

Flat Panel



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SAFETY

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

Safety Instructions

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

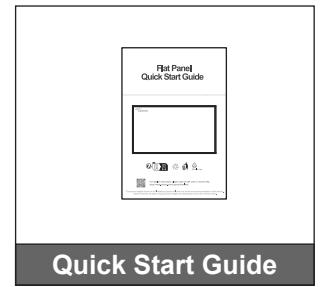
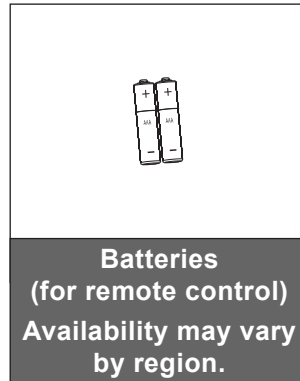
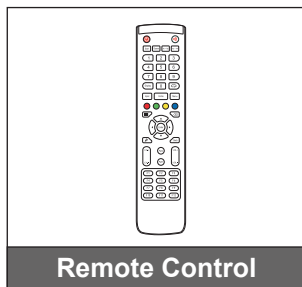
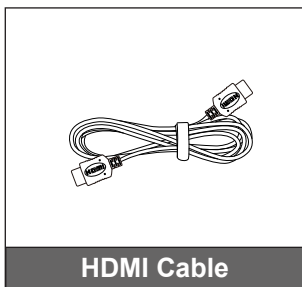
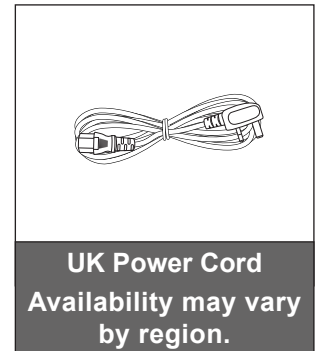
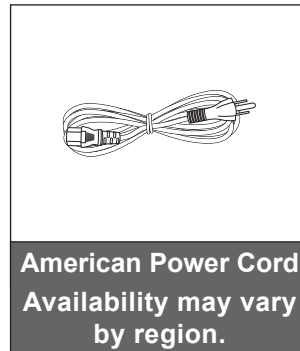
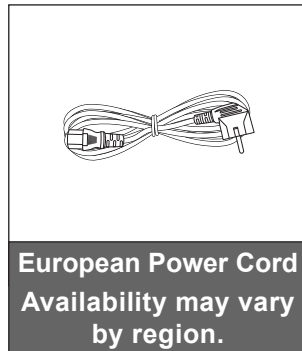
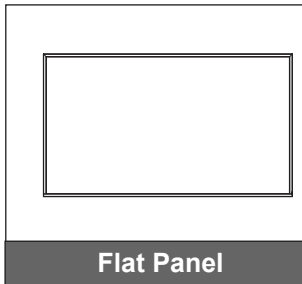
INTRODUCTION

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.

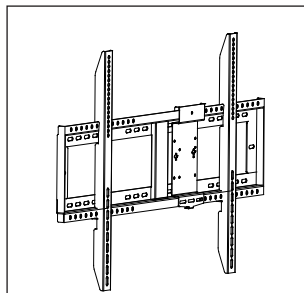
Standard Accessories



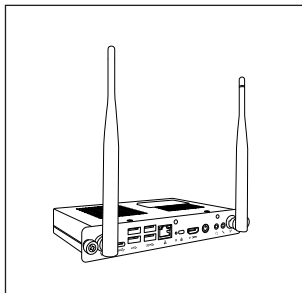
Note: For warranty information, please visit www.optoma.com.

INTRODUCTION

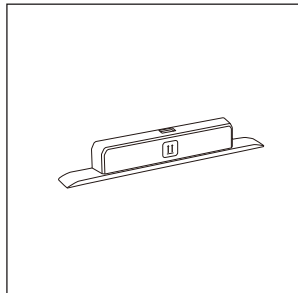
Optional Accessories



**Wall Mount with Vesa
Bracket**
43"~55" (WIB4740A)
65"~86" (WIB6560A)
98" (WIB9080A)



OPS Slot-in PC



Wi-Fi Dongle SI07E
(Region optional)

INTRODUCTION

Product Overview

Front View



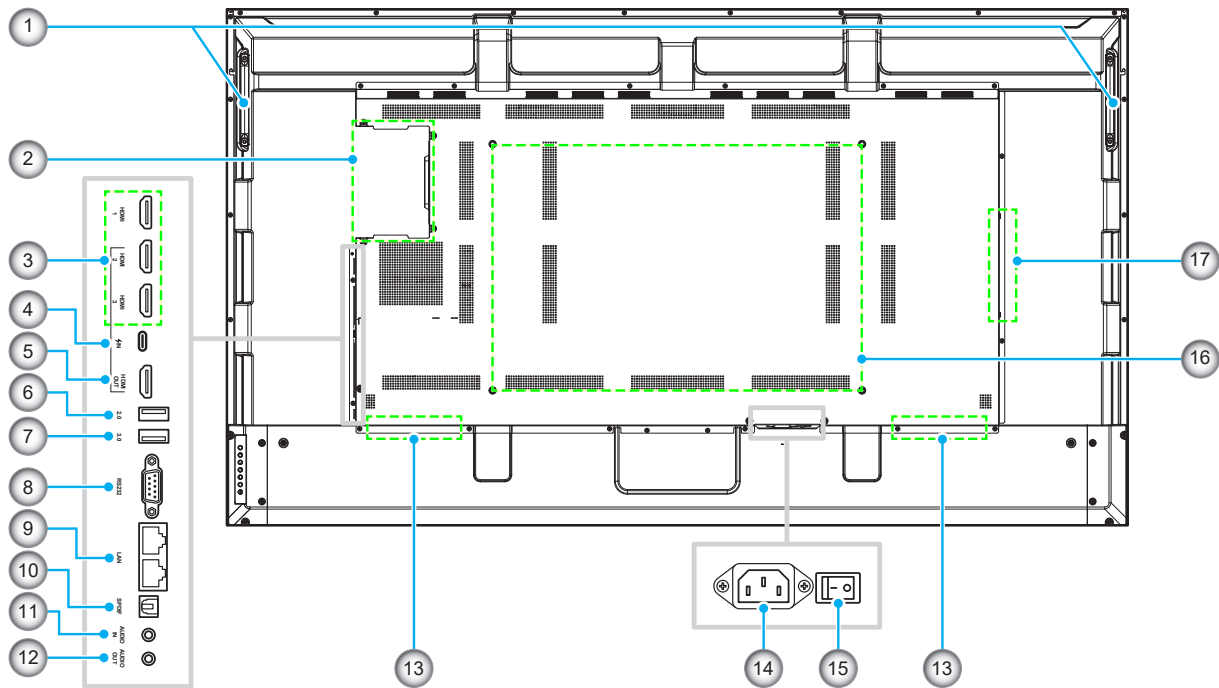
No.	Item
1.	Ambient light sensor
2.	Power LED light
3.	Power button
4.	Menu button
5.	Left (◀) button

No.	Item
6.	Right (▶) button
7.	Down (▼) / Volume Down button
8.	Up (▲) / Volume Up button
9.	Input button

Note: When the OSD menu pops up, the **Input** button can be used as a selection key.

INTRODUCTION

Rear View



No.	Item
1.	Handles (x2)
2.	OPS slot
3.	HDMI ports (x3)
4.	USB Type-C port
5.	HDMI 2.0 out port
6.	USB 2.0 port
7.	USB 3.0 port
8.	RS232 port
9.	LAN ports (x2)

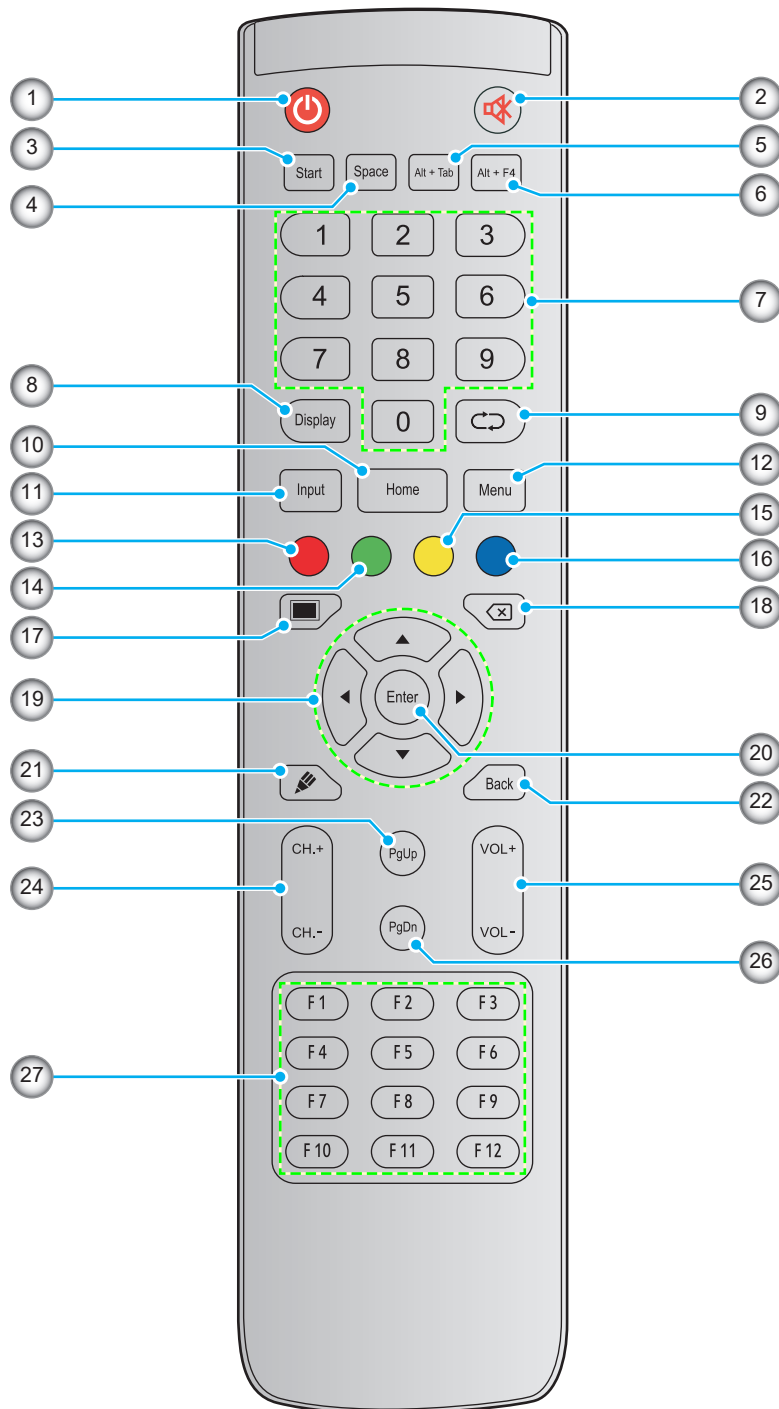
No.	Item
10.	SPDIF port
11.	Audio in jack
12.	Audio out jack
13.	Speakers (x2)
14.	AC Input 100~240V port
15.	Power switch
16.	Mounting holes for wall mount
17.	Wi-Fi slot

Note:

- Three HDMI in ports support CEC.
- USB type-C port supports DisplayPort 1.2 and power delivery (65W).
- Android and HDMI 3 port do not support HDMI Output function.
- The 43" and 55" models do not have handles or an OPS slot.

INTRODUCTION

Remote Control



No.	Button	Description
1.	Power (🔌)	Turn on/off the flat panel.
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

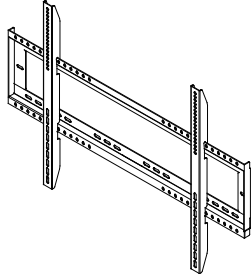
No.	Button	Description
6.	Alt+F4	Perform the same function as the Alt and F4 keys on a computer keyboard. Pressing both keys, you can close the current window.
7.	Numeric keys	Numeric input keys
8.	Display	Show the current input source and information.
9.	Repeat (↶)	View recent apps.
10.	Home	Return 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 panel) function.
14.	Green (●)	Lock or unlock the Power button (on the panel) function.
15.	Yellow (●)	No function.
16.	Blue (●)	Freeze the screen.
17.	Blank (■)	Blank the screen.
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.	Creative Board (✎)	No function.
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: If the PC module is not installed into the OPS slot, all computer-related keys will have no function

SETUP AND INSTALLATION

Wall Mounting

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



Dual mounting brackets and wall mount



Screw A (x4)



Screw B (x8)



Screw C (x2)



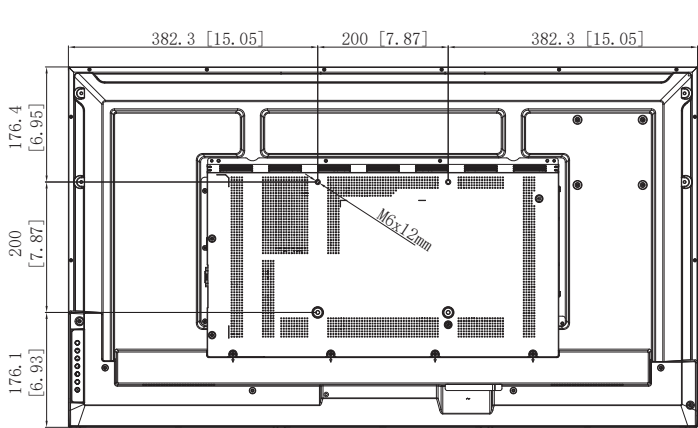
Anchor (x8)



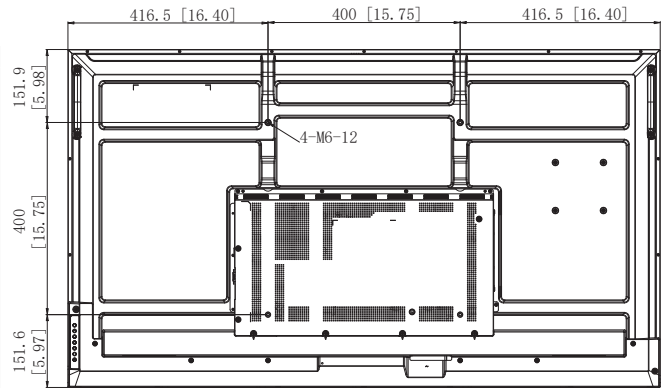
Washer (x8)

Wall Mount Specifications

Model Name	VESA Grid	Screw Type & Length
43-inch	400 x 200 mm	M6*12L
55-inch	400 x 200 mm	M6*12L
65-inch	600 x 400 mm	M8*25L
75-inch	800 x 600 mm	M8*25L
86-inch	800 x 600 mm	M8*25L
98-inch	800 x 600 mm	M8*25L

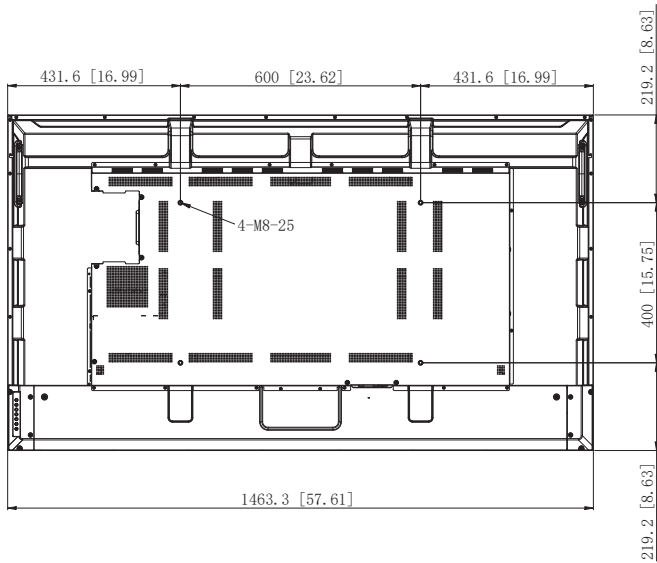


43-inch

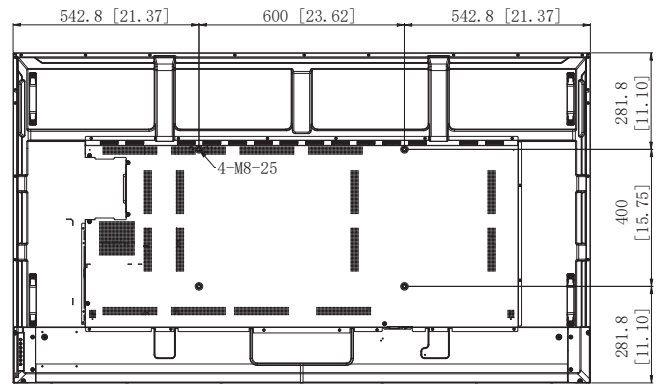


55-inch

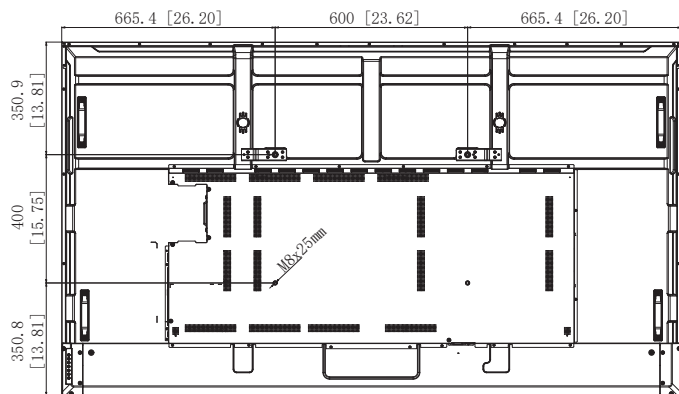
SETUP AND INSTALLATION



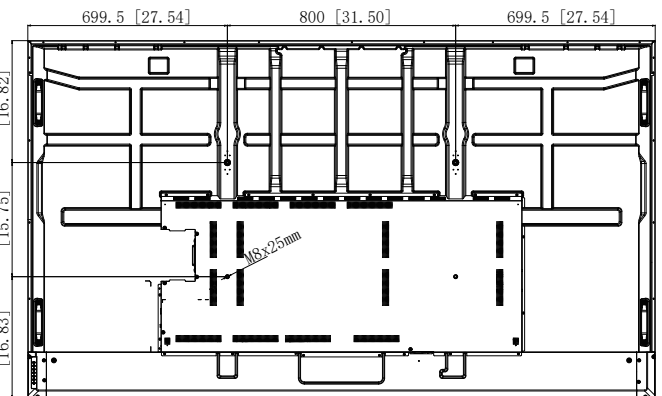
65-inch



75-inch



86-inch

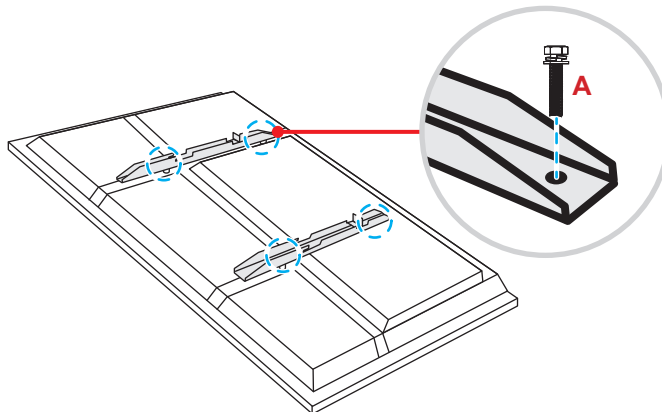


98-inch

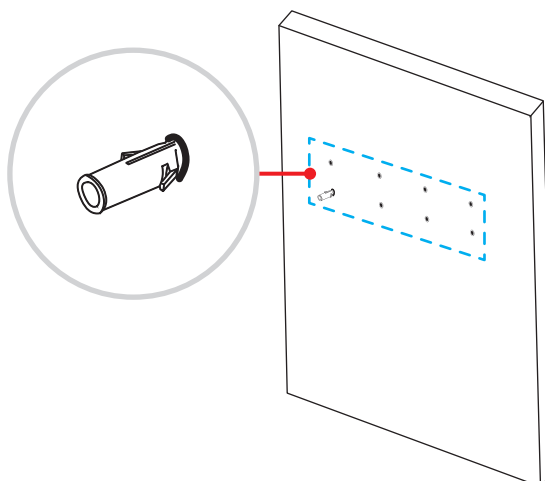
SETUP AND INSTALLATION

To mount the panel on the wall, do the following:

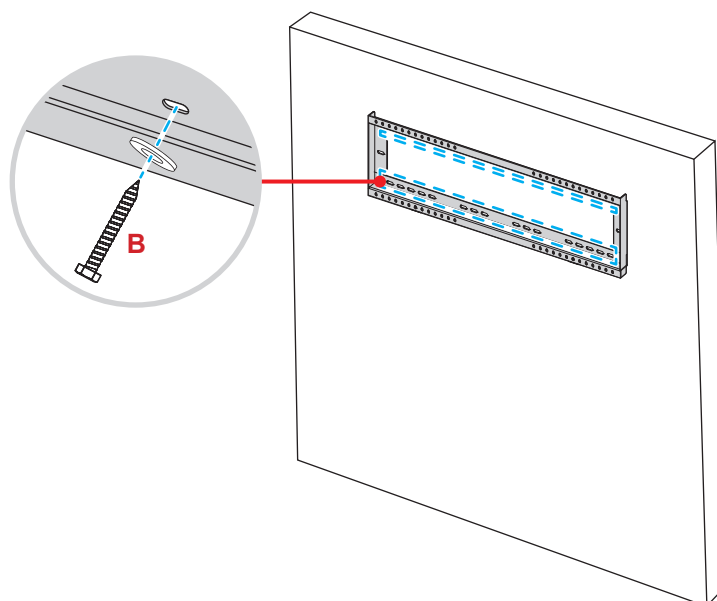
1. Install the dual mounting brackets on the rear of the panel. Then secure the brackets with four screws (A).



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

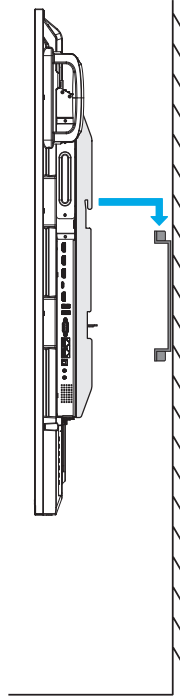


3. Position the wall mount on the wall, then secure the wall mount with eight screws (B) through the washers into the installed anchors on the wall.

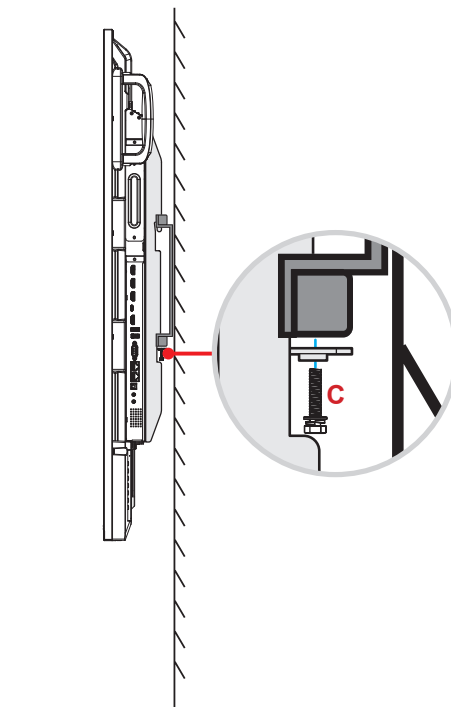


SETUP AND INSTALLATION

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 a concrete wall is not available, it is recommended that a stand installation be used instead. Please refer to page 18.*
- *Screws must be tightly secured; however, to avoid damage to the mounting brackets, wall mount, or panel, do not overtighten the screws.*
- *The installation should only be performed by qualified technicians. Improper installation may cause the panel to fall or malfunction.*
- *Please note that damage resulting from incorrect installation will void the warranty.*

SETUP AND INSTALLATION

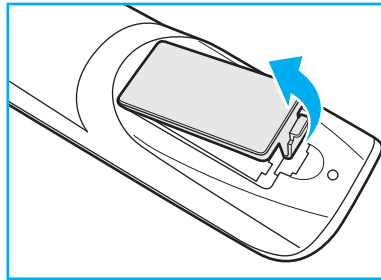
Using the Remote Control

Installing/Replacing the Remote Control Batteries

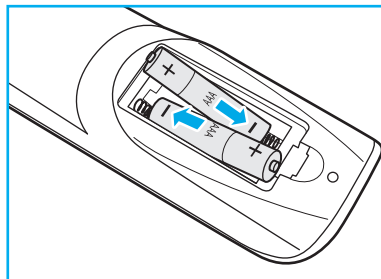
Two (2x) AAA size batteries are supplied for the remote control.

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

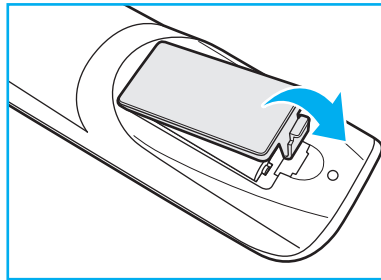
1. Remove the cover of the battery compartment.



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.

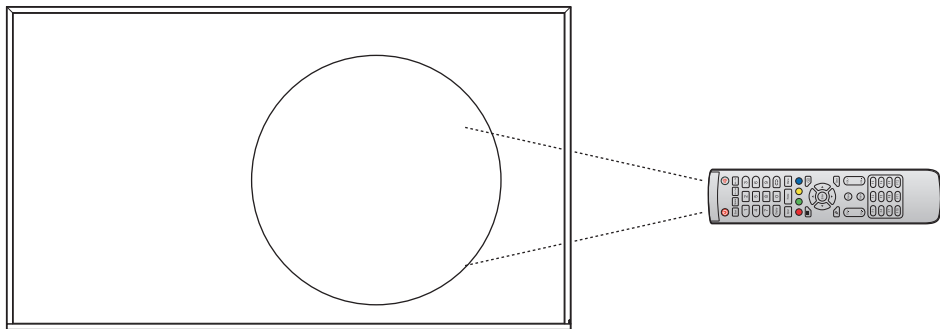
- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they are depleted. Chemicals 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 panel. The distance between the remote control and the IR sensor window should not be longer than 8 meters.

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



SETUP AND INSTALLATION

Connections

Connecting to Power

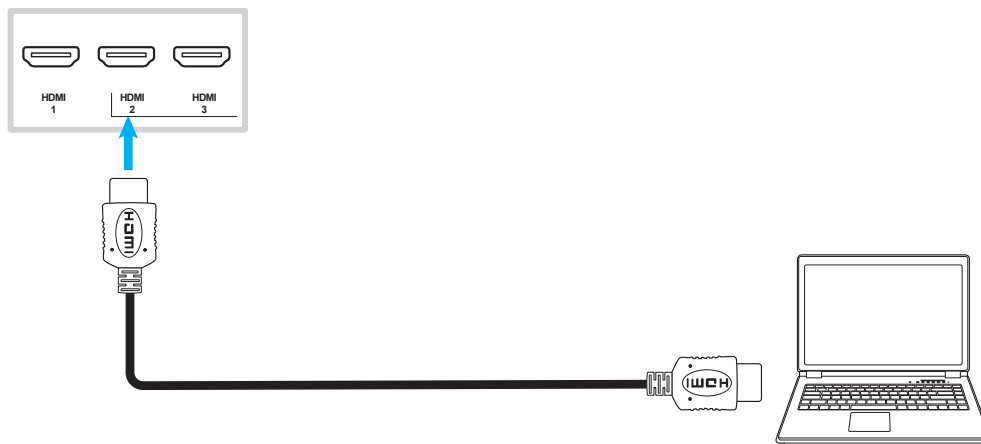
1. Connect one end of the power cord to the AC-in socket on the panel.
2. Connect the other end of the power cord to a power outlet or a power supply.
3. Set the **Power** switch to ON (I). The panel will automatically enter standby mode.



Connecting External Devices

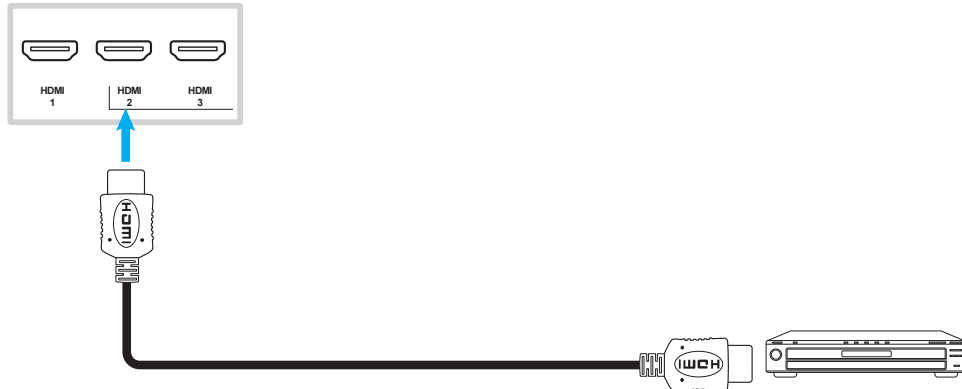
HDMI input connection

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



SETUP AND INSTALLATION

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

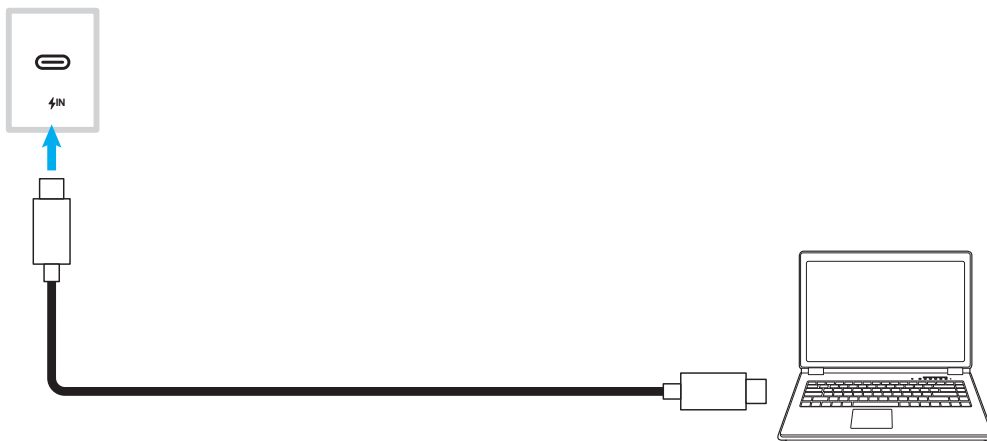


USB type-C connection

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

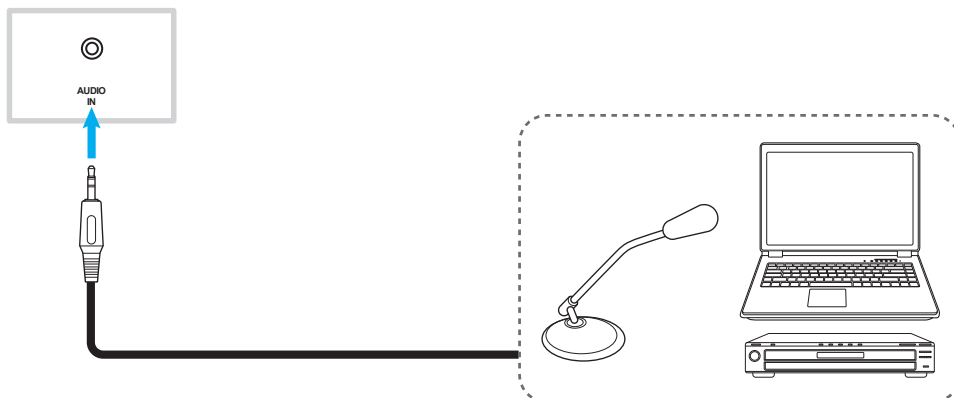
Note:

- *USB type-C can be used to transmit audio and video signals.*
- *The USB type-C port also supports power delivery and will output 65W.*



Audio input connection

Connect your 3.5 mm external microphone or other device with audio output to the Audio in jack on the panel.



SETUP AND INSTALLATION

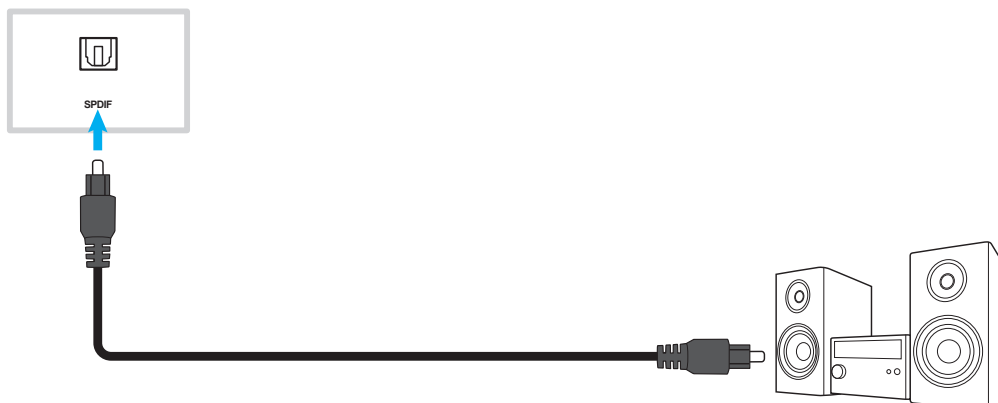
Audio output connection

Connect your external speakers to the Audio out jack on the panel.



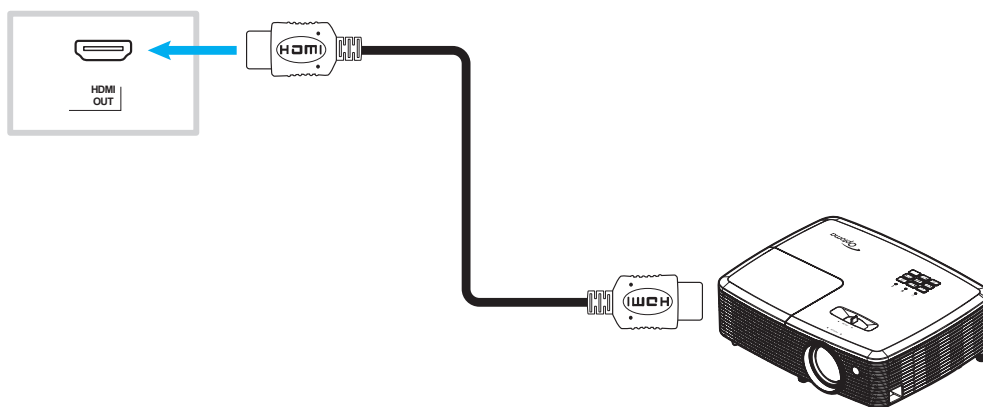
SPDIF connection

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



HDMI output connection

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

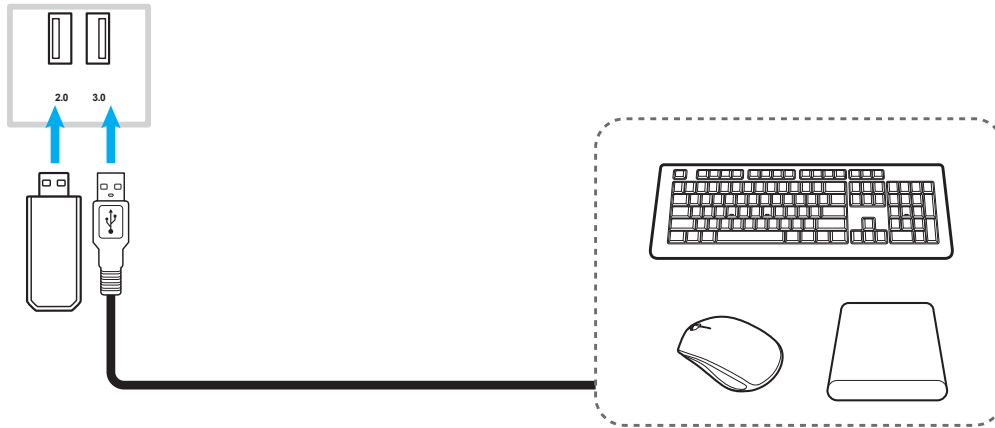


SETUP AND INSTALLATION

USB connection

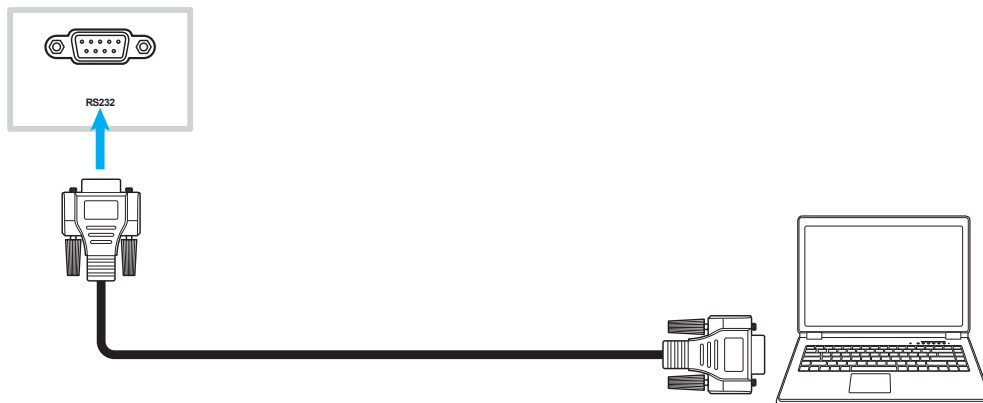
Connect your USB peripheral device to the panel using a USB cable.

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



RS232 connection

Connect your computer to the panel using a RS232 cable.



SETUP AND INSTALLATION

Wired network connection

For wired network connection, connect your router to the panel using an Ethernet cable.

Note: *If you want to connect to an external network, use the Internet port, or if you want to connect to a local area network, then use the LAN port.*



Note: *To configure network settings, refer to “Wireless & Network” on page 36.*

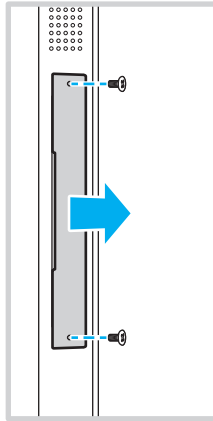
SETUP AND INSTALLATION

Wi-Fi connection (optional)

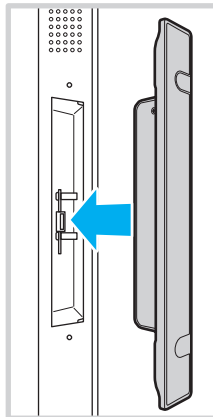
For a Wi-Fi connection, you must first install a Wi-Fi dongle into the Wi-Fi slot on the right side of the panel. These devices can receive wireless signals in areas where Wi-Fi networks are available.

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 in the Wi-Fi slot on the panel.



Note: To configure Wi-Fi settings, refer to “Wireless & Network” on page 36.

USING THE DISPLAY


Powering On/Off

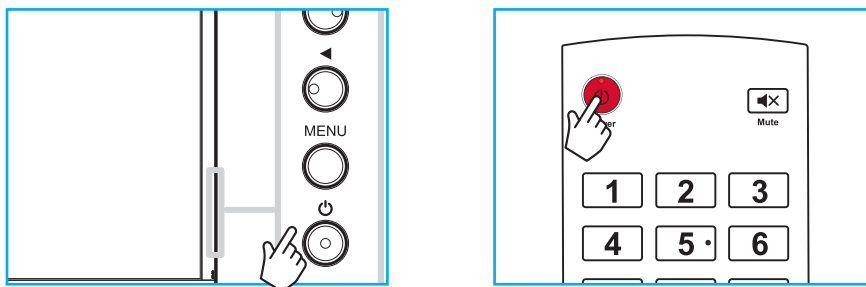
Powering on

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



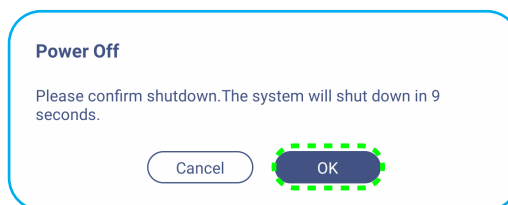
Press the **Power** button to turn the panel on. The LED indicator light turns blue, indicating it is ready to use.

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




Powering off

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



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

Note:

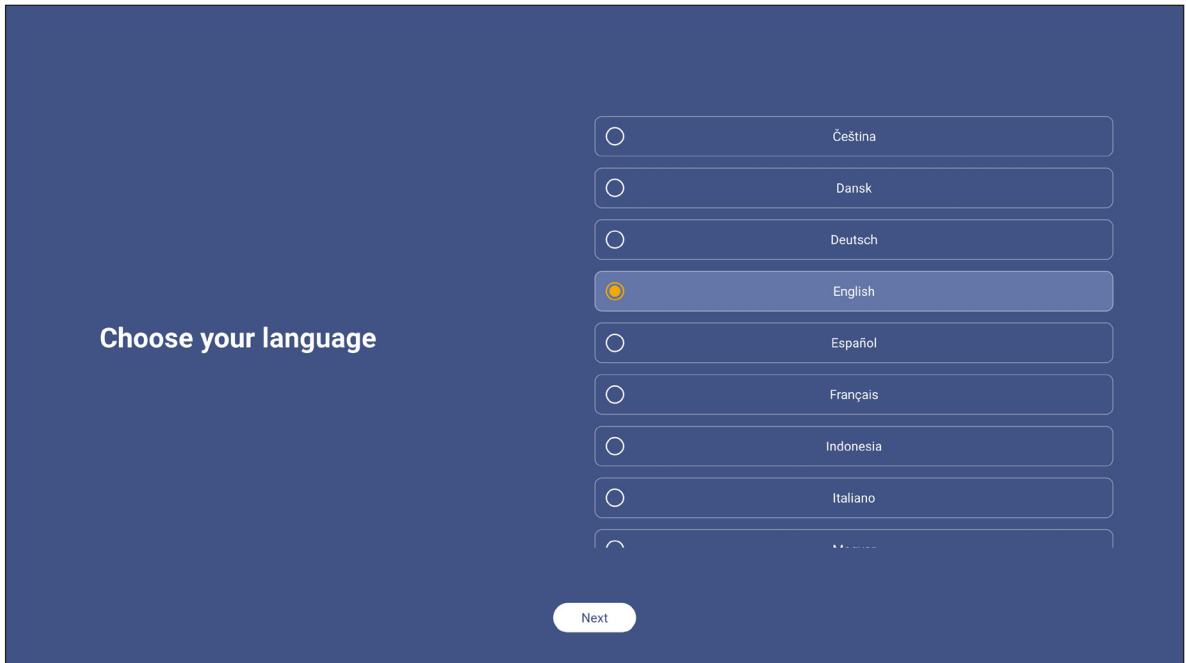
- You can also press the  button on the remote control to turn off the panel.
- The panel still consumes power when it is in standby mode. It is highly recommended to unplug the power cord from the power outlet if the panel will not be used for an extended period of time.

USING THE DISPLAY

Setup Wizard

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

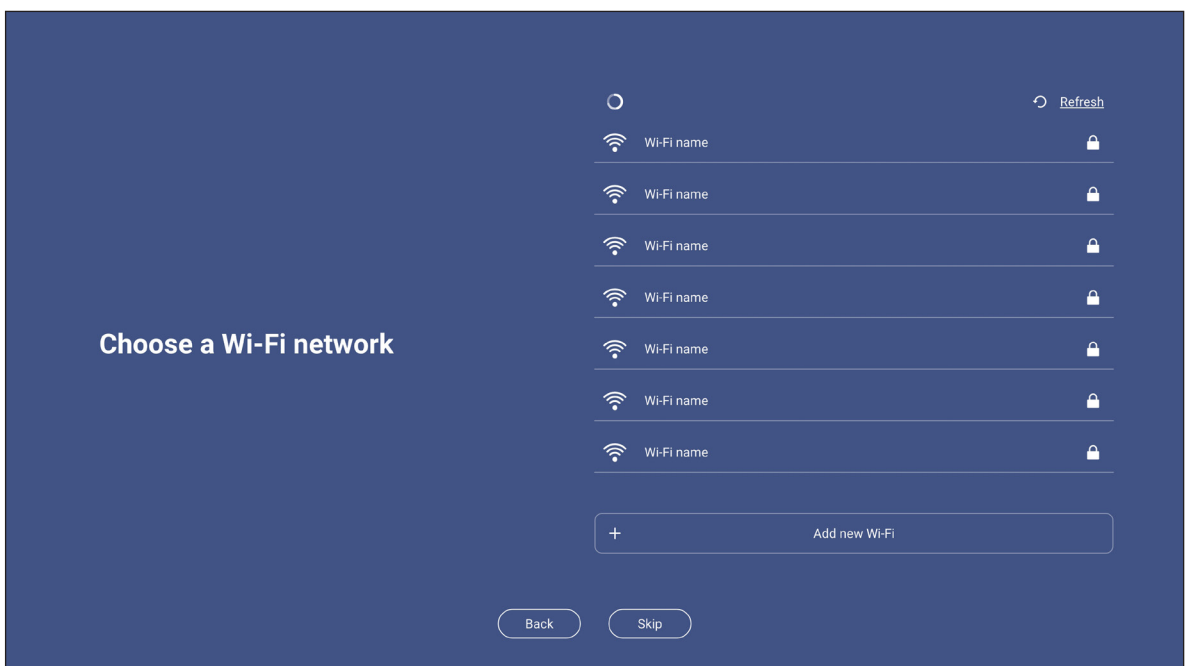
1. Select the language for the on-screen display (OSD) menu. Select **Next** to continue.



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

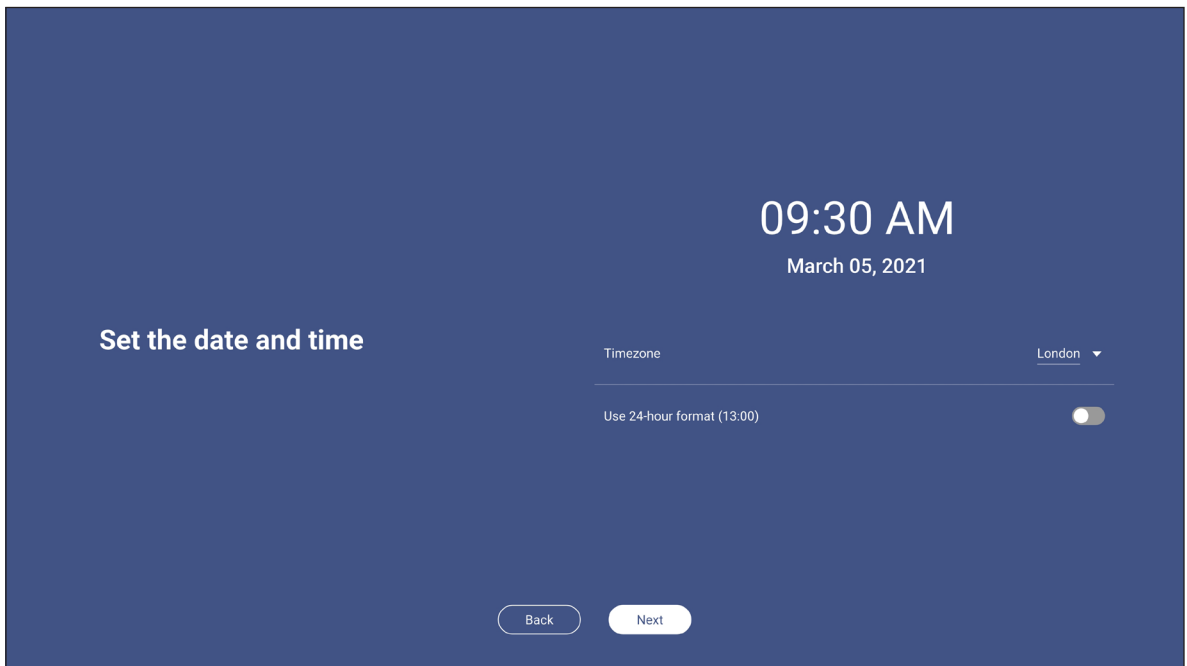
IMPORTANT!

- *To connect to a wireless network, make sure the Wi-Fi dongle is properly plugged into the Wi-Fi dongle slot. Refer to page 25.*
- *If you are connecting to a secure network, you will need to enter the password when connecting for the first time only.*

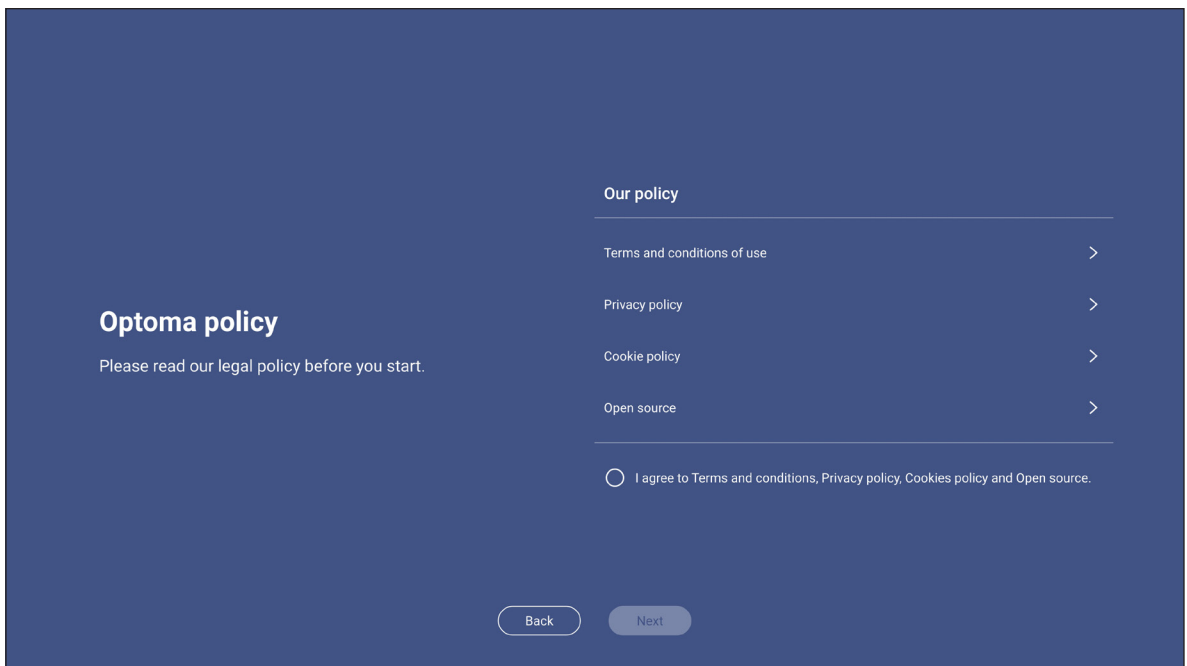


USING THE DISPLAY

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



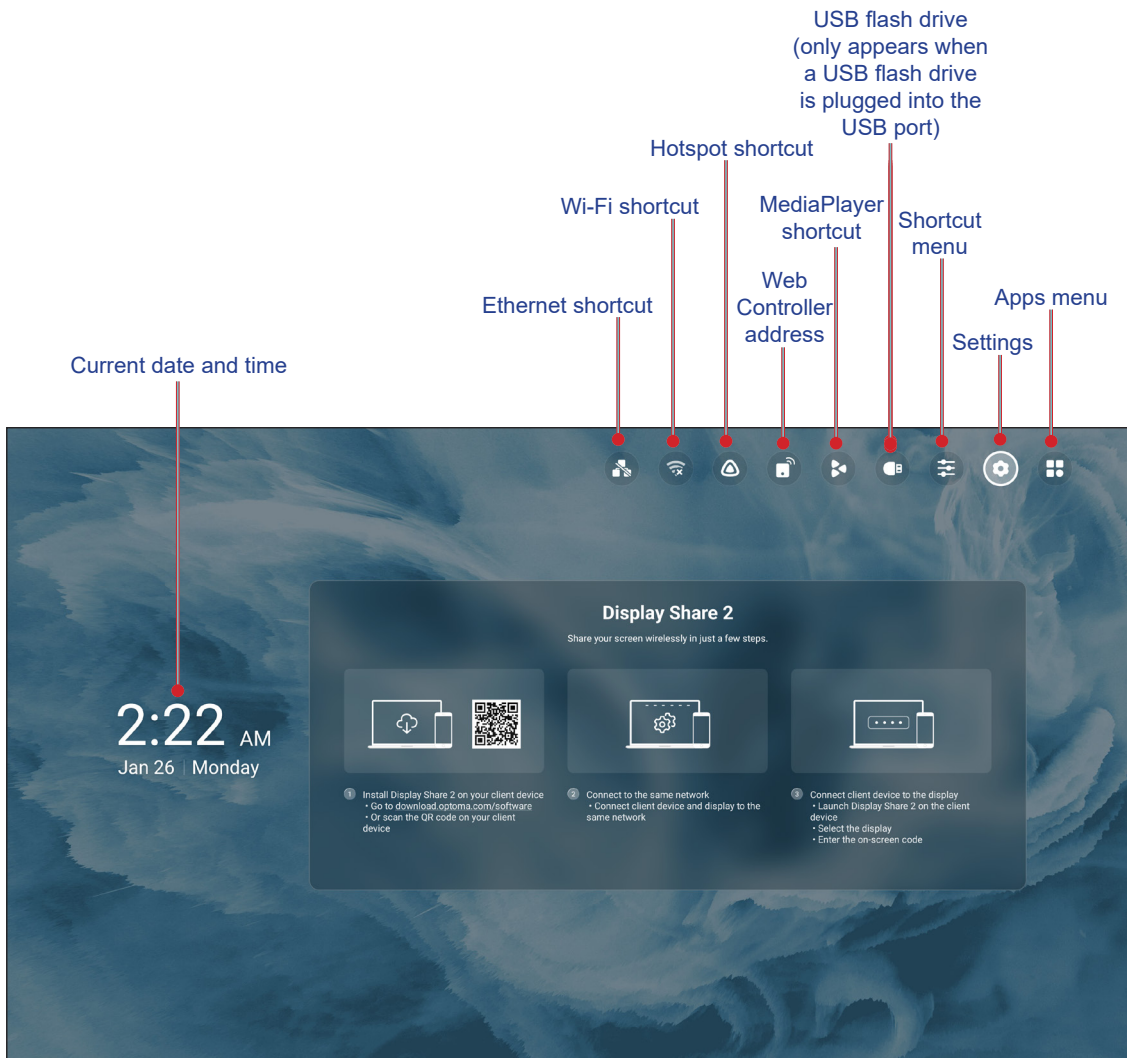
4. Read Optoma's legal policies, including Terms and conditions of use, Privacy policy, Cookie policy, and Open source. Check the **I agree to Terms and conditions, Privacy policy, Cookies policy and Open source** radio key and then select **Next** to complete the setup. The panel is now ready to use.



BASIC OPERATIONS

Home Screen Overview

The home screen is displayed every time you start the panel.



To navigate the home screen, press the ▲, ▼, ◀, or ▶ button to select an option. Press the **Enter** button to confirm your selection.

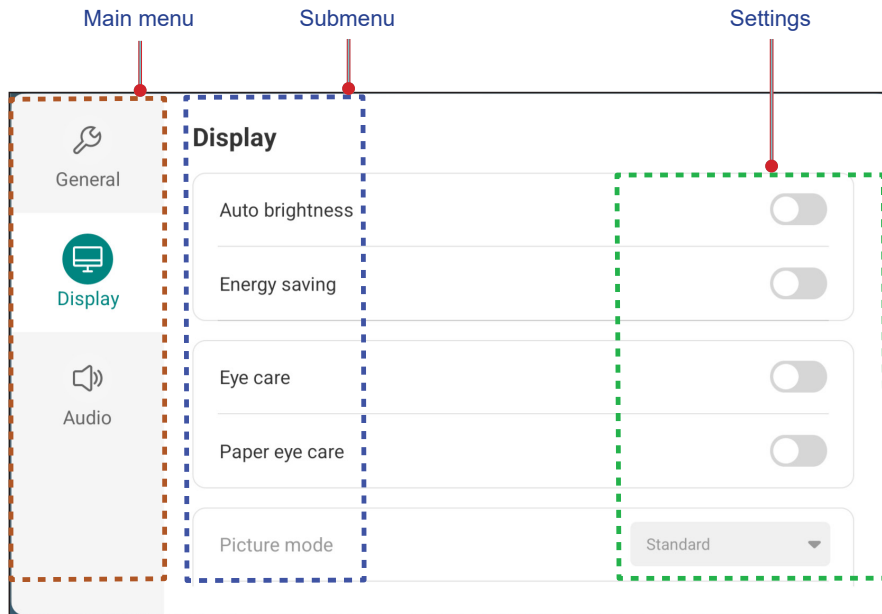
Note:

- Unless otherwise specified, this section describes panel operations using the remote control.
- You can also use the control panel or mouse to operate the panel.

BASIC OPERATIONS

Shortcut Menu

To open the Shortcut menu and configure the settings, you can either use the remote control or the control panel.

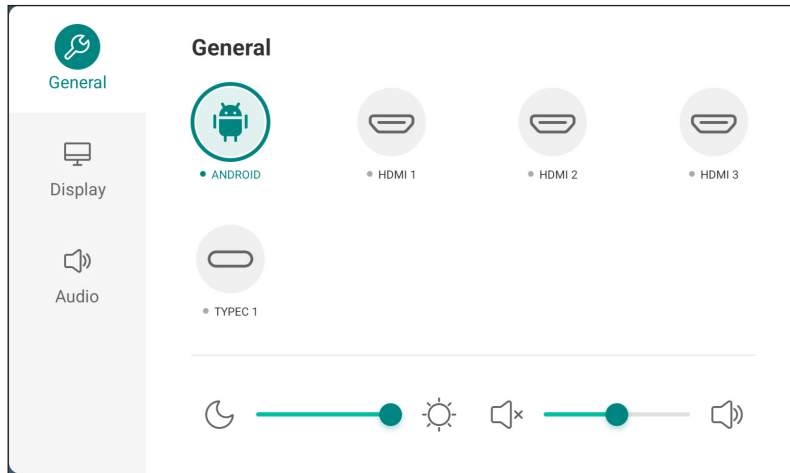


Operation/Action	Using the Remote Control	Using the Control Panel
Open the Shortcut menu	Press the Menu or Input button	Press the MENU or INPUT button
Select an item	Press the ▲ or ▼ button	Press the ▲ or ▼ button
Enter the submenu	Press the ▶ button	Press the ▶ button
Adjust the setting	Press the ◀ or ▶ button	Press the ◀ or ▶ button
Confirm the selection	Press the Enter button	Press the INPUT button
Move to the previous item	Press the Back , ◀ , or Menu button	Press the ◀ or MENU button
Close the Shortcut menu	Toggle the Menu button	Toggle the MENU button

BASIC OPERATIONS

General Settings

Use the General tab to configure display and input settings.

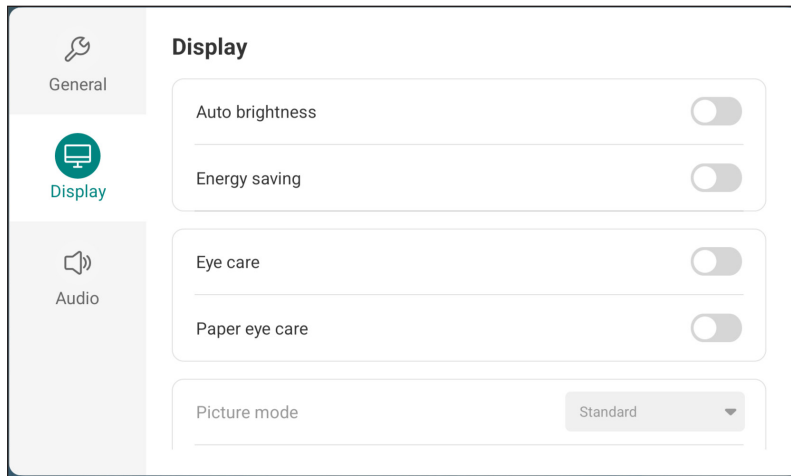


- Select one of the available input channels: ANDROID, HDMI 1, HDMI 2, HDMI 3, or TYPEC 1.
- Select the **Brightness** slider bar and press the ◀ or ▶ button to adjust the screen brightness level.
- Select the **Volume** slider bar and press the ◀ or ▶ button to adjust the volume level.

BASIC OPERATIONS

Display Settings

Use the Display tab to configure brightness, eye care, color temperature, and other display settings.



- Select **Auto brightness** to allow the system automatically adjust the brightness level depending on the ambient light conditions.
- Select **Energy saving** to enable or disable the power saving mode. When enabled, the screen will automatically turn off after 1 minute in low ambient brightness.
- Select **Eye care** to 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 eye strain, retina damage, and affect vision over time. Optoma Low Blue Light is an eye protection feature that can reduce the blue light.*
- *To protect 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 them for a minute.*
- Select **Paper eye care** to 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.
- Select **Picture mode** to choose one of the available picture mode options: Standard, Bright, Soft, or Custom.

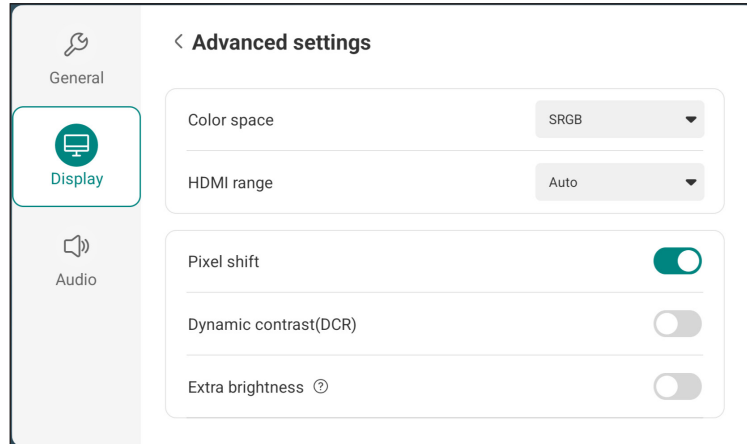
Note:

- *Image settings can only be adjusted with HDMI, DisplayPort, OPS, and Type-C input. With an Android source, image settings can't be adjusted and will be grayed out.*
- *If the Picture mode setting is set to **Custom**, you can customize image settings.*
- Select **Color Temperature** to choose 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.*

BASIC OPERATIONS

- Select **Advanced settings** to configure advanced image settings.



- Select **Color space** to choose an appropriate color matrix type.
- Select **HDMI range** to choose the HDMI range setting.
- Select **Pixel shift** to enable or disable the pixel shift function.

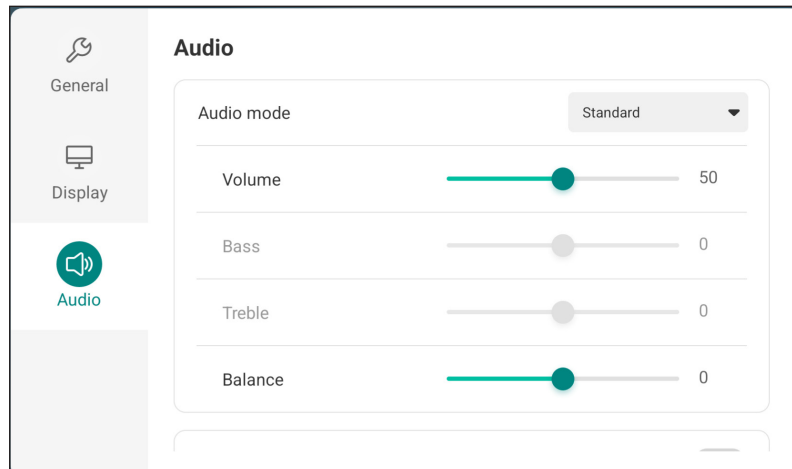
Note:


- *Pixel shift helps prevent image retention.*
- *All input sources except Android support pixel shift.*
- Select **Dynamic contrast (DCR)** to 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.
- Select **Extra brightness** to enable or disable the Extra brightness function. When enabled, system white balance parameters will be disabled to allow for extra brightness.

BASIC OPERATIONS

Audio Settings


Use the Audio tab to configure volume and other audio settings.



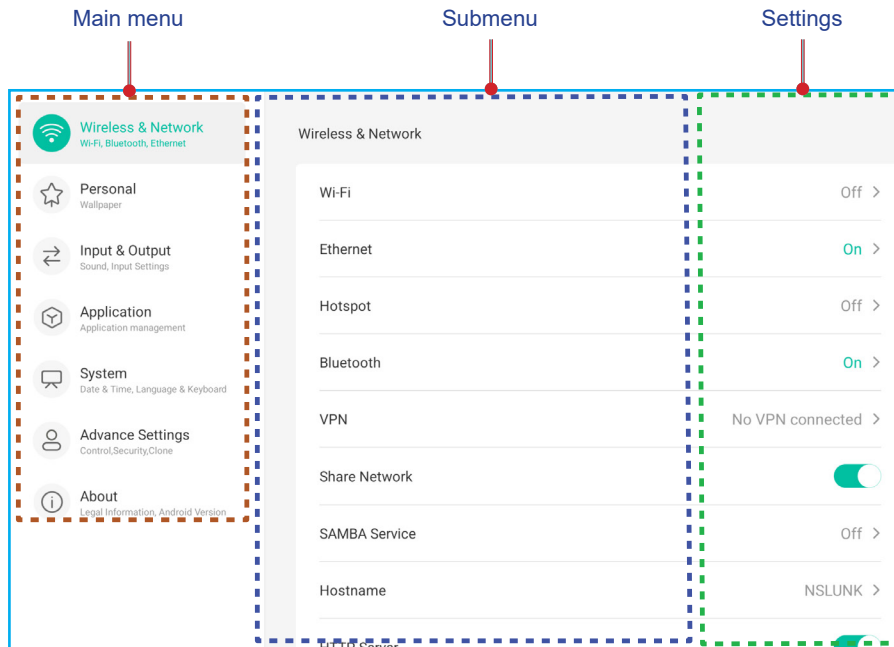
- Select **Audio mode** to choose one of the available audio mode options: Standard, Meeting, Class, or Custom.
Note: If the Audio mode setting is set to **Custom**, you can customize audio settings by adjusting the bass and treble levels.
- Select **Volume** to adjust the volume level.
- Select **Bass** to adjust the bass level.
- Select **Treble** to adjust the treble 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.
- Select **Balance** to adjust the sound balance level.
- Select **Mute** to mute or unmute audio.
Note: You can also mute or unmute audio by pressing the  button on the remote control.

BASIC OPERATIONS

Settings Menu

To open the **Settings** menu, select the  button on the home screen and press the **Enter** button on the remote control.

Note: Settings can only be modified in Android mode.



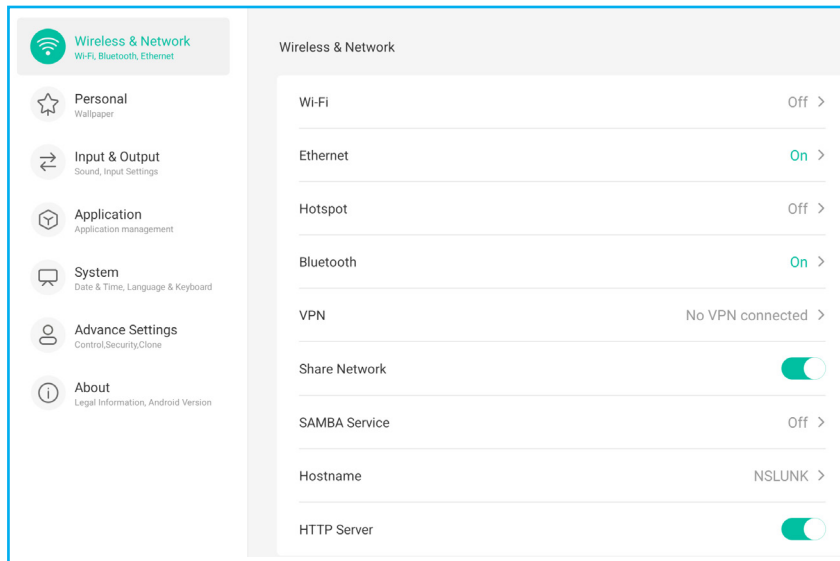
To navigate the **Settings** menu, you can use either the remote control or the control panel.

Operation/Action	Using the Remote Control	Using the Control Panel
Select an item	Press the ▲ or ▼ button	Press the ▲ or ▼ button
Enter the submenu	Press the ► button	Press the ► button
Adjust the setting	Press the ◀ or ▶ button	Press the ◀ or ▶ button
Confirm the selection	Press the Enter button	Press the INPUT button
Move to the previous item	Press the Back or ◀ button	Press the ◀ button
Close the Settings menu	Toggle the Back button	N/A

BASIC OPERATIONS

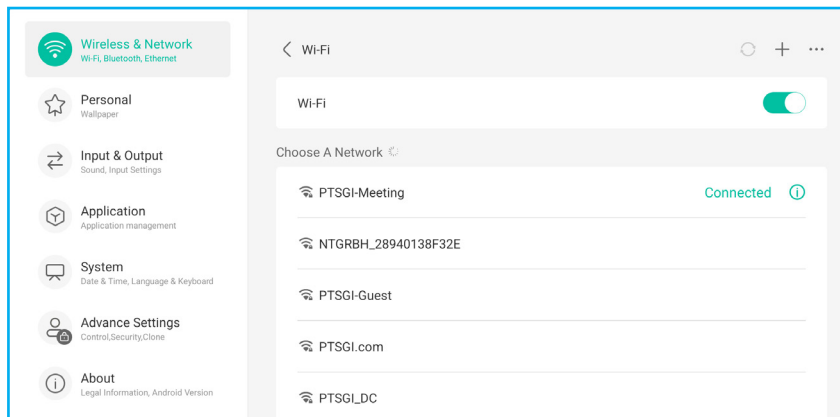
Wireless & Network



Use the Wireless & Network settings to configure network connection settings.




- Select **Wi-Fi** to connect the panel to the Wi-Fi network and view current connection status. Make sure the Wi-Fi function is enabled. In the **Choose A Network** list, select your preferred Wi-Fi network. Provide a password if needed.

IMPORTANT! To connect to a Wi-Fi network, make sure the Wi-Fi dongle is properly connected to the panel. For more information, refer to page 25.

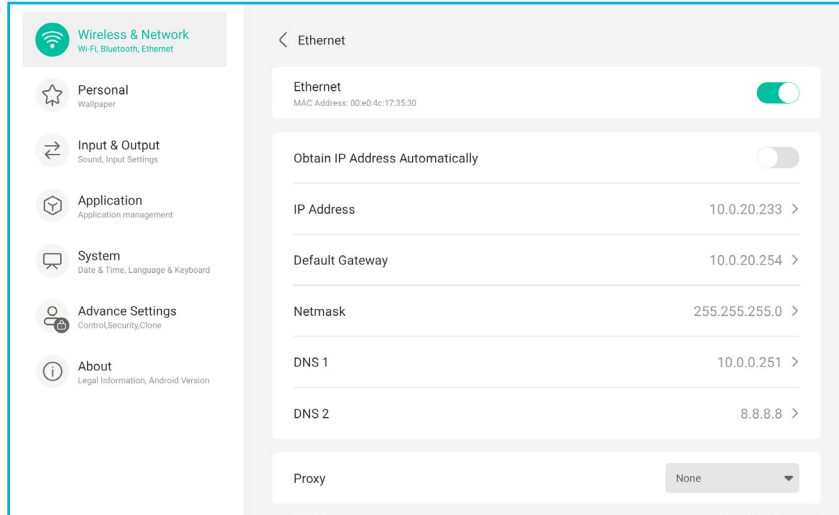


Note: If your preferred Wi-Fi network is not visible in the list, select  to refresh the list. To enter the Wi-Fi network manually, select .

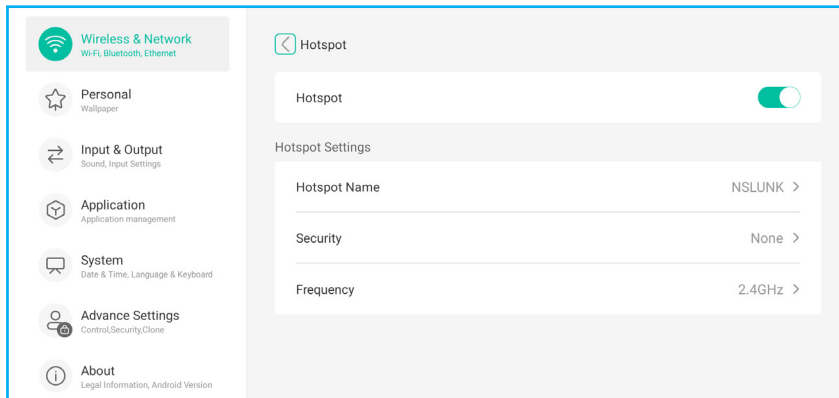
BASIC OPERATIONS

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

IMPORTANT! To connect to a wired network, you need to properly connect an ethernet cable between the wired network device (such as a router or switch) and the panel.



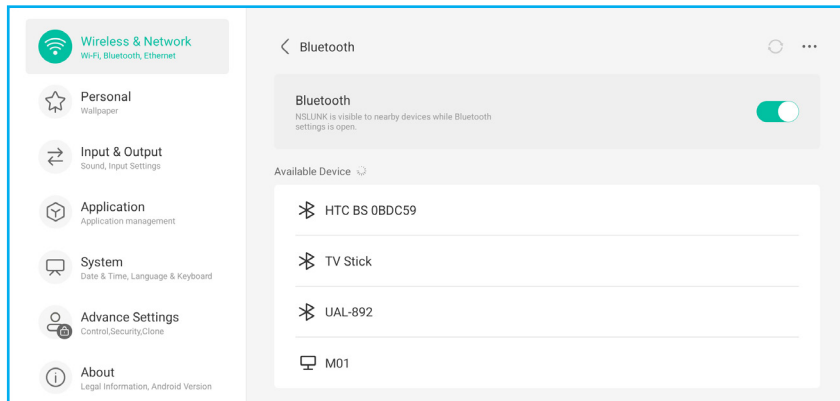
- Select **Hotspot** to share the Wi-Fi network with other wireless devices. Modify the network name and set an access password if necessary.



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

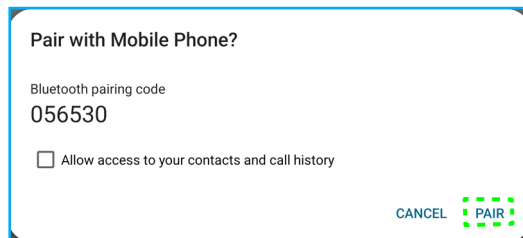
BASIC OPERATIONS

- Select **Bluetooth** to enable Bluetooth and connect to nearby Bluetooth devices. This display supports Bluetooth version 5.2. From the *Available Device* list, select the device you want to connect to.

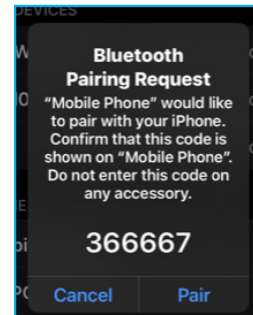


Make sure the pairing codes match on both devices. Then select **Pair** to confirm the connection.

Panel



Mobile Device



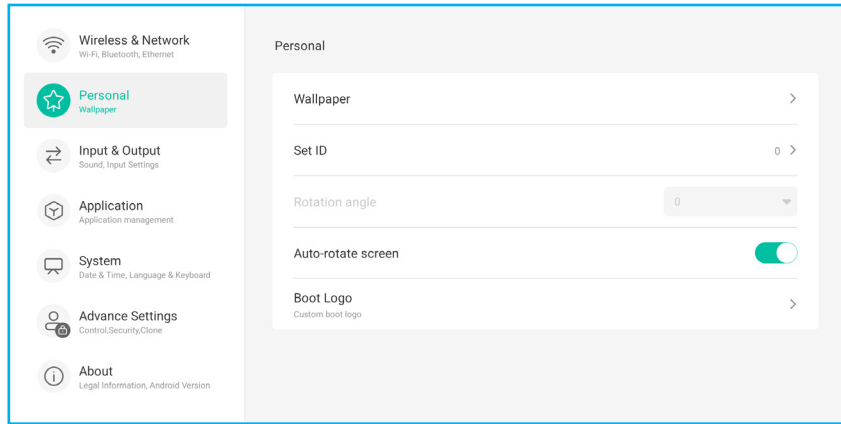
Note: If the Bluetooth device is not visible in the list of available devices, make sure the device is near the panel and Bluetooth is enabled. Then select ↻ to refresh the list.

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

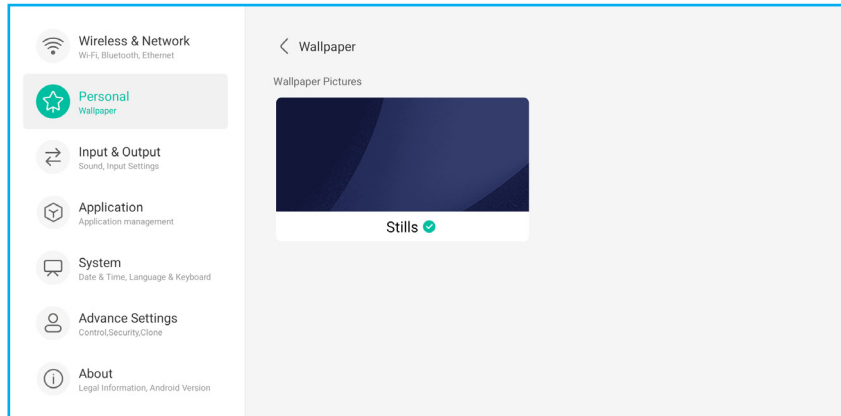
BASIC OPERATIONS

Personal

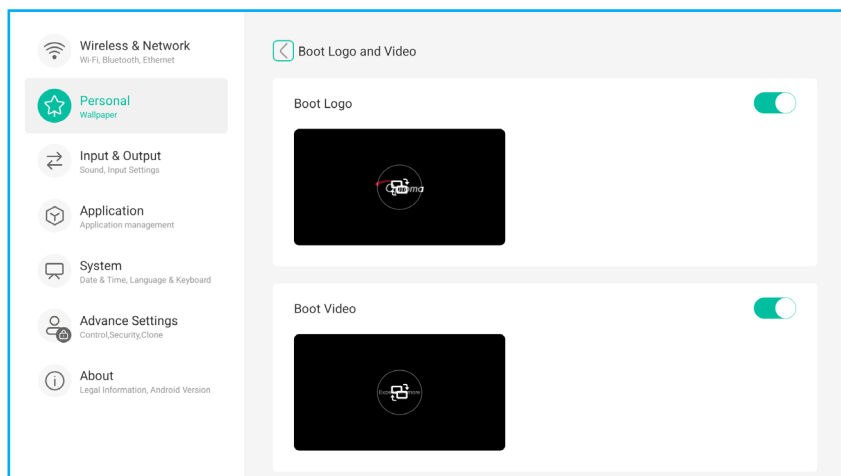
Use the Personal settings to personalize the panel.



- Select **Wallpaper** to choose a wallpaper for the home screen.



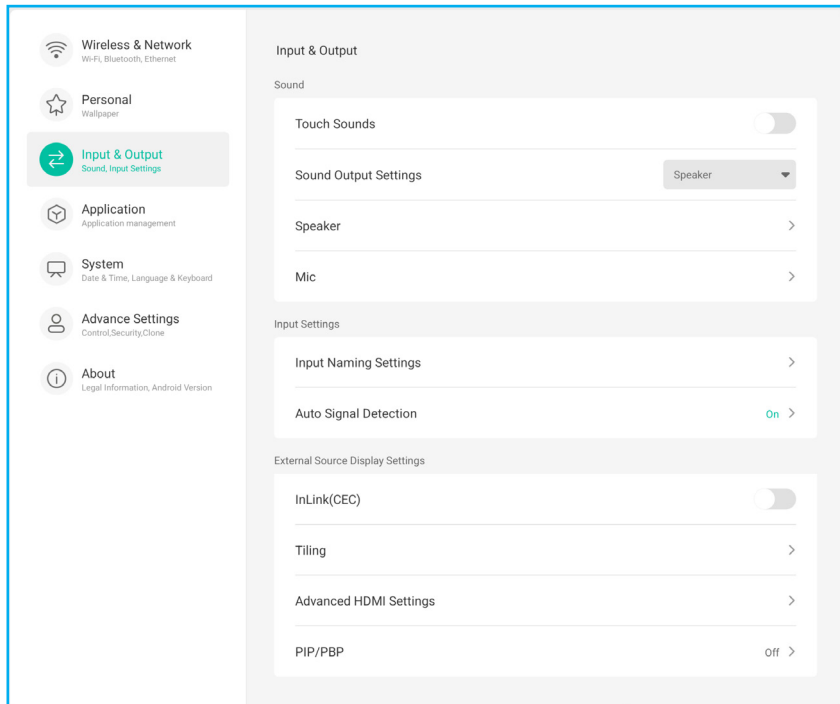
- Select **Set ID** to set an ID for the device.
- Select **Auto-rotate screen** to enable or disable automatic screen rotation.
- Select **Boot Logo** to choose a custom logo to display upon startup.



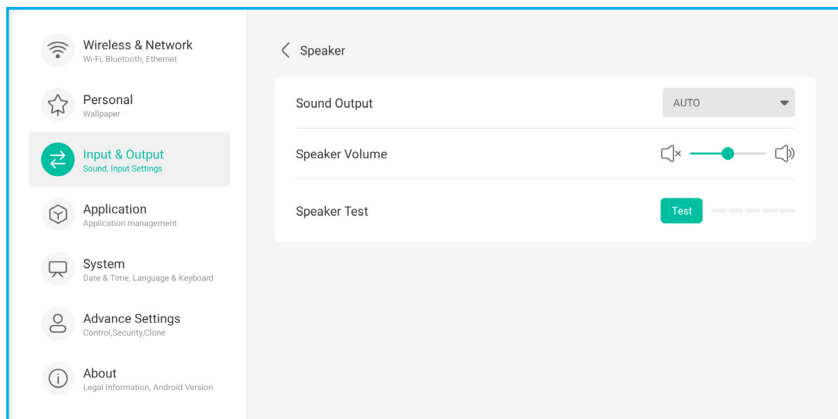
BASIC OPERATIONS

Input & Output

Use the Input & Output settings to configure input and output device settings.

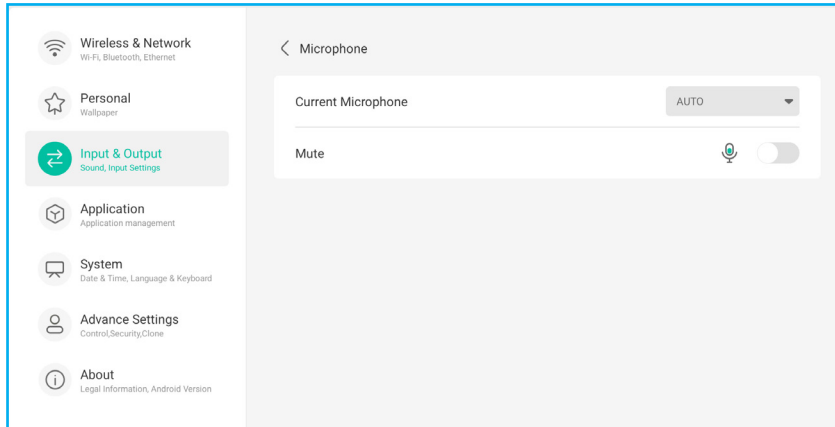


- Select **Touch Sounds** to enable or disable sounds when an option is selected.
- Select **Sound Output Settings** to select an audio output source.
- Select **Speaker** to select a speaker to output sound, adjust the volume, and test the speaker.

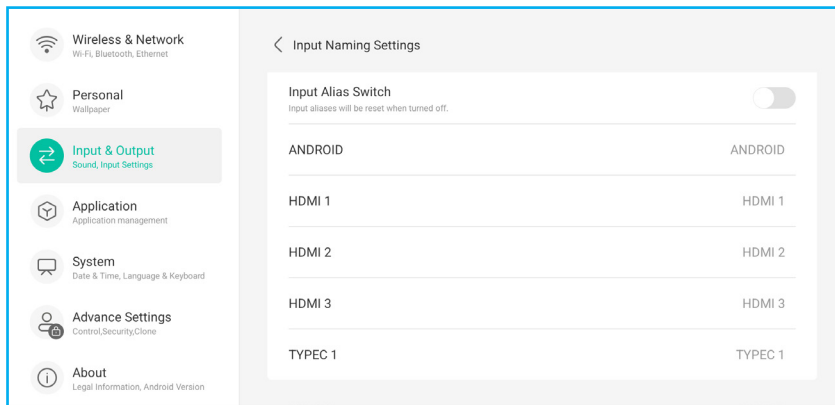


BASIC OPERATIONS

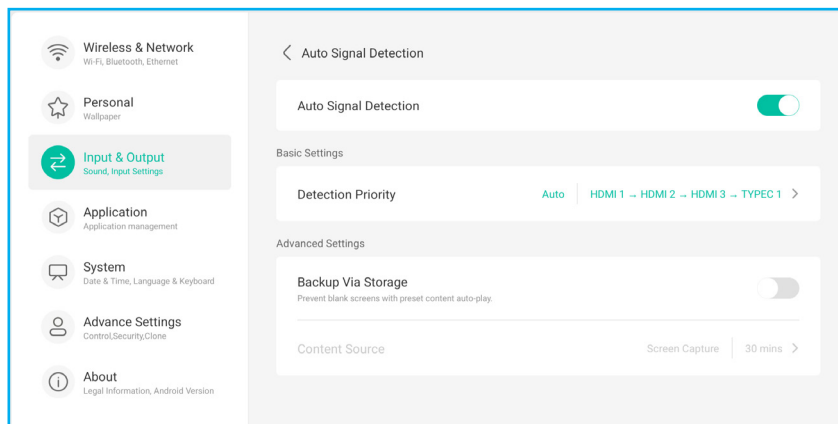
- Select **Mic** to select a microphone and enable or disable mute.



- Select **Input Naming Settings** to enable or disable aliases for input sources and configure aliases for input sources.

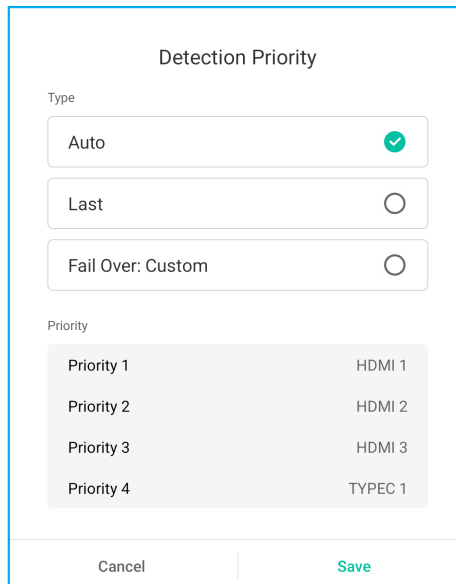


- Select **Auto Signal Detection** to automatically detect the input source. Select any of the following:



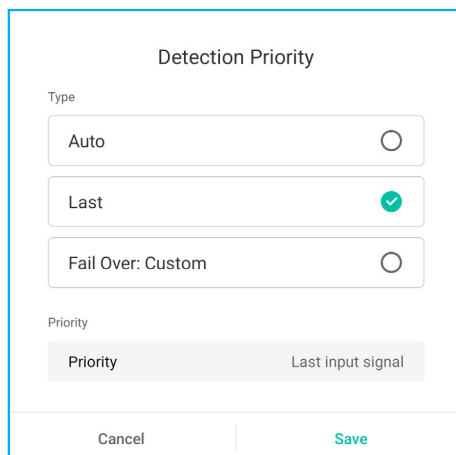
BASIC OPERATIONS

- **Auto** to make the panel detect the top-priority input source. If that source loses signal, the panel will jump to the next highest priority input channel with signal.



The screenshot shows the 'Detection Priority' menu. Under the 'Type' section, 'Auto' is selected with a green checkmark, while 'Last' and 'Fail Over: Custom' are unselected. Under the 'Priority' section, a list of input sources is shown: Priority 1 (HDMI 1), Priority 2 (HDMI 2), Priority 3 (HDMI 3), and Priority 4 (TYPEC 1). The 'Auto' option is highlighted in grey. At the bottom, there are 'Cancel' and 'Save' buttons.

- **Last** to make the panel automatically switch to the most recently inserted input source when a signal from that source is detected.



The screenshot shows the 'Detection Priority' menu. Under the 'Type' section, 'Last' is selected with a green checkmark, while 'Auto' and 'Fail Over: Custom' are unselected. Under the 'Priority' section, a single option 'Priority' with the value 'Last input signal' is shown and highlighted in grey. At the bottom, there are 'Cancel' and 'Save' buttons.

BASIC OPERATIONS

- **Fail Over: Custom** to configure a custom priority order in which input sources will be detected.

Note: If you manually switch to the Android input source, you can choose whether or not to interrupt automatic source switching until the next time an input source switch occurs.

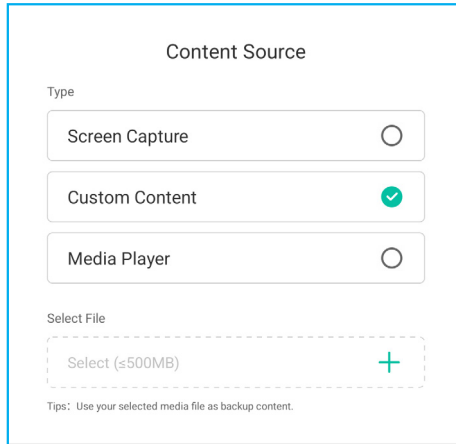
The screenshot shows the 'Detection Priority' settings screen. Under the 'Type' section, there are three radio button options: 'Auto', 'Last', and 'Fail Over: Custom'. The 'Fail Over: Custom' option is selected, indicated by a green checkmark. Below this, the 'Priority' section lists four priority levels. Priority 1 is set to 'HDMI 1', Priority 2 to 'HDMI 2', Priority 3 to 'HDMI 3', and Priority 4 to 'TYPEC 1'. Each priority level has up and down arrow icons for reordering. At the bottom of the screen are 'Cancel' and 'Save' buttons.

- Select **Backup Via Storage** to enable or disable backup so locally stored content can be played if all input source signals are lost. Select any of the following:
 - **Screen Capture** to capture and backup the current display content to play for the selected duration.

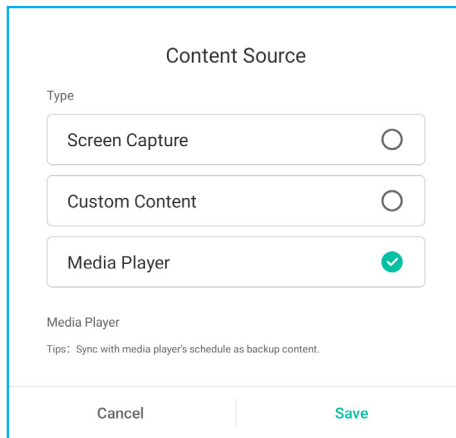
The screenshot shows the 'Content Source' settings screen. Under the 'Type' section, there are three radio button options: 'Screen Capture', 'Custom Content', and 'Media Player'. The 'Screen Capture' option is selected, indicated by a green checkmark. Below this, the 'Capture time interval' is set to '30 mins' in a dropdown menu. At the bottom of the screen are 'Cancel' and 'Save' buttons. A small tip at the bottom reads: 'Tips: Capture and archive current display as a backup playback at your intervals.'

BASIC OPERATIONS

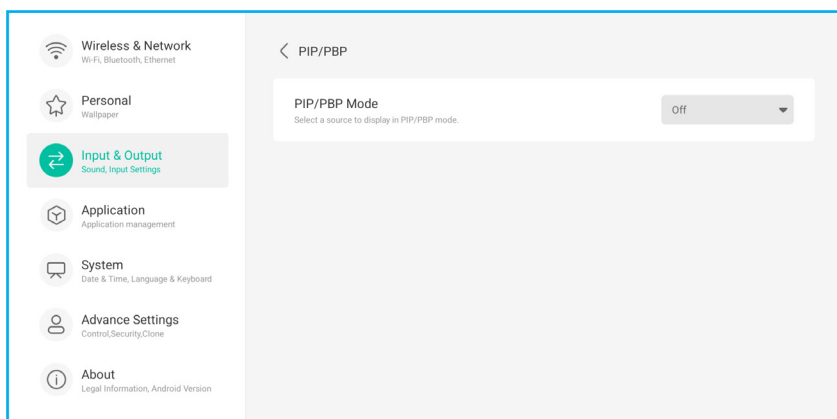
- **Custom Content** to select a multimedia file to backup and play.



- **Media Player** to sync with MediaPlayer's schedule to backup and play scheduled playlists.

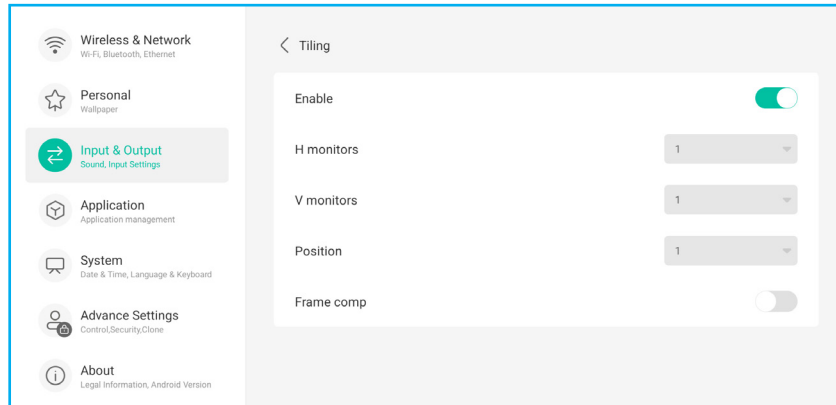


- Select **PIP/PBP** to select a source to display in PIP/PBP mode, allowing the panel to display an input source on two different screens simultaneously.

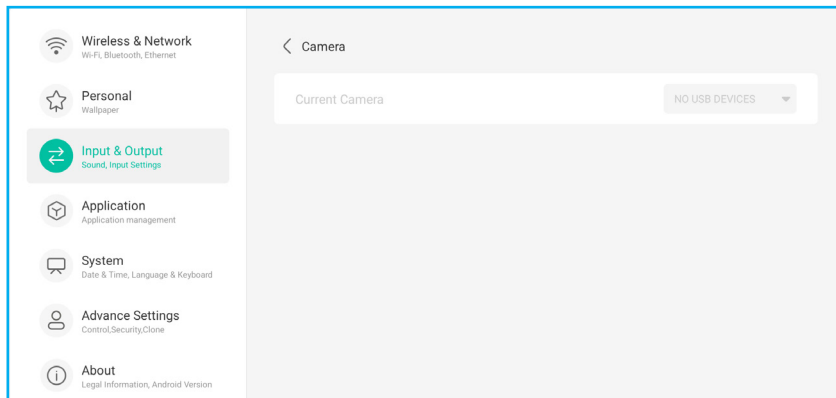


BASIC OPERATIONS

- Select **InLink CEC** to make it so any devices connected via HDMI can be controlled with the panel's remote control or other connected device, given that HDMI-CEC is supported and enabled on the device.
- Select **Tiling** to configure the tiling related settings. Select any of the following:



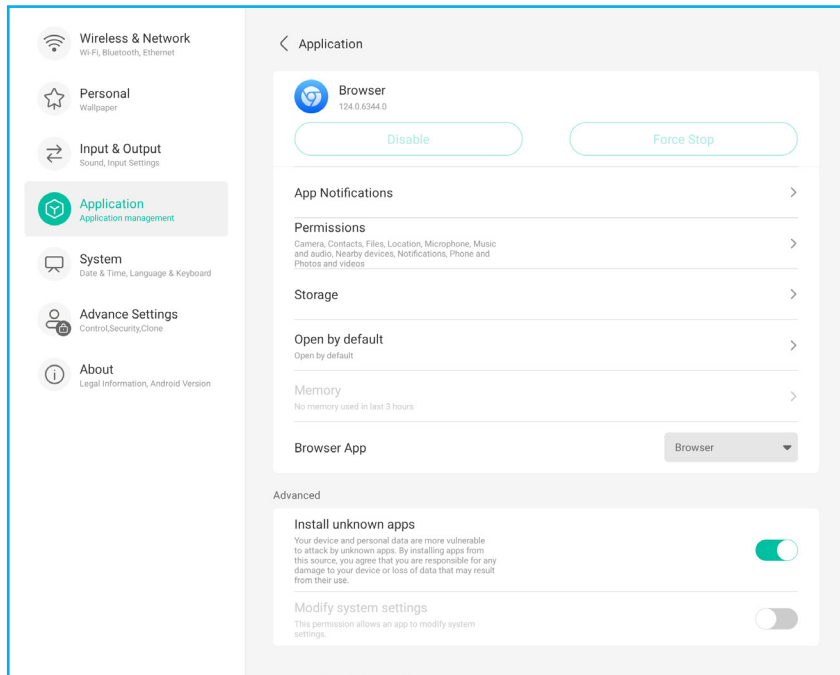
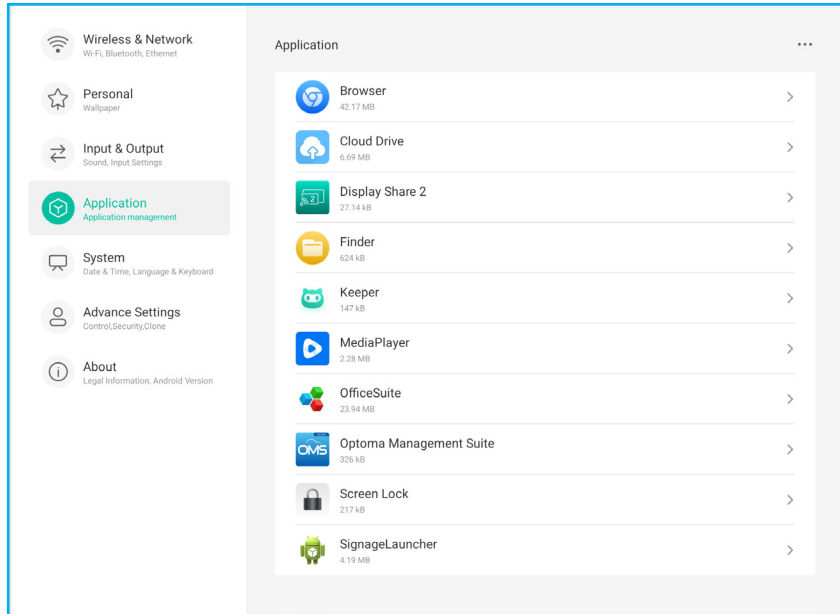
- **Enable** to enable or disable the tiling function, which allows you to configure the panel display for external sources.
 - **H monitors** to specify the horizontal position for the monitors in the tiled display.
 - **V monitors** to specify the vertical position for the monitors in the tiled display.
Note: The maximum value for both H monitors and V monitors is 5.
 - **Position** to specify the position of the current machine in the tiled display.
 - **Frame comp** to enable or disable border compensation, which eliminates the gap when a single image is displayed across multiple screens. If enabled, the system will automatically adjust the image to compensate for the gap between each display area.
- Select **Camera** to select a camera and preview its content on the panel's screen.



BASIC OPERATIONS

Application

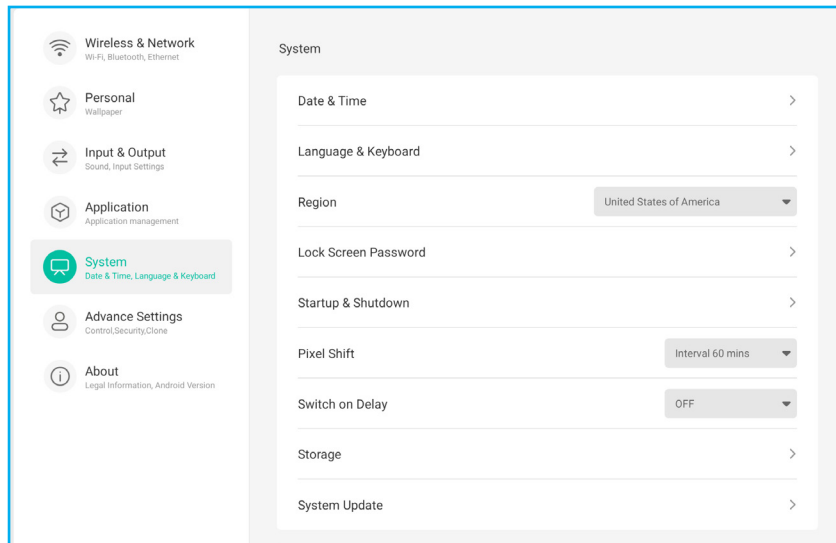
Use the Application settings to configure permissions for applications, force stop applications, and view specifications for applications.



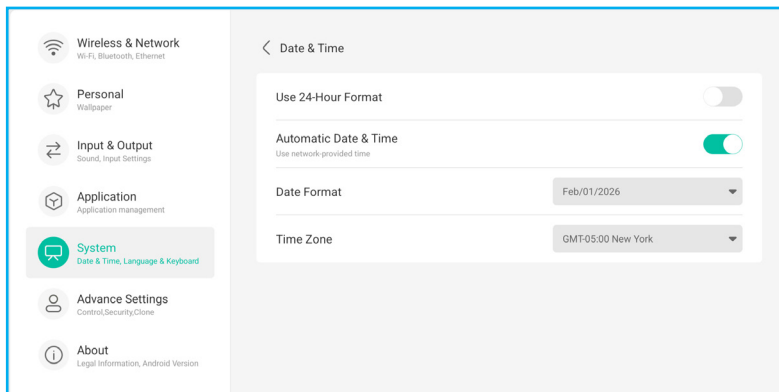
BASIC OPERATIONS

System

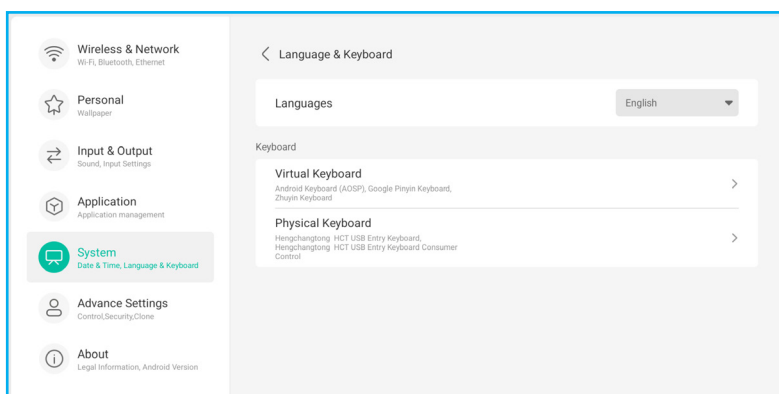
Use the System settings to configure date and time, startup, and other system-related settings.



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

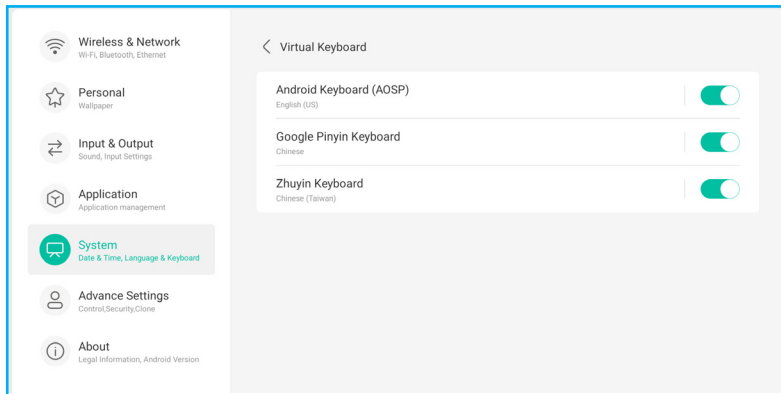


- **24-Hour Format** to enable or disable displaying time in 24-hour format.
- **Automatic Date and Time** to set the date and time automatically. If you disable this function, then you can manually set the Date and Time settings.
- **Date Format** to select/change the format of the date.
- **Time Zone** to select/change the time zone for your area.
- Select **Language & Keyboard** to configure language and keyboard-related settings. Select any of the following:

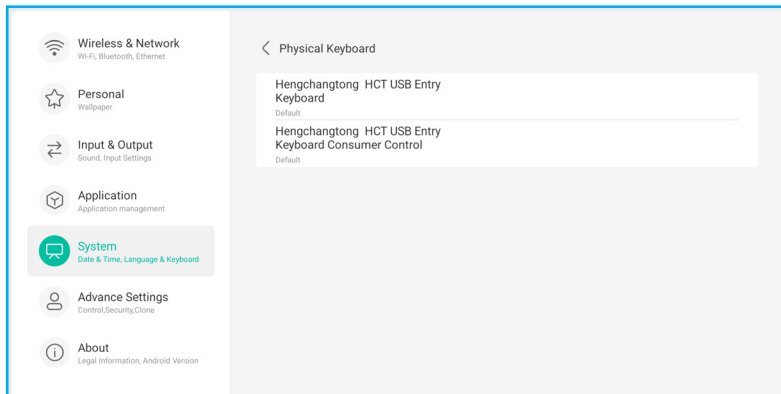


BASIC OPERATIONS

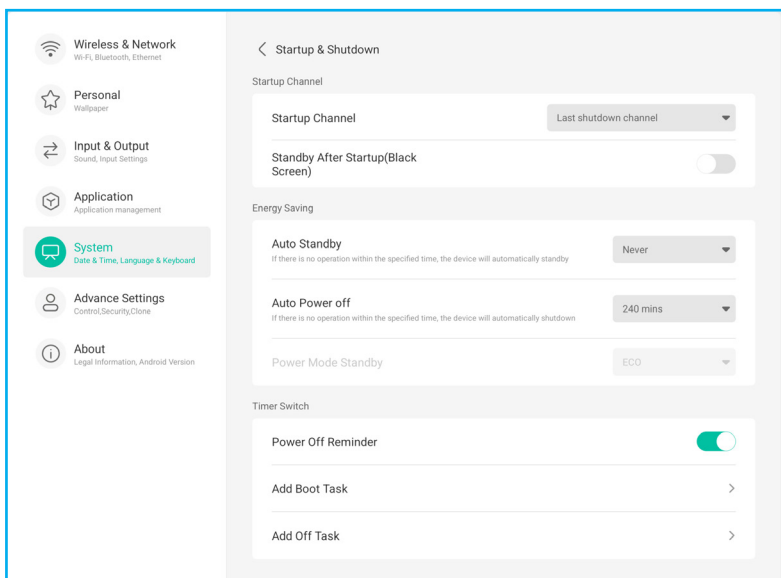
- Select **Languages** to select one of the available language options: English, French, Spanish, Traditional Chinese, Simplified Chinese, Portuguese, German, Dutch, Polish, Russian, Czech, Danish, Swedish, Italian, Turkish, Arabic, Romanian, Hungarian, Finnish, or Norwegian.
- Select **Virtual Keyboard** to view and manage the virtual keyboard.



- Select **Physical Keyboard** to view and manage physical keyboards.



- Select **Region** to change the region.
Note: Switching the region will change the device's configuration. Abnormal usage may occur if the device is not located in the selected region.
- Select **Lock Screen Password** to set and change the lock screen password.
- Select **Startup and Shutdown** to configure settings related to starting and shutting down the panel. Select any of the following:



BASIC OPERATIONS

- **Startup Channel** to select one of the available startup channel options: Last shutdown channel, ANDROID, HDMI1, HDMI2, or HDMI3.
- **Standby After Startup (Black Screen)** to enable or disable standby after startup.
- **Auto Standby** to select the duration of time the device will wait for operation before it will automatically standby. Select from one of the available durations: Never, 15 mins, 30 mins, 60 mins, 90 mins, or 120 mins.
- **Auto Power Off** to select the duration of time the device will wait for operation before it automatically shuts down. Select from one of the available durations: Never, 30 mins, 60 mins, 90 mins, 120 mins, or 240 mins.
- **Power Off Reminder** to enable or disable closing power off reminder when the panel is scheduled to shut down.
- **Add Boot Task** and **Add Off Task** to set a startup timer and shutdown timer, respectively.

To create a schedule, do the following:

1. Select **Add Boot Task** to add a startup schedule. Select **Add Off Task** to add a shutdown schedule.
2. Set the time and select the day(s) when you want the panel to follow this startup or shutdown schedule.
3. Select **Save** to save the timer.

Add Boot Task

2 54
3 : 55 AM
4 56 PM

Sun Mon Tue Wed Thu Fri Sat

Cancel Save

Add Off Task

5 44
6 : 45 AM
7 46 PM

Sun Mon Tue Wed Thu Fri Sat

Cancel Save

4. Enable and manage the new schedule in **Timer Switch** menu.

Timer Switch

Power Off Reminder

Add Boot Task >

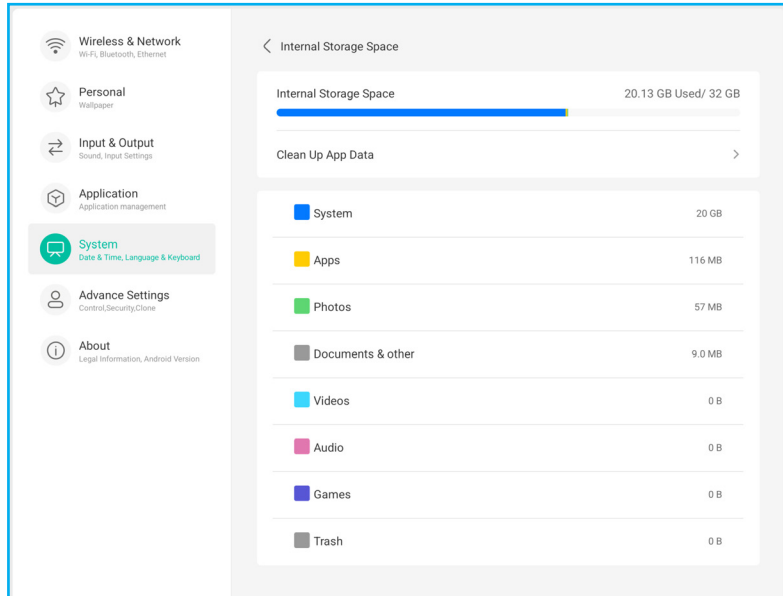
Add Off Task >

6:46 AM | Boot Time Wed

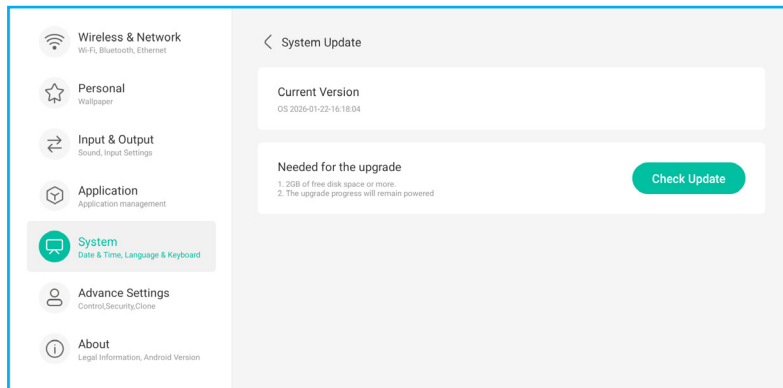
7:46 PM | Off Time Thu

BASIC OPERATIONS

- Select **Pixel Shift** to choose an interval to prevent image retention. Select one of the available options: OFF, Interval 2 mins, Interval 3 mins, Interval 5 mins, Interval 30 mins, or Interval 60 mins.
- Select **Switch on Delay** to choose a delay duration for the panel to switch inputs. Select one of the available options: OFF, 2 seconds, 5 seconds, 10 seconds, 15 seconds, 30 seconds, 40 seconds, or 50 seconds.
- Select **Storage** to view and manage available storage.



- Select **System Update** to check for updates and download them when available.



- Select **Check Update** to check for updates.

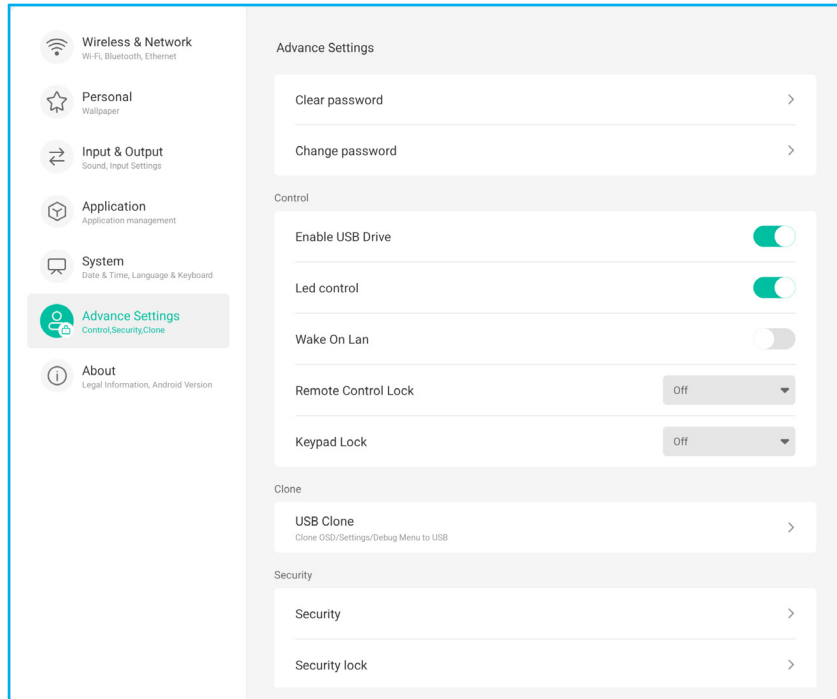
Note: The following are needed for a system update:

- 2GB of free disk space or more
- Device remains powered on while the update is in progress

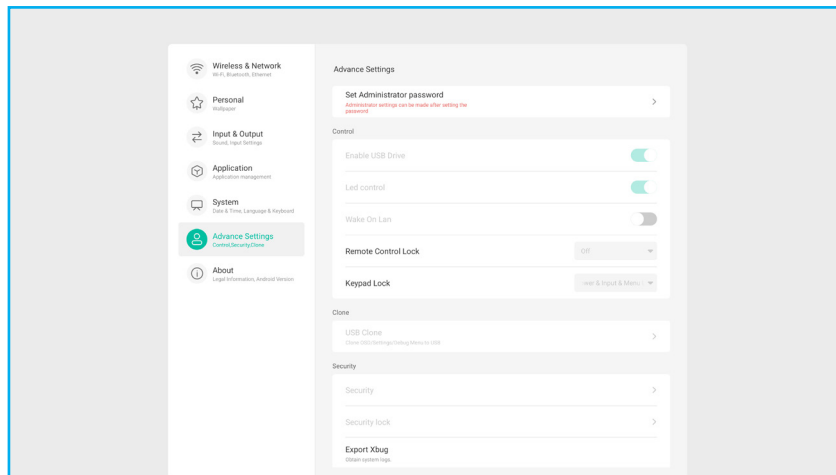
BASIC OPERATIONS

Advance Settings

Use the Advance Settings tab to configure permissions, credentials, and other advanced settings. Select any of the following:



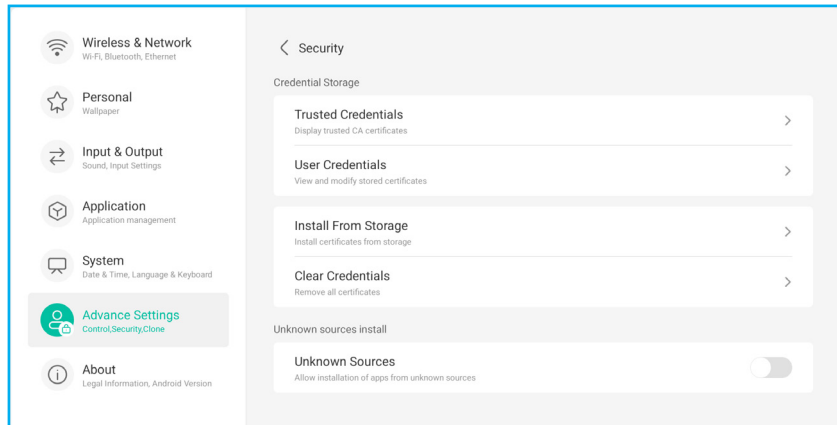
- **Clear password** to clear the administrator password used to access Advance Settings.
Note: When no administrator password is set, advanced settings other than **System Lock** will be grayed out.



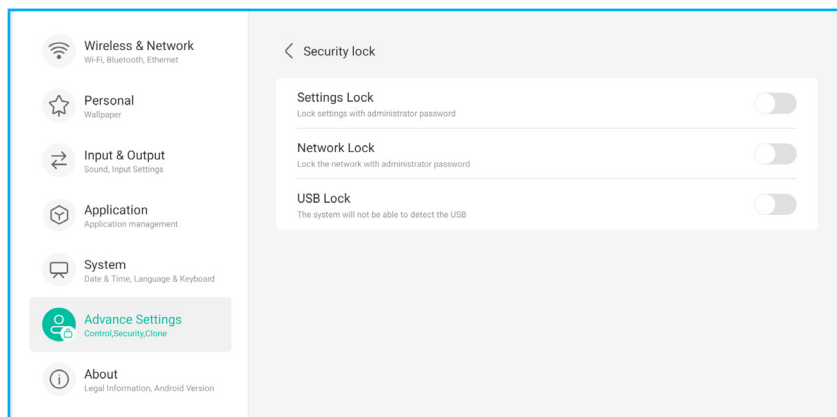
- **Change password** to change the administrator password used to access Advance Settings.
- **Enable USB Drive** to enable the panel to upload files from a USB drive.
- **Led control** to control the LED light, allowing it to emit a specific color light.
Note: When **Led control** is disabled, the LED light will no longer emit any color.
- **Wake on LAN** to enable or disable remotely starting up the panel over LAN.
Note: When **Power Mode (Standby)** is set to Active, **Wake on LAN** will be grayed out.
- **Remote Control Lock** to lock specific keys on the remote.
- **Keypad Lock** to lock specific keys on the keypad.
- **USB Clone** to clone OSD, settings, or debug menu to a USB drive.

BASIC OPERATIONS

- **Security** to configure advanced security settings. Select any of the following:



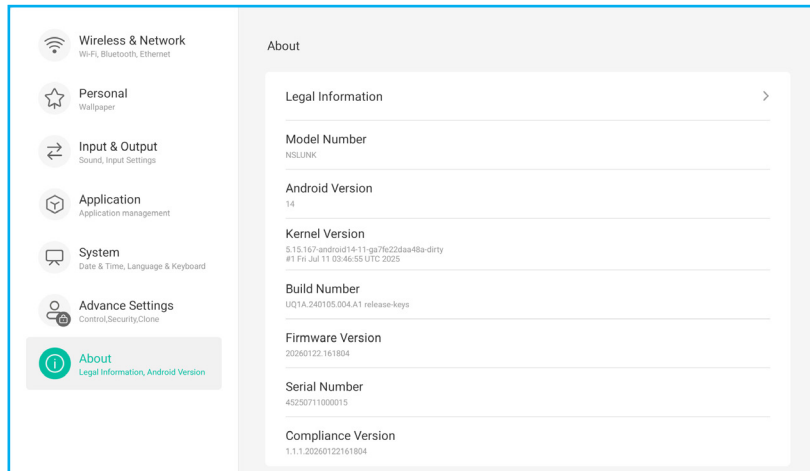
- **Trusted Credentials** to view and manage trusted credentials.
- **User Credentials** to view and manage user credentials.
- **Install From Storage** to install CA certificates, VPN and app user certificates, or Wi-Fi certificates from storage from **Finder**.
- **Clear Credentials** to clear all certificates from the panel.
- **Unknown Sources** to allow apps to be installed from unknown sources.
- **Security lock** to configure security security for panel settings, network, and USB. Select any of the following:



- **Settings Lock** to require a password to access panel settings.
- **Network Lock** to require a password to access Wireless & Network settings.
- **USB Lock** to disable USB functionality for the panel.
- **Reset Factory** to clear all data from the panel.
- **System Lock** to set the System Lock function, where the system will not respond to any operations (including detection of a U-disk) while locked. Long-press the Input button to lock/unlock the panel.

BASIC OPERATIONS

About



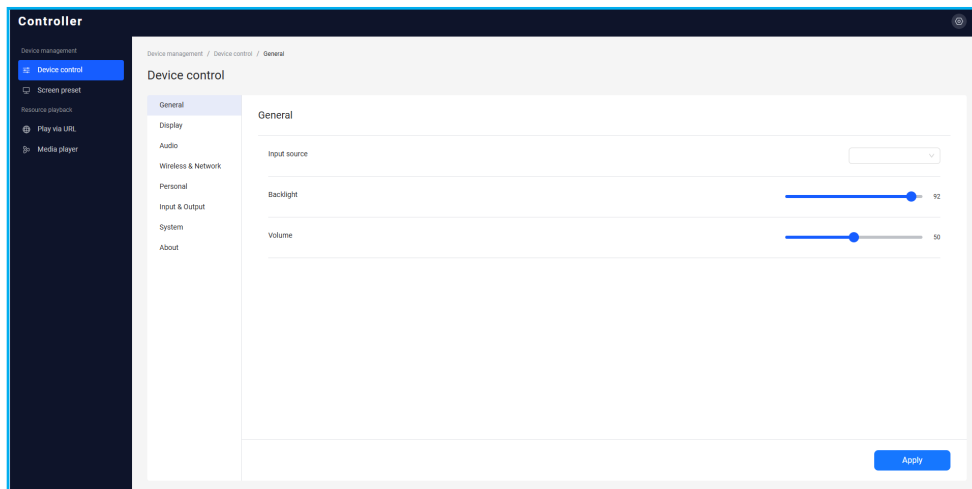
Use the About tab to learn about the panel's specifications, including:

- Legal information
 - Third-party licenses
 - Open source licenses
 - System WebView licenses
- Model number
- Android version
- Kernel vesion
- Build number
- Firmware version
- Serial number
- Compliance version

BASIC OPERATIONS

Web Controller

Use **Web Controller** to configure settings for and project media to the panel remotely from your computer.

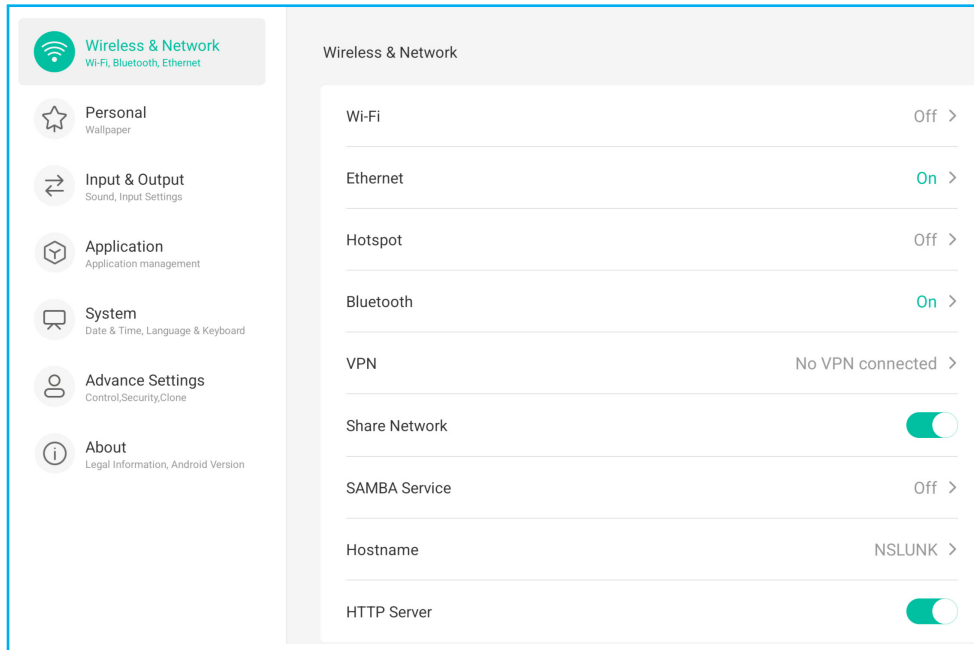


BASIC OPERATIONS

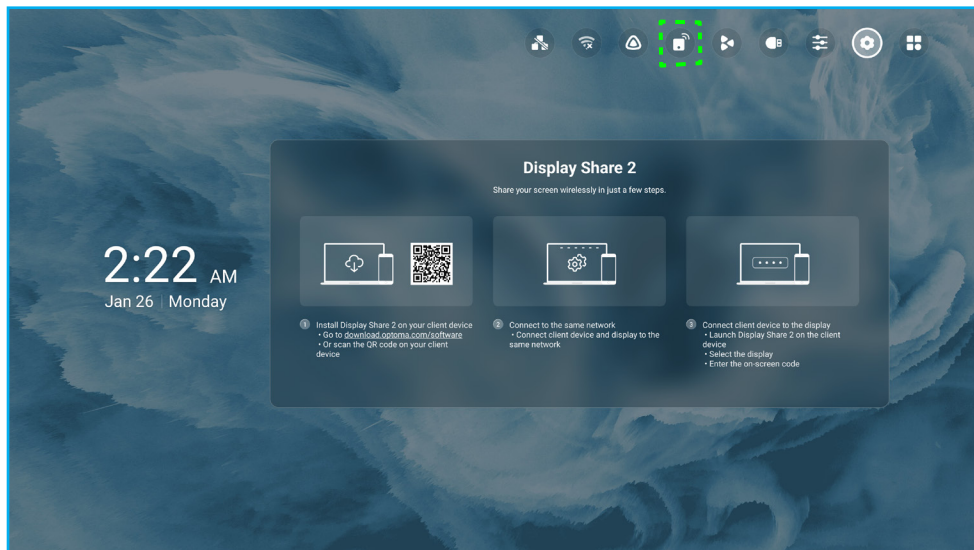
Entering Web Controller

To enter **Web Controller**, do the following:

1. Enter the **Wireless & Network** menu from the panel's settings. Then connect the device to the same network as your computer.

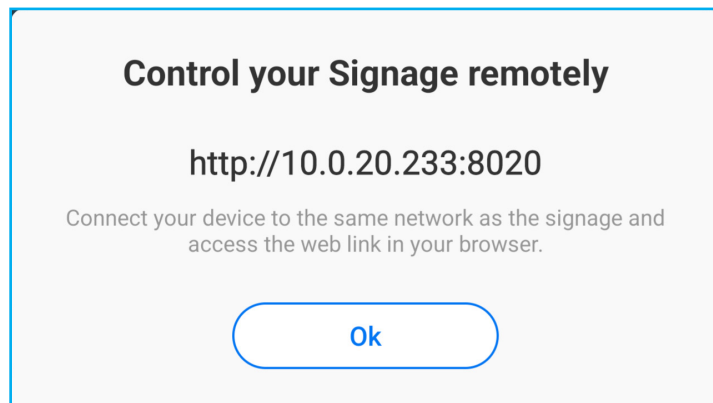


2. On the home screen of the panel, select the fourth button from the left.



BASIC OPERATIONS

3. In your computer's web browser, enter the address exactly as shown in the *Control your Signage remotely* dialog box.

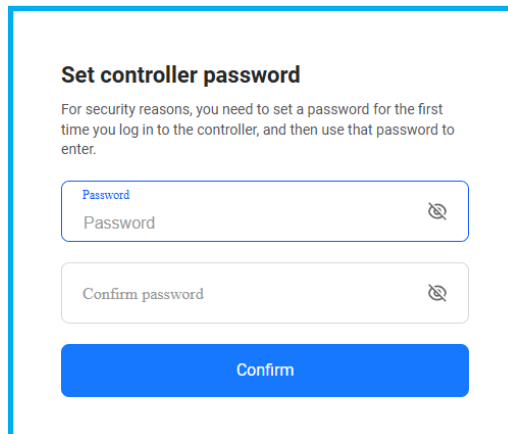


BASIC OPERATIONS

Configuring Administrator Password

The first time you use **Web Controller**, you will be prompted to configure an administrator password. To configure an administrator password, do the following:

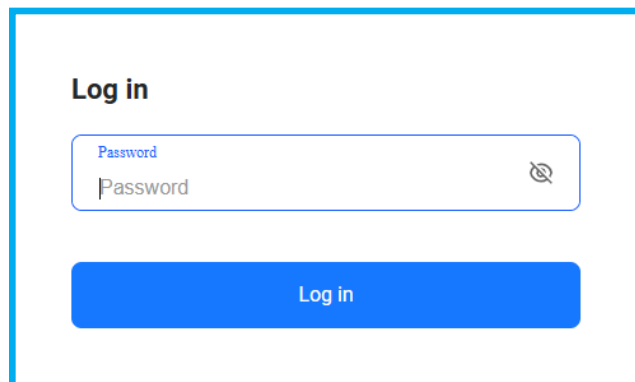
1. Enter the password you want to use in the *Password* field. Then the password again in the *Confirm password* field.



The screenshot shows a web form titled "Set controller password". Below the title is a short instruction: "For security reasons, you need to set a password for the first time you log in to the controller, and then use that password to enter." There are two input fields: the first is labeled "Password" and the second is labeled "Confirm password". Both fields have a small eye icon to the right, indicating they are password fields. Below the input fields is a blue button labeled "Confirm".

2. Click **Confirm**.

Web Controller will prompt you to enter the password the next time you access the Web Controller link in your web browser.



The screenshot shows a web form titled "Log in". It features a single input field labeled "Password" with a small eye icon to its right. Below the input field is a blue button labeled "Log in".

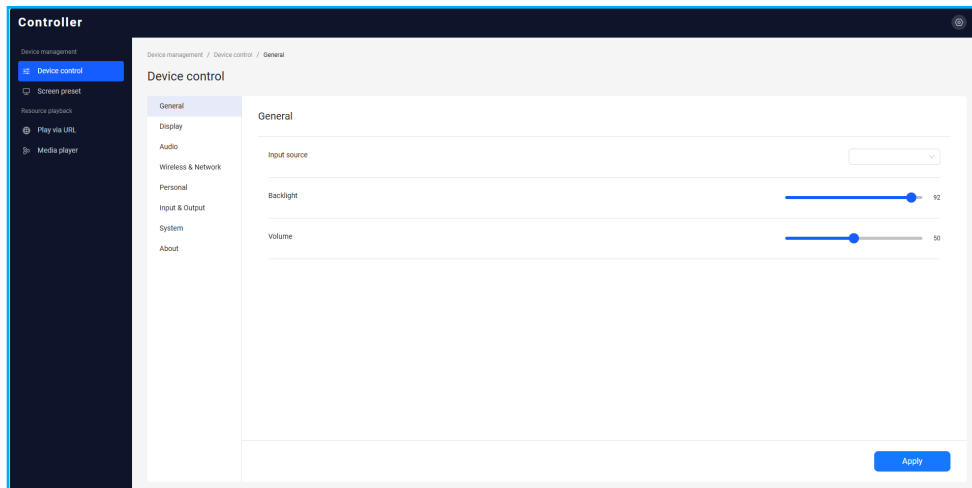
BASIC OPERATIONS

Device Management

With the tabs under *Device Management*, you can configure settings for the panel remotely.

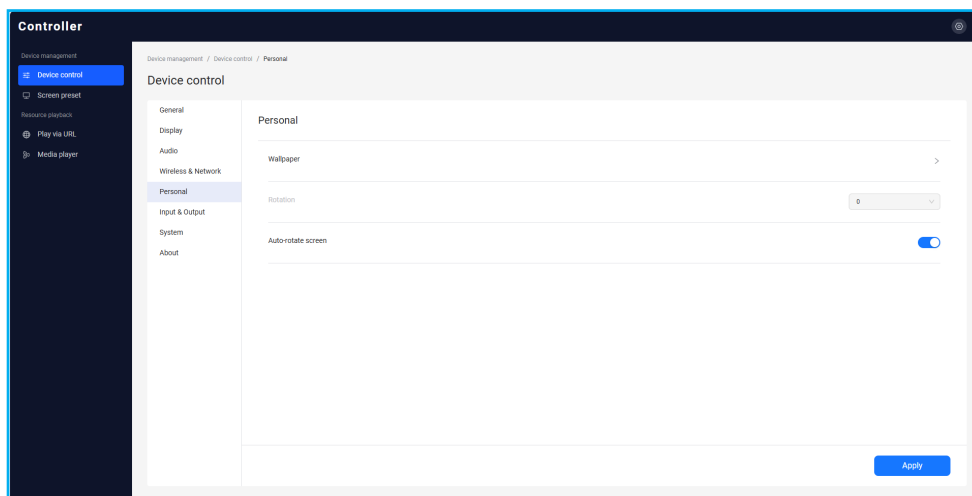
Device control

Use the General tab to set the input source, backlight, and volume of audio output for the panel.



See “General Settings” on page 31 for more information.

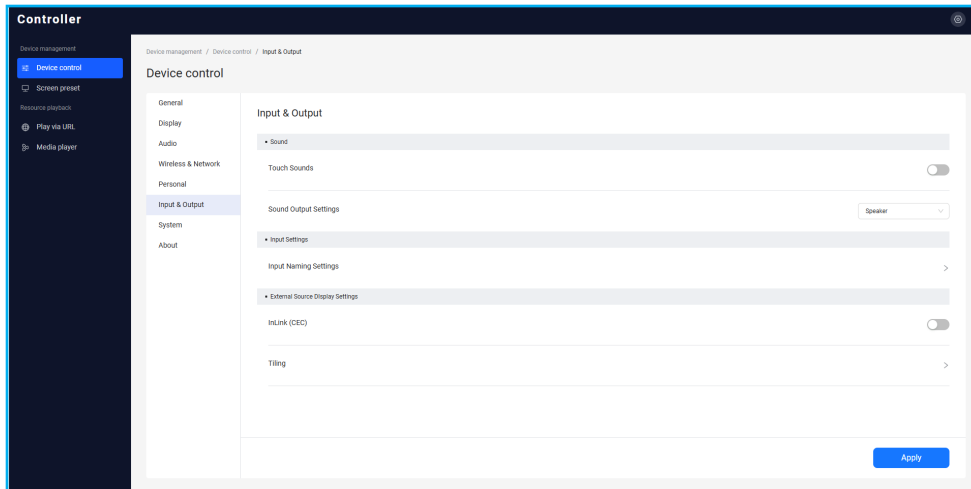
Use the Personal tab to personalize the panel.



See “Personal” on page 39 for more information.

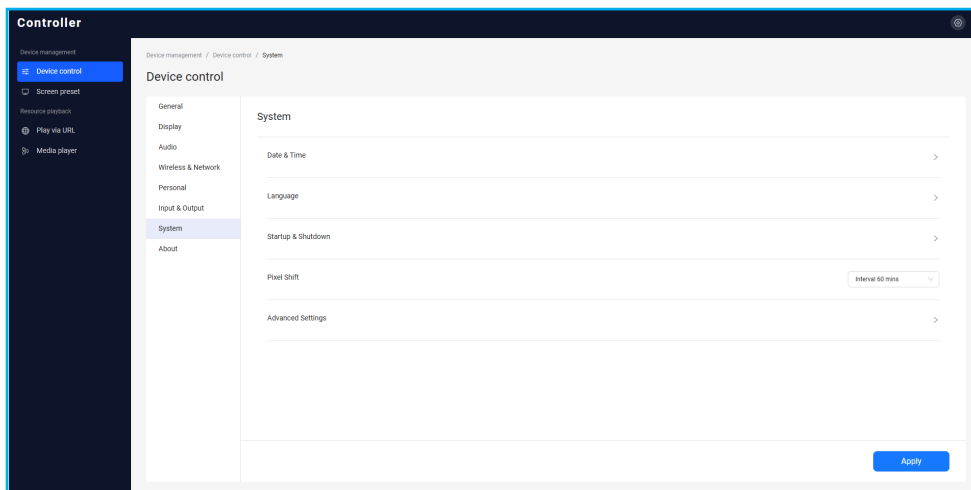
BASIC OPERATIONS

Use the Input & Output tab to configure the input and output sources.



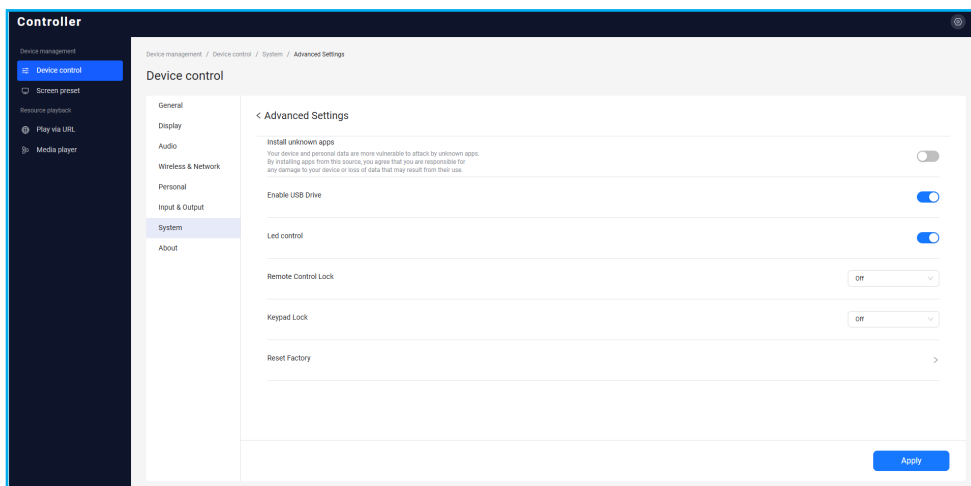
See “Input & Output” on page 40 for more information.

Use the System tab to configure the system settings for the panel.



See “System” on page 47 for more information.

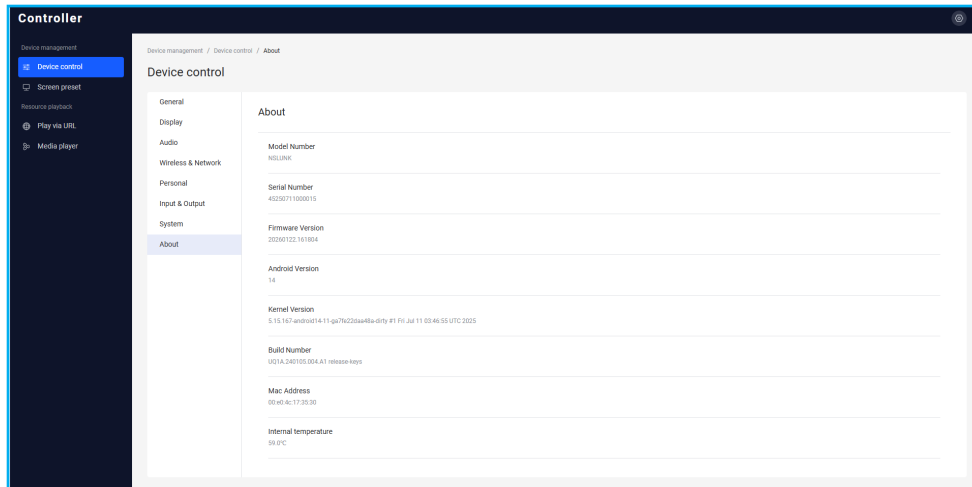
Use the Advance tab to configure the advanced startup and shutdown settings.



See “Advance Settings” on page 51 for more information.

BASIC OPERATIONS

Use the About tab to learn about your device's specifications.



See “About” on page 53 for more information.

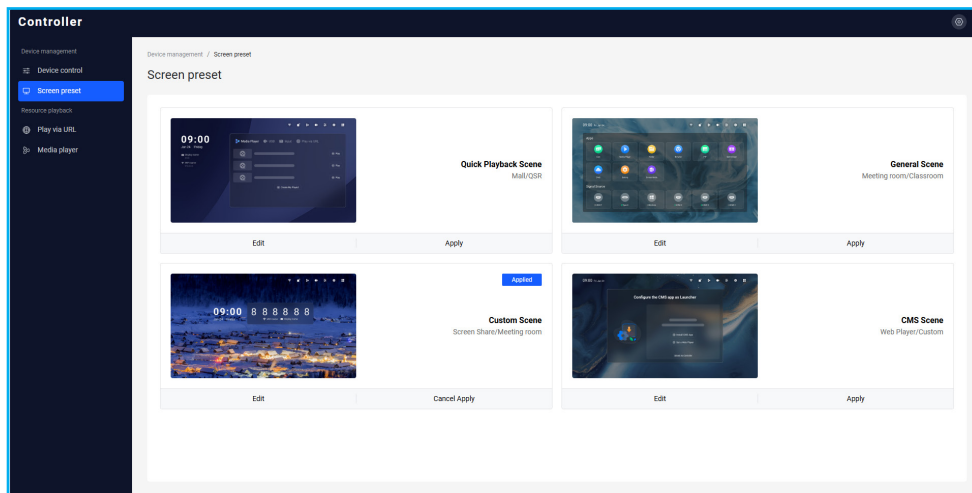
BASIC OPERATIONS

Screen preset

Select **Screen preset** to configure the home screen UI with one of four presets:

- Quick Playback Scene
- General Scene
- Custom Scene
- CMS Scene

To customize the screen preset, click **Edit**. To apply a screen preset, click **Apply**.



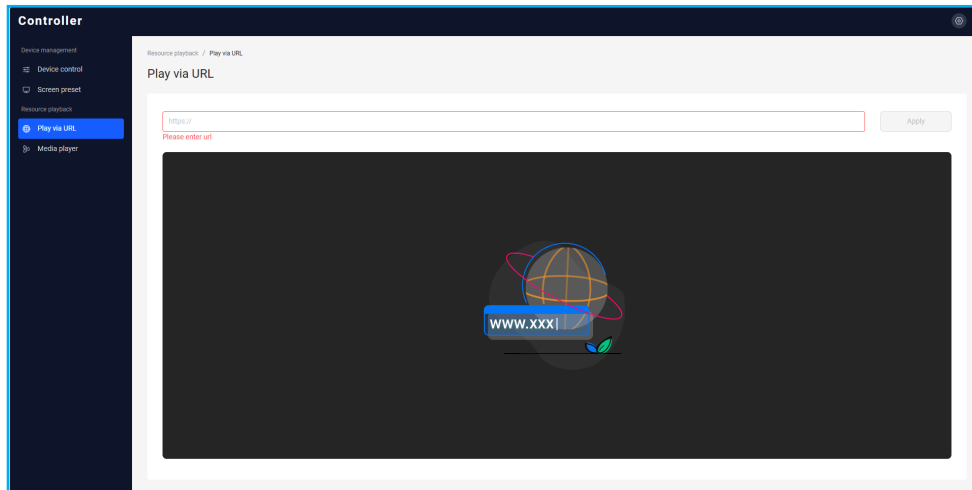
See “Screen Mode” on page 91 for more information.

BASIC OPERATIONS

Resource playback

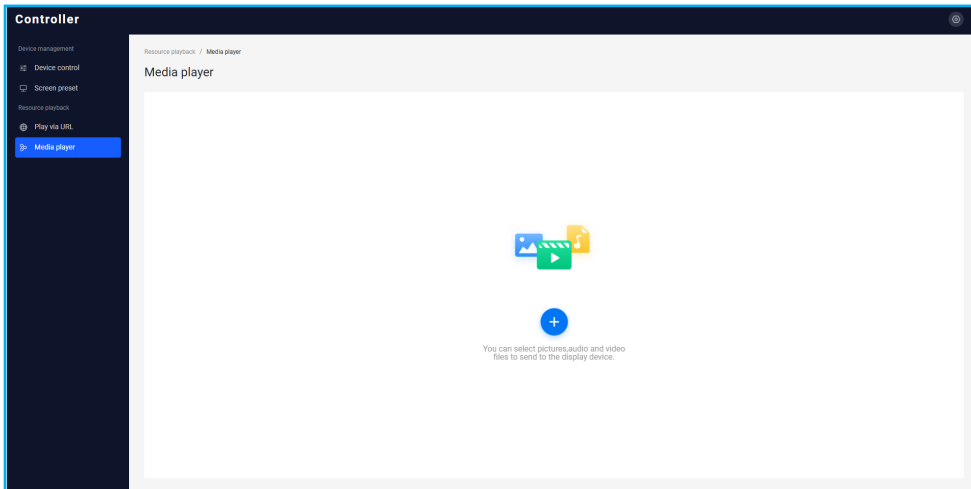
With the tabs under *Resource playback*, you can send multimedia content for the panel to display.



Use **Play via URL** to display content from a website on the panel's screen. Click **Preview** to open the URL in your web browser. Enter the URL of the website and click **Play**. The website will be displayed on the panel's screen.

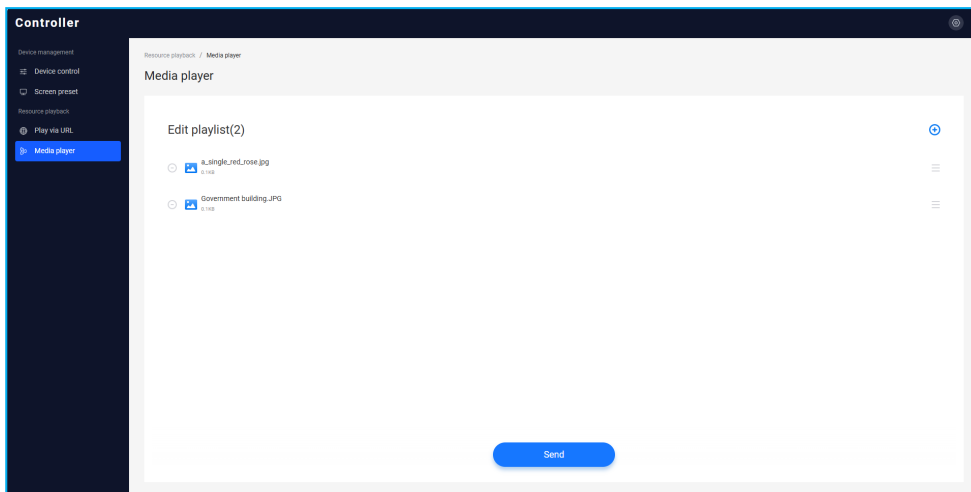


BASIC OPERATIONS

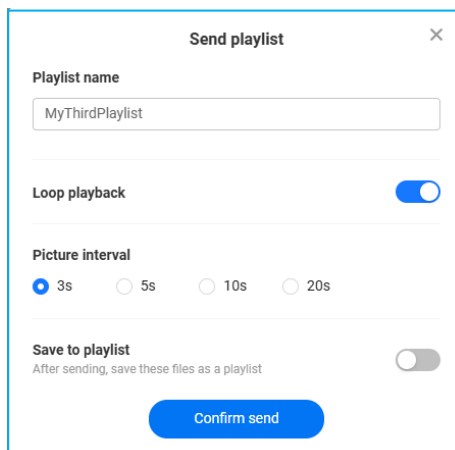
Use **Media player** to send multimedia files from your computer to display with the panel's MediaPlayer application.



To create a new playlist, click the  button and select the file you want to add. To add more files, click the  button and select the files. Click the file names and drag to reorder them.



Click **Send**. Enter a name for the new playlist, and choose whether to loop playback, the duration of time each picture will be shown onscreen during playback, and whether to save the files as a playlist. Then click **Confirm Send** to send the playlist to your device.



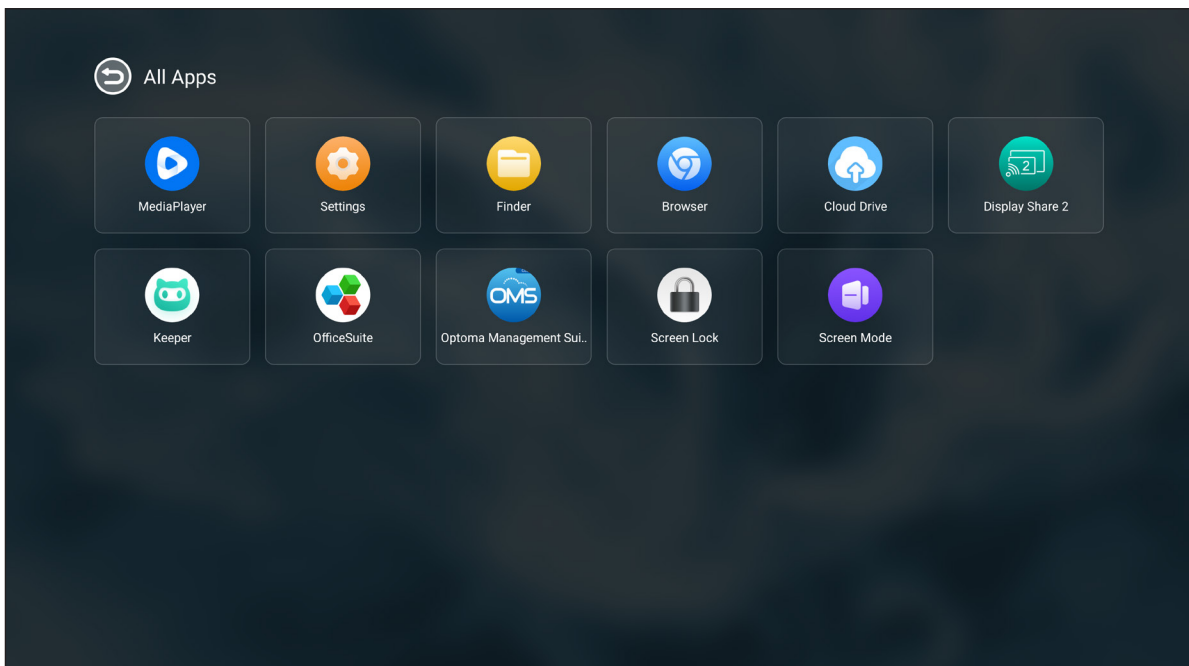
USING THE APPS

From the home screen, select **⋮** and press the **Enter** button on the remote control to view the Apps list.

Note:

- To install a third party application, you must first enable the **Unknown source** setting in the **Security** ⇒ **Advanced Settings** menu. Refer to page 51.
You can then install the downloaded **APK (Android Package)** file into your system.
- Generally, you can use the remote control to navigate through the options when using an app. However, some of apps are not workable with the remote control. If this happens, please connect a mouse to the panel.

IMPORTANT! The embedded Android 11 operation system is not standard Android. As such, Google Play is not available in the Apps list. The installed third party application might not work properly if it is not designed for panel. Optoma will not guarantee that these self-installed Apps work. Optoma flat panel displays run a customized Android operating system and do not support Google Play Services. The operating system may not be compatible with all third-party Android apps. Third-party Android apps can vary in quality and some even contain malicious codes, which could compromise system security and may invalidate product warranty. Optoma makes no representations regarding the quality, security or suitability of any third-party apps and their compatibility with the Optoma 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 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.

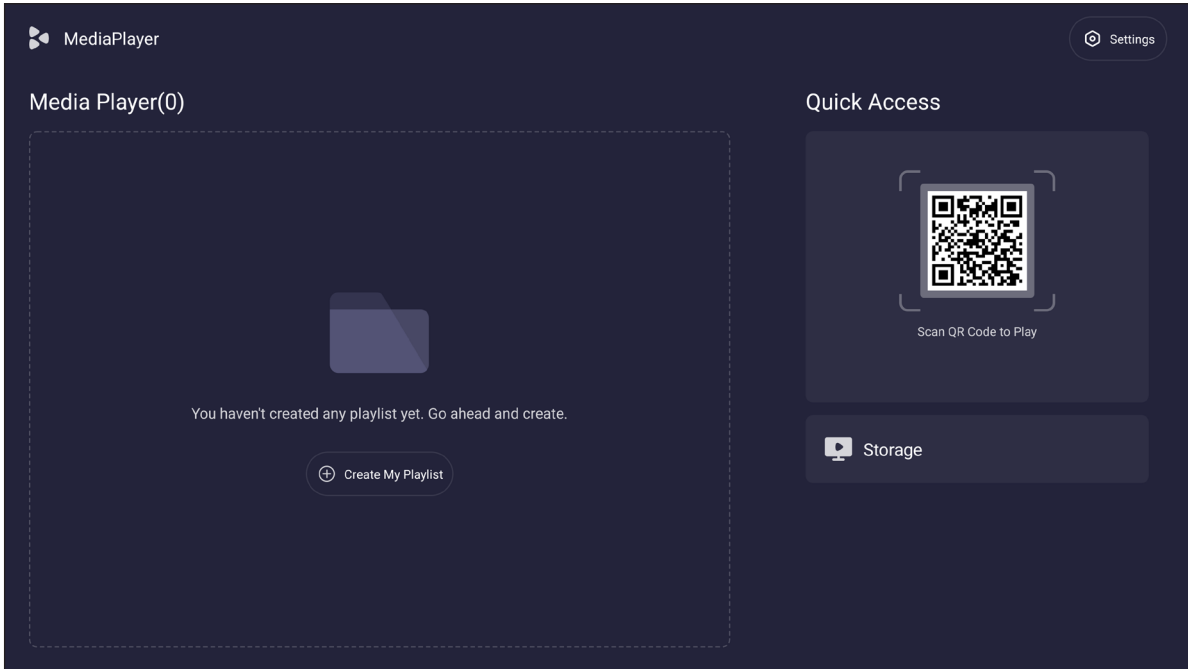


USING THE APPS

MediaPlayer

Use **MediaPlayer** to display multimedia files and create playlists.

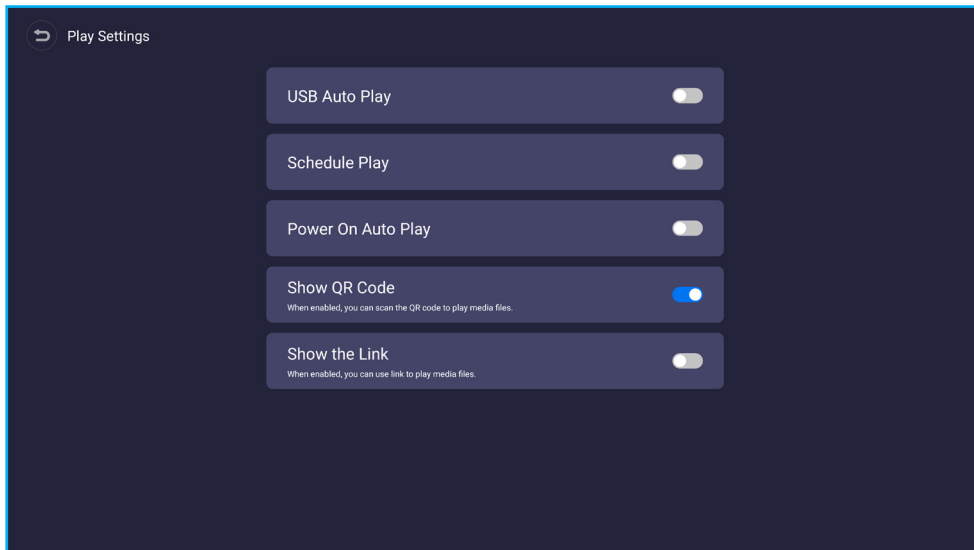
Note: After scanning the QR code on the MediaPlayer home screen, you can select videos from your mobile device to project onto the panel.



USING THE APPS

Play Settings

Select **Play Settings** to configure different settings for playlists. Select any of the following:



- **USB Auto Play** to automatically play multimedia files from a USB disk.
- **Schedule Play** to configure a schedule to play a playlist.

To configure a schedule, enable the **Schedule Play** option and select **Add Schedule Play**. Then input the schedule name, choose a playlist to schedule, and configure the schedule's start time, end time, and days. Select **Save** to confirm the schedule's details.

Add Schedule Play

Input schedule name

Choose play list

Start time End time

08:00 22:00

All Sun Mon Tue Wed Thu Fri Sat

Cancel Save

USING THE APPS

To update a saved schedule, select the schedule from **My Schedule**. Then update the schedule's details and select **Save**.

To delete a saved schedule, select the schedule from **My Schedule**. Select **Delete** to delete the schedule.

Update Schedule Play

Input schedule name
My Schedule

Choose play list
My Second...

Start time
08:00

End time
18:00

All Sun Mon Tue Wed **Thu** Fri Sat

Cancel Save Delete

- **Power On Auto Play** to automatically play multimedia files upon device startup.
- **Show QR Code** to display a QR code you can scan to play multimedia files.
- **Show the Link** to display a link you can use to play multimedia files.

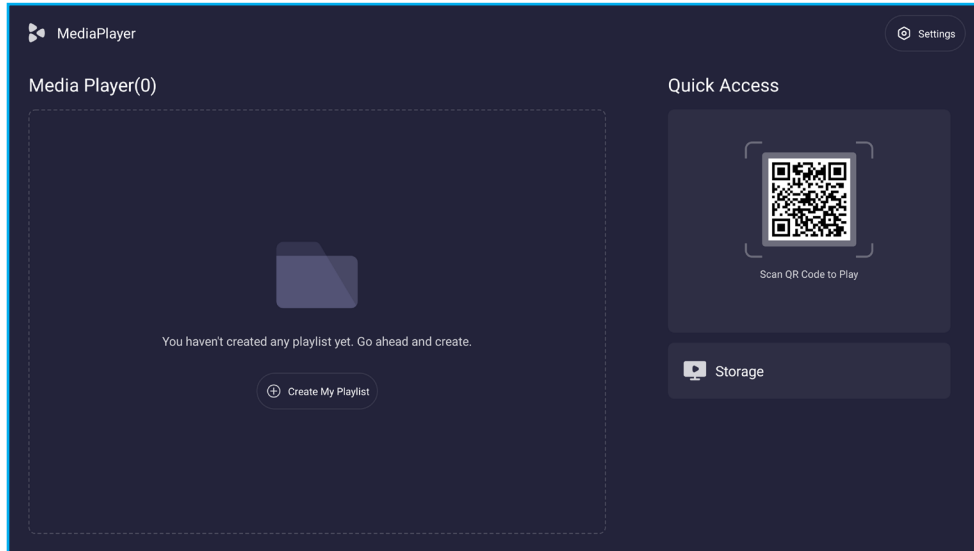
Note: The **Show the Link** option is only available if **Show QR Code** is enabled.

USING THE APPS

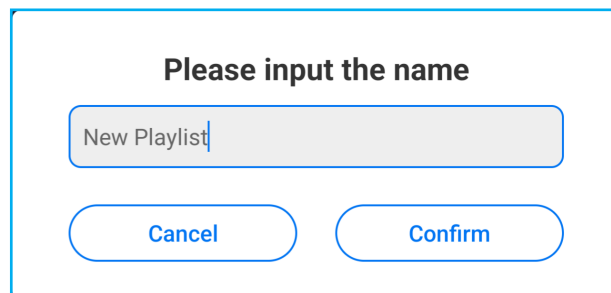
Creating a Playlist

To create a playlist, do the following:

1. Select **Create My Playlist**.

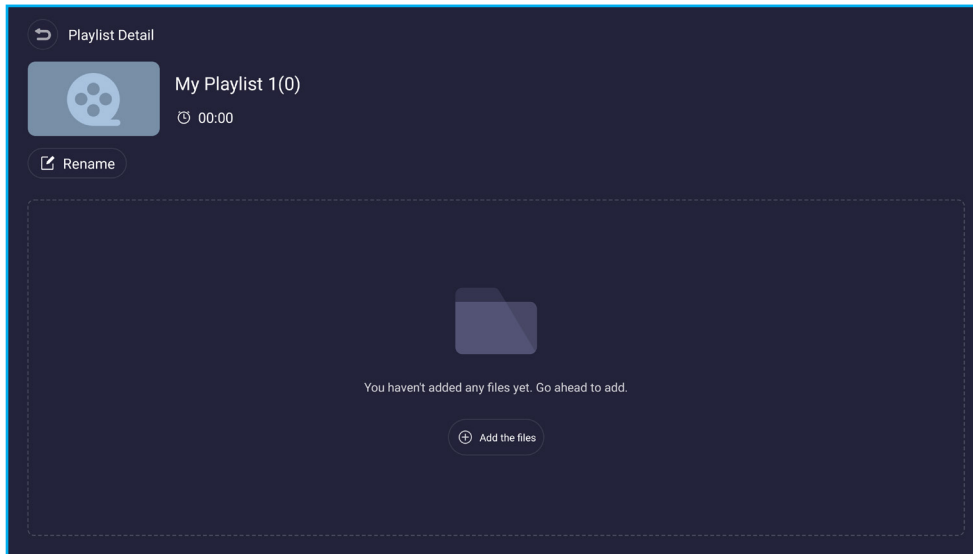


2. Enter the playlist name and select **Confirm**.

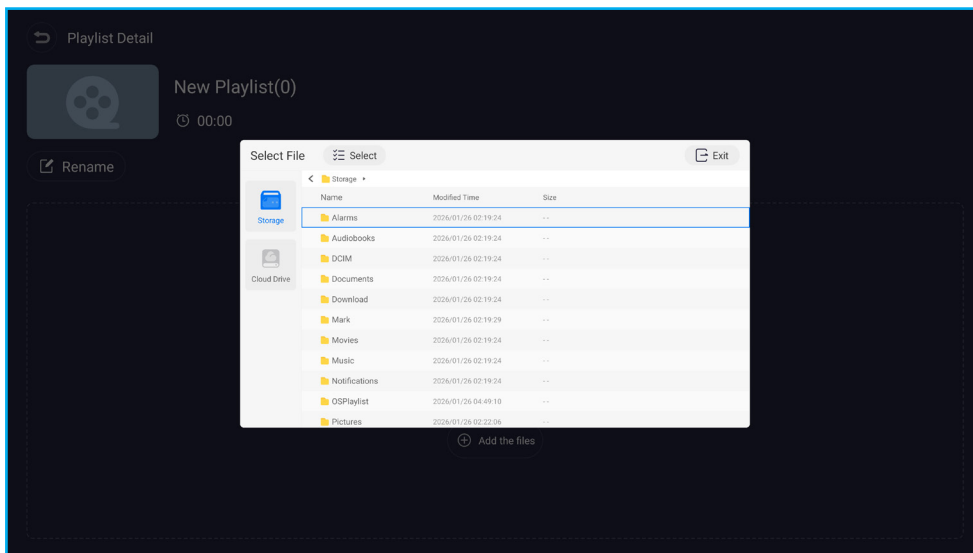


USING THE APPS

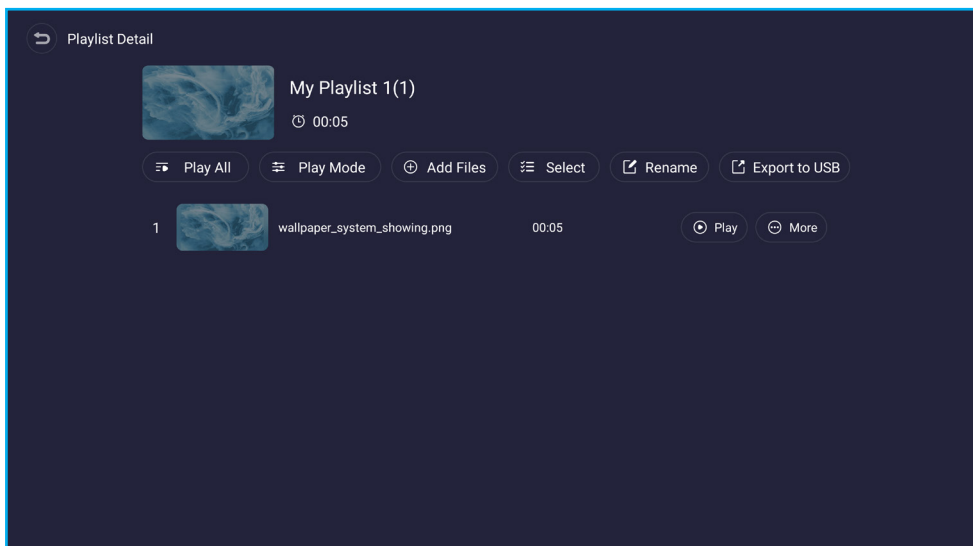
3. Select **Add the files** to add the media files.



4. Select the media files that you want to add into the playlist.



The playlist details will appear on the screen.

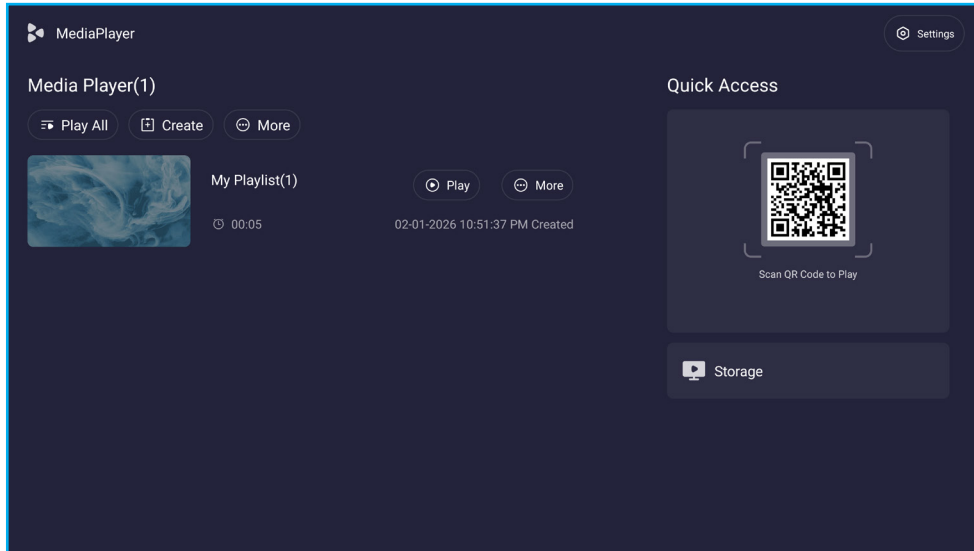


USING THE APPS

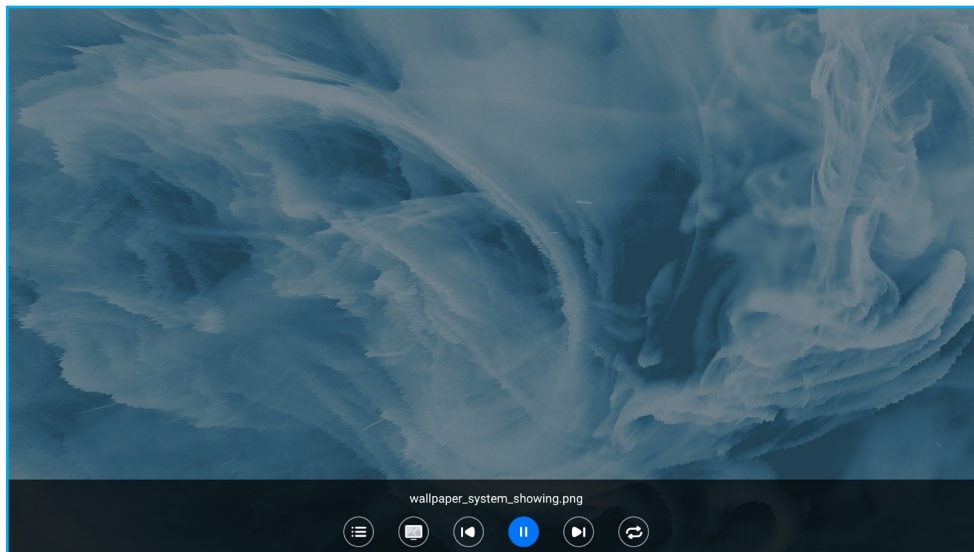
Displaying a Playlist

To display a playlist, do the following:

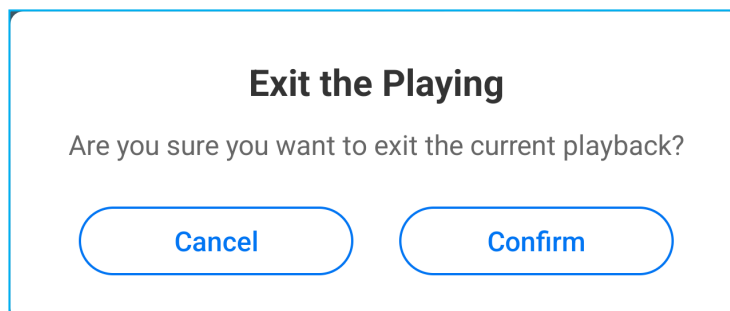
1. Choose the playlist you want to play. Then select **Play**.



2. The device will display the media files in your playlist on the screen.



3. To exit the playlist, press the **Back** button on the remote control. Then select **Confirm**.



USING THE APPS

Playing Multimedia Files

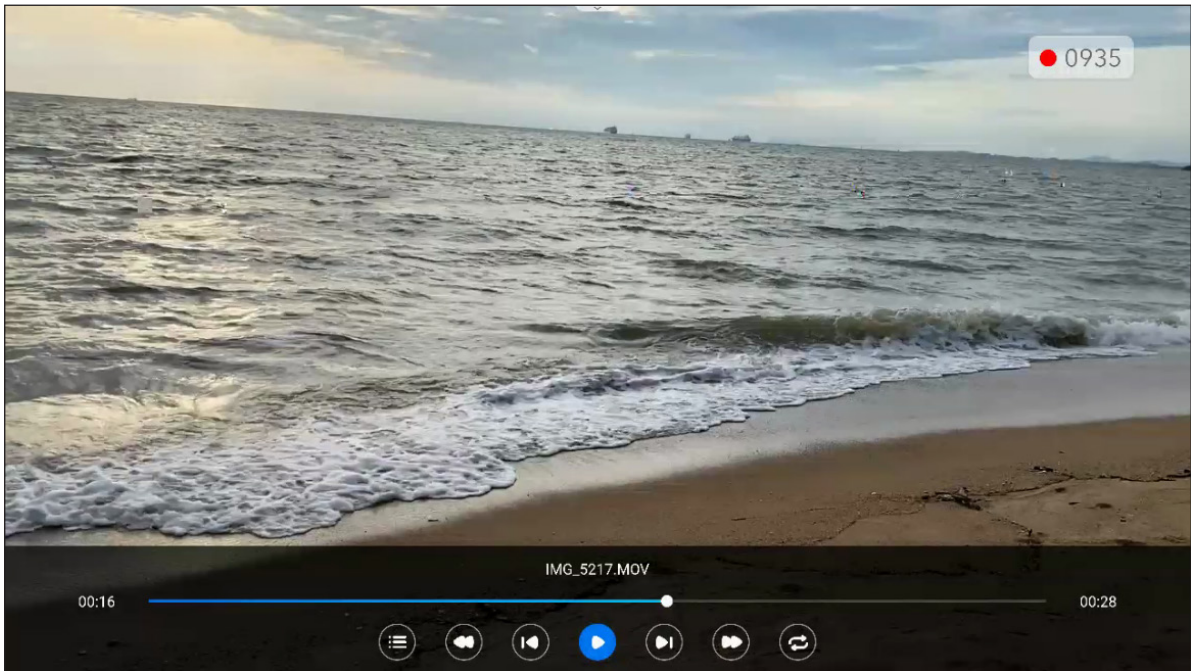
Multimedia formats supported

Media Type	Supported Format
Video	<p>Video support format (codec) up to 4K resolution:</p> <ul style="list-style-type: none">• .avi (MPEG-1, MPEG-2 MP@HL, MPEG-4 SP@L0-3, ASP@L0-5, H.264, MP, HP@Level 4.1, H263, VP6, MJPEG)• .ts (MPEG-2 MP@HL, MPEG-4 SP@L0-3, ASP@L0-5, H.264 MP, HP@Level 4.1, VC1 AP, H265)• .mpg, .mpeg (MPEG-1, MPEG-2 MP@HL, H.264 MP, HP@Level 4.1)• .mp4 (MPEG-4 SP@L0-3, ASP@L0-5, H.264 MP, HP@Level 4.1, H265)• .mov (MPEG-4 SP@L0-3, ASP@L0-5, MJPEG, H.264 MP, HP@Level 4.1, H265)• .mkv (VP9, H.265)• 3gp (H.264 MP, HP@Level 4.1, H263, MPEG-4 SP@L0-3, ASP@L0-5)
Audio	<p>Audio support format (codec):</p> <ul style="list-style-type: none">• .wma (WMA/WMAPro: 128Kbps~320Kbps, 8KHz~48KHz sampling rate)• .mp3 (MPEG Layer 3: 32Kbps~320Kbps, 32KHz~48KHz sampling rate)• .wav (PCM: Max 320Kbps, Max 48kHz sampling rate / ADPCM: 384Kbps, 8KHz ~ 48KHz sampling rate)• .m4a (ACC: 24kbps ~ 384kbps, 16KHz~48KHz sampling rate)• .ogg (Vorbis: Max 320Kbps, 8KHz~48KHz sampling rate)
Image	<p>Supported image format (with the maximum resolution):</p> <ul style="list-style-type: none">• .png(8k*8k)• .jpeg(baseline 8k*8k progressive 4k*4k/.bmp(8k*8k)• .gif(4k*4k)

USING THE APPS

Playing videos

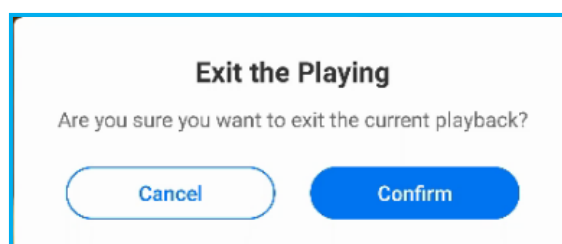
Select the video you want play and press the **Enter** button to start playback.



During the playback, press the **Enter** button to open the playback control toolbar. Then select any of the following:

Item	Description
	List Display video thumbnails.
	Rewind Rewind video.
	Previous video Skip to the previous video.
	Pause/Play toggle Select to pause the playback. To resume, select .
	Next video Skip to the next video.
	Fast forward Fast forward video.
	Loop/Play once toggle Select to play all video files in a loop or select to play the current video file in a loop. Select to play through all videos in the list once.

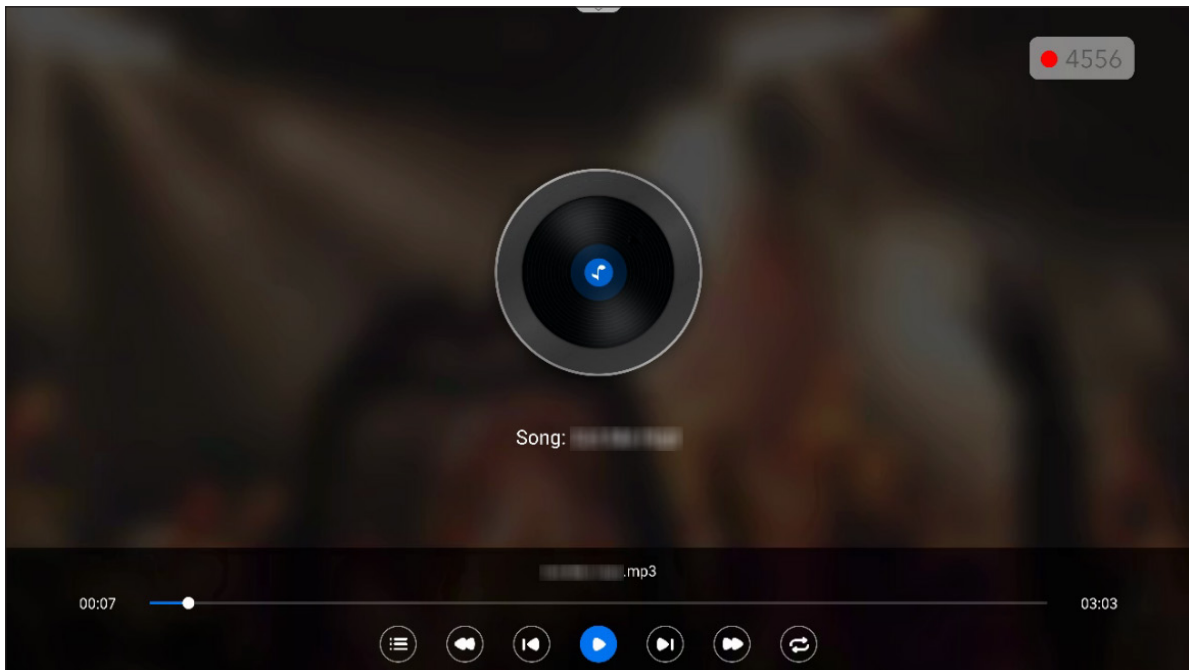
Note: To stop playback, press the **Back** button on the remote control. When the confirmation message appears, select **Confirm** and press the **Enter** button.















USING THE APPS

Playing music

Select the audio track you want to play and press the **Enter** button to start playback.



During playback, press the **Enter** button to open the playback control toolbar. The table below explains the functions available on the playback control toolbar.

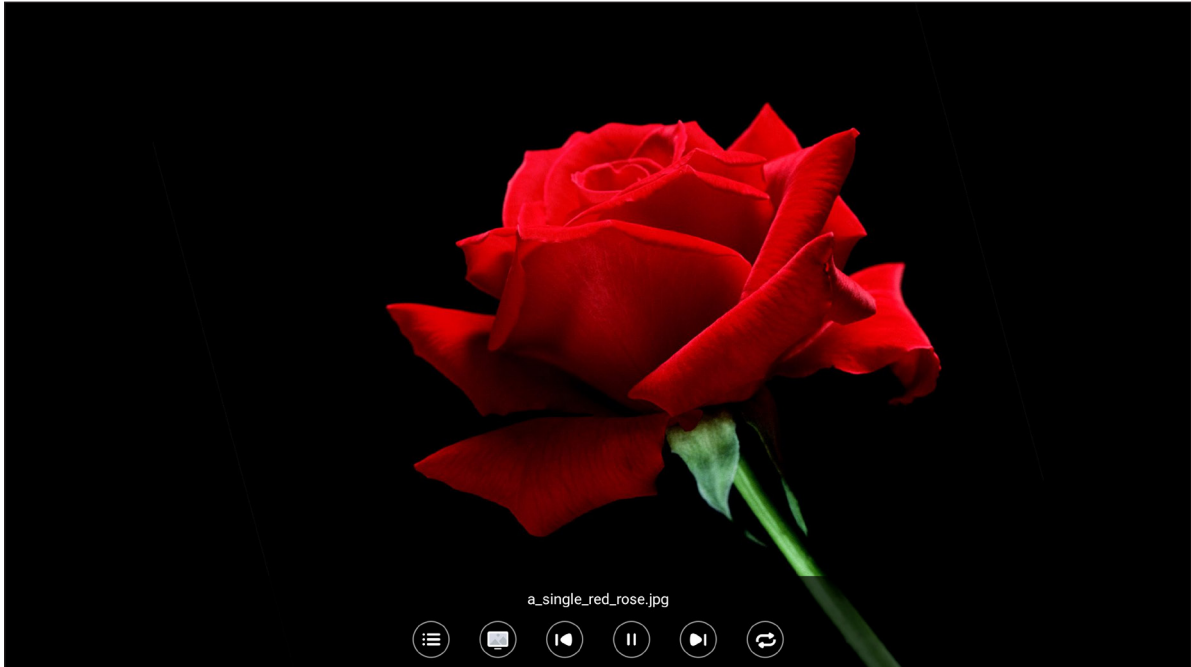
Item		Description
	List	Display track thumbnails.
	Rewind	Rewind the track.
	Previous track	Return to the previous track.
	Pause/Play toggle	Select  to pause the playback. To resume, select  .
	Next track	Skip to the next track.
	Fast forward	Fast forward the track.
	Loop/Play once toggle	Select  to play all tracks in a loop or select  to play the current track in a loop. Select  to play through all tracks in the list once.

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












USING THE APPS

Viewing images

Select the image you want to display and press the **Enter** button to open it on the screen. The slideshow will automatically start.



Press the **Enter** button to open the image control toolbar. The table below explains the functions available on the image control toolbar.

Item		Description
	List	Display image thumbnails.
	Wallpaper	Set the current image as the wallpaper.
	Previous image	Skip to the previous image.
	Pause/Play toggle	Select  to pause the playback. To resume, select  .
	Next image	Skip to the next image.
	Loop/Play once toggle	Select  to play all image files in a loop or select  to play the current image file in a loop. Select  to play through all images in the list once.

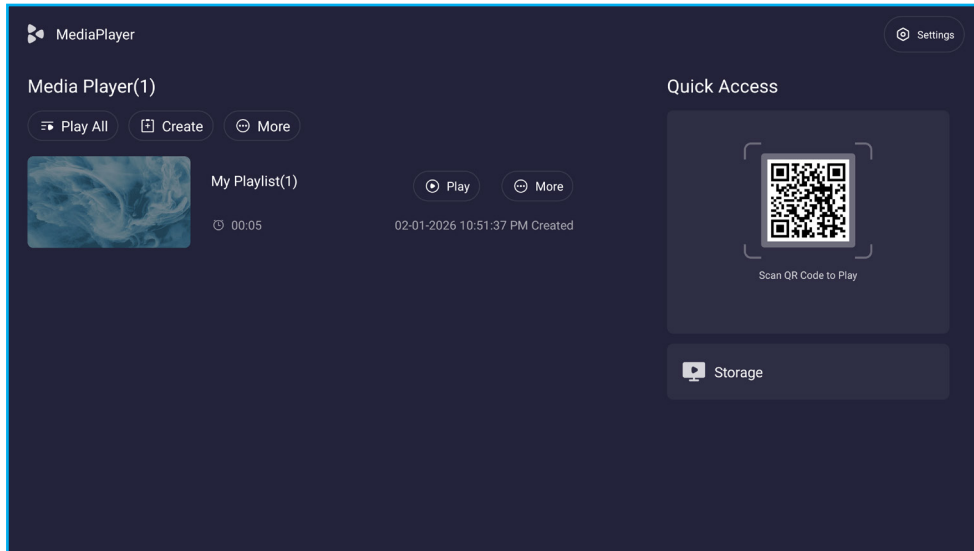
Note: To stop the slideshow, press the **Back** button on the remote control. When the confirmation message appears, select **Confirm** and press the **Enter** button.

USING THE APPS

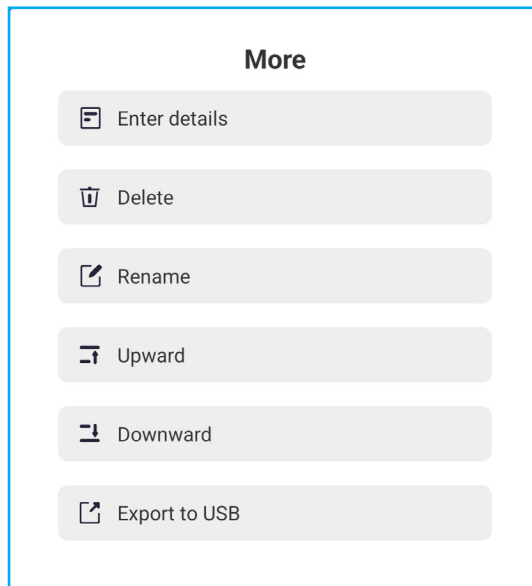
Adding Files to a Playlist

To add files to a playlist, do the following:

1. Choose the playlist you want to add files to.

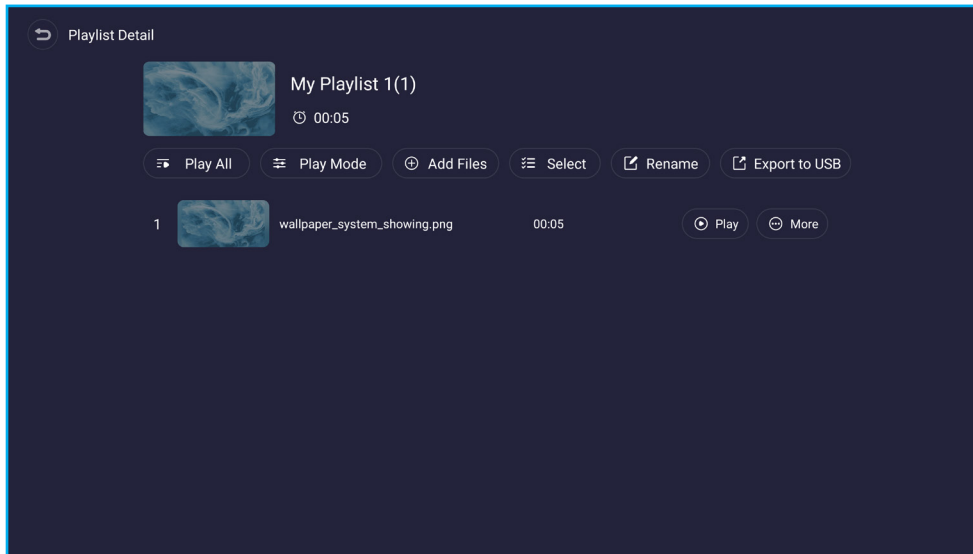


2. Select **More**. Then select **Enter details**.

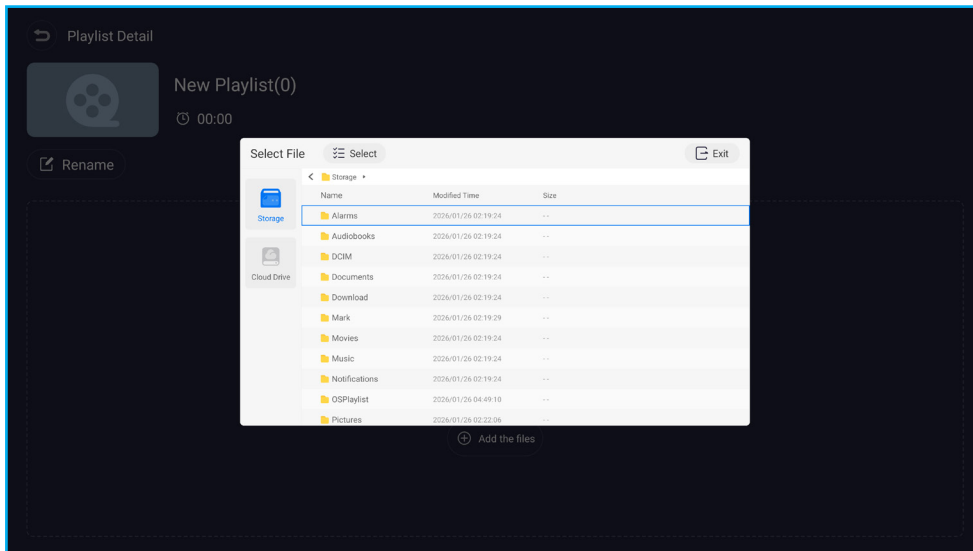


USING THE APPS

3. Select Add Files.



4. Select the media files that you want to add into the playlist.

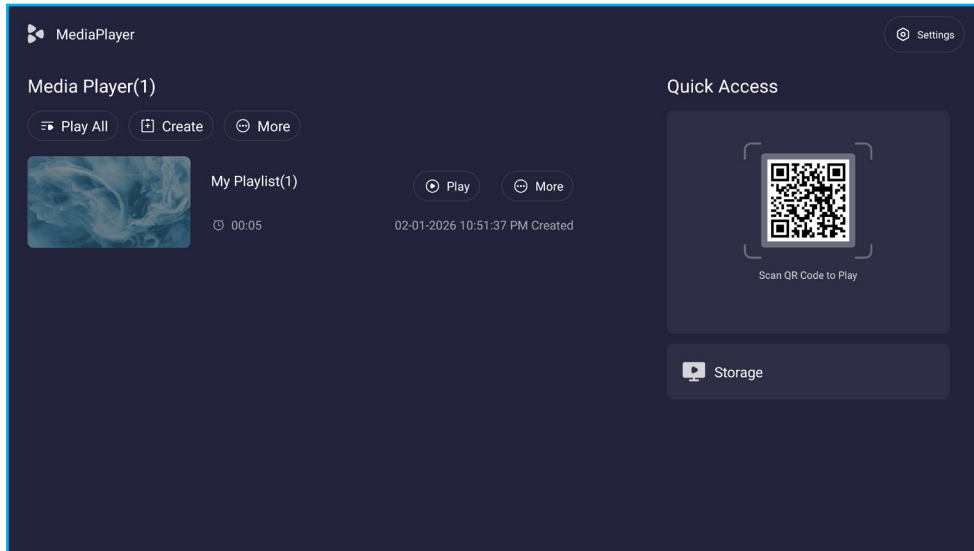


USING THE APPS

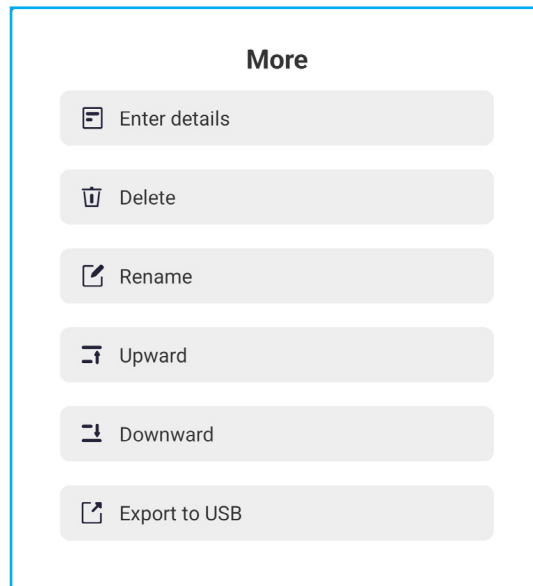
Renaming a Playlist

To rename a playlist, do the following:

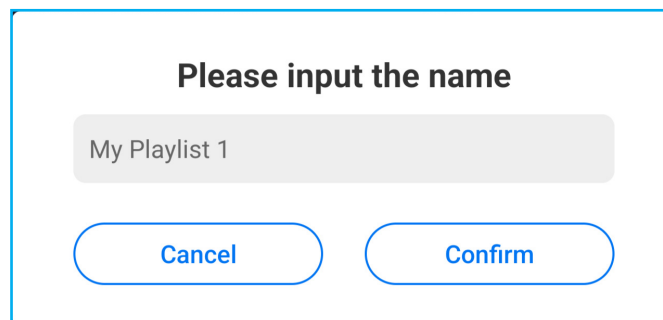
1. Choose the playlist you want to rename.



2. Select **More**. Then select **Rename**.



3. Enter a new name for the playlist and select **Confirm**.

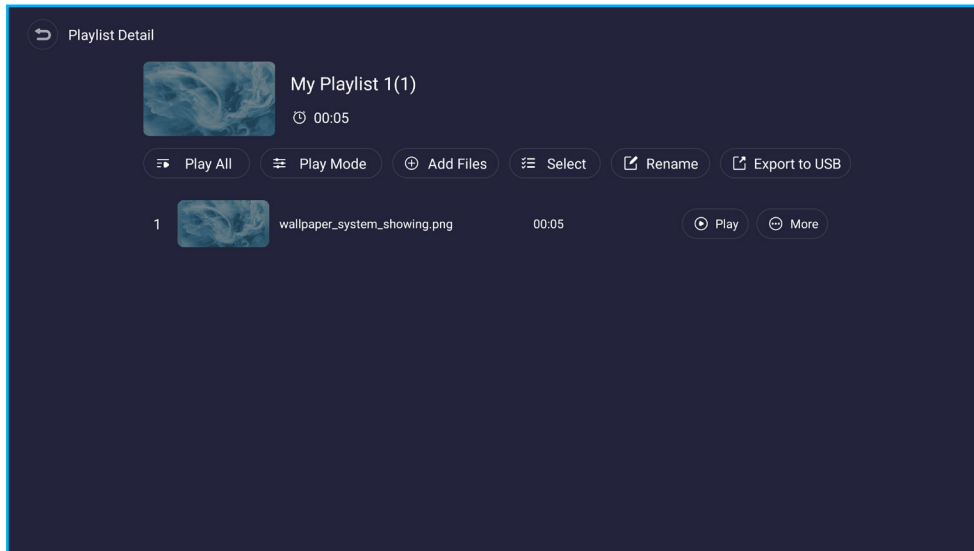


USING THE APPS

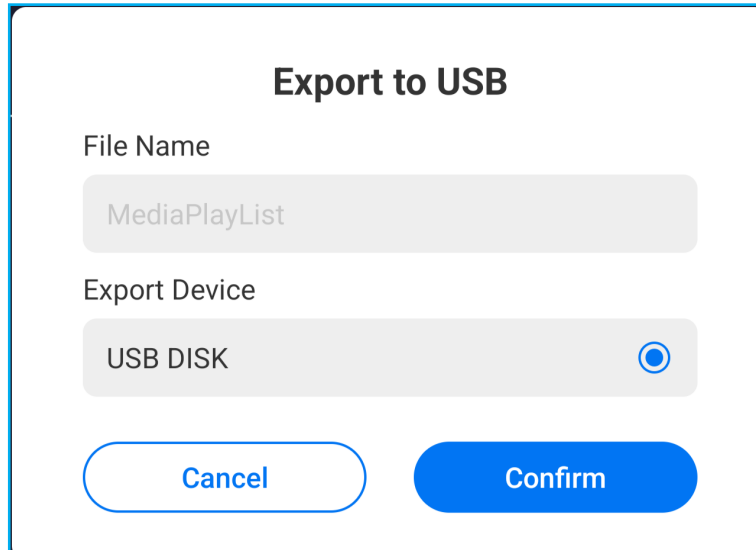
Exporting a Playlist

To export a playlist, do the following:

1. Insert a USB drive into one of the USB ports on the right side of the device. See “Rear View” on page 11 for USB port locations.
2. Select **Export to USB**.



3. Select the device to export the playlist to. Then select **Confirm**.

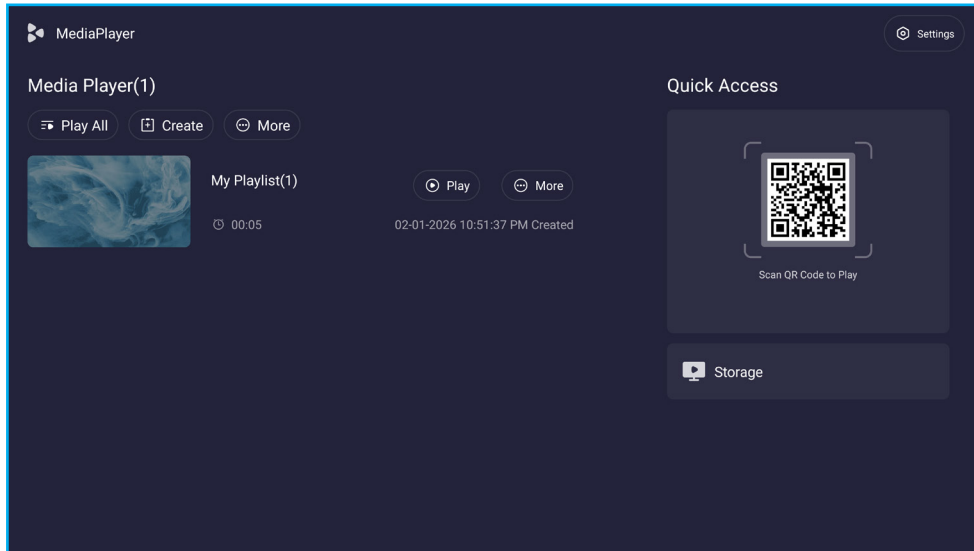


USING THE APPS

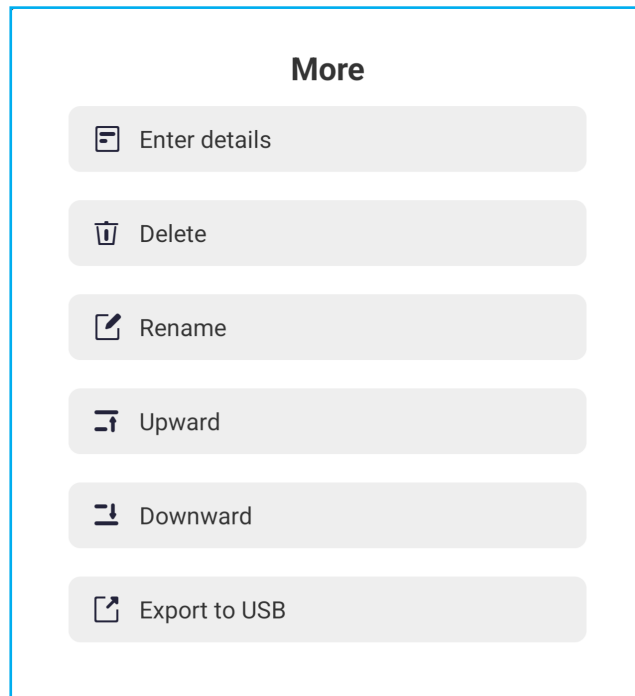
Deleting a Playlist

To delete a playlist, do the following:

1. Choose the playlist you want to delete.



2. Select **More**. Then select **Delete**.

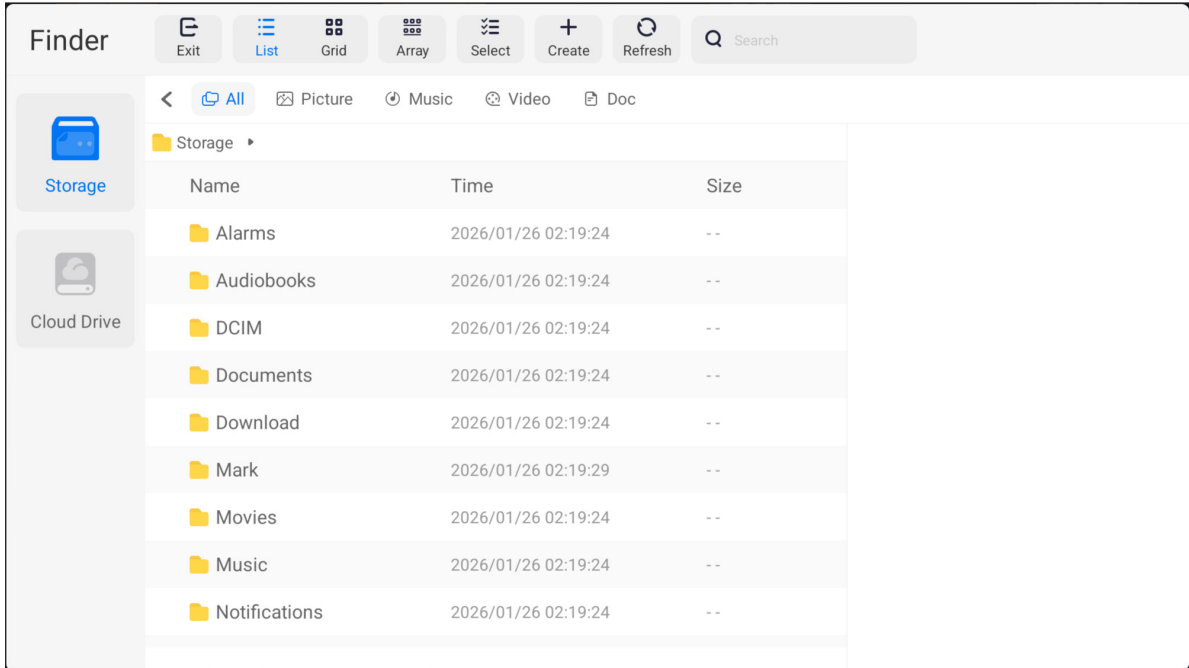


USING THE APPS

Finder








Select **Finder** to manage files and folders.

Navigating Finder





















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

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

Item	Description	
 List	View files and folders as a list.	
 Grid	View files and folders as thumbnails.	
 Array	Sort files and folders by name, kind, size, or date modified. <div style="border: 1px solid blue; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Array</p> <p><input type="radio"/>  Name</p> <p><input type="radio"/>  Kind</p> <p><input type="radio"/>  Size</p> <p><input checked="" type="radio"/>  Date Modified</p> </div>	

USING THE APPS

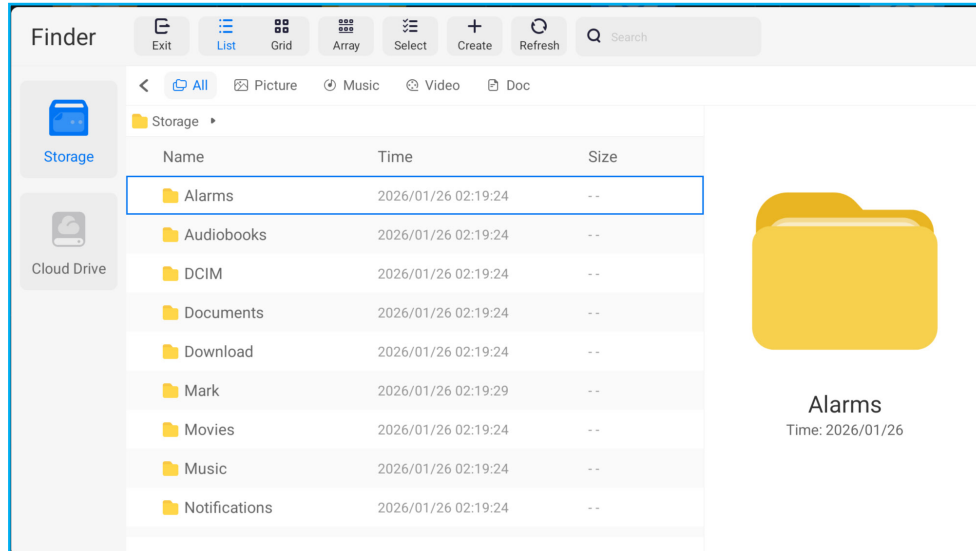
Item	Description
	<p>Select</p> <p>Select files and folders. When selected, select any of the following:</p> <ul style="list-style-type: none">  undo your last action.  check/uncheck all items.  cut and paste item(s).  copy and paste item(s).  delete item(s).  rename an item.  share an item with QR code. <p>Note: For file sharing with QR code, make sure your mobile device is connected to the same network as the panel.</p> <div style="text-align: center;">  </div> <ul style="list-style-type: none">  compress item(s).  move/copy item(s) to another location or view item details.
	<p>Create</p> <p>Create a new folder.</p>
	<p>Refresh</p> <p>Refresh Finder.</p>
	<p>Search</p> <p>Search files and folders using key words or names.</p>
	<p>Picture</p> <p>Display only image files in the selected storage location.</p>
	<p>Music</p> <p>Display only audio files in the selected storage location.</p>
	<p>Video</p> <p>Display only video files in the selected storage location.</p>
	<p>Doc</p> <p>Display only document files in the selected storage location.</p>

USING THE APPS

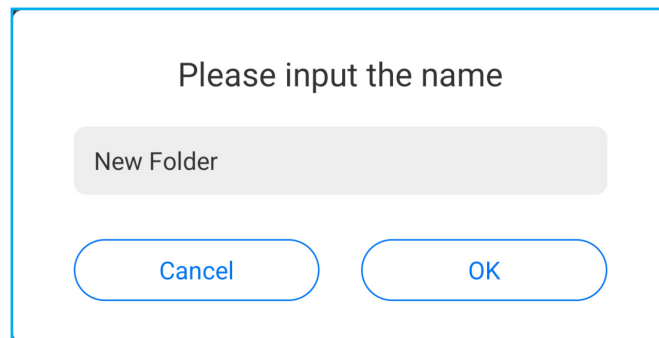
Creating a New Folder

To create a new folder, do the following:

1. Navigate to the area where you would like to create a new folder and select **Create**.



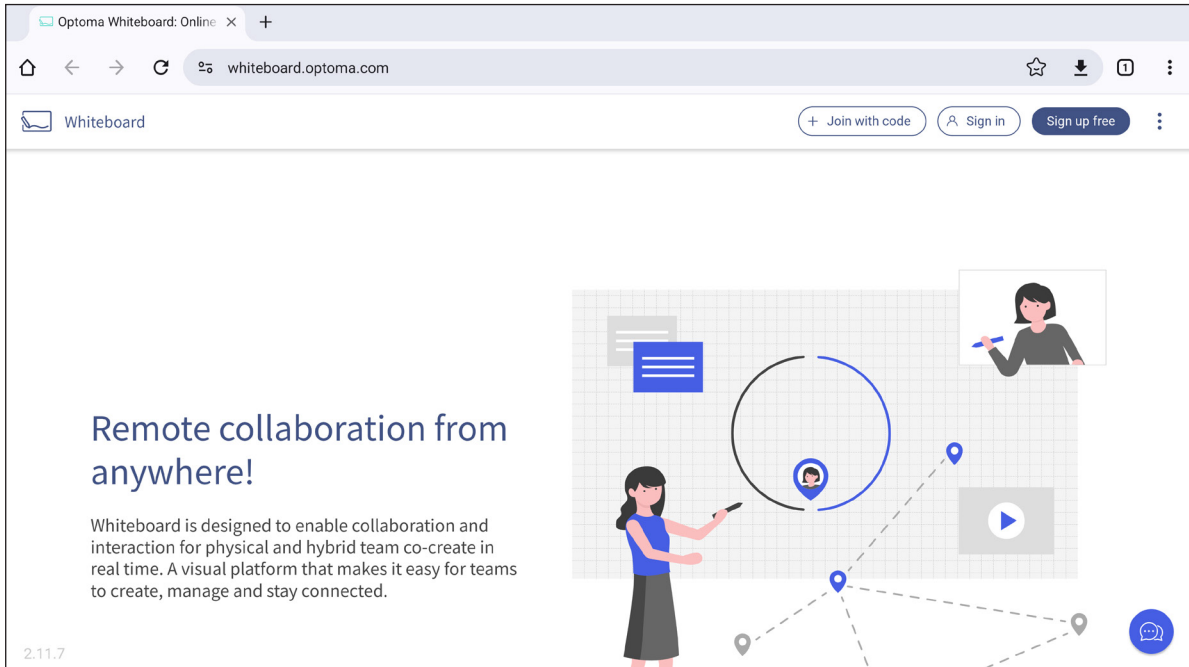
2. Input the name of the new folder and select **OK**.



USING THE APPS



Browser

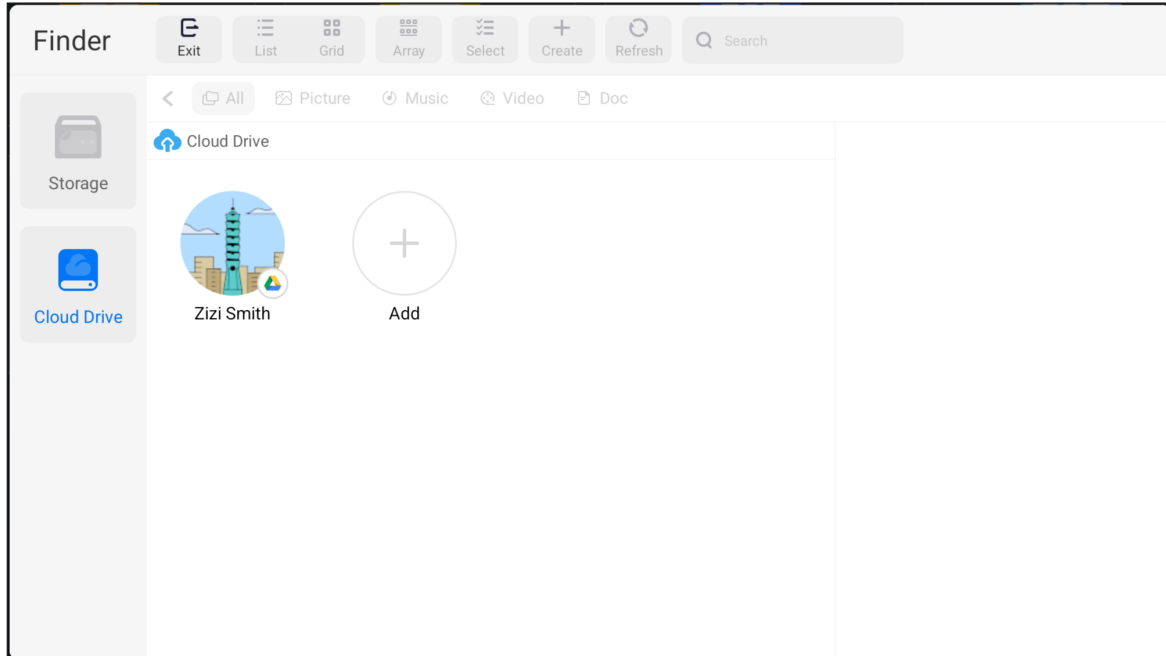
Select **Browser** to access web pages.



USING THE APPS

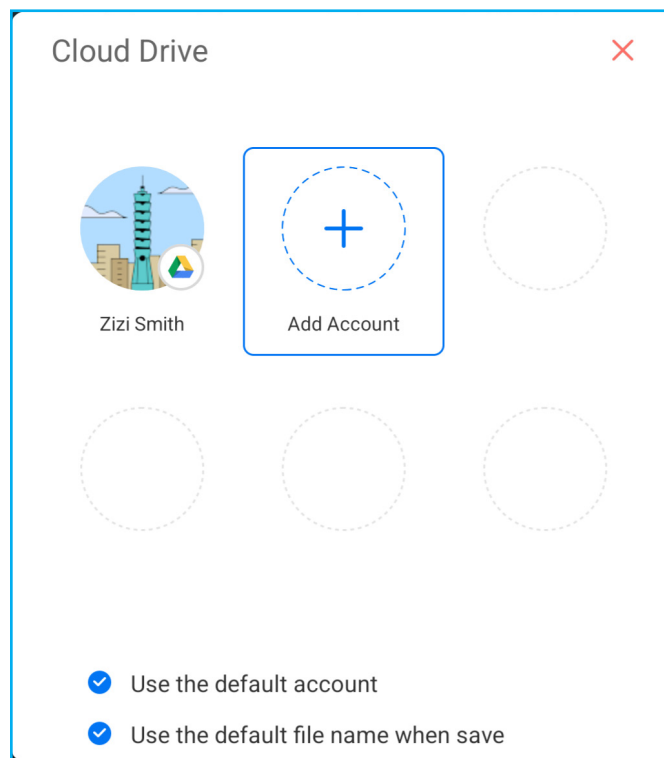
Cloud Drive

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



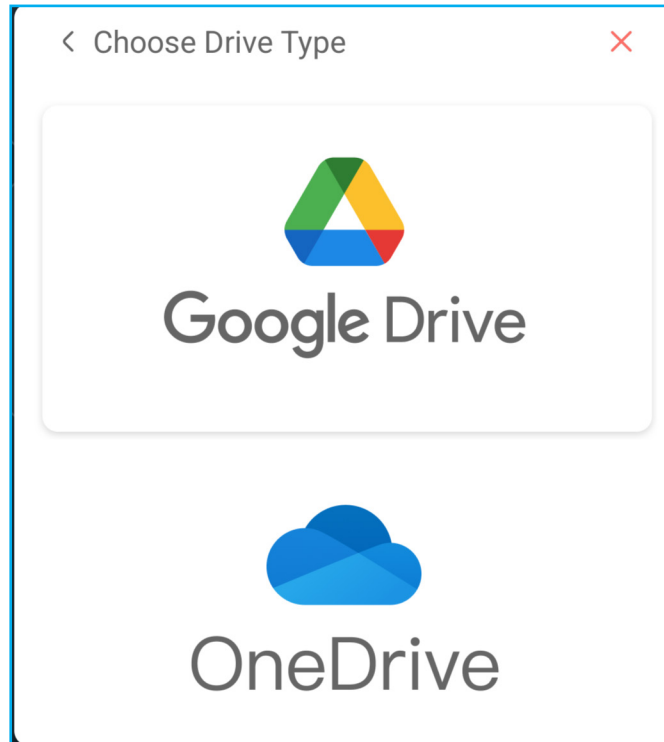
To create an account, do the following:

1. Select **Add Account**.

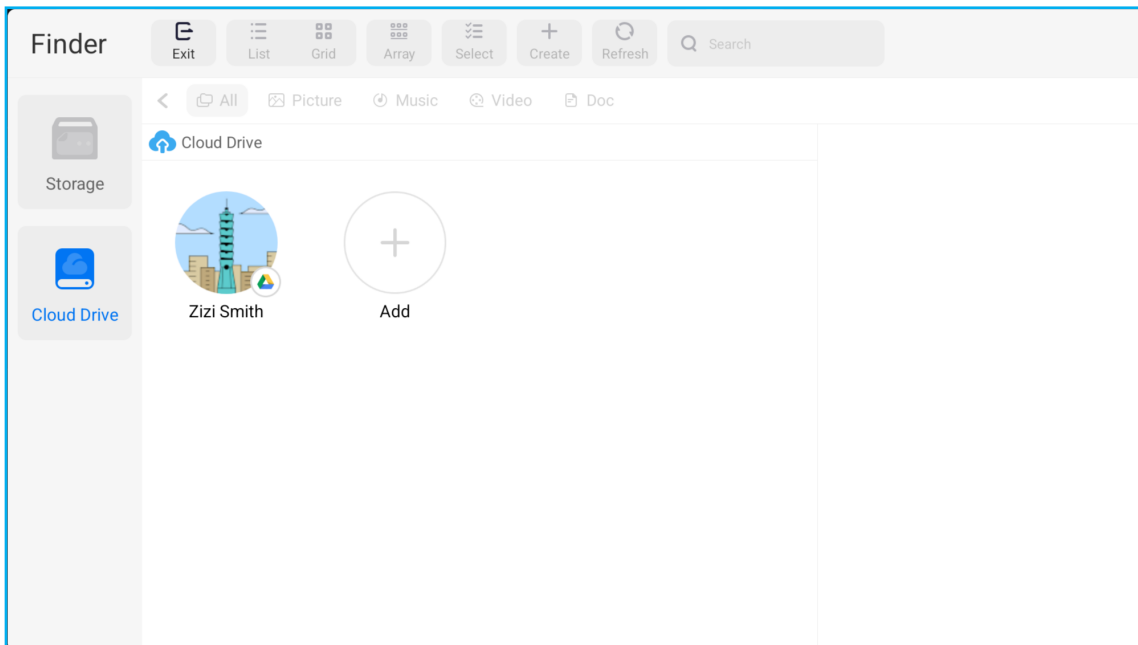


USING THE APPS

2. Select the drive type.



3. Follow on-screen instructions to create an account or sign in to your existing account.
Your account will be listed in the **Cloud Storage** tab of the *Finder* application.



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 Flat Panel 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

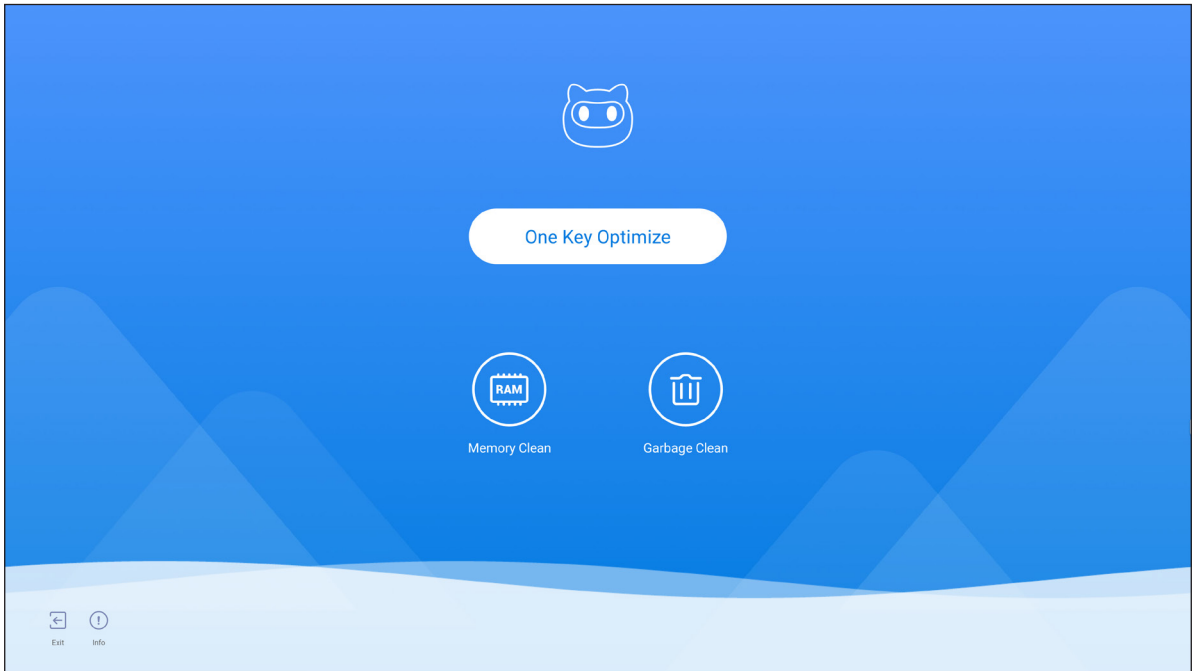
Features	Operation System
Web Sharing (Web Sender)	Chrome Browser
AirPlay Support	iOS 14 and above
ChromeCast	

USING THE APPS

Keeper

Select **Keeper** to clean and optimize data on the panel.

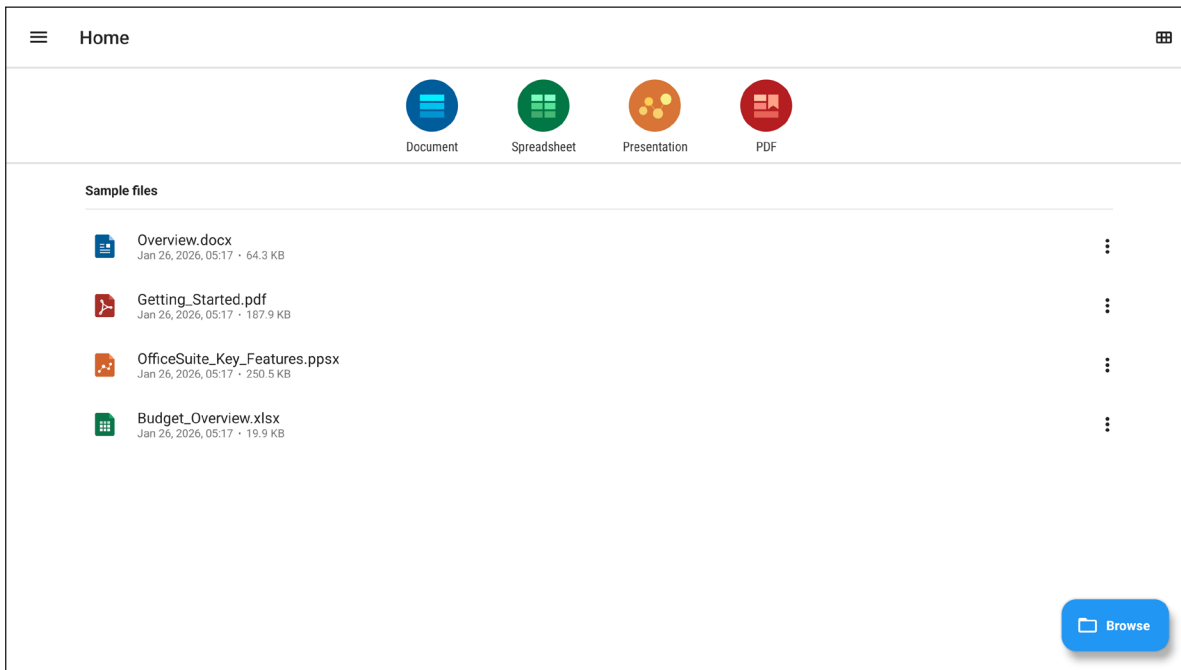
- To automatically clean the memory, deleting temporary and junk files, select **One Key Optimize**.
- To manually clean the memory, select **Clean Memory** . To manually delete temporary and junk files, select **Clean Trash** .



USING THE APPS



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



You can also open a document directly from **Finder**. Refer to page 80.

USING THE APPS

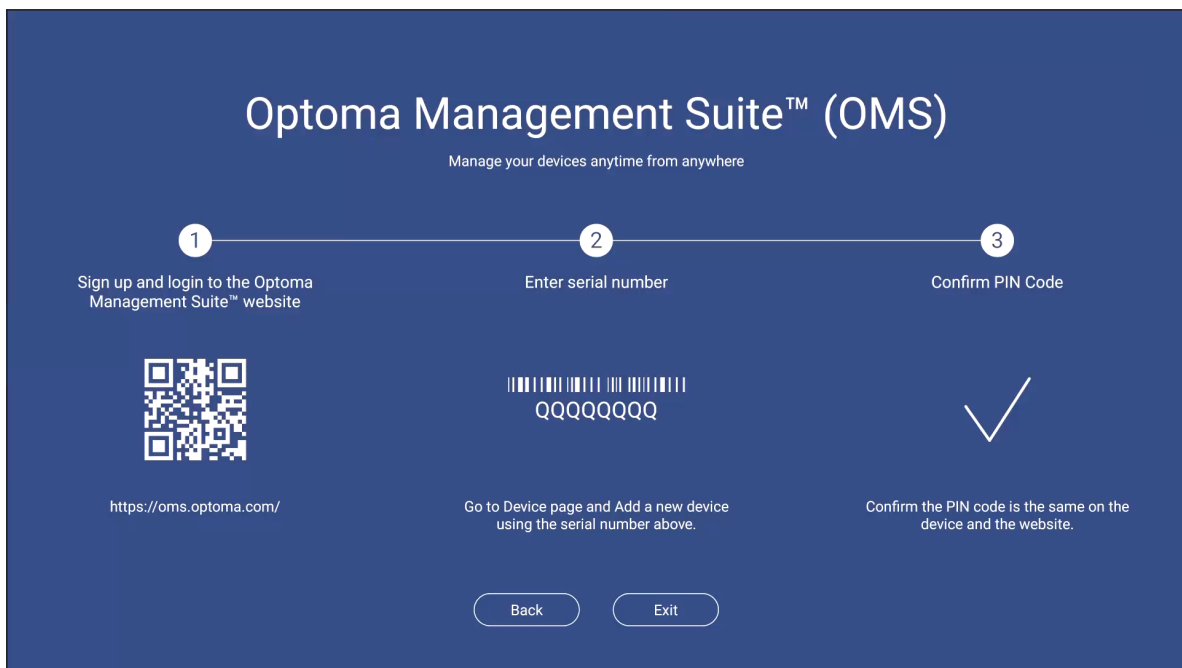
Optoma Management Suite (OMS)™

Optoma Management Suite (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**.



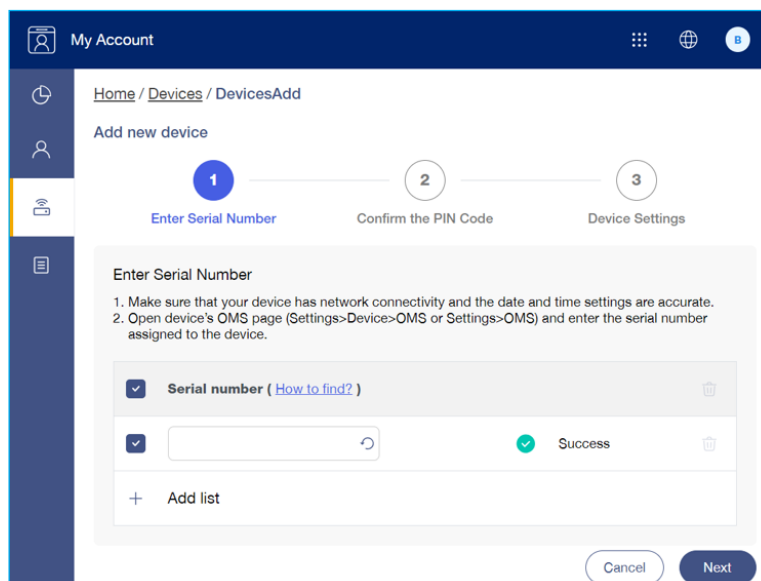
Optoma Management Suite™ (OMS)

Manage your devices anytime from anywhere

- 1 Sign up and login to the Optoma Management Suite™ website

<https://oms.optoma.com/>
- 2 Enter serial number

QQQQQQQQ
Go to Device page and Add a new device using the serial number above.
- 3 Confirm PIN Code

Confirm the PIN code is the same on the device and the website.

Back Exit

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



My Account

Home / Devices / DevicesAdd

Add new device

- 1 Enter Serial Number
- 2 Confirm the PIN Code
- 3 Device Settings

Enter Serial Number

1. Make sure that your device has network connectivity and the date and time settings are accurate.
2. Open device's OMS page (Settings>Device>OMS or Settings>OMS) and enter the serial number assigned to the device.

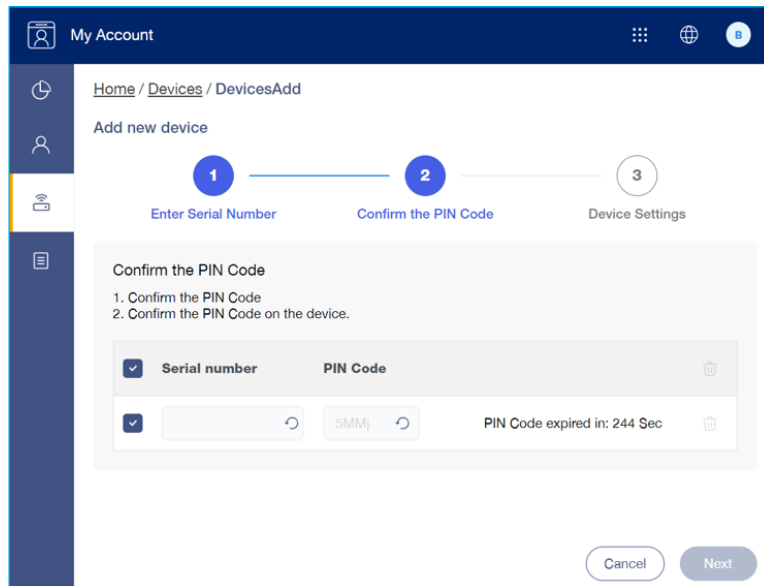
- Serial number (How to find?)
- Success

+ Add list

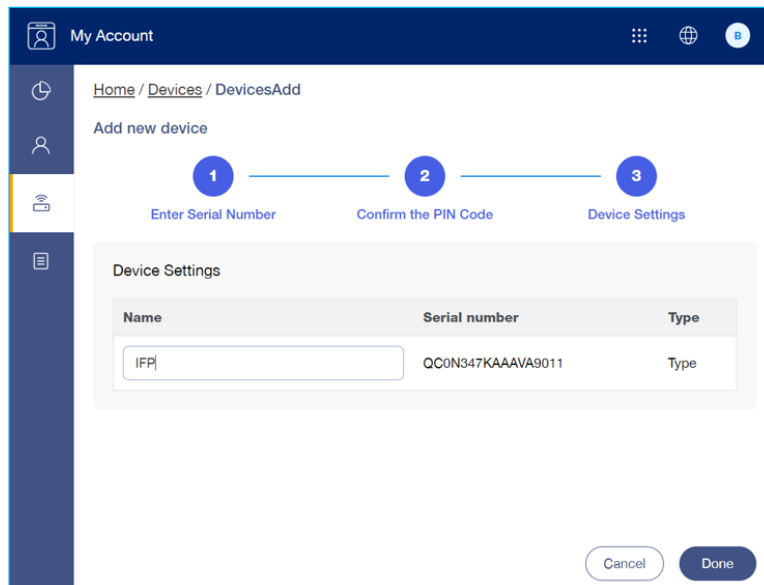
Cancel Next

USING THE APPS

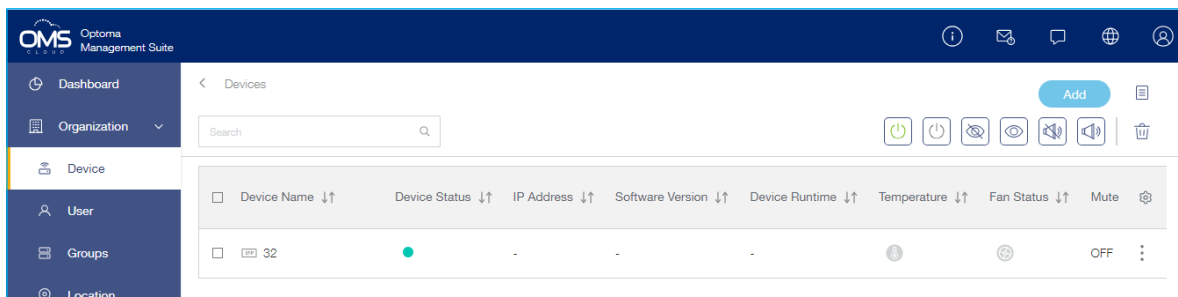
5. Confirm the pin codes on the IFP and your device. Click **Next**.



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.

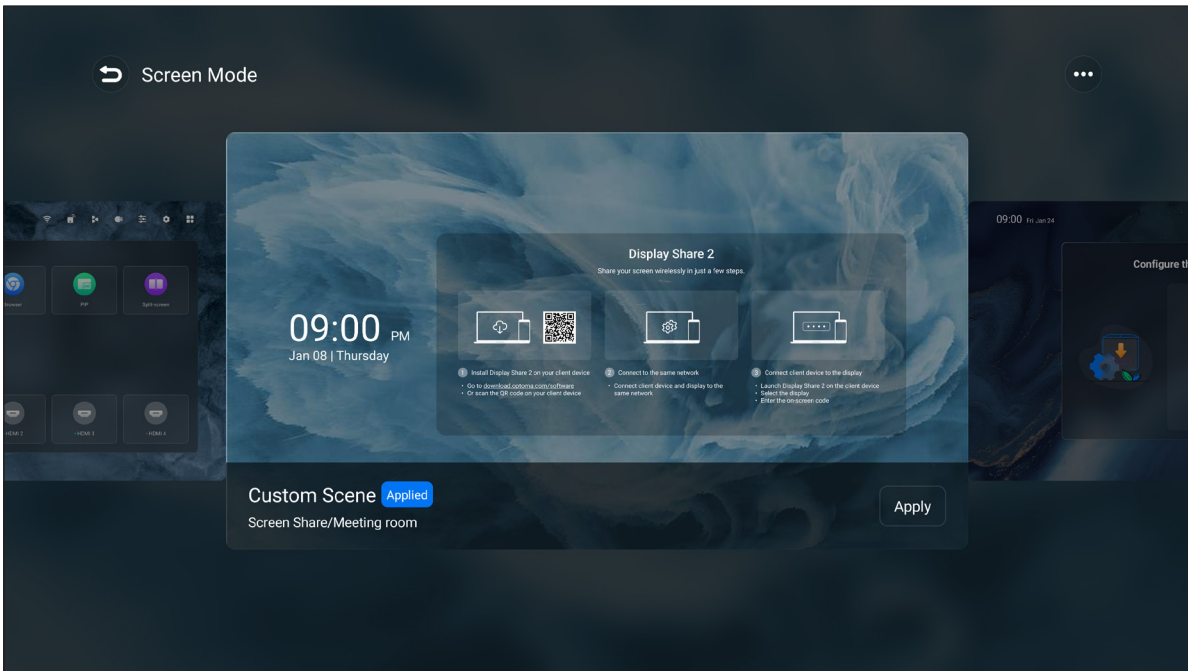


Note: For enhanced device management, you can group similar devices. To create a device group, click **Add** ⇒ **Group**. Then add the selected devices to the group.

USING THE APPS

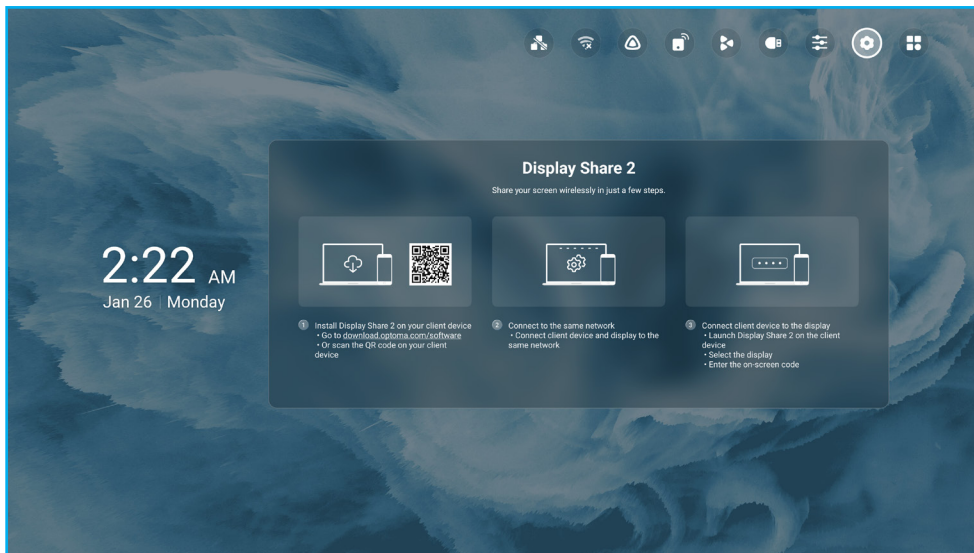
Screen Mode

Select **Screen Mode** configure the home screen UI based on your needs.



Select from the following screen modes:

- **Custom Scene** to share content between devices wirelessly.

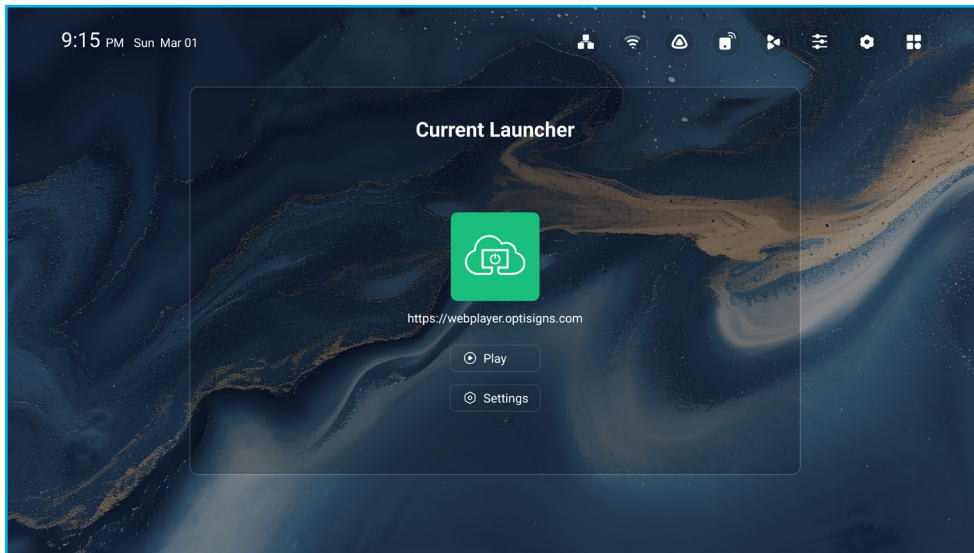


USING THE APPS

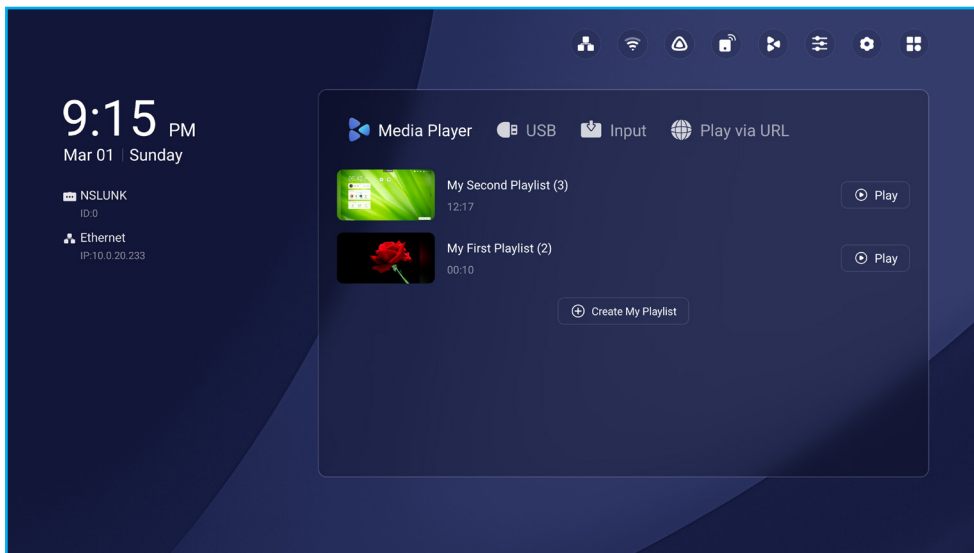
- **CMS Scene** to configure a CMS app.

Note:

- *The link pictured below is an example of a third-party CMS app.*
- *There are currently no third-party CMS apps built into the system. Any third-party CMS apps with which Optoma collaborates will be added to the system via software updates.*
- *You must use a third-party account to apply for and bind a CMS app to your device. Any usage rights are subject to third-party regulations.*

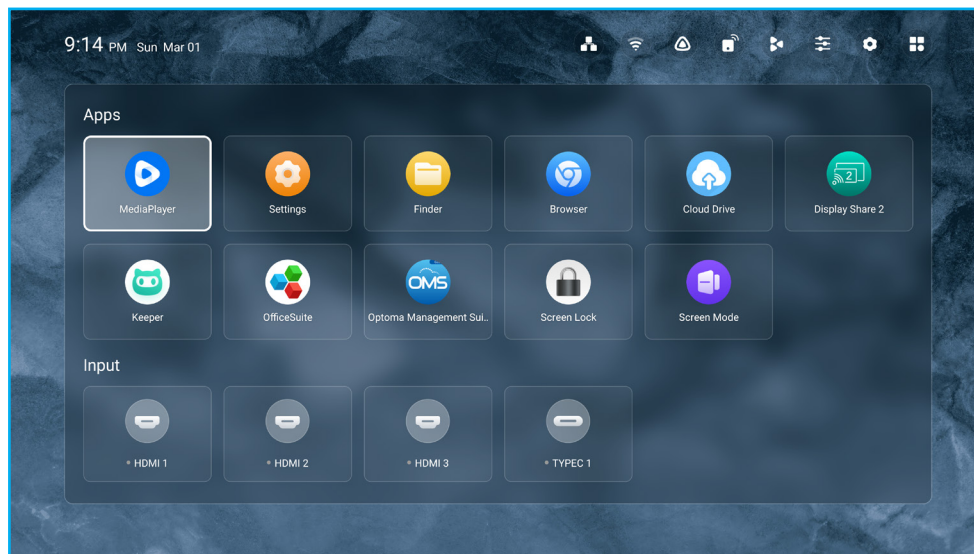


- **Quick Play Scene** to quickly access the MediaPlayer application and display multimedia content on the panel's screen.



USING THE APPS

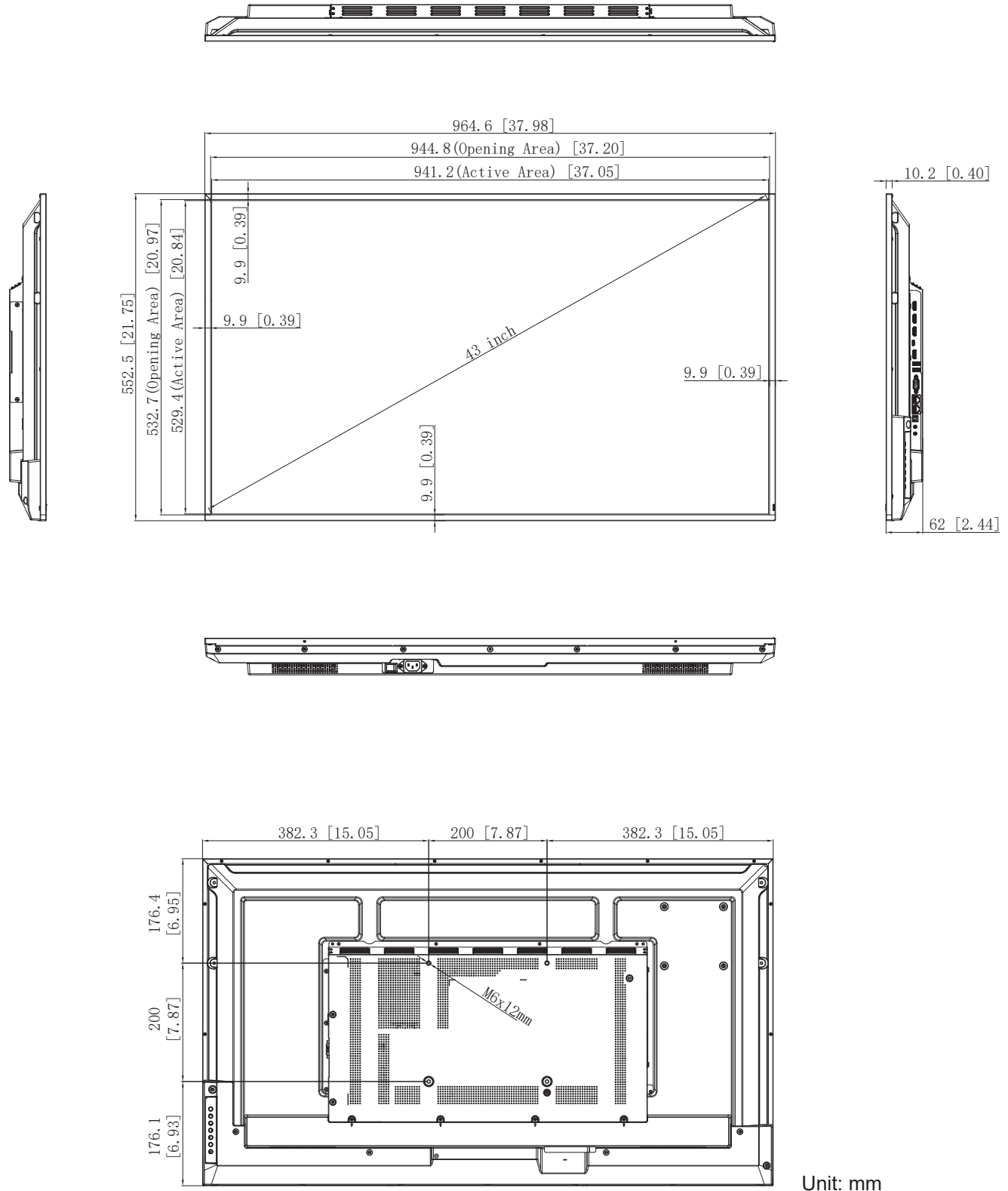
- **General Scene** to access applications and input sources from the home screen.



ADDITIONAL INFORMATION

Dimensions

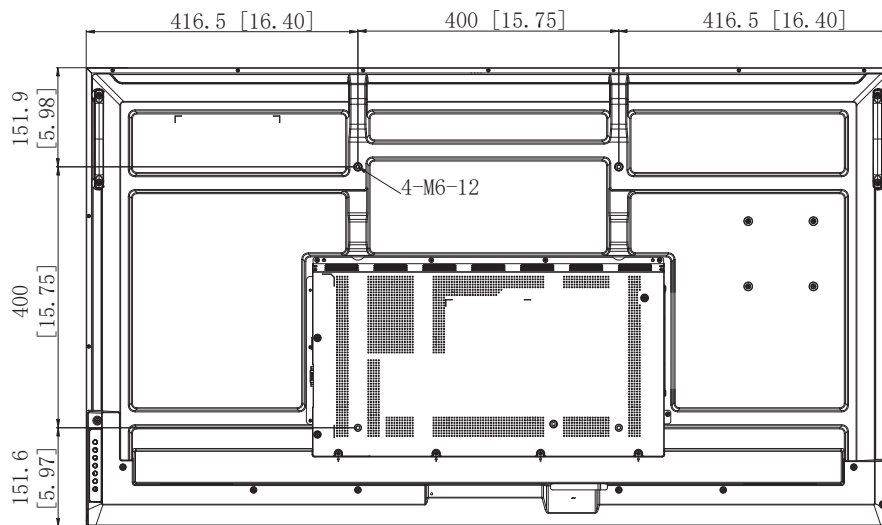
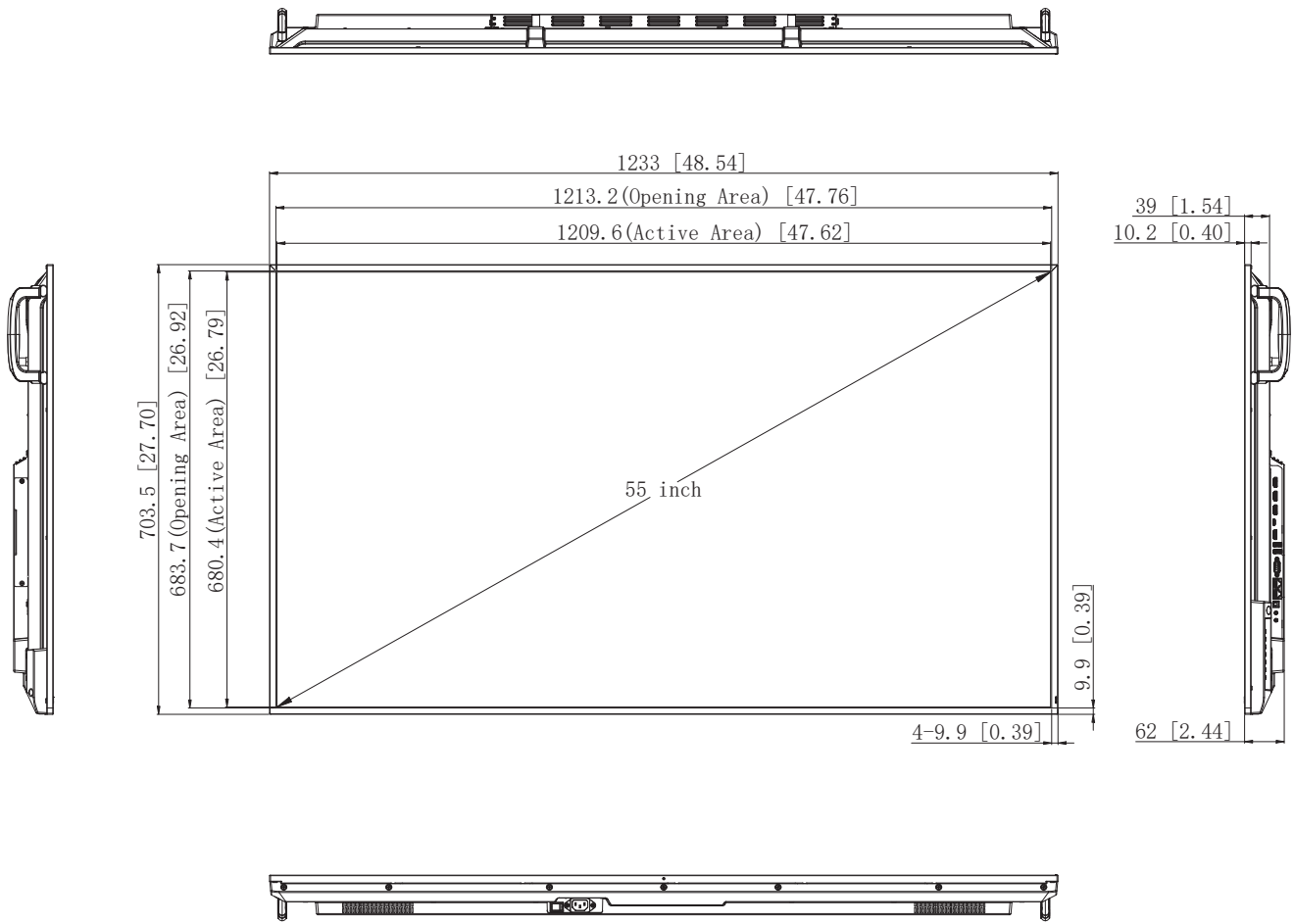
43-inch



Unit: mm

ADDITIONAL INFORMATION

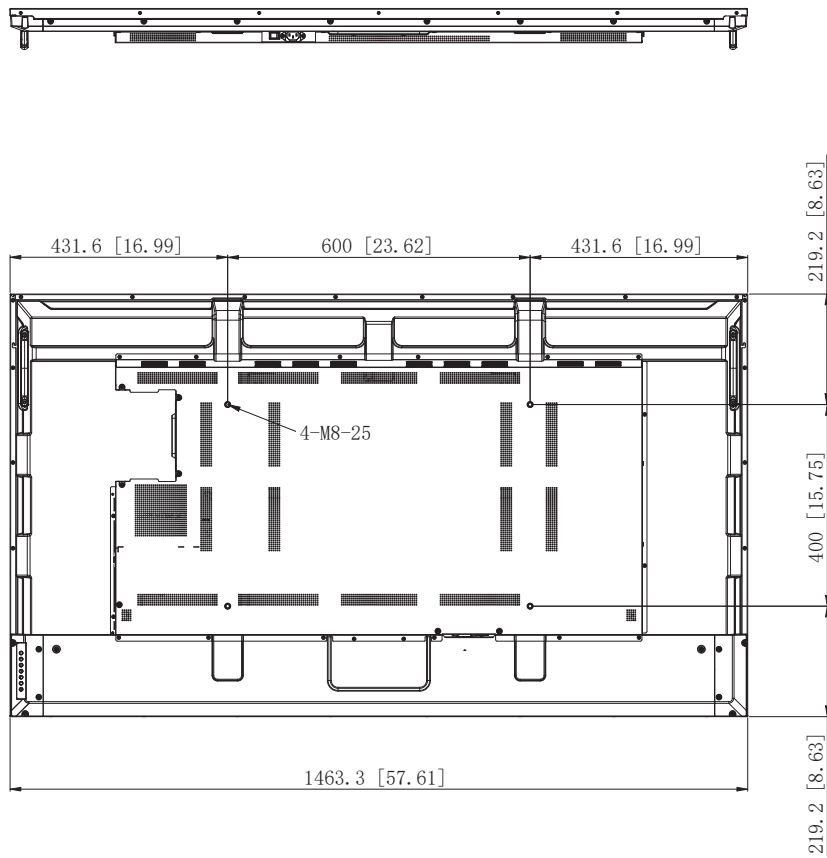
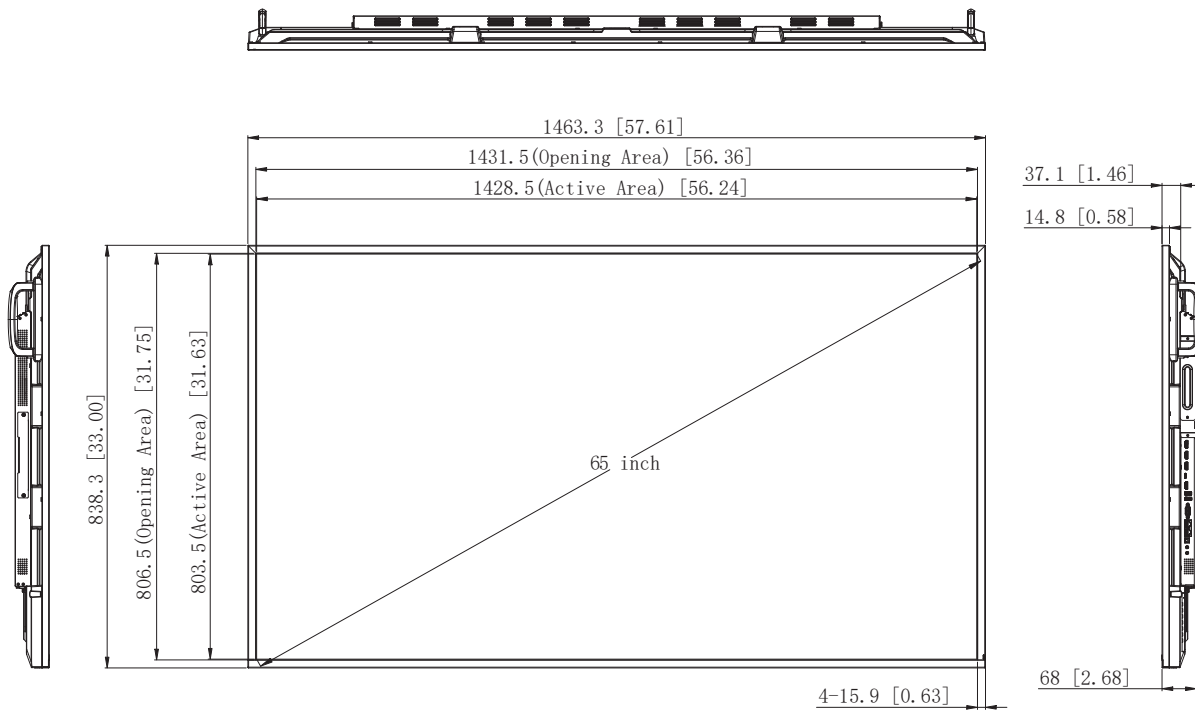
55-inch



Unit: mm

ADDITIONAL INFORMATION

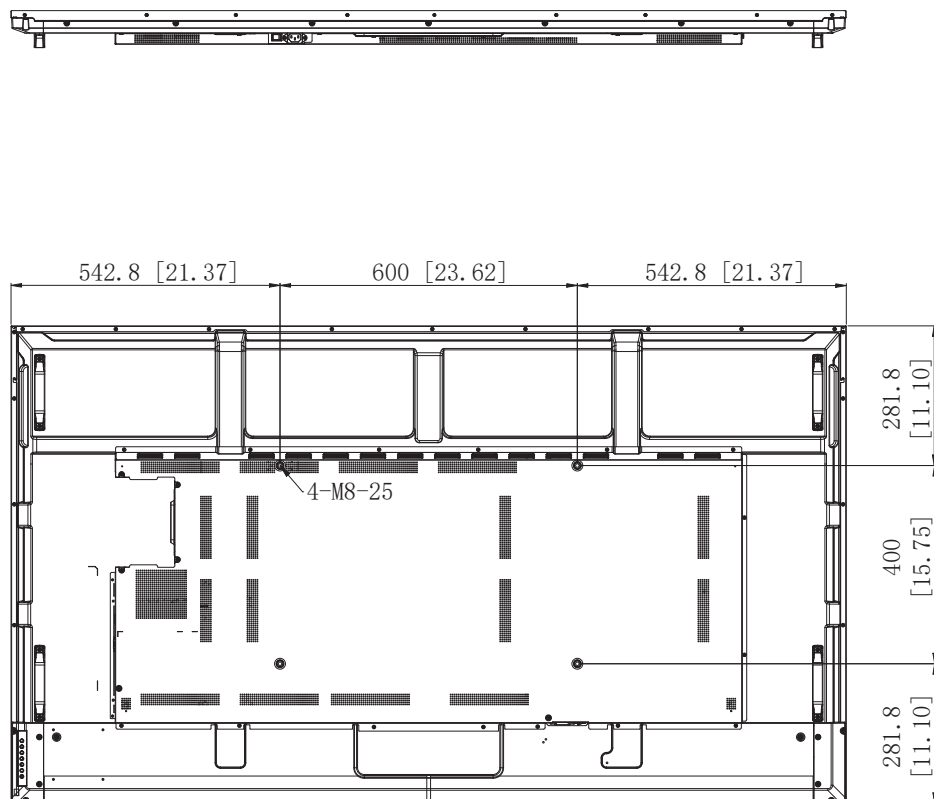
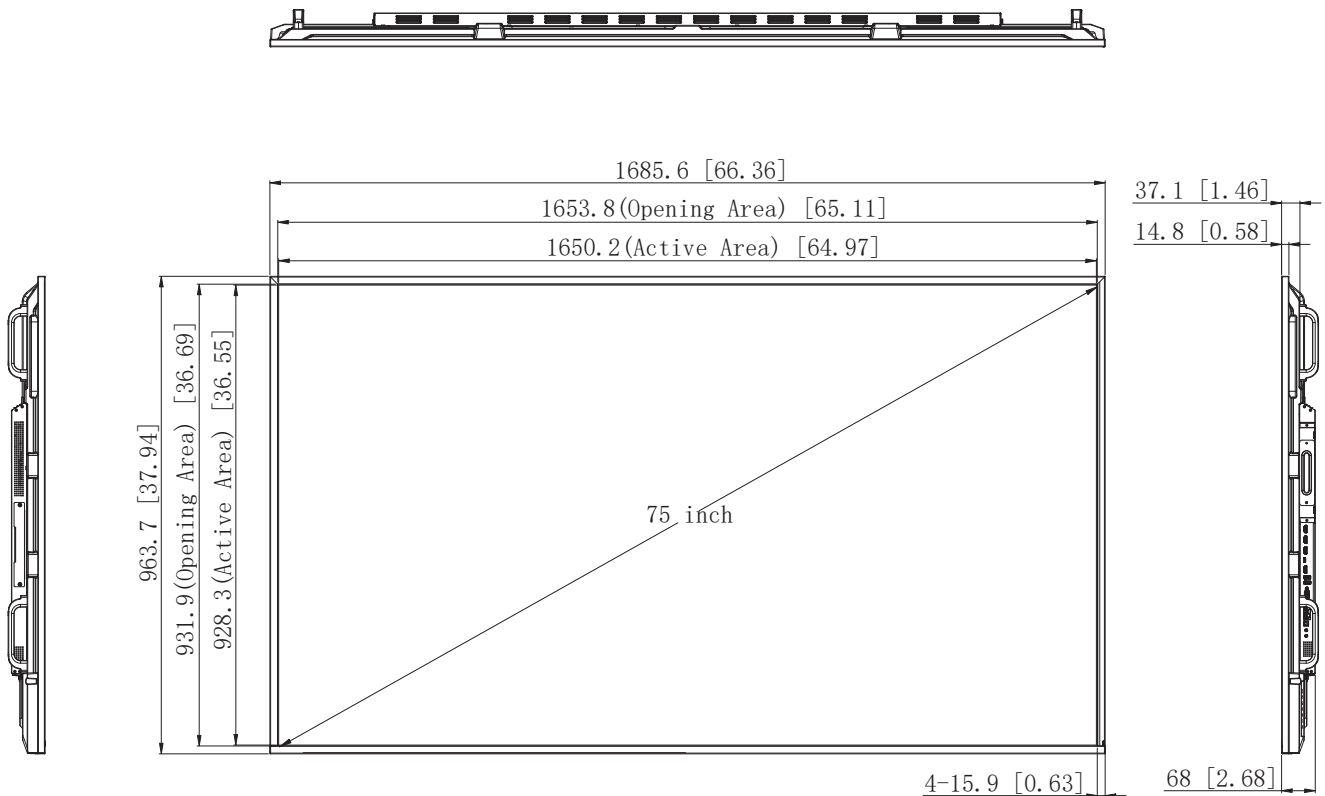
65-inch



Unit: mm

ADDITIONAL INFORMATION

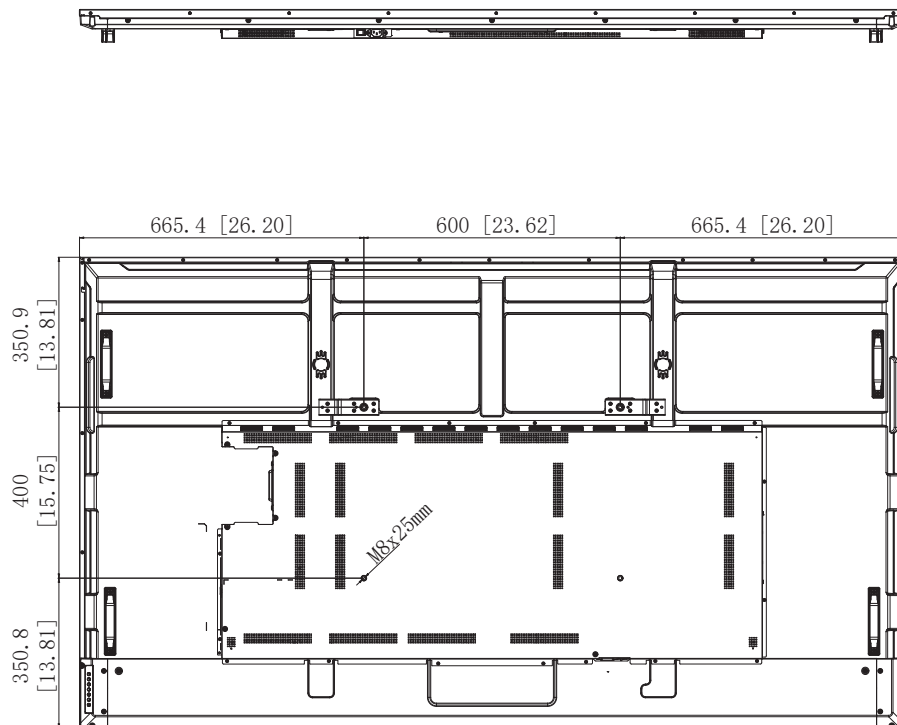
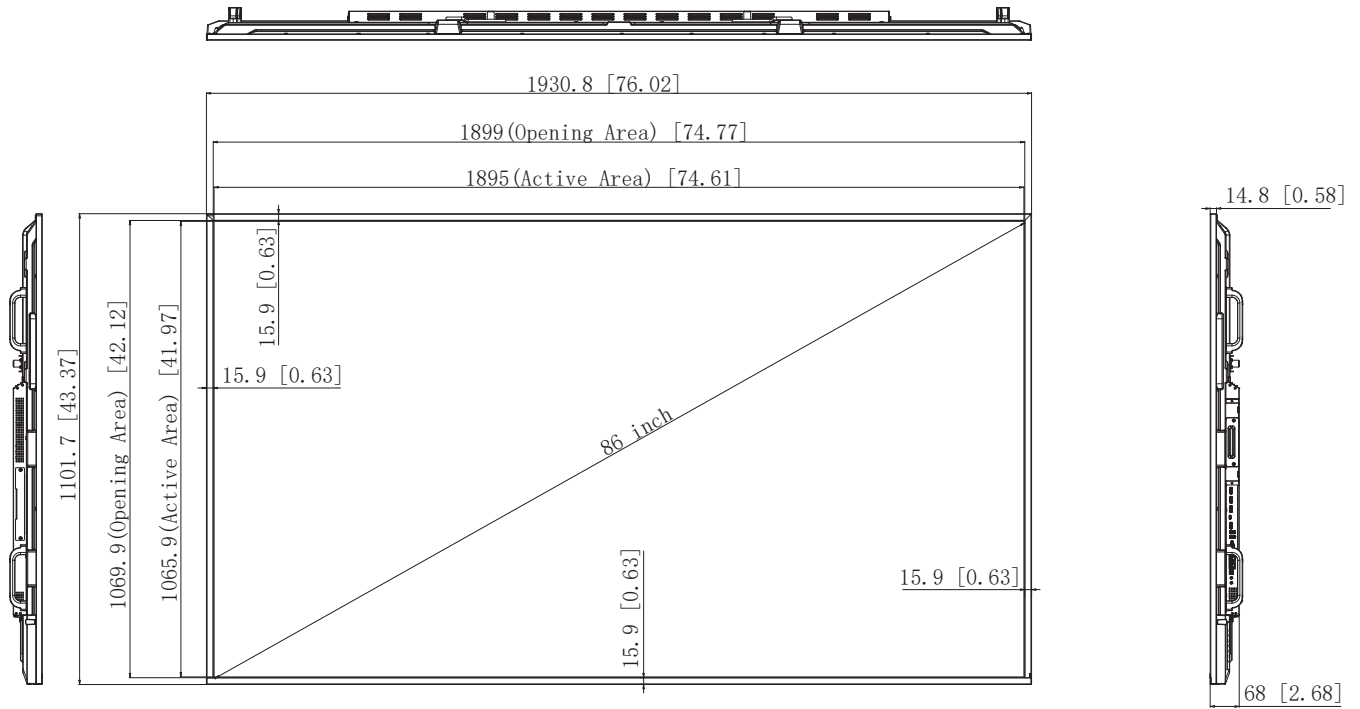
75-inch



Unit: mm

ADDITIONAL INFORMATION

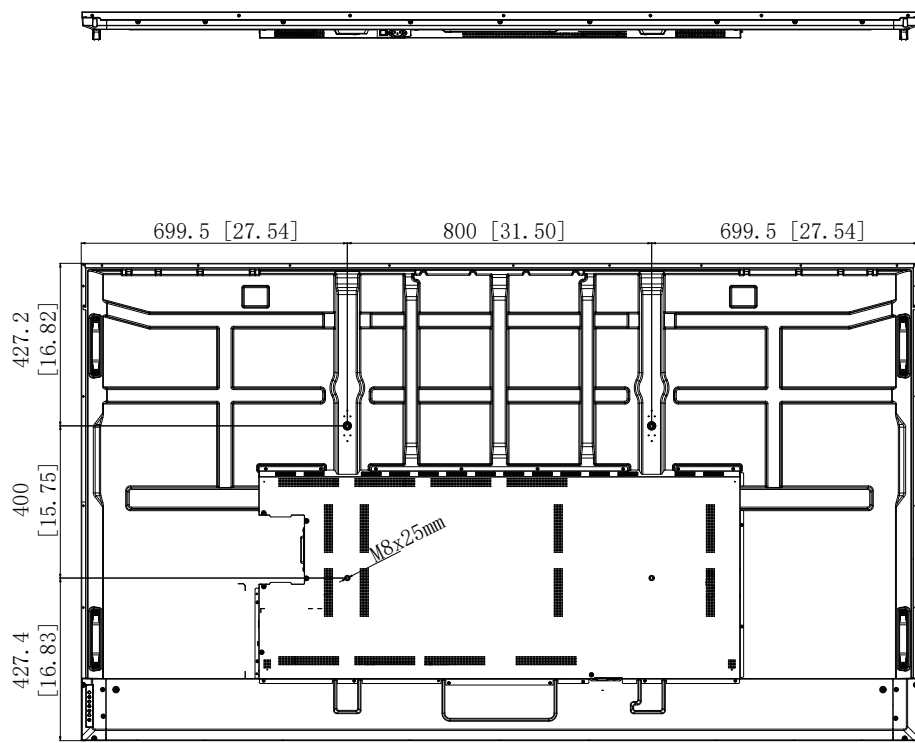
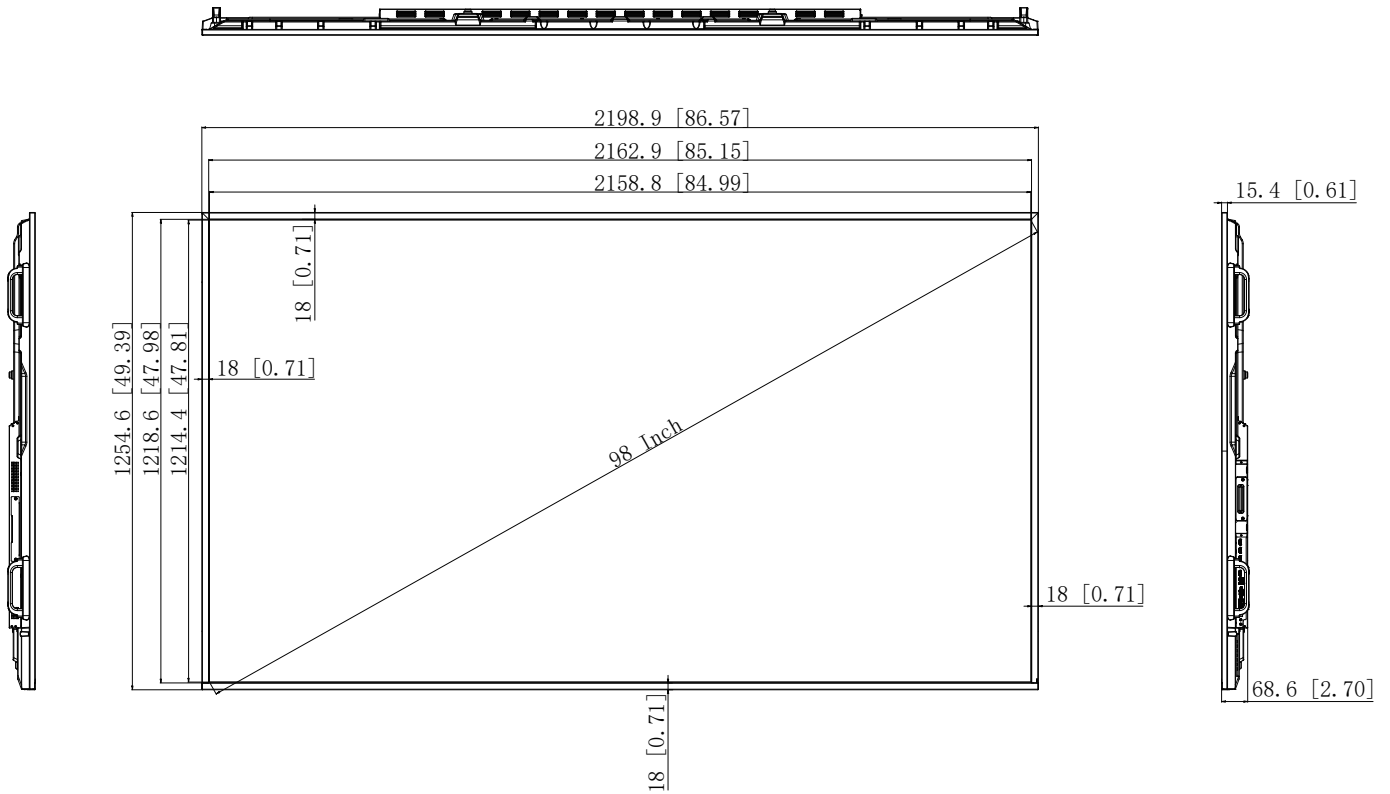
86-inch



Unit: mm

ADDITIONAL INFORMATION

98-inch



Unit: mm

ADDITIONAL INFORMATION

Supported Timing List

No.	Signal Timing Name	Reference	Clock	Hf	Vf	Input Source		
			[MHz]	[KHz]	[Hz]	HDMI	VGA	Type C
1	720*400 @70Hz	IBM	28.322	31.788	70	/	Y	/
2	640*480 @60Hz	VESA	25.18	31.469	59.94	Y	Y	Y
3	800*600 @56Hz	VESA	36	35.156	56.25	/	Y	Y
4	800*600 @60Hz	VESA	40	37.879	60.317	Y	Y	Y
5	1024*768 @60Hz	VESA	65	48.363	60.004	Y	Y	Y
6	1280*768 @60Hz(RB)	CVTRB	68.25	47.396	59.995	Y	Y	Y
7	1280*768 @60Hz	VESA	79.5	47.776	59.87	Y	Y	Y
8	1280*800 @60Hz	VESA	83.5	49.702	59.81	Y	Y	Y
9	1280*960 @60.000Hz	VESA	108	60	60	Y	Y	Y
10	1280*1024 @60Hz	VESA	108	63.981	60.002	Y	Y	Y
11	1360*768 @60Hz	VESA	85.5	47.712	60.015	Y	Y	Y
12	1440*900 @60Hz(RB)	CVTRB	88.75	55.469	59.901	Y	Y	Y
13	1440*900 @60Hz CVT	CVT	106.5	55.935	59.887	Y	Y	Y
14	1680*1050 60Hz	VESA	146.25	65.29	59.954	Y	Y	Y
15	1920*1080 60Hz	CEA	148.5	67.5	60	Y	Y	Y
16	640*480P594:3	CEA	25.175	31.469	59.94	/	/	Y
17	640*480P604:3	CEA	25.2	31.5	60	/	/	Y
18	720*480P604:3	CEA	27.027	31.5	60	/	/	Y
19	720*480P6016:9	CEA	27.027	31.5	60	/	/	Y
20	1280*720P5916:9	CEA	74.175	44.955	59.939	/	/	Y
21	1280*720P6016:9	CEA	74.25	45	60	/	/	Y
22	1440*480P604:3	CEA	54.054	31.5	60	/	/	Y
23	1440*480P5916:9	CEA	54	31.469	59.94	/	/	Y
24	1440*480P6016:9	CEA	54.054	31.5	60	/	/	Y
25	1920*1080P5916:9	CEA	148.35	67.432	59.939	/	/	Y
26	1920*1080P6016:9	CEA	148.5	67.5	60	/	/	Y
27	720*576P504:3	CEA	27	31.25	50	/	/	Y
28	720*576P5016:9	CEA	27	31.25	50	/	/	Y
29	1280*720P5016:9	CEA	74.25	37.5	50	/	/	Y
30	1440*576P5016:9	CEA	54	31.25	50	/	/	Y
31	1920*1080P5016:9	CEA	148.5	56.25	50	/	/	Y
32	1920*1080P2316:9	CEA	74.175	26.973	23.976	/	/	Y
33	1920*1080P2416:9	CEA	74.25	27	24	/	/	Y
34	1920*1080P2516:9	CEA	74.25	28.125	25	/	/	Y
35	1920*1080P2916:9	CEA	74.175	33.716	29.97	/	/	Y

ADDITIONAL INFORMATION

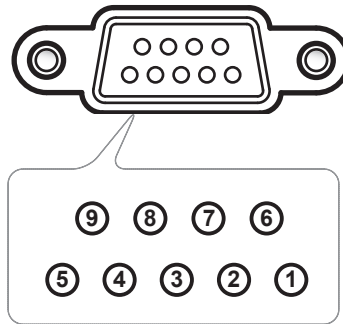
No.	Signal Timing Name	Reference	Clock	Hf	Vf	Input Source		
			[MHz]	[KHz]	[Hz]	HDMI	VGA	Type C
36	1920*1080P3016:9	CEA	74.25	33.75	30	/	/	Y
37	720(1440)*480i	CEA	27	15.734	59.939	Y	/	/
38	480p 59Hz	CEA	27	31.469	59.94	Y	/	/
39	480p 60Hz	CEA	27.027	31.5	60	Y	/	/
40	720(1440)*576i	CEA	27	15.625	50	Y	/	/
41	576p 50Hz	CEA	27	31.25	50	Y	/	/
42	720p 60Hz	CEA	74.25	45	60	Y	/	/
43	720p 59Hz	CEA	74.176	44.955	59.94	Y	/	/
44	720p 50Hz	CEA	74.25	37.5	50	Y	/	/
45	1080i 60Hz	CEA	74.25	33.75	60	Y	/	/
46	1080i 59Hz	CEA	74.176	33.716	59.94	Y	/	/
47	1080i 50Hz	CEA	74.25	28.125	50	Y	/	/
48	1080p 60Hz	CEA	148.5	67.5	60	Y	/	/
49	1080p 50Hz	CEA	148.5	56.25	50	Y	/	/
50	1080p 30Hz	CEA	74.25	33.75	30	Y	/	/
51	1080p 29Hz	CEA	74.176	33.716	29.97	Y	/	/
52	1080p 25Hz	CEA	74.25	28.125	25	Y	/	/
53	1080p 24Hz	CEA	74.25	27	24	Y	/	/
54	1080p 23Hz	CEA	74.176	26.973	23.976	Y	/	/
55	3840*2160 60Hz	CEA	594	135	60	Y	/	Y
56	3840*2160 50Hz	CEA	594	112.5	50	Y	/	Y
57	3840*2160 30Hz	CEA	297	67.5	29.97	Y	/	Y
58	3840*2160 25Hz	CEA	297	56.25	25	Y	/	Y
59	3840*2160 24Hz	CEA	297	54	23.982	Y	/	Y

ADDITIONAL INFORMATION

RS232 Protocol Function List

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

RS232 Pin Assignments



Pin No.	Spec. (from Panel 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 or 4032

~	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=0-100	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 C		n=27	7E 30 30 31 32 20 32 37 0d	P	F
		Slot 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
		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		7E 30 30 32 33 39 20 31 20 a 0d	P	F
	OSD lock Off with password		~xx239 2 ~nnnn		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
					Brightness	~xx125 n	n=1
	Volume	~xx120 n	n=1	7E 30 30 31 32 30 20 31 0D			
					Video Mute	~xx363 n	n=1
	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
					OK23	USB Type C	F
					OK20	Android	F
	Aspect Ratio	~xx127 n	n=1	7E 30 30 31 32 37 20 31 0D	OK21	Slot in PC	F
					OK1	4:3	F
					OK2	16:9	F
	Picture Mode	~xx123 n	n=1	7E 30 30 31 32 33 20 31 0D	OK14	PTP	F
					OK1	Presentation	F
					OK2	Bright	F
					OK3	Cinema	F
					OK5	User	F
	Color Temp	~xx128 n	n=1	7E 30 30 31 32 38 20 31 0D	OK10	DICOM SIM.	F
					OK21	HDR	F
					OK1	Cool	F
					OK0	Standard	F
					OK3	Warm	F
WLAN status	~xx451 n	n=1	7E 30 30 34 35 31 20 31 0D	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	
WOL Mac address	~xx555 n	n=4	7E 30 30 35 35 35 20 34 0D	Oknn:nn:nn:nn:nn:nn	Mac Address	F	
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	

ADDITIONAL INFORMATION

Type	Category	CMD		Hex Code CMD	Response		
					Success	Parameter	Failed
GET	LAN Mac address	~xx555 n	n=1	7E 30 30 35 35 35 20 31 0D	Oknn:nn: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	OK4	Device type = FP	F
	Information string	~xx150 n	n=1	7E 30 30 31 35 30 20 31 0D	OKabbbbbcdddee (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 = Of	F	
				OK1	DHCP = On	F	
n=18	7E 30 30 31 35 30 20 31 38 0D	Oknnn (ex. OK48)	System (SoC) 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)	Regulator 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
	Serial Number	~xx353 n	n = 1	7E 30 30 33 35 33 20 31 0D	Okaaaaaaaaaaaa aaaaaa	a = serial number string	F
	System Temperature Level	~XX155 n	n=1	7E 30 30 31 35 35 20 31 0D	Ok1	Green/Normal	F
Ok2					Orange/Notice	F	
Ok3					Red/Warning. About to trigger shutdown	F	

ADDITIONAL INFORMATION

Note: (*1)

Power	Running Time					Input Source		Firmware Version				Display Mode	
a	b	b	b	b	b	c	c	d	d	d	d	e	e
<ul style="list-style-type: none"> a=0 Power Off a=1 Power On 	Usage hours = nnnnn					<ul style="list-style-type: none"> cc=07 HDMI1 cc=08 HDMI2 cc=14 HDMI3 cc=18 Android cc=19 Slot in PC cc=21 USB Type C 		#	#	#	#	<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 Blue	Power on
Flash Red then Blue continuously	Backlight off

Port Information

Category	Function	Protocol	Port	Direction	Description
FP	QR code scan & Go function (https)	TCP	443	Inbound, Outbound	
	Samba (SMB/CIFS)	TCP	445	Inbound, Outbound	
	Media Player (https)	TCP	80	Inbound, Outbound	
	Browser (http/https)	TCP	no limit	osBookmarkModels	
	WPS (http/https)	TCP	80/443	Outbound	
	Live Record (rtmp/rtmps)	TCP	no limit	Outbound	
Essential / CB / FM / App store / Joan	Api request/response (http)	TCP	80	Inbound, Outbound	CB (embed browser), FOTA, FM (could drive), CB (google classroom), App store
	Api request/response (https)	TCP	443	Inbound, Outbound	CB (embed browser), FOTA, FM (could drive), CB (google classroom), App store
	webserver	TCP	8080	Inbound, Outbound	FM file (uploaded)
Essential	Optoma Framework	TCP	7070	Inbound, Outbound	
	Account Manager	TCP	9090	Inbound, Outbound	
OMSC / OMSL	OMSL (telnet)	TCP	23	Inbound	
	OMS Local Advanced Command (JSONRPC)	TCP	1688	Inbound	





ADDITIONAL INFORMATION

Category	Function	Protocol	Port	Direction	Description
OMSC / OMSL	Azure DPS/IoTHub	TCP	5671	Outbound	
	OMS Cloud API (https)	TCP	443	Outbound	
Creative Cast	Web Server - Chrome Browser Sender (HTTP)	TCP	80	Inbound, Outbound	
	Web Server - Chrome Browser Sender (HTTPS)	TCP	443	Inbound, Outbound	
	WCP Control Plane	TCP	3140	Inbound, Outbound	
	WCP Data Plane	UDP	0 ~ 65535 (random)	Inbound, Outbound	
	mDNS/Airplay - Device Discovery	UDP	5353	Inbound, Outbound	
	Remote View - Real Time Streaming Protocol (RTSP)	TCP	4240	Outbound	
	Video Streaming (HTTP)	TCP	6120	Inbound	
	Airplay - Audio/Video	TCP	7100	Inbound	
	Chromecast - Command Operation	TCP	8008	Inbound, Outbound	
	Chromecast - Communication	TCP	8009	Inbound, Outbound	
	Chromecast - Service Discovery (SSDP)	UDP	1900	Inbound, Outbound	
	Chromecast - Audio/Video	UDP	33112/38072 /50757	Inbound	

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 “Shortcut menu” section.
 - Make sure the panel is not turned off.
 - Turn off the mute function.
 - Make sure the volume is not set to the minimum level.
-  *The panel automatically shuts down.*
- Check whether there is a sudden power outage.
 - Make sure the power cord is not disconnected.
-  *The signal is out of range*
- The signal may be incompatible. Refer to the “Supported Timing List” section.
-  *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 panel.
 - Make sure there are no obstructions between the remote control and the panel. The distance between the remote control and the IR sensor window should not be longer than 8 meters.
 - Make sure batteries are inserted correctly and replace the batteries if they are depleted. Refer to the “Installing/Replacing the Remote Control Batteries” section.

ADDITIONAL INFORMATION

Maintenance

Proper routine maintenance can help with early fault detection and keep the panel 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 panel.
- Please contact the service center for internal cleaning of the panel.

Clean the Front Frame

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




ADDITIONAL INFORMATION

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