30 30 32 35 30 20 33 30 0d	P	F	
60		n=60		7E 30 30 32 35 30 20 36 30 0d	P	F	
Remote control command	Vol +	~xx140 n	n=17	7E 30 30 31 34 30 20 31 37 0d	P	F	

ADDITIONAL INFORMATION

Type	Category	Parameter	CMD		Hex Code CMD	Response	
						Success	Failed
SET	Remote control command	Vol -	~xx140 n	n=18	7E 30 30 31 34 30 20 31 38 0d	P	F
		Remote UP		n=10	7E 30 30 31 34 30 20 31 30 0d	P	F
		Remote DOWN		n=14	7E 30 30 31 34 30 20 31 34 0d	P	F
		Remote LEFT		n=11	7E 30 30 31 34 30 20 31 31 0d	P	F
		Remote RIGHT		n=13	7E 30 30 31 34 30 20 31 33 0d	P	F
		Remote OK		n=12	7E 30 30 31 34 30 20 31 32 0d	P	F
		Remote Menu Key		n=20	7E 30 30 31 34 30 20 32 30 0d	P	F
		Remote Input source		n=47	7E 30 30 31 34 30 20 34 37 0d	P	F
		Remote Exit		n=74	7E 30 30 31 34 30 20 37 34 0d	P	F
	Display message on the OSD		~xx210	nn.....n	7E 30 30 32 31 30 20 nn...n od	P	F
	Reset To Default		~xx112	n=1	7E 30 30 31 31 32 20 31 od	P	F
OSD lock	OSD lock On with password	~xx239 1 ~nnnn	~mm =0000(a=7E 303030 30)-9999(a=7E 39393939)	7E 30 30 32 33 39 20 31 20 a 0d	P	F	
	OSD lock Off with password	~xx239 2 ~nnnn	~mm =0000(a=7E 303030 30)-9999(a=7E 39393939)	7E 30 30 32 33 39 20 32 20 a 0d	P	F	

ADDITIONAL INFORMATION

GET Command

Type	Category	CMD		Hex Code CMD	Response		
					Success	Parameter	Failed
GET	Power	~xx124 n	n=1	7E 30 30 31 32 34 20 31 0D	Ok0	Power off	F
					OK1	Power on	F
	Contrast	~xx126 n	n=1	7E 30 30 31 32 36 20 31 0D	OK0-100	0-100	F
					OK0-100	0-100	F
	Brightness	~xx125 n	n=1	7E 30 30 31 32 35 20 31 0D	OK0-100	0-100	F
					OK0-100	0-100	F
	Volume	~xx120 n	n=1	7E 30 30 31 32 30 20 31 0D	OK0-100	0-100	F
					OK0-100	0-100	F
	Video Mute	~xx363 n	n=1	7E 30 30 33 36 33 20 31 0D	OK0	Off	F
					OK1	On	F
	Mute	~xx356 n	n=1	7E 30 30 33 35 36 20 31 0D	OK0	Off	F
					OK1	On	F
	Sound Mode	~xx139	n=1	7E 30 30 31 33 39 20 31 0D	OK1	Standard	F
					OK2	User	F
					OK3	Classroom	F
					OK4	Meeting	F
					OK5	Movie	F
	Input Source	~xx121 n	n=1	7E 30 30 31 32 31 20 31 0D	OK7	HDMI1	F
					OK8	HDMI2	F
					OK9	HDMI3	F
					OK25	HDMI4	F
					OK23	USB Type C 1	F
					OK2	VGA	F
					OK20	Android	F
					OK21	Slot in PC	F
	OK26	USB Type C 2	F				
	Aspect Ratio	~xx127 n	n=1	7E 30 30 31 32 37 20 31 0D	OK1	4:3	F
					OK2	16:9	F
					OK14	PTP	F
	Picture Mode	~xx123 n	n=1	7E 30 30 31 32 33 20 31 0D	OK1	Presentation	F
					OK2	Bright	F
					OK3	Cinema	F
					OK5	User	F
					OK10	DICOM SIM.	F
	Color Temp	~xx128 n	n=1	7E 30 30 31 32 38 20 31 0D	OK21	HDR	F
					OK1	Cool	F
					OK0	Standard	F
	WLAN status	~xx451 n	n=1	7E 30 30 34 35 31 20 31 0D	OK3	Warm	F
					OK0	Disconnected	F
					OK1	Connected	F
WLAN Mac address	~xx555 n	n=2	7E 30 30 35 35 35 20 32 0D	Oknn:nn:nn:nn:nn:nn	Mac Address	F	

ADDITIONAL INFORMATION

Type	Category	CMD		Hex Code CMD	Response		
					Success	Parameter	Failed
GET	WLAN IP address	~xx451 n	n=2	7E 30 30 34 35 31 20 32 0D	Oknnn:nnn:nnn:nnn	IP address	F
	LAN status	~xx87 n	n=1	7E 30 30 38 37 20 31 0D	OK0	Disconnected	F
					OK1	Connected	F
	LAN Mac address	~xx555 n	n=1	7E 30 30 35 35 35 20 31 0D	Oknn:nn:nn:nn:nn	Mac Address	F
	LAN IP address	~xx87 n	n=3	7E 30 30 38 37 20 33 0D	Oknnn:nnn:nnn:nnn	IP address	F
	FW version	~xx122 n	n=1	7E 30 30 31 32 32 20 31 0D	Oknnnnnnnnnnnnnnn (ex. 20190926164814)	FW version	F
	Usage hour	~xx108 n	n=1	7E 30 30 31 30 38 20 31 0D	Oknnnnn	Suage hours	F
	Device type	~xx149 n	n=1	7E 30 30 31 34 39 20 31 0D	OK2	Device type = IFP	F
	Information string	~xx150 n	n=1	7E 30 30 31 35 30 20 31 0D	OKabbbbbccdddee (Note*1)		F
			n=2	7E 30 30 31 35 30 20 32 0D	Oknnn	Device native resolution	F
			n=3	7E 30 30 31 35 30 20 33 0D	Oknnn (ex. OKHDMI1)	Input source	F
			n=4	7E 30 30 31 35 30 20 34 0D	Oknnn (ex. OK1920x1080)	Source resolutuion	F
			n=16	7E 30 30 31 35 30 20 31 36 0D	OK0	Power mode (standby) = Eco.	F
					OK1	Power mode (standby) = Active	F
			n=17	7E 30 30 31 35 30 20 31 37 0D	OK0	DHCP = Off	F
	OK1	DHCP = On			F		
	n=18	7E 30 30 31 35 30 20 31 38 0D	Oknnn (ex. OK48)	System temperature	F		
	n=19	7E 30 30 31 35 30 20 31 39 0D	Oknnn (ex. OK60Hz)	Source refresh rate	F		
	Regulatory Model name	~xx151 n	n=3	7E 30 30 31 35 31 20 33 0d	Oknnn (ex. SLUGRK)	Regulatory model name (will provide when kick off)	F
System Auto send	Standby Mode				INFO0		
	Warming up				INFO1		
	Cooling down				INFO2		
	Over temperature				INFO7		
GET	OSD lock	~xx229 n	n=1	7E 30 30 32 32 39 20 31 0D	OK0	OSD lock = Off	F
					OK1	OSD lock = On	F
	SN	~XX353 n	n=1	7E 30 30 33 35 33 20 31 0D	Okaaaaaaaa aaaaaaaa	a= serial number string	F

ADDITIONAL INFORMATION

Note: (*1)

Power	Running Time	Input Source	Firmware Version	Display Mode
<ul style="list-style-type: none"> • a=0 Power Off • a=1 Power On 	Usage hours = nnnnn	<ul style="list-style-type: none"> • cc=02 VGA1 • cc=08 HDMI2 • cc=10 Component • cc=14 HDMI3 • cc=15 DisplayPort • cc=18 Android • cc=19 Slot in PC • cc=21 USB Type C1 • cc=24 HDMI4 • cc=25 USB type C2 	#####	<ul style="list-style-type: none"> • ee=01 Presentation • ee=02 Bright • ee=05 User • ee=21 HDR • ee=03 Cinema • ee=10 DICOM SIM.





LED Indicator

Power LED Color & Behavior	Status
Solid Red	Standby mode
Solid White	Power on
Flash Red then Blue continuously	Backlight off

ADDITIONAL INFORMATION

Troubleshooting

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

-  *No picture or sound.*
- Make sure all signal and power connections are properly connected.
 - Make sure the correct input mode is selected. Refer to the “General Menu” section.
 - Make sure the IFP is not turned off.
 - Turn off the mute function.
 - Make sure the volume is not set to the minimum level.
-  *The IFP automatically shuts down.*
- Check whether there is a sudden power outage.
 - Make sure the power cord is not disconnected.
-  *The touch panel does not respond to touch*
- Make sure the screen is not exposed to direct sunlight or other direct light that may be impeding the IR functionality.
 - For the external device connection, make sure the USB cable is properly connected to either the Touch USB port or the USB-C port on the IFP.
-  *If the remote control does not work*
- Check that the operating angle of the remote control is pointed within $\pm 30^\circ$ to the IR receiver on the IFP.
 - Make sure there are no obstructions between the remote control and the IFP. The distance between the remote control and the IR sensor window should not be longer than 8 meters (~26 feet).
 - Make sure batteries are inserted correctly and replace the batteries if they are depleted. Refer to the “Installing/Replacing the Remote Control Batteries” on page 21.

ADDITIONAL INFORMATION

Maintenance

Proper routine maintenance can help with early fault detection and keep the IFP looking like new.

IMPORTANT! *Before cleaning and performing any maintenance task, make sure to unplug the power cord from the power outlet to prevent electric shock.*

Cleaning the Screen

- When the screen requires cleaning, please unplug the power cord first.
- Please use a soft, dust-free, dry cloth to wipe the screen.
- Do not use water or a spray cleaner to clean the IFP.
- Please contact the service center for internal cleaning of the IFP.

Clean the Front Frame

Use a dry, soft, lint-free cloth to wipe the front frame.



ADDITIONAL INFORMATION

Optoma Global Offices

For service or support, please contact your local office.




USA

Optoma Technology, Inc.
47697 Westinghouse Drive.
Fremont, Ca 94539

 888-289-6786
 510-996-4794
 services@optoma.com




Canada

Optoma Technology, Inc.
47697 Westinghouse Drive.
Fremont, Ca 94539

 888-289-6786
 510-996-4794
 services@optoma.com




Latin America

Optoma Technology, Inc.
47697 Westinghouse Drive.
Fremont, Ca 94539

 888-289-6786
 510-996-4794
 services@optoma.com



Europe

1 Bourne End Mills
Hemel Hempstead
Hertfordshire
HP1 2UJ
United Kingdom
www.optoma.eu

 +44 (0) 1923 691 800
 +44 (0) 1923 691 888
 Service@optoma.co.uk




Benelux BV

Optoma Benelux BV
Europalaan 770 D
1363BM Almere
The Netherlands
www.optoma.nl

 +31 (0) 36 8200 250
 +31 (0) 36 548 9052



France

Bâtiment E
81-83 avenue Edouard Vaillant
92100 Boulogne Billancourt, France

 +33 1 41 46 12 20
 +33 1 41 46 94 35
 savoptoma@optoma.fr




Spain

C/ José Hierro, 36 Of. 1C 28529 Rivas
Vaciamadrid, Spain

 +34 91 499 06 06
 +34 91 670 08 32

Deutschland

Optoma Deutschland GmbH
Madriener Straße 10
41069 Mönchengladbach
Deutschland

 +49 (0) 2161 68643 0
 +49 (0) 2161 68643 99
 info@optoma.de

Scandinavia

Optoma Scandinavia
Hägernäshuset
Sjöflygvägen 35
183 62 Täby
Sweden

 +47 32 98 89 90
 +47 32 98 89 99
 info@optoma.no

Korea

<https://www.optoma.com/kr/>

Japan



<https://jp.optoma.com/>

Taiwan

<https://www.optoma.com/tw/>

China

Room 2001, 20F, Building 4,
No.1398 Kaixuan Road,
Changning District
Shanghai, 200052, China

 +86-21-62947376
 +86-21-62947375
www.optoma.com.cn

Australia

<https://www.optoma.com/au/>

