



# SMART Board® GX (V4) Plus

series interactive displays

## User guide

IDGX65-D | IDGX75-D | IDGX86-D



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**SMART**®

## Important information

Before installing or using a SMART Board® GX (V4) Plus series interactive display, review the important information included with the display. If you cannot find this information, it is available online.

See > [docs.smarttech.com/kb/171931](https://docs.smarttech.com/kb/171931)

## Learn more

This guide and other resources for SMART Board GX (V4) Plus series interactive displays are available in the Support section of the SMART website ([smarttech.com/support](https://smarttech.com/support)). Scan this QR code to view these resources on your mobile device.



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July 30, 2025

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# Chapter 1 **Welcome**

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The SMART Board GX (V4) Plus series interactive display is the hub of your classroom or meeting room.

## About this guide

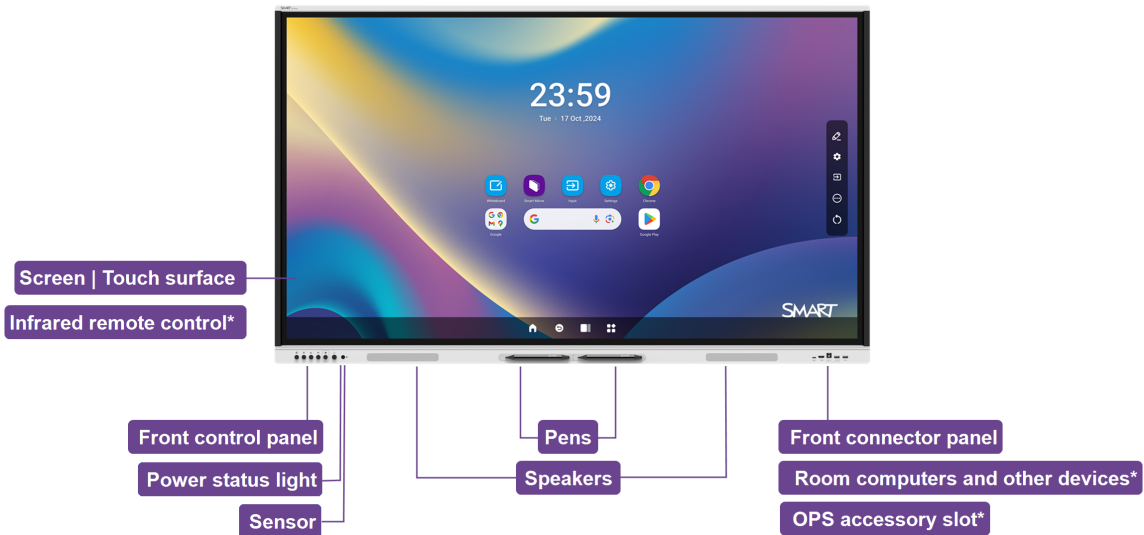
This guide explains how to use a SMART Board GX (V4) Plus series interactive display.

This guide is intended for individuals who use displays in their organizations. Other documentation and resources are available for those who install and maintain displays.

See > *More information* on page 7

## About the display

Before using the display for the first time, take this tour to familiarize yourself with its components:



\* Not shown

Component	Description	In this guide
Screen   Touch surface	<p>The display comes in the following screen sizes:</p> <ul style="list-style-type: none"> <li>• 65"</li> <li>• 75"</li> <li>• 86"</li> </ul> <p>You can do everything on the display that you can do at your computer—open and close applications, meet with others, create new documents or edit existing ones, visit websites, play and manipulate videos, and so on—by touching the display's touch surface.</p> <p>You can also use a variety of gestures within applications, including panning, scaling, rotating, and zooming in and out.</p> <p>The display's Advanced infrared technology supports up to 50 touch points (depending on the connected device's operating system).</p> <p>See <a href="#">› Using touch</a> on page 14</p>	
Pens	<p>The display comes with two pens, which you can use to write or draw on the screen.</p> <p>Use your fist or palm to erase digital ink on the screen.</p> <p>With Object Awareness™, the display responds automatically to the tool or object you're using, whether it's a pen, finger, or palm. The display's simultaneous tool differentiation technologies allow two people to write independently and simultaneously.</p>	See <a href="#">› Page 16</a>
Sensor	<p>The display includes an infrared sensor that works with the infrared remote control and an ambient light sensor that can detect the brightness of the room and adjust the screen's brightness accordingly.</p>	
Power status light	<p>The power status light indicates the display's status:</p> <ul style="list-style-type: none"> <li>• When the power status light is red, the display is in Standby mode.</li> <li>• When the power status light is blue, the display is in normal operating mode.</li> </ul>	

Component	Description	In this guide
Infrared remote control	You can use the remote control to turn the display on and off, adjust display settings, and so on.	See > Page 12
Front control panel	The front control panel provides buttons for turning the display on and off, controlling the volume, freezing the screen, and displaying the Home screen.	See > Page 11
Front connector panel	The front connector panel includes connectors for USB peripherals and a computer or other input.	See > Page 64
Room computers and other devices	Room computers, peripherals, and other devices might be connected to the display's side and bottom connector panels. You can switch to these devices' inputs to view and interact with them. The display comes with SMART software that your organization can install on connected computers to take full advantage of the display's features while using the connected computers.	See > Page 64
OPS appliances	The display also includes an OPS accessory slot. If a SMART OPS appliance is installed in this slot, you can switch to its input and view and interact with it as well.	
Speakers	The display includes two integrated speakers, designed to provide sound at the front of a room. As an alternative to using these integrated speakers, your organization might have connected an external audio system to the display. Whether you use the integrated speakers or an external audio system, you can adjust the volume using the front control panel or the remote control.	See > Page 17

## More information

In addition to this guide, SMART provides other documents for the display in the Support section of the SMART website ([smarttech.com/support](http://smarttech.com/support)).

Scan the QR code on page 2 to view links to SMART Board GX (V4) Plus series interactive display documents and other support resources.

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This chapter explains how to wake the display when it's asleep, how to view connected computers' input, and how to interact with the display.


## Turning on and turning off the display


In most situations, the display enters Standby mode when not in use.

In some situations, such as when you transport the display or clean its screen, you need to turn the display off. You can turn it back on after.

You can also restart the display.

### Waking up the display and putting it back in Standby mode

If the display is in Standby mode, you can wake it by pressing the **Power** button  on the front control panel or remote control.

To return the display to Standby mode, press and hold the **Power** button  on the front control panel or remote control for three seconds to begin a 10 second countdown before the display enters Standby mode.


#### Note

When the display is connected to an external input that has had no active signal for 5 minutes, it begins a 10 second countdown before it enters Standby mode.

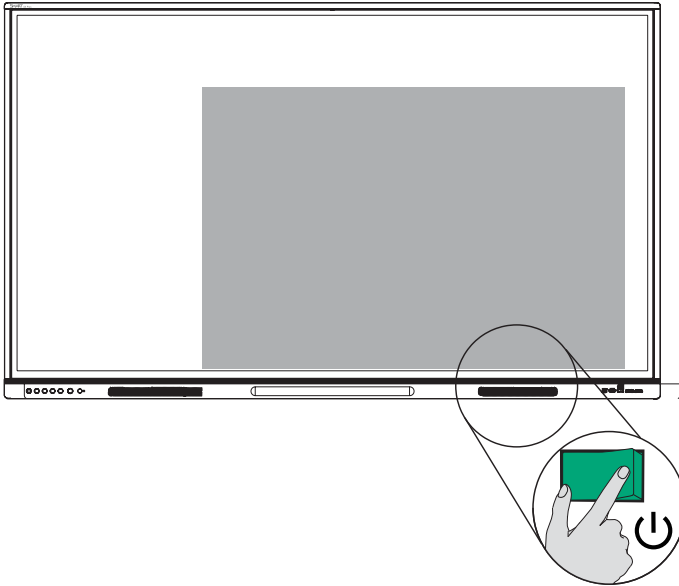
See also > *Turning the display off and turning it back on* below.

## Turning the display off and turning it back on

### To turn the display off

1. Press and hold the Power button  on the front control panel or remote control for three seconds to begin a 10 second countdown before the display turns off and the status light stops blinking.

2. Flick the power switch (beside the AC power inlet) on the bottom of the display's rear surface to the OFF (O) position.



### To turn the display on

Flick the power switch (beside the AC power inlet) on the bottom of the display's rear surface to the ON (I) position.

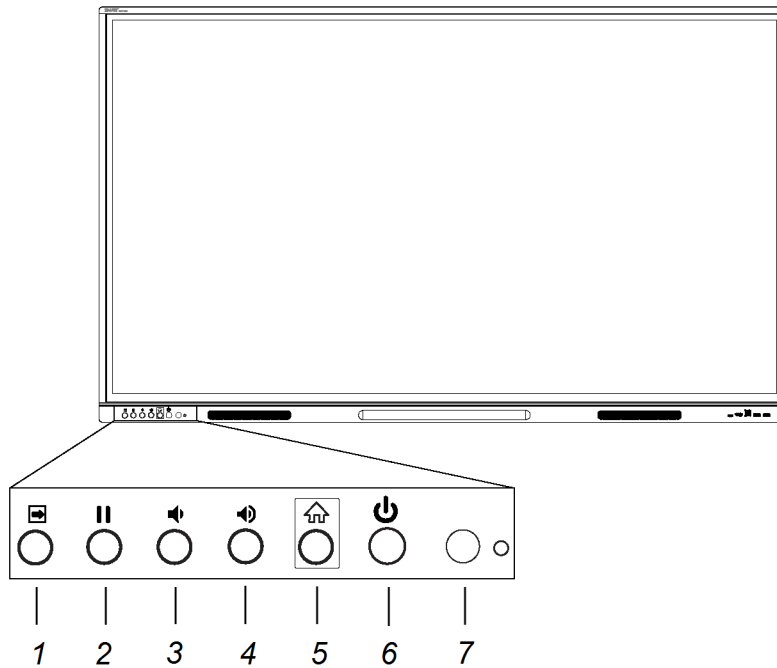
### To turn the display on or off (with an OPS module installed)

- If PC is currently set as the default input in display settings, the OPS module will start automatically when the display is turned on.  
See > **Settings** > **Advanced** > **Startup & Shutdown**
- Before turning off the display, turn off the OPS module using the power controls on the OPS module (such as the *Shut down* command in the Windows® 10 start menu on the OPS).
- When the OPS module is turned off, it is then safe to turn off the display using the steps listed above in *To turn the display off*.

# Using the front control panel

The front control panel contains buttons for turning the display on and off, controlling the volume, freezing and unfreezing the screen, and going to the Home screen.

The front control panel also includes a light that indicates the display's current power state.



No.	Name	Procedure	For more information
1	Input select	Press to switch inputs.	See > Page 69
2	Freeze	Press to freeze and unfreeze the screen.	See > Page 18
3	Volume decrease	Press to turn down the volume.	See > Page 17
4	Volume increase	Press to turn up the volume.	See > Page 17
5	Home	Return to the Home screen.	N/A
6	Power, and status light	<ul style="list-style-type: none"> <li>Enter or exit Ready mode.</li> <li>See &gt; <i>Turning the display off and turning it back on</i> on page 9</li> </ul> Press and hold for three seconds to begin a 10 second countdown before the display before the display enters Standby mode.	See > Page 9

No.	Name	Procedure	For more information
7	Remote control receiver and ambient light sensor	N/A	N/A

The Power button's color indicates the display's status:

Power button	Display status
Off	Not receiving power
Red (solid)	Standby mode
Red/blue (blinking, slow)	Ready mode
Blue	Normal operating mode
Red/blue (flashing, rapid)	Background process running (for example, a firmware update is in progress or display is turning off)

## Using the remote control

The display comes with an infrared remote control.

Use the infrared remote control to turn the display on or off, switch inputs, control the volume, access the display's apps, and more. You can also use the remote control to open the on-screen menus and change the display's settings.

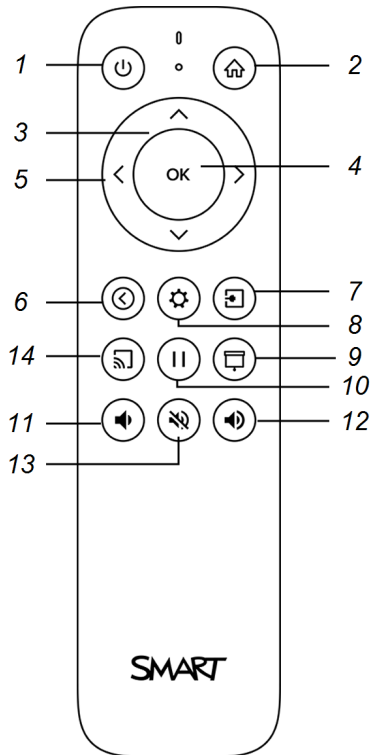
### Important

- Do not subject the remote control to strong shock.
- Keep the remote control away from liquids. If it gets wet, wipe it dry immediately.
- Do not expose the remote control to heat or steam.
- Do not open any part of the remote control other than the battery compartment.

### Notes

- The remote control is paired with the display out of the box. You don't need to pair it manually.
- When using the remote control, point it directly at the display's infrared sensor.

This image and table describe the remote control's functions.



No.	Name	Procedure
1	Power	Press to wake the display or put it back in ready mode. Press and hold for five seconds to turn off or restart the display. See > <i>Turning on and turning off the display</i> on page 9
2	Home	Press to open the Home screen.
3	Up and down buttons	Press to navigate to menu options in the settings.
4	OK	Press to select a menu option in the settings.
5	Left and right buttons	Press to change the value of the selected setting.
6	Back	Press to go one step back in the navigation history.
7	Input	Press to switch inputs.
8	Settings	Press to hide the display settings menu while viewing the Home screen. Press to show or hide the Input settings dialog when viewing a connected input.

No.	Name	Procedure
9	Screen shade	Press to hide screen contents behind a screen shade. See > <i>Showing and hiding the screen shade</i> on page 18
10	Freeze frame	Press to freeze and unfreeze the screen. See > <i>Freezing the screen</i> on page 18
11	Volume up	Press to increase the volume. See > <i>Adjusting the volume</i> on page 17
12	Volume down	Press to decrease the volume. See > <i>Adjusting the volume</i> on page 17
13	Volume mute	Press to mute the volume. See > <i>Adjusting the volume</i> on page 17
14	Share screen	Press to open the SMART Mirror app. See > <a href="#">SMART Mirror</a>

## Using touch

You can do everything on the SMART product that you can do at your computer—open and close applications, meet with others, create or edit documents, visit websites, play and manipulate videos, and so on—by touching the SMART product’s surface.

You can use a variety of gestures within applications, including panning, scaling, rotating, and zooming.

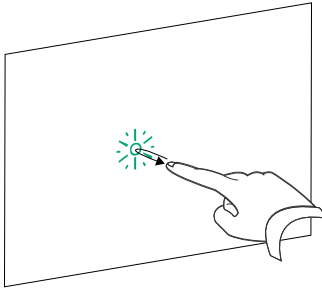
The display’s support for up to 50 simultaneous interaction points enables you and other users to interact with objects on the screen at the same time.

### Note

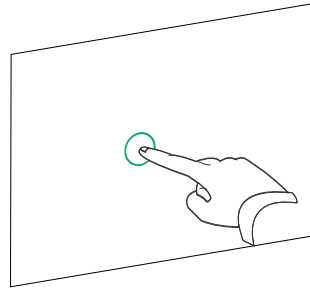
Not all gestures work in all applications. Refer to an application’s documentation to learn which gestures it supports.

Chapter 2 **Using basic features**

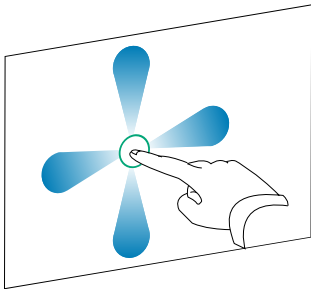
*Tap*



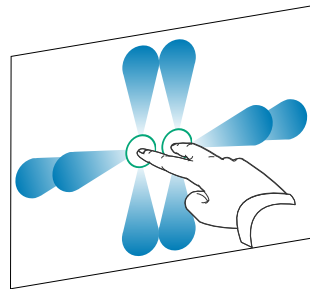
*Press and hold*



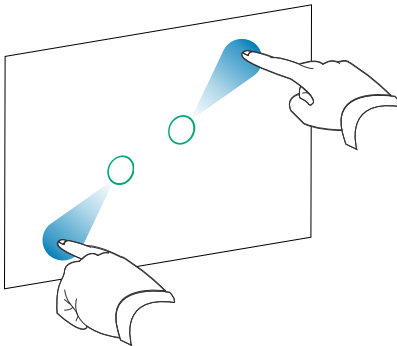
*Pan (one finger)/move object*



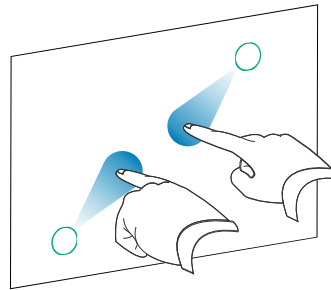
*Pan (two fingers)/scroll*



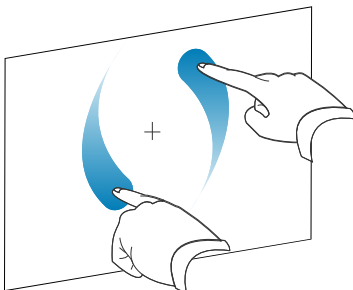
*Pinch to zoom in/scale (enlarge)*



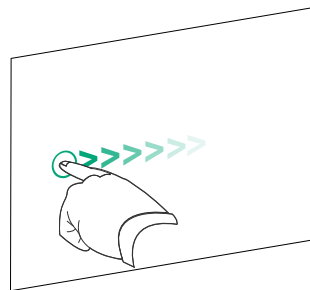
*Pinch to zoom out/scale (reduce)*

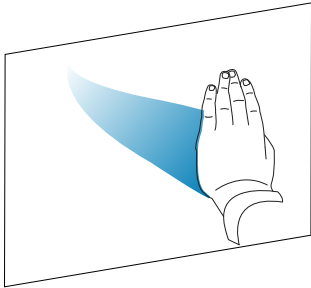
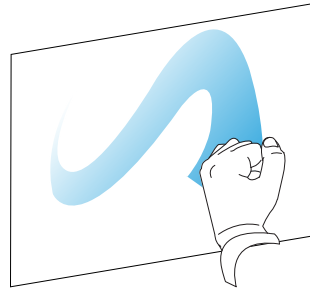


*Rotate*



*Flick*



*Erase with palm**Erase with fist*

## Writing, drawing, and erasing

The display includes two pens, which you can use to write or draw in digital ink. You can erase digital ink using gestures or the eraser tool in the apps.

### Note

Hold the pens at a right angle to the display as you write or draw. If you hold a pen more than 45° from perpendicular to the display, the display might interpret the pen as a finger.

## Writing and drawing in digital ink

1. Pick up one of the display's pens.
2. Use the pen to write or draw in digital ink.

## Using the SMART Ink® dynamic (floating) toolbar



To learn more about SMART Ink and its toolbar, visit the [SMART Product Drivers and Ink support page](#). Here are a few quick links to get you started:

- [Turning SMART Ink on or off](#)
- [Opening the dynamic \(floating\) toolbar](#)
- [Closing \(hiding\) the toolbar](#)
- [Using presentation tools](#)

## Changing a pen's default color, thickness, and other properties

While you're viewing a connected computer's input, you can use the SMART Ink dynamic (floating) toolbar to change a pen's color, thickness, and other properties.

## Erasing digital ink

You can erase digital ink from the screen using your palm or fist.

### To erase digital ink

Move your fist or palm over the digital ink you want to erase.




## Adjusting the volume

Use the buttons on the front control panel or the remote control to increase, decrease, or mute the display's volume.

### To turn the volume up or down

Press the **Volume Up** button  or **Volume Down** button  on the front control panel or the remote control.


### To mute the volume

Press and hold the **Volume Down** button  on the convenience panel or the remote control.

## Freezing or hiding the screen


You can temporarily freeze or hide the screen contents using the display's freeze and screen shade features.

### Freezing the screen


You can temporarily freeze the screen by pressing the **Freeze** button  on the front control panel or remote control. This is particularly useful when you want to pause a video, an animation, or other moving images.

#### Notes

- Freezing the screen does not pause applications that are running on the connected computer. It simply freezes the image and mutes audio coming through the display.
- If you freeze the screen while viewing a connected computer's input and then disconnect the computer from the display, the computer's frozen input remains on the screen.

To unfreeze the screen, press the **Freeze** button  again.

### Showing and hiding the screen shade

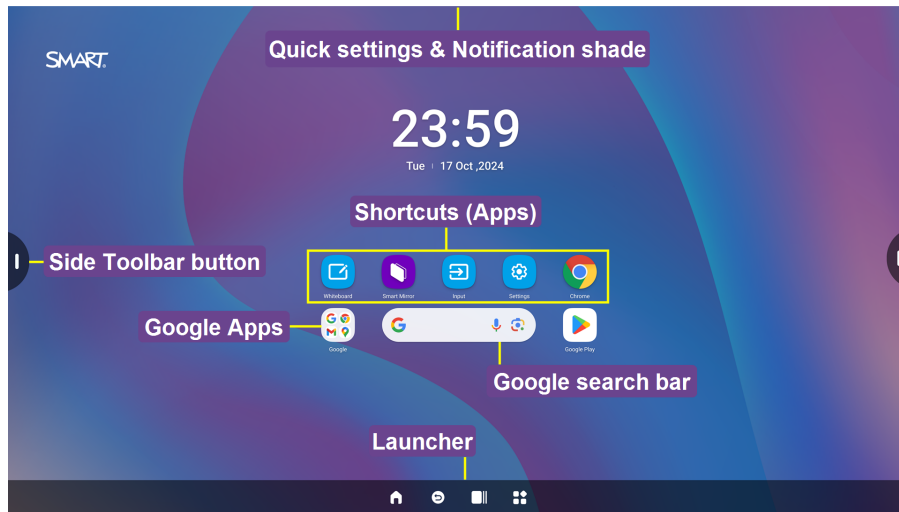
You can temporarily hide the contents of the screen behind a virtual screen shade by pressing the **Screen Shade** button  on the remote control.

To remove the screen shade and reveal the screen contents, press the **Screen Shade** button  again.

## Navigating the display's home screen

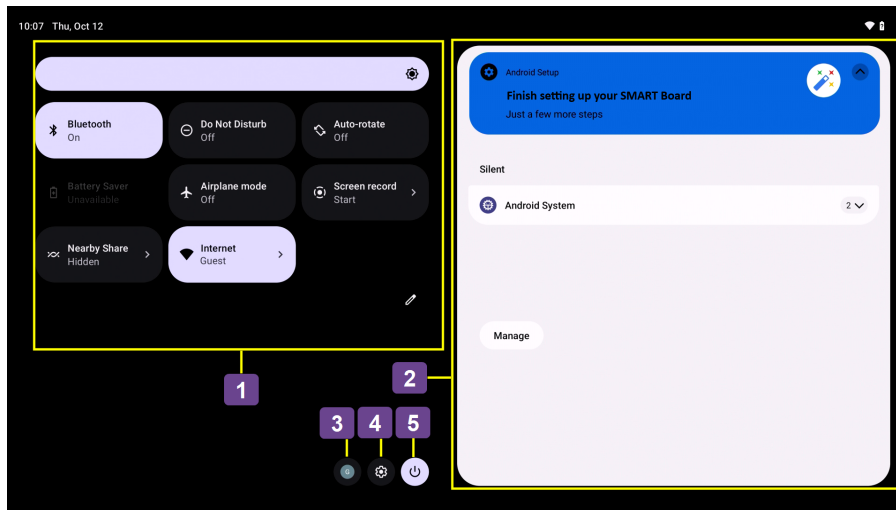
This image shows the Home screen and its features. Return to the Home screen anytime by tapping the Home button in the toolbar.

The display's Home screen features a number of on-screen menus and controls.





## Quick Settings and app notifications

Swipe down from the top of the screen to view the Quick Settings & Notification shade. From here you can view system notifications or access some quick functions.



No.	Description	Notes
1	Access settings you change often.	<ul style="list-style-type: none"> <li>• <b>Turning settings on or off</b></li> <li>• <b>Add, remove, or move a setting</b></li> </ul>

No.	Description	Notes
2	View notifications and messages from outside an app's interface to provide information about reminders, alerts, or other information about an app.	<ul style="list-style-type: none"> <li>• <b>Clear notifications</b></li> <li>• <b>Turn notifications on or off for an individual app</b></li> </ul>
3	Change a user or add a new user	<p>You can create multiple user profiles so you can share use of the display with other people. Each user profile has a personal space on the display for custom Home screens, accounts, apps, settings, and more.</p> <p>If you are already signed in to your user account, you can change your user settings.</p> <p><b>To select a user</b></p> <ol style="list-style-type: none"> <li>1. Tap .</li> <li>2. Select a user.</li> </ol> <p><b>To add additional users</b></p> <p><b>Tip</b></p> <p><b>If the options to enable another user don't appear, go to Settings &gt; System &gt; Multiple users and enable Allow multiple users.</b></p> <ol style="list-style-type: none"> <li>1. Tap .</li> <li>2. Tap <b>User settings</b>.</li> <li>3. Tap <b>Add user</b> or <b>Add guest</b>.</li> <li>4. Follow the on-screen instructions to create an additional user.</li> </ol> <p><b>Tip</b></p> <p><b>Users can configure their own lock screen passwords for securing the display's screen.</b></p> <p>See &gt; <i>Using Screen Lock</i> on page 58</p>
4	Settings	Access the display's settings, where you can configure network and internet connections, installed apps (including notifications), sound and display settings, change the wallpaper, and more.
5	Power	Turn off or restart the display.

## Launcher

From the Launcher, you can return to the Home screen, return to a previous screen, access preview tiles of running apps, and access the All apps menu.



No.	Command	Function	Notes
1	Home	Open the Home screen.	N/A
2	Back	Return to the previous screen in the display's Android system.	N/A
3	Recents	Shows a preview tile of each running app.	See > <i>Find, open, and close apps</i> on page 26
4	All Apps	In the All Apps menu, you can access a suite of apps installed on the display (including the display's settings).	N/A

## Side Toolbar

From the side Toolbar, you can access a number of commonly used display controls, including the Inputs menu, and the Widgets menu featuring the display's widgets.

To open the side **Toolbar**, tap either of the side Toolbar menu buttons  on either side of the screen.

### Tip

Tap the screen if the side Toolbar buttons aren't displayed.




No.	Command	Description	Notes
1	Favorite widgets	If you have a widget that you use regularly, you can pin it to the Tool bar menu to make it easy to find from the Home screen.	See > <i>Favorite widget shortcuts</i> below
2	Widgets menu	In the Widgets menu, you can access the calculator, timer, stopwatch, and other widgets.	See > <i>Chapter 5 Using the display's widgets</i> on page 44
3	Clean Up	Starting Clean Up feature will log you out of all browser sessions, close applications, and clear app data for the next user..	N/A


### Favorite widget shortcuts

You can pin up to four of your favorite widgets to the side Toolbar to make them easier to find from the Home screen.

### To pin a widget to the side Toolbar

1. **Open the side Toolbar.**
2. Tap the **More** icon .  
The Widgets menu appears.
3. Tap **Edit** or tap and hold on any tool icon until the **+** and **–** symbols appear next to the widget icons.
4. Tap **+** or press and drag a widget to pin it to the side Toolbar menu.  
You can pin a maximum of four widgets to the side Toolbar menu.

### To remove a widget from the side Toolbar

1. **Open the side Toolbar.**
2. Tap the **More** icon .  
The Tools menu appears.
3. Tap **Edit** or press and hold any widget icon until the **+** and **–** symbols appear next to the widget icons.
4. Tap **–** or drag a tool back to the Widgets menu.  
You can also tap **Reset** to display the default list of widgets in the Toolbar.

## Personalize

You can change the Home screen's background to personalize the display. You can also add widgets for installed apps to the Home screen and access Home screen settings.

### To change the Home screen's background

1. From the Home screen, press and hold anywhere on the background.  
The Home screen customization options appear.
2. Tap **Wallpaper & style**.
3. Select a new wallpaper. You can also enable *Dark theme* and *Themed icons*.

**To add widgets to the Home screen**

1. From the Home screen, press and hold on the screen.
2. Tap **Widgets**.  
A list of apps appears, such as Calendar, Chrome™, Clock, and more.
3. Browse the apps (scroll up or down) and tap a category to expand the list of widget options.
4. Press and hold a widget, and then drag the widget to a new position on the Home screen.

**Tip**

To remove a widget from the Home screen, press and hold the widget, and then drag it to the *Remove* area of the screen.

**To access the Home screen settings**

1. From the Home screen, press and hold on the screen.
2. Tap **Home settings**.
3. Select a Home screen setting to configure.

## Shortcuts (apps)

See > *Downloading and managing apps* below

## Google apps and shortcuts

See > *Downloading and managing apps* below

## Google search



The display includes a Google Chrome web browser you can use as you would on your computer or mobile device. Refer to the Help in the browser.

# Downloading and managing apps


## Sign in to your Google account

To download apps from the Google Play™ Store, you'll need to sign in to your Google account. If you don't have a Google account, create one following the [instructions provided by Google](#).

### To sign in to your Google account

- Open the display's settings by tapping the Settings icon  on the Home screen. You can also press the **Settings** button  on the remote control.

#### Tip

If the Settings icon doesn't appear on the Home screen, tap the **All Apps** icon  in the Launcher menu at the bottom of the screen and look for the Setting app.

- Tap **Google** > **Sign in** and enter your account credentials

#### Tip

After signing into your Google account, use the screen lock feature to secure the display's screen and protect your data and personal information.

See > *Using Screen Lock* on page 58

## Download apps

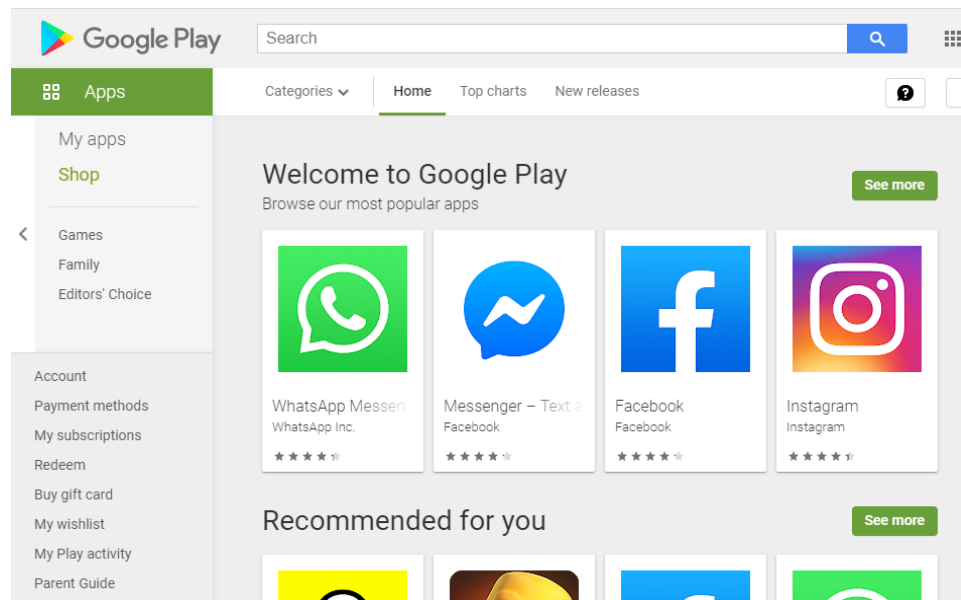
Go to the Google Play store to download commonly used apps. Begin by tapping the Google Play store icon on the desktop (enter your Google account credentials if prompted):



If the Google Play store icon doesn't appear on the desktop, tap the Google apps folder and browse to the Google Play store icon.



In the Google Play Store, you can search for, download, and install the apps you want.



After apps are downloaded and installed, they appear in All apps.

See > *Launcher* on page 21


If you don't see an app, swipe up or down to view more apps.

## Find, open, and close apps


You'll find some apps on the display's Home screen. All the apps installed on the display appear in All apps.

See > *Launcher* on page 21

### To find and open apps

1. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view tiles of the apps currently running on the display.
2. Tap the app you want to open.

### To switch between recently used apps

1. Tap the **Recents**  icon in the Launcher menu at the bottom of the screen to view tiles of the apps currently running on the display.


See > *Launcher* on page 21

2. Tap a tile to open the selected item, or tap **Back**  in the Toolbar menu to return to the current screen.


**Tip**

Swipe left or right to view all running apps.

**To close an app**

1. Tap the **Recents**  icon in the Launcher menu at the bottom of the screen to view tiles of the apps currently running on the display.
2. Swipe side to side to find the apps you want to close.
3. Press and hold an app, then swipe up to close it.

**To close all open apps**

1. Tap the **Recents**  icon in the Launcher menu at the bottom of the screen to view tiles of the apps currently running on the display.
2. Swipe right until you see the start of the list, then tap **Clear all**.

## Managing apps

Access installed apps to configure their options, view the app's information, view in split screen mode, and more. You can also use the Google Play Store to download and install new apps on the display.


**To configure app settings**

You can administer how apps are used on the display, including assigning default apps, disabling apps, and setting limits on app usage.

Go to **Display setting > Apps**.

**To use split screen**

Use split screen to compare, contrast, and analyze. You can use split screen to simultaneously view open apps, such as Whiteboard, Chrome, and more.

1. Open the first app you want to include in the split screen view.
2. Tap the **Recents**  icon in the Launcher menu at the bottom of the screen to view tiles of the apps currently running on the display.
3. Tap **Split**.

4. Tap the second window you want to view.
5. Drag the divider left or right to adjust the size of each view.
6. To close split screen, drag the divider all the way to left or right side of the screen.

### **To download new apps**

See > [Download apps](#)

### **To use SMART Remote Management to deploy third-party apps (admins only)**

See > [Installing apps](#)

#### **Note**

You must have an active SMART Remote Management license.

## Adding shortcuts

You can quickly get to your favorite apps, files, web pages, and more by adding shortcuts to the Home screen.


### Adding shortcuts to the Home screen

You can add Home screen shortcuts to your favorite apps, frequently used files, web pages, and more to make them easier to find.

#### **Tip**

To move a shortcut on the Home screen, press and hold the shortcut, then drag it to a new location.

### **To add an application shortcut**


1. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view tiles of the apps installed on the display.

See > *Launcher* on page 21

The All Apps menu appears.

2. Press and drag an app to add it as a shortcut to the Home screen.

### To add a file shortcut

1. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view tiles of the apps installed on the display.
2. Search for and open File Manager.
3. Tap a file to select it, and then tap **Shortcut**.  
A dialog prompts for confirmation to add the shortcut to the Home screen.
4. Tap **Add to home screen**.

The file shortcut is added to the Home screen.

## Managing shortcuts

You can move or delete the shortcuts you've added to the Home screen.

### To move a shortcut on the Home screen

Press and hold a shortcut, and then drag the shortcut to a new position on the Home screen.

### To delete a shortcut

Press and hold a shortcut, and then drag the shortcut to the *Remove* area of the screen.

The shortcut is removed from the Home screen.

## Chapter 3 Using the display's apps

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This chapter introduces the apps on SMART Board GX (V4) Plus series interactive displays.

### Using Whiteboard



You can view and erase notes, open a saved note, and save your notes to the display, a USB drive, or cloud account. You can also email a copy of your notes.

#### Tip












To access the Launcher while in using the Whiteboard, swipe up from the bottom of the screen.








### Whiteboard tools and controls

The Whiteboard app has a number of tools and controls for accessing and managing whiteboard sessions.

**Tip**


Swipe up from the bottom of the screen to access the launcher when viewing a whiteboard file.







Tool	Icon	Description
<b>Menu tools</b>		
<b>Tap the Menu icon  in the lower left corner to open the menu of tools for saving and sharing.</b>		
New		Start a new whiteboard.
Open		Open a whiteboard saved on the display, from a USB drive, or a cloud account.
Open in list		View tiles of whiteboard files saved in File manager.
Save		Save a new whiteboard file to the display, to a USB drive, or a cloud account. Saves all pages into one whiteboard file in .enb format. Saving the current whiteboard file will replace previously saved versions.
Save As		Rename the current whiteboard and save it without overwriting a previously saved version.
Import		Import a file from a USB drive or a cloud drive- onto the whiteboard page. Supported file formats include .img, .pdf, .svg, and .iwb, and more.
Export		Export all the whiteboard pages into sequentially-numbered .png files or as a single .pdf file. Supported file formats are .img, .pdf, .svg, and .iwb.
Theme		Add templates, grids, preset lines, or a background image to the whiteboard, or change the background's color.
Share		Choose an option for sharing a whiteboard file with other user's devices (including using Quick share).
Settings		Access options for configuring the eraser mode, enabling multi-finger writing, enabling the display brightness to adjust automatically when writing, and customizing which tools appear in the toolbar.
<b>Other controls</b>		

Tool	Icon	Description
Menu		Access a menu of tools for saving and sharing.
Exit		Exits the Whiteboard app.
QR code		Share the whiteboard using a QR code. <b>Note</b> The shared whiteboard image doesn't update to reflect changes made after it was shared.
<b>Navigation tools</b>		
Add a page		Add a new page to the current whiteboard.
Previous		Return to the previous page.
Next		Advance to the next page.
Page number		Shows the current page number and enables you to go to a specific page or delete pages. Tap the box to expand and see all pages in the file.


## Writing and erasing notes

The Whiteboard has several tools for drawing and erasing.

Tool	Icon	Description
Select		Select objects and manipulate them by moving, rotating, resizing, copying, or deleting them. Options are also available for adding color to an object, converting objects to text, changing an object's orientation, arranging the order of objects, copying or deleting an object, and more.

Tool	Icon	Description
Pen		<p>Change ink color and choose from a variety of pen styles. Tap the Pen tool to select it, then tap again to change its color. You can use a pen or finger to write or draw on the whiteboard.</p> <p><b>Note</b></p> <p>Dual-pen writing is supported when multi-finger writing is enabled in settings (see <i>Settings</i> on page 31), allowing users to write with different colors or pen styles at the same time in partition mode.</p>
Eraser		<p>Use the Eraser tool to erase digital ink and objects on a whiteboard. You can use a pen or finger to erase ink. Tap on the Eraser to select it, then tap again to show the slider. Drag the slider to change the eraser size. From the Menu, tap <b>Settings</b> to change the eraser mode.</p>
Clean all		<p>Delete all the current whiteboard page's contents with one touch. Tap <b>Clean All</b> only when you are sure you want to clear the board: you won't be prompted to confirm this selection before the board is cleared. This feature also clears any objects you've added.</p>
Undo		Reverse the effect of the last action.
Redo		Reinstate the last action reversed with the Undo command.
More		Add tools to a whiteboard including different rulers, two- and three-dimensional geometric shapes you can fill and change color, tables you can draw within and change cell sizes, mind maps, and more.

### Starting a new whiteboard

On the display's Home screen, tap the **Whiteboard** icon .

OR



Tap the **New** icon  in an open whiteboard.

A new whiteboard appears.

### Changing the background

You can change the whiteboard's background. If a whiteboard has multiple pages, each page can have a different background. When you export or share the whiteboard, the background you've selected also appears.

**To change the whiteboard's background**

1. Tap the **Menu** icon .
2. Tap the **Theme** icon .
3. Tap **Template** and select a background from the templates provided.

OR

Tap **Background** and change the whiteboard's background color, or upload an image to the background.

The background appears.

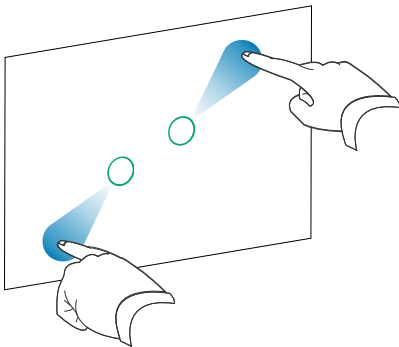
**Notes**

- The whiteboard will save the image background for later use. Delete unused images by tapping the Trash icon in the corner of the image.
- When adding a new page, the background theme of the current page applies to the new page.

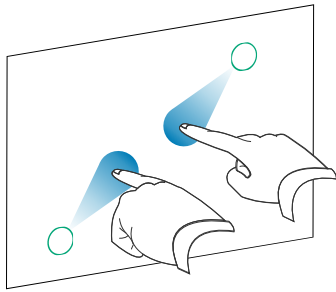
**Navigating in the whiteboard**

Tap the **Select** tool icon .

Use two fingers to pinch to zoom in.






Use two fingers to pinch to zoom out.



## Opening an existing whiteboard

You can easily continue from where you left off in a saved whiteboard.

1. Tap the **Whiteboard** icon .
2. Tap the **Menu** icon .
3. Tap the **Open** icon .

The *Storage* dialog appears.

4. Browse to and tap the whiteboard you want to open.


You can open a file from the display, a USB drive, or a cloud account.

5. Tap **OK**.

## Saving a whiteboard

You can save a whiteboard.

### To save a new whiteboard

1. Tap the **Save** icon .
- The *Storage* dialog appears.
2. Browse to where you want to save the new file.

#### Notes

- You can save a file to the display, a USB drive, or to a cloud account.
- The Whiteboard pages are saved as an .enb file. To convert the file into a different format, tap **Export**.

3. Type a name for the file in the File name box.

4. Tap **OK**.

**To save an existing whiteboard**

Tap the **Save** icon .

**To save an existing whiteboard with a new name or location**

1. Tap the **Save As** icon .



The *Storage* dialog appears.

2. Browse to where you want to save the new file.
3. Type a name for the file in the **File name** box.
4. Tap **OK**.

**Importing or exporting a whiteboard**

You can import or export a whiteboard.



**To import a whiteboard**

1. Tap the **Menu** icon .
2. Tap the **Import** icon .
3. Select the file type you want to import (supported formats include img, .pdf, .svg, and .iwb).
4. Browse to and select the file.
5. Tap **OK**.

**Note**

The imported file is added to the existing whiteboard file as an image.

**To export a whiteboard**

1. Tap the **Menu** icon .
2. Tap the **Export** icon .
3. Select the file type for the export (supported formats include .img, .pdf, .svg, and .iwb).
4. Browse to where you want to save the file.

**Note**

You can rename a file by tapping the name and using the on-screen keyboard.

5. Tap **OK**.

## Sharing a whiteboard

If your mobile device has a QR code scanner, it can open an image of the whiteboard in a web browser.

### Note

The shared whiteboard image doesn't update to reflect changes made after it was shared.

### To share a whiteboard note

1. Tap the **Menu** icon .
2. Tap the **QR code** icon .
3. Scan the QR code with your mobile device.



You're prompted to open the whiteboard image in your device's browser.

When the image appears, you can save the image to your mobile device or share the image with others.

## Changing whiteboard settings

In whiteboard settings, you can change the eraser mode, enable multi-finger writing or automatic brightness, customize the toolbar, and more.

### To change a whiteboard setting

1. Tap the **Menu** icon .
2. Tap the **Settings** icon  and browse to the setting you want to change.


## Using File manager




Use the File manager to access files saved on the display, on USB drives, or a cloud account. Sign into the cloud account and grant permissions before using File manager to access that account.

You can also open saved whiteboard and image files in the File manager.

## Opening File manager

1. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view all apps installed on the display.

See > *Launcher* on page 21

2. Search for and tap the **File manager** icon .

File manager opens.

## Viewing files

### To view a whiteboard file saved from the Whiteboard app

1. In File manager, browse to the folder that contains the saved whiteboard file and double-tap it.

#### Note

The default folder location for saving Whiteboard files in File Manager is *Whiteboard*.

See > *Using Whiteboard* on page 30

2. Double-tap the Whiteboard file (.enb) to open it.

### To view a picture, play an audio file, or watch a video

1. **In File manager, browse to and double-tap the file.**

#### Tip


Common storage locations for picture and video files are the DCIM, Pictures, Video Presenter, Movies, and Palette folders.

2. The file opens in the appropriate application.

#### Tip

Swipe the screen left or right to see view all the images in that folder.

### To stop viewing the file

On the Launcher menu at the bottom of the screen, tap the **Home** icon .

See > *Launcher* on page 21



## Moving or copying files

### Using a USB drive

#### To move or copy a file from a USB drive to the display

1. Connect a USB drive to the display on the front connector panel.



2. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view all apps installed on the display.
3. Search for and tap the **File manager** icon .
 

File manager opens.
4. Tap the name of the connected USB Drive.
5. Browse to the files you want to move or copy.
6. Tap a file to select it.

OR

Tap **Select** to select multiple files. A check box appears next to the selected files.

7. Tap **Cut** or **Copy** in the bottom menu.

#### Note

**Cut** will remove the file from the USB drive, whereas **Copy** will leave the file on the USB drive.


8. Tap **Storage**.
9. Browse to the folder you want to move the file to.
10. Double-tap the folder to open it.
11. Tap **Paste**.
 


The file is copied or moved to the display.

#### To move or copy a file from the display to a USB drive

1. Connect a USB drive to the display on the front connector panel.



2. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view all apps installed on the display.

3. Search for and tap the **File manager** icon .

File manager opens.

4. Tap **Storage**.
5. Browse to the files you want to move or copy.
6. Tap the file to select it.

OR

Tap **Select** to select multiple files. A check box appears next to the selected files.

7. Tap **Cut** or **Copy** in the bottom menu.

#### Note

**Cut** will remove the file from the display, whereas **Copy** will leave the file on the display.



8. Tap the name of the connected USB Drive.
9. Browse to the folder you want to move or copy the file to.
10. Double-tap the folder to open it.
11. Tap **Paste**.

The file is copied or moved to the USB drive.

### Using a Google Drive or OneDrive account

The following procedures will require you to sign in to your Google Drive or OneDrive account (if you haven't already done so).

### To move or copy a file from a cloud drive to the display

1. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view all apps installed on the display.
2. Search for and tap the **File manager** icon .

File manager opens.

3. Tap **Cloud Drive**.
4. You can select to save from a Google Drive or OneDrive account.
5. Browse to the files you want to move or copy.
6. Tap the file to select it.

OR

Tap **Select** to select multiple files. A check box appears next to the selected files.

7. Tap **Cut** or **Copy** in the bottom menu.



**Note**

**Cut** will remove the file from the Cloud drive, whereas **Copy** will leave the file on the Cloud drive.

8. Tap **Storage**.
9. Browse to the folder you want to move the file to.
10. Double-tap the folder to open it.
11. Tap **Paste**.

The file is copied or moved to the display.

### To move or copy a file from the display to a cloud drive

1. Tap the **All Apps** icon  in the Launcher menu at the bottom of the screen to view all apps installed on the display.
2. Search for and tap the **File manager** icon .
 

File manager opens.
3. Tap **Storage**.
4. Browse to the files you want to move or copy.
5. Tap the file to select it.

OR

Tap **Select** to select multiple files. A check box appears next to the selected files.

6. Tap **Cut** or **Copy** in the bottom menu.

**Note**

**Cut** will remove the file from the display, whereas **Copy** will leave the file on the display.

7. Tap **Cloud Drive**.
8. You can select to save to a Google Drive or OneDrive account.
9. Browse to the folder you want to move the file to.
10. Double-tap the folder to open it.
11. Tap **Paste**.

The file is copied or moved to the Cloud drive.

## Using Browser



The display includes the Google Chrome web browser that you can use as you would on your computer or mobile device. Refer to the Help in the browser.

### Tip

Click the + icon in the top-right corner to open a new web browser tab.



## Using Lumio

The Lumio app allows teachers to open, present, and work with their Lumio files directly from the display. It offers the same experience as the browser version, making it easy to start teaching with materials they've already prepared.

See > [Lumio](#)

## Chapter 4 **Using SMART Mirror**


The Support section of the SMART website includes information about using SMART Mirror the screen sharing app available on SMART Board GX (V4) Plus series displays.

See > [Using SMART Mirror](#)

## Chapter 5 Using the display's widgets

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This chapter introduces the widgets on the SMART Board GX (V4) Plus series interactive displays.

To open the Widgets menu, open the side **Toolbar** and tap the **More** icon .

See > *Side Toolbar* on page 21

You can also pin the widgets you use regularly to the side Toolbar.






See > *Favorite widget shortcuts* on page 22

### Note

Widgets always appear on top of other open windows, programs, and connected devices.

The Widgets menu features the following tools and controls:



Icon	Widgets	Function	For more information
	Settings	Access to display's settings.	See the <i>SMART Board GX (V4) Plus series interactive displays installation and maintenance guide</i> ( <a href="https://docs.smarttech.com/kb/172035">docs.smarttech.com/kb/172035</a> ).
	Input	Select an input and adjust brightness and volume. You can also access advanced options for configuring input settings.	See the <i>SMART Board GX (V4) Plus series interactive displays installation and maintenance guide</i> ( <a href="https://docs.smarttech.com/kb/172035">docs.smarttech.com/kb/172035</a> ).
	Overlay	Write on an overlay on top of any app, video, website, document, or image, including input from a connected computer. Saving to cloud storage is also supported.	See > <i>Using the Overlay tool</i> on the next page
	Timer	Start a countdown timer.	See > <i>Using the Timer tool</i> on page 47
	Stopwatch	Start a stopwatch that counts up from zero for measuring elapsed time.	See > <i>Using Stopwatch</i> on page 50
	Spotlight	Use the Spotlight widget during a presentation to draw attention to an area of a screen.	See > <i>Using the Spotlight widget</i> on page 52
	Record	Use the Record widget to record your actions on the display.	See > <i>Using the Record widget</i> on page 53
	Freeze	Freeze and zoom the current image on the screen.	See > <i>Using the Freeze widget</i> on page 54
	PIP	Use the picture-in-picture (PIP) widget to show a different input in a smaller floating window while using other apps on the display.	See > <i>Using the PIP tool</i> on page 56
	Lock Screen	Lock the screen.	See > <i>Using Screen Lock</i> on page 58

Icon	Widgets	Function	For more information
	Calculator	Open an on-screen calculator.	See > <i>Using the Calculator</i> on page 58
	Screen Capture	Capture screen captures of anything on the screen, including content from apps, websites, and videos. Select Freedom, Full, and window mode. You can add captured screens to a whiteboard and edit them.	See > <i>Using the Screen Capture widget</i> on page 59
	Display center	Configure how the display's screen will display when you connect to an external display.	See > <i>Using the Display center widget</i> on page 60
	OPS	Switch to viewing the input from a SMART appliance installed in the display's OPS slot.	See > <i>To view input from an OPS appliance</i> on page 61
	AirClass	The AirClass widget enables participants to respond to classroom quizzes and challenges by submitting responses using their mobile devices.	See > <i>Using the AirClass widget</i> on page 62

## Using the Overlay tool

Use the Overlay widget to write or draw over the currently displayed screen contents. After you finish, you can save the overlay to the Files library.

### To write or draw on an overlay

1. Tap the **Overlay** icon .
2. Use the display's pens or your finger to write or draw in digital ink.
3. If you want to keep the overlay, tap the **Save** icon  to save the image file to the display in .png format.

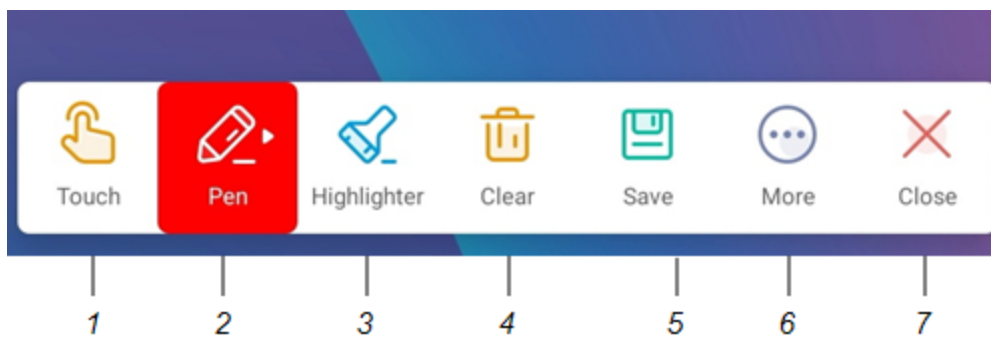
This will also save a copy of the .png file locally.

- When you're done, tap the **Close** icon  to exit the overlay.

### To erase ink on an overlay

Erase ink by moving your fist or palm over the digital ink.

## Overlay tools and controls



No.	Tools and controls
1	Select tool. When the Select tool is active, your touch passes through the overlay and interacts with the screen contents behind it.
2	Pen tool. When the Pen tool is active, your touch draws digital ink on the overlay. Options are available for pen size and color.
3	Highlighter tool. When the Highlighter tool is active, your touch draws transparent digital ink on the overlay. Options are available for pen size and color.
4	Erase all digital ink on the overlay.
5	Save the current overlay.
6	Open File manager, insert an image, and access cloud storage.
7	Remove the overlay and close the Overlay widget.

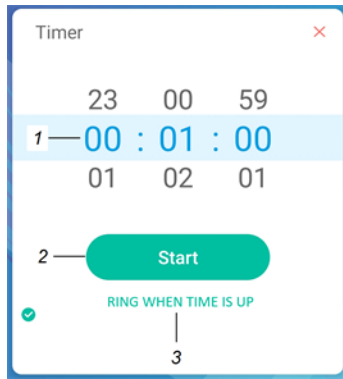
## Using the Timer tool

Use the Timer widget to display a countdown timer on the screen.

**To use the Timer tool**

1. Tap the **Timer** icon .

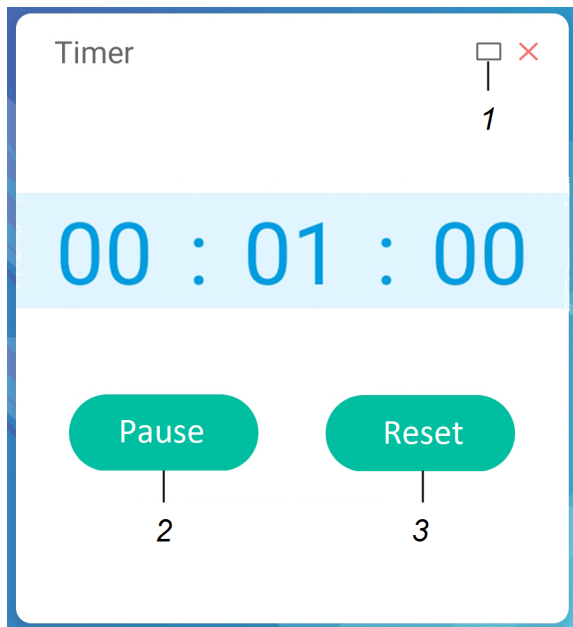
The Timer widget opens:



No.	Control
1	Timer display (left to right): hours, minutes, seconds. Slide your finger up or down on the numbers to customize the countdown timer.
2	Start the countdown timer.
3	(Optional) enable the <b>RING WHEN TIME IS UP</b> option to add an audible ring tone that sounds when the timer ends.

2. Tap **Start** to start the countdown timer.

This image and table describe the options available after the timer has started:



No.	Control
1	Make the countdown timer full screen. Tap again to return to normal size. Tap the screen anywhere other than the timer to make the timer a moveable floating window and move it around.
2	Pause the countdown timer.
3	Reset the countdown timer.

#### To close the Timer tool

Tap the **Close** icon **X**.

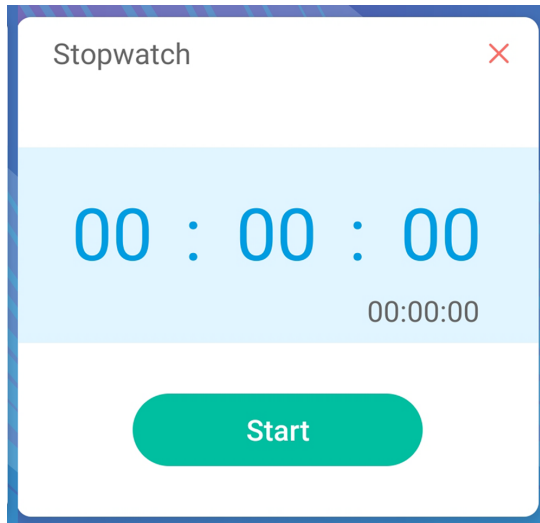
## Using Stopwatch

Use the Stopwatch widget to count up from zero and measure elapsed time.

### To use the Stopwatch tool

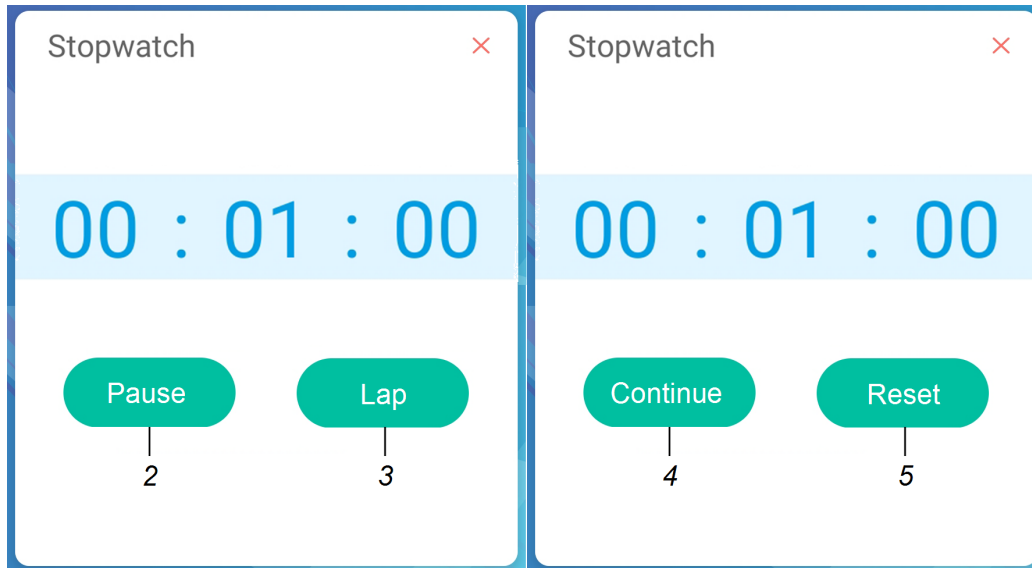
1. Tap the **Stopwatch** icon .

The Stopwatch widget opens:



2. Tap **Start** to start the stopwatch.

This image and table describe the options available after the stopwatch has started:



No.	Control
1	Pause the stopwatch.
2	Record the current time and display it in a list of other times you've recorded.
3	Resume the stopwatch after pausing.
4	Reset the stopwatch to zero.

### Tip

You can turn the Stopwatch widget into a moveable floating menu by tapping a different part of the screen.

### To close the Stopwatch widget

Tap the **Close** icon .

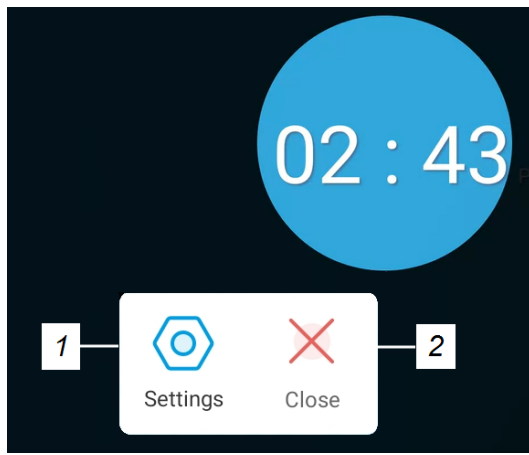
## Using the Spotlight widget

You can use the Spotlight widget during a presentation to draw attention to a particular screen area.

### To use the Spotlight widget

1. Tap the **Spotlight** icon .

The Spotlight widget is activated:



No.	Control
1	Open Settings for controls that change the spotlight's size and transparency. <b>Tip</b> You can also use finger gestures to change the size of the spotlight area.
2	Close the Spotlight widget.

2. Press and drag the Spotlight window to highlight an area of the screen.

### To close the Spotlight widget

Tap the **Close** icon .

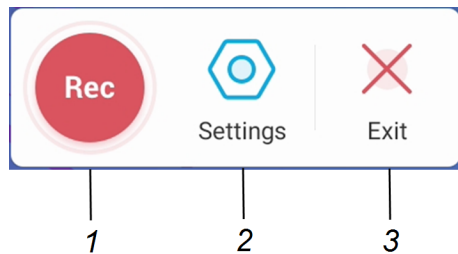
## Using the Record widget

You can use the Record widget to record a video of the on-screen activity.


### To use the Record widget

1. Tap the **Record** icon .

The Record widget opens:



No.	Control
1	Begin recording.
2	Open Settings for controls that change the video's resolution and to select a location for the saved recording.
3	Close the Record widget.

2. (Optional) Tap **Settings** and change the default resolution and the location of the saved recording.
3. Tap the **Rec** icon  to begin recording your actions on the display.



4. If you want to pause the recording, tap the **Pause** icon .



To resume recording, press the **Resume** icon .

5. To stop the recording, tap the **Stop** icon .

The recording is saved to the display.

**To close the Record widget**

Tap the **Exit** icon .

## Using the Freeze widget

You can use the Freeze widget to temporarily freeze the screen.

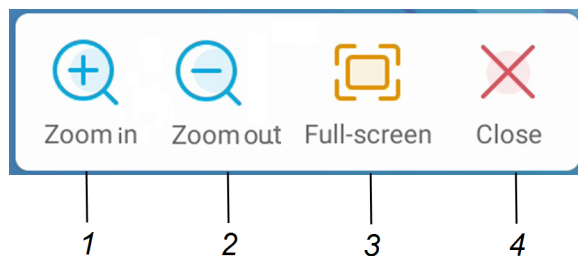
**Note**

Freezing the screen does not pause running applications on the connected computer. It simply freezes the display of those applications.

**To use the Freeze widget**

1. Tap the **Freeze** icon .

The Freeze widget appears and the screen is temporarily frozen:



No.	Control
1	Zoom into the current screen. <b>Tip</b> You can also use pinch-to-zoom finger gestures to zoom in or out.
2	Zoom out from the current screen.
3	Return to the default screen size.
4	Close the Freeze widget.

2. Press and drag the frozen image to move it on the screen, and use the zoom controls to focus on a specific detail.

### To close the Freeze widget

Tap the **Close** icon .

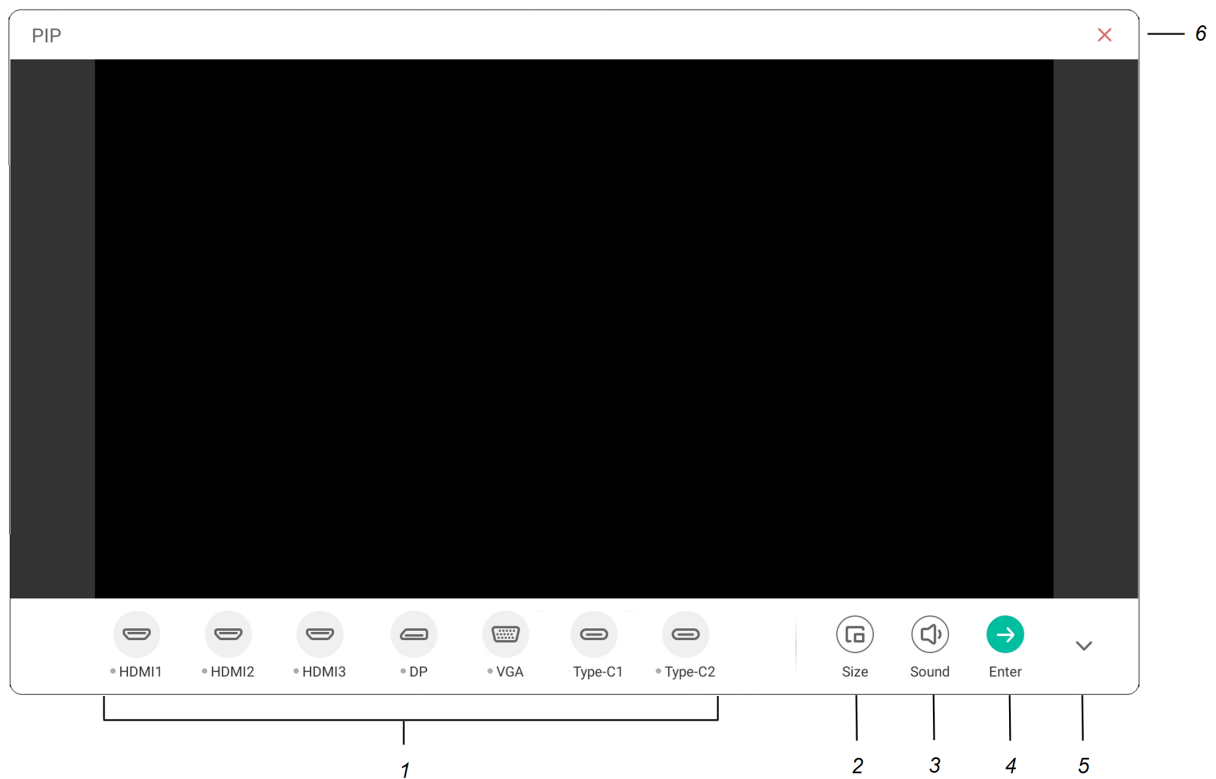
## Using the PIP tool

The picture-in-picture (PIP) widget enables you to show a different input in a smaller floating window you can position anywhere on the screen. The floating window appears on top of open apps, allowing you to continue viewing the second input while interacting with other apps or websites.


### To use the PIP widget

1. Tap the **PIP** icon .

The PIP widget opens:



No.	Control
1	Select an input.
2	Choose a size for the floating window (small, medium, or large).
3	Increase, decrease, or mute the input volume.
4	Display the input in full screen.
5	Hide the menu items.
6	Close the PIP widget.

2. Tap an input to appear in the second window.
3. Tap the **Enter** icon  to view the selected input in full screen.

### Note

If the selected input also has a USB cable connected for touch, you can control this input via touch, directly within the PIP window.

### To close the PIP widget

Tap the **Close** icon .

## Using Screen Lock

Use the Screen Lock feature to secure the display's screen. When the screen lock is enabled, a pattern, PIN, or password. must be entered to unlock the screen.

### Note

Creation of a screen lock is part of the display's initial set up. You can also configure the Screen Lock feature in display settings.

See the *SMART Board GX (V4) Plus series interactive displays installation and maintenance guide* ([docs.smarttech.com/kb/172035](https://docs.smarttech.com/kb/172035)).

### To lock the screen

Tap the **Screen Lock** icon .

A pattern, PIN, or password must now be entered to unlock the screen.

### Tip

If the screen lock isn't configured, a message appears confirming no password is set. Tap **Confirm** to access options for configuring the screen lock.

## Using the Calculator

Open an on-screen calculator that appears on top of applications running on the display.

### To use the Calculator

Tap the **Calculator** icon .

To close the Calculator widget, tap the **Close** icon .

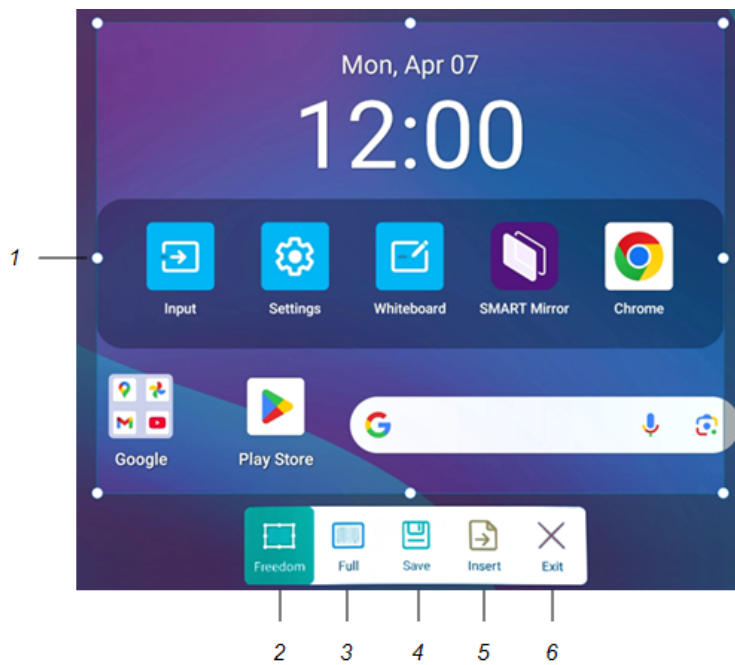
## Using the Screen Capture widget

The Screen Capture toolbar enables you to take a screen capture of a rectangular area or the entire screen.


### To use the Screen Capture widget

1. Tap the **Screen Capture** icon .

The Screen Capture widget opens:



No.	Control
1	Capture window resize handles.
2	Select a resizable rectangular window.
3	Select the entire screen.
4	Save the selected window or screen.
5	Insert the selected window or screen into a new whiteboard.
6	Close the Screen Capture widget.

2. Select the area or screen you want to capture.
3. Tap the **Save** icon  to save the selected window or screen.

The captured image is saved on the display to the default folder.

4. Tap **Finish** to continue working on the display, or **Open** to see the save image in the destination folder.
5. If you've opened the destination folder, you can move or copy the file to a USB drive or uploaded to your Google Drive or OneDrive account.

See > *Moving or copying files* on page 39

OR

Tap the **Insert** icon  to insert the selected window or screen into a new whiteboard.


### To close the Screen Capture widget

Tap the **Close** icon .

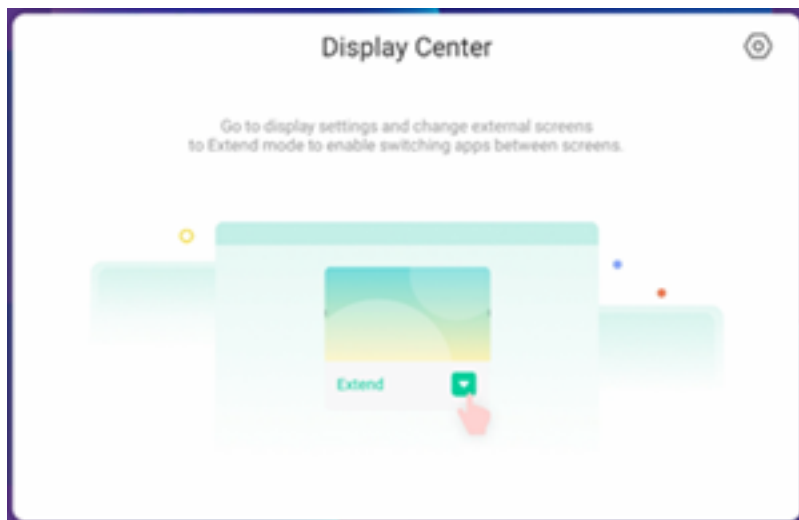
## Using the Display center widget

Use the Display center widget to configure how the display's screen will display when you connect to an external display. This is useful when you're using the display in an auditorium or other large space where it would be beneficial to have a second display.

### To use the Display center widget

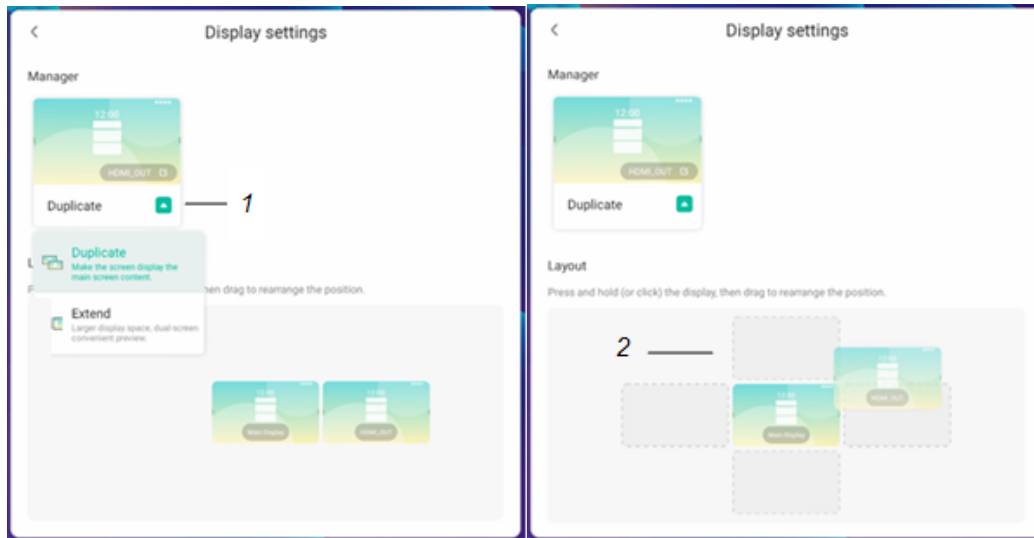
1. **Connect the display to a secondary display.**
2. Tap the **Display Center** icon .

The Display Center widget opens:



3. Tap the **Display settings** icon .

These images and table describe the options available in *Display settings*:



No.	Control
1	Open the drop-down menu and choose to duplicate or extend the appliance's desktop to the external display.
2	Press and hold the display image and then drag it to a new position.

## To view input from an OPS appliance

If a SMART OPS appliance is installed in the display's OPS slot, you can switch to its input and view and interact with it as well.

### To view input from an OPS appliance

1. **Install a SMART OPS appliance in the display's OPS accessory slot**
2. Tap the **OPS** icon .

The input from an installed OPS appliance appears on the display's screen.

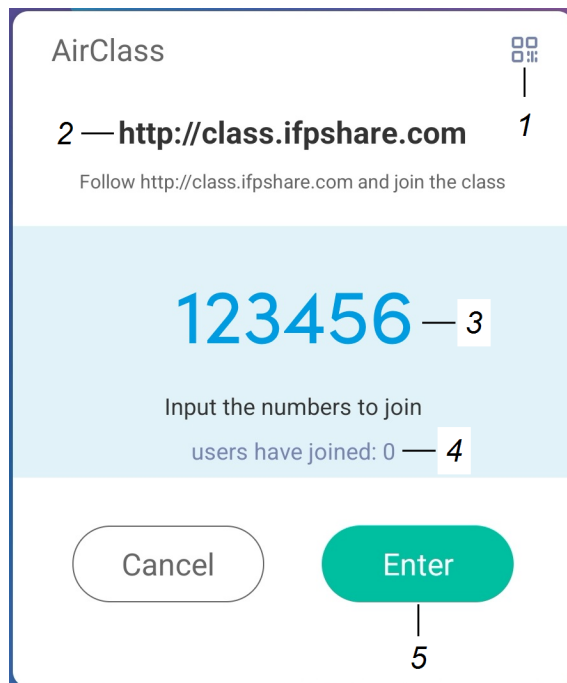
## Using the AirClass widget

Use the AirClass widget to enable audience participation in lessons or activities that feature interactivity such as quizzes. Share your lesson material on the display or ask questions, participants can then respond using their mobile devices. Participants can respond to single or multiple choice questions, and also provide "True" or "False" responses to questions. Once a quiz or challenge is complete, view statistics on the participants' answers. You can manage participant engagement in an activity by identifying the first respondent to a question. You can also select participants at random to answer a question or participate in an activity. Participants can also send messages that appear on the display's screen.

### To use the AirClass widget

1. Tap the **AirClass** icon .

A dialog box appears providing information on how participants can join an activity.



No.	Control
1	Open a QR code participants can scan to join an activity.
2	Participants can join an activity by going to <a href="http://class.ifpshare.com">http://class.ifpshare.com</a> in a browser on their device.
3	The code participants enter to join an activity.
4	Number of participants who've joined an activity.
5	Press <b>Enter</b> to start an activity.

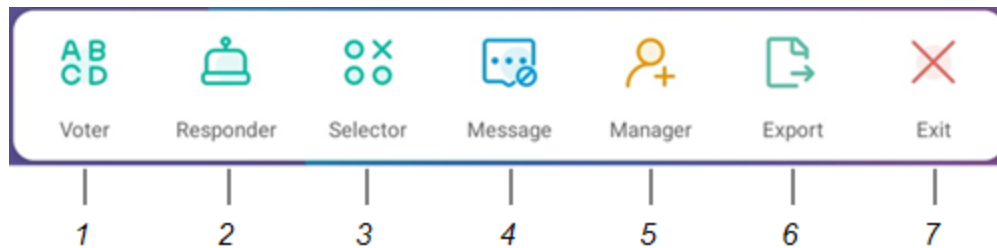
- Direct participants to <http://class.ifpshare.com> and have them enter the activity code number and their names to connect to an activity.

OR

Tap the QR code symbol in the upper right-corner of the dialog box and direct participants to use their mobile devices to scan the QR code that appears. Participants are directed to a website where they can enter their names and join an activity.

- Tap **Enter** to open the activity and view options for managing an activity.

The controls for managing an activity appear.



No.	Control
1	Share lesson material on the display such as a quiz. Choose whether participants can respond with single choice or multiple choice answers. View answer statics when voting is complete.
2	Start a drum role audio that plays until a participant confirms on their mobile device they'd like to answer a question.
3	Randomly select an individual (or individuals) from the list of participants to answer a question.
4	Enable participants to send text messages to the display that appear at the top of the display's screen.
5	Enable more participants to join an activity by opening a dialog box providing information on how to join an activity.
6	Save a record of an activity details to the display.
7	Exit the AirClass widget.

### To close the AirClass widget

Tap the **Exit** icon .

# Chapter 6 Connecting computers and other devices

Installing and using SMART software .....	64
Connecting room computers and guest laptops .....	65
Viewing a connected computer’s input .....	69
Setting a connected computer’s resolution and refresh rate .....	69
Connecting USB drives, peripherals, and other devices .....	70

 **Warning**

Ensure that any cables that cross the floor to the display are properly bundled and marked to avoid a trip hazard.

## Installing and using SMART software

The display comes with SMART software that you can install on connected room computers and guest laptops or access online. Other SMART software is optional.

**Included**



SMART Notebook



SMART Product Drivers and Ink

**Optional**



Lumio



SMART Meeting Pro



SMART Notebook Plus



SMART TeamWorks Room

**SMART  
Remote  
Management**

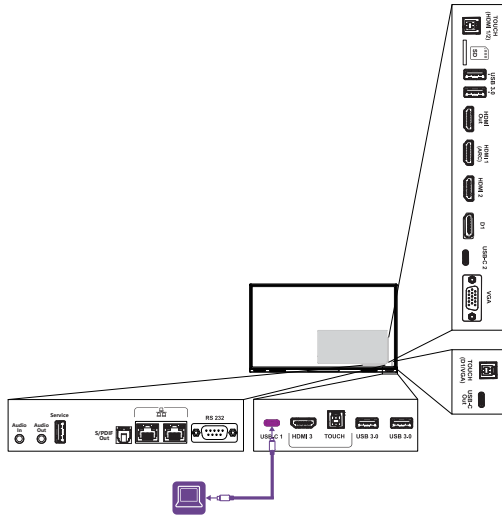
SMART Remote Management

See > [smarttech.com/downloads](http://smarttech.com/downloads)

# Connecting room computers and guest laptops

You can connect room computers and guest laptops to the display and view and interact with them.

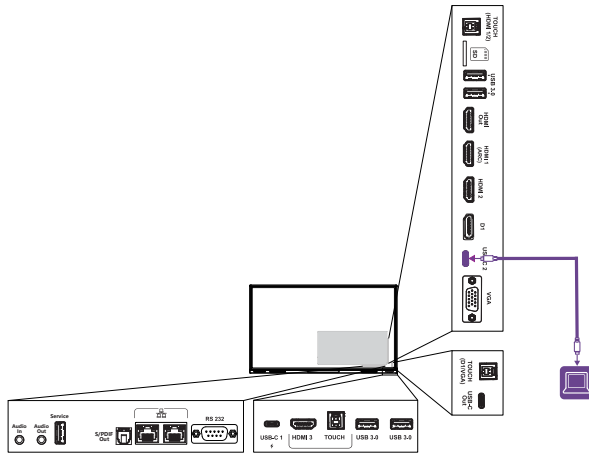
- **USB-C 1**



**Video/audio/touch/network**

<b>Connector</b>	USB-C 1
<b>Standard</b>	USB 3.2 Gen 1 Display Port alternate mode

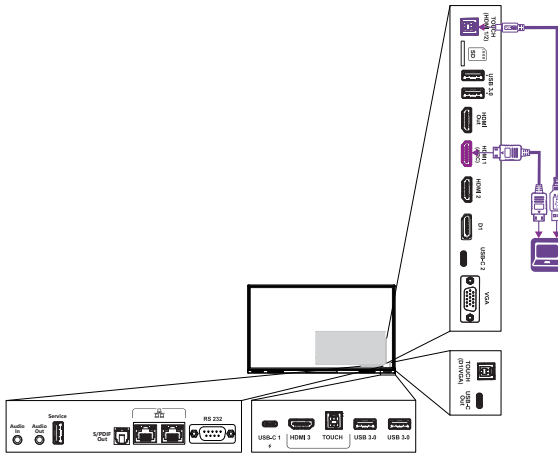
- **USB-C 2**



**Video/audio/touch/network**

<b>Connector</b>	USB-C 2
<b>Standard</b>	USB 2.0 Display Port alternate mode

• HDMI 1



**Video/audio**

**Connector** HDMI 1

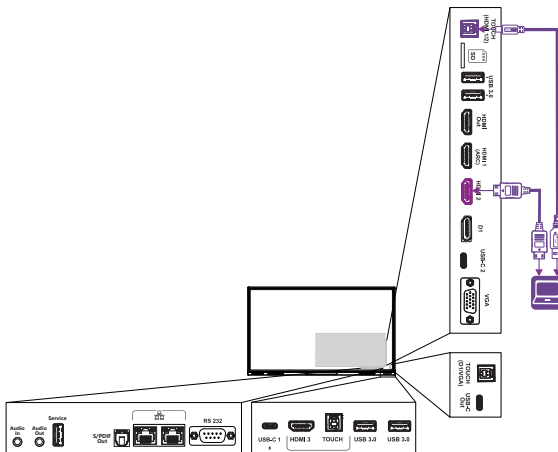
**Standard** HDMI 2.1

**Touch**

**Connector** Touch (USB Type-B)

**Standard** USB 2.0

• HDMI 2



**Video/audio**

**Connector** HDMI 2

**Standard** HDMI 2.1

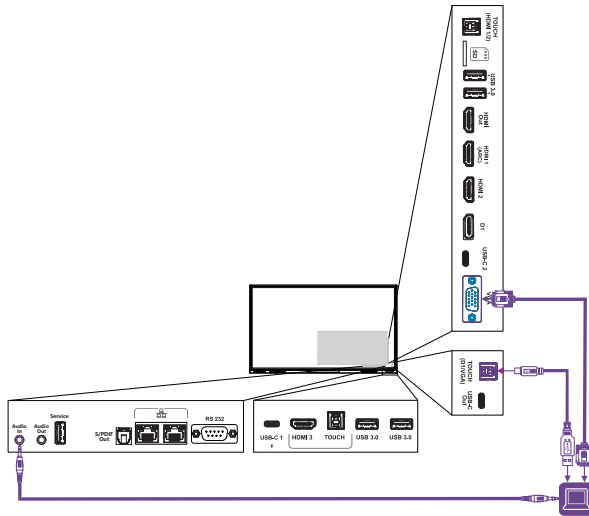
**Touch**

**Connector** Touch (USB Type-B)

**Standard** USB 2.0



- **VGA**

**Video****Connector** VGA**Standard** VGA**Audio****Connector** Audio In (Stereo 3.5 mm)**Standard** Stereo 3.5 mm**Touch****Connector** Touch (USB Type-B)<sup>1</sup>**Standard** USB 2.0

**⚠ Caution**

When connecting a USB cable to a computer, make sure the computer has a USB compliant interface and bears the USB logo. In addition, the USB source computer must be compliant with IEC 60950-1 and/or IEC 62368-1. The source computer must be CE marked and carry safety certification marks for Canada and USA. This is for operating safety and to avoid damage to the SMART product.

**Notes**

- A room computer or guest laptop connected to the display through a USB Type-C receptacle has access to any networks connected to the display by Ethernet while the computer is the currently selected input on the display.
- Install SMART software on any computers you connect to the display.  
See > *Installing and using SMART software* on page 64
- Your organization's installers might have connected cables to the display and run the cables behind a wall or under the floor to a desk or table where you can place your computer.
- If a connected computer reports "Too many USB hubs" or "cannot start (code 10)," see the knowledge base article, [SMART Board interactive displays and USB tier structure use](#).

## Viewing a connected computer's input

1. Connect a device to the display's HDMI 1, HDMI 2, HDMI 3, USB Type-C 1, USB Type-C 2, Display Port, or VGA connectors.

### Note

To enable touch control of the device, connect a USB cable to the associated USB connector. Devices connected to the USB Type-C connector don't require an additional USB connection to enable touch.

2. Select the source using one of the following methods:

#### Using the Input settings menu

Click the **Input** icon  on the Home screen.

#### Using the remote control

Press the **Input** button .

### Note

The currently selected input (PC, Android, HDMI1, HDMI2, HDMI3, DP, VGA, TYPEC1, or TYPEC2) is highlighted.

3. Tap the computer's input or use the navigation keys on the remote control to select the source and then press the **OK** button.

The device's output appears on the display's screen.

## Setting a connected computer's resolution and refresh rate

This table presents the recommended resolutions and refresh rates for the display's USB-C and HDMI inputs:

Resolution	Input aspect ratio	Mode	Refresh rate
3840 × 2160	16:9	UHD/2160p	59.94 Hz/60 Hz 50 Hz 29.97 Hz/30 Hz 25 Hz 23.98 Hz/24 Hz
1920 × 1080	16:9	FHD/1080p	59.94 Hz/60 Hz 50 Hz 29.97 Hz/30 Hz 25 Hz 23.98 Hz/24 Hz
1360 × 768	16:9	HD	60.015 Hz
1366 × 768	16:9	HD	60.015 Hz

Resolution	Input aspect ratio	Mode	Refresh rate
1280 × 720	16:9	HD/720p	59.94 Hz/60 Hz 50 Hz 29.97 Hz/30 Hz 25 Hz 23.98 Hz/24 Hz
720 × 480	16:9	480p (DVD Player)	60 Hz

This table presents the recommend resolutions and refresh rates for the display's VGA input:

Resolution	Input aspect ratio	Mode	Refresh rate
1920 × 1080	16:9	N/A	60.000 Hz
1600 × 1200	4:3	N/A	60.000 Hz
1360 × 768	16:9	N/A	60.015 Hz
1280 × 1024	5:4	SXGA 60	60.020 Hz
1024 × 768	4:3	XGA 60 XGA 70 XGA 75	60.004 Hz 70.069 Hz 75.029 Hz
800 × 600	4:3	SVGA 60 SVGA 72 SVGA 75	60.317 Hz 72.188 Hz 75.000 Hz
640 × 480	4:3	VGA 60	59.940 Hz

If possible, set connected computers to these resolutions and refresh rates. See the connected computers' operating system documentation for instructions.

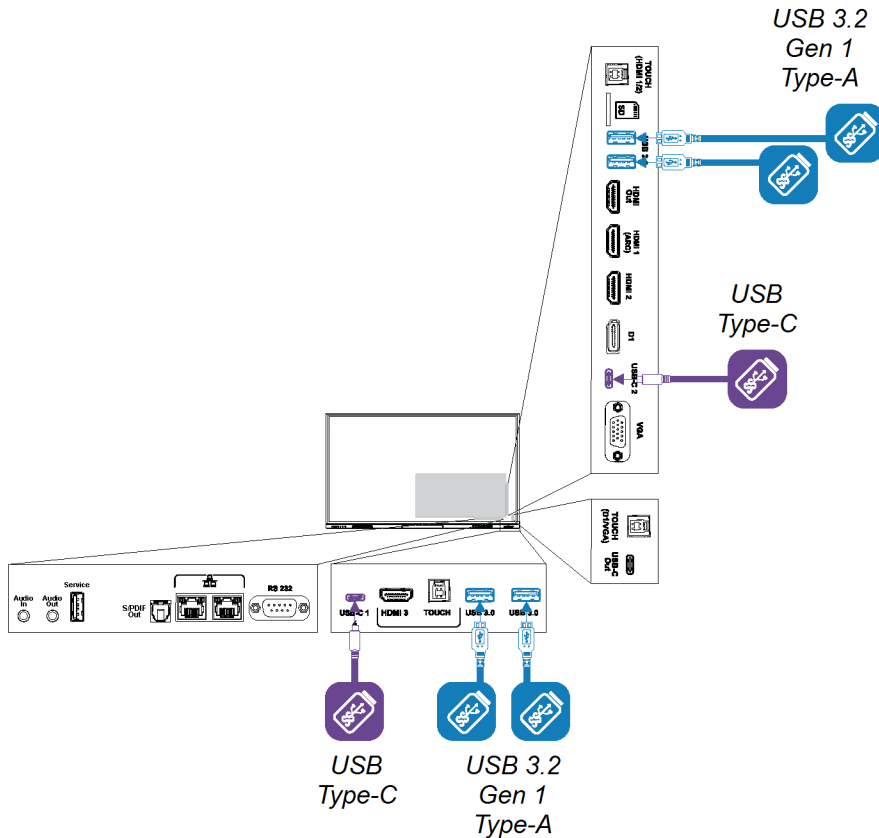
See also > [support.smarttech.com/docs/resandrefreshrates](https://support.smarttech.com/docs/resandrefreshrates)

## Connecting USB drives, peripherals, and other devices

The display includes two USB 3.2 Gen 1 Type-A receptacles on the front connector panel and two USB 3.2 Gen 1 Type-A receptacles on the side connector panel. You can connect USB drives, peripherals (such as keyboards), and other devices to the USB 3.2 Gen 1 Type-A receptacles and use these devices with the display's embedded OS or OPS slot computer. The display's USB 3.2 Gen 1 Type-A receptacles will switch to the active input.

**Note**

A USB device connected to one of the front USB 3.2 Gen 1 Type-A receptacles may stop working when multiple devices are connected to the display's other USB 3.2 Gen 1 Type-A receptacles. This issue can be resolved by removing and then reconnecting the USB device to the front connector panel.



Installing an OPS module in the display's accessory slot will limit the maximum power available from the display's USB Type-C receptacles. The power available from each USB Type-C receptacle will be dependent on the power requirement of an installed OPS module.

<b>OPS impact on USB power delivery</b>	<b>USB-C 1</b>	<b>USB-C 2</b>	<b>USB-C Out</b>
No OPS module installed	20 V/3.25 A (65 W) 15 V/3 A (45 W) 9 V/3 A (27 W) 5 V/3 A (15 W)	5 V/0.9 A (4.5 W)	5 V/0.1 A (0.5 W)
OPS module installed	5 V/0.9 A (4.5 W)	5 V/0.9 A (4.5 W)	5 V/0.1 A (0.5 W)

## Chapter 7 Troubleshooting

### Troubleshooting the display and related SMART products

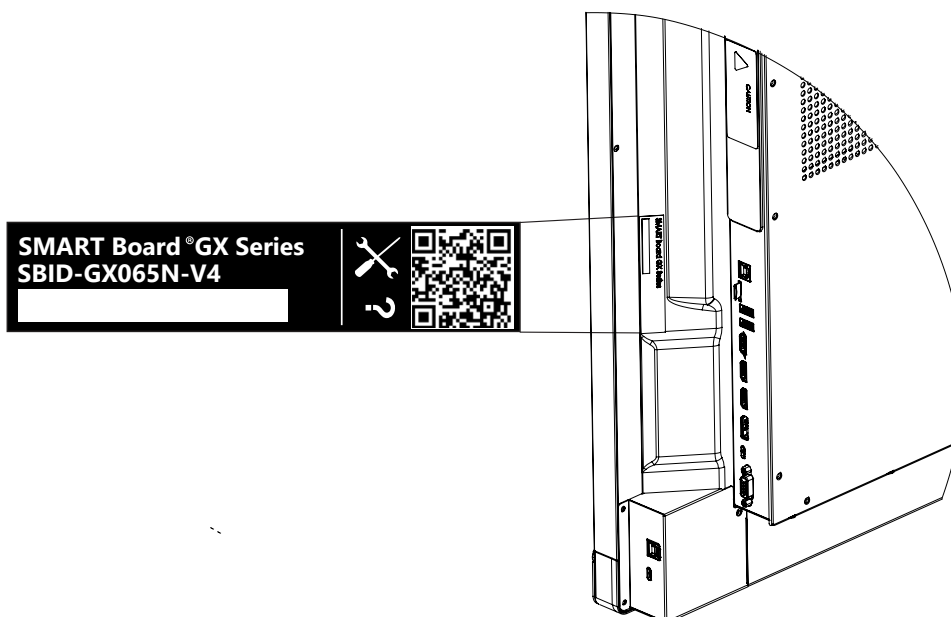
The Support section of the SMART website includes information about resolving a variety of common problems with the display and related SMART products.

### Contacting your reseller for additional support

If an issue you're experiencing with the display persists or isn't covered in the support section of the SMART website, contact your authorized SMART reseller ([smarttech.com/where](http://smarttech.com/where)) for support.

Your reseller might ask you for the display's serial number.

The serial number is on a label located on the right side of the display (pictured).



**Tip**

Scan the QR code on the label to view the SMART Board GX (V4) Plus series interactive display support pages on the SMART website.

# Certification and compliance

## Federal Communication Commission interference statement

### FCC

#### Suppliers Declaration of Conformity

#### 47 CFR § 2.1077 Compliance Information

#### Unique Identifier: IDGX65-D, IDGX75-D, IDGX86-D

#### Responsible Party – U.S. Contact Information

SMART Technologies Inc.

2401 4th Ave., 3rd Floor

Seattle, WA 98121

[compliance@smarttech.com](mailto:compliance@smarttech.com)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

### Note

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### ⚠ Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### Restriction

Operations in the 5.15-5.25 GHz band are restricted to indoor usage only.

IEEE 802.11b or 802.11g operation of this product in the USA is firmware limited to channels 1 through 11.

### ⚠ Caution

- i. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- ii. the maximum antenna gain permitted for devices in the bands 5250–5350 MHz and 5470–5725 MHz shall comply with the e.i.r.p. limit; and
- iii. the maximum antenna gain permitted for devices in the band 5725–5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.
- iv. Users should also be advised that high-power radars are allocated as primary users (i.e., priority users) of the bands 5250–5350 MHz and 5650–5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

### Radiation exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the antenna of this device and all nearby persons. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

## Innovation, Science and Economic Development Canada statement

This device complies with RSS-247 of the Innovation, Science and Economic Development Canada 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.

### Radiation exposure statement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the antenna of this device and all nearby persons. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

## Certification and compliance

### Innovation, Science et Développement économique Déclaration du Canada

Cet appareil est conforme à la norme ISED CNR-247 pour les appareils radio agréés. Son fonctionnement est soumis aux deux conditions suivantes:

1. le dispositif ne doit pas produire de brouillage préjudiciable, et
2. ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

#### **Advertissement**

- i. les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- ii. le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5 250-5 350 MHz et 5 470-5 725 MHz doit se conformer à la limite de p.i.r.e.;
- iii. le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5 725-5 825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
- iv. De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

#### **Déclaration d'exposition aux radiations**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps. Cet émetteur ne doit pas être co-implantés ou exploités conjointement avec une autre antenne ou émetteur.

### Hardware environmental compliance

SMART Technologies supports global efforts to ensure that electronic equipment is manufactured, sold, and disposed of in a safe and environmentally friendly manner.

### Waste Electrical and Electronic Equipment (WEEE Directive)

Electrical and electronic equipment and batteries contain substances that can be harmful to the environment and to human health. The crossed-out wheeled bin symbol indicates that products should be disposed of in the appropriate recycling stream and not as regular waste.



### Batteries (Battery Regulation)

#### **Caution**

There is a risk of fire or explosion if a battery is replaced by an incorrect type. Dispose of used batteries promptly. Follow handling instructions on coin cell packaging. Recycle or dispose of used batteries according to local guidelines.

The remote contains two AAA batteries. Recycle or dispose of batteries properly.



### REACH regulation

This product may contain substances that are candidate SVHCs under the EU REACH Regulation (EC) 1907/2006.

See > [echa.europa.eu/scip-database](https://echa.europa.eu/scip-database)

**SMART Technologies**

[smarttech.com/support](https://smarttech.com/support)

[smarttech.com/contactsupport](https://smarttech.com/contactsupport)