SMART Board®
QX Pro
series interactive displays

User guide

SBID-QX265-P | SBID-QX275-P | SBID-QX286-P
SBID-QX075-P | SBID-QX086-P | SBID-QX065-P
IDQX65-1 | IDQX75-1 | IDQX86-1

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SMART®

Learn more

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

ENERGY STAR® is the government-backed symbol for energy efficiency, providing simple, credible, and unbiased information that consumers and businesses rely on to make well-informed decisions. ENERGY STAR-certified products are the simple choice for energy efficiency, making it easy for consumers and businesses to make purchases that save them money and protect the environment. The U.S. EPA ensures that each product that earns the label is independently certified to deliver the quality, performance, and savings that users have come to expect.

As shipped, your display delivers ENERGY STAR performance and savings. However, changing some settings may increase energy consumption beyond the limits required for ENERGY STAR certification. For example, increased brightness and contrast will increase power consumption.

Please consider the environment when you choose non-ENERGY STAR settings.

Important information

Note

Refer to the *SMART Board QX Pro series interactive displays installation and maintenance guide* (smarttech.com/kb/171874) for important information about installing and maintaining the display.

Warning

- Do not open or disassemble the display. You risk electrical shock from the high voltage inside the casing. Opening the casing also voids the warranty.
- Do not stand (or allow children to stand) on a chair to touch the surface of the display.
- To reduce the risk of fire or electric shock, do not expose the display to rain or moisture.
- Exposure to chemical vapors and fumes can interfere with the environmental sensors built into the display. When cleaning the display, use water only. Immediately after cleaning, the environmental sensors may give inaccurate readings until water evaporates and dust settles.
- Do not insert objects inside the cabinet ventilation holes, because they could touch dangerous voltage points and cause electric shock, fire, or product damage which may not be covered by the warranty.
- Do not place heavy objects on the power cable. Damage to the cable could cause shock, fire, or product damage which may not be covered by the warranty.
- If the glass is broken, do not touch the liquid crystal. To prevent injury, handle glass fragments with care when disposing of them.
- Disconnect the display's power cable from the wall outlet and seek assistance from qualified service personnel if any of the following occur:
  - The power cable or plug is damaged.
  - Liquid is spilled into the display.
  - Objects fall into the display.
  - The display is dropped.
  - Structural damage, such as cracking, occurs.
  - The display behaves unexpectedly when you follow operating instructions.
- This product may contain substances that are candidate SVHCs under the EU REACH Regulation (EC) 1907/2006. Check https://echa.europa.eu/scip-database for the latest information.

Contents

Chapter 1 **Welcome**

The SMART Board® QX Pro series interactive display with iQ is the hub of your classroom or meeting room. This chapter introduces the SMART Board QX Pro series interactive displays.

About this guide

This guide is for people who use SMART Board interactive displays. Documentation and resources for those who install and maintain displays is also available (see *More information* on page 15).

About the display

> **Note**
>
> The following features are available on the SMART Board QX Pro models.

Touch

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 surface.

You can use an array of gestures within applications, including panning, scaling, rotating, and zooming.

The display's advanced HyPr Touch™ (Hybrid Precision Touch) with Advanced IR touch technology provides a natural, intuitive writing and touch experience with high accuracy and low latency. In addition, the display's Silktouch ultra-smooth finish allows you to use the display for hours without discomfort.

For more information, see *Using touch* on page 21.

Writing, drawing, and erasing

The display comes with a black pen and a red pen that you can use to write or draw on the screen. The pens are also equipped with erasers for fine erasing of digital ink.

The display also includes two erasers, which you can use to erase digital ink.

The display's Object Awareness responds automatically to the tool or object you're using, whether it's a pen, finger, eraser, or palm. The display's Pen ID and Simultaneous Tool Differentiation technologies allow multiple people to write independently and simultaneously, using different colors of ink.

For more information, see *Using the pens and erasers* on page 23.

Support for additional pens and tools

The Tool Explorer™ platform enables you to use SMART-authorized pens and tools in addition to those supplied with the display. Users can manipulate real-world objects to interact intuitively with on-screen objects, increasing engagement and knowledge retention. The SMART Board QX Pro is Tool Explorer (v2) ready.

iQ

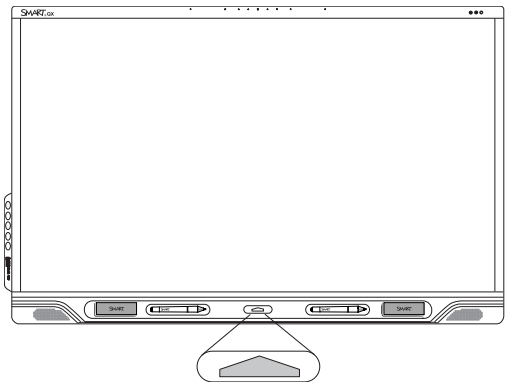
If enabled, the display's iQ Pro features provide one-touch access to collaborative tools, such as a whiteboard, wireless screen sharing, and a web browser. There's no need for manual software and firmware updates.

> **Note**
>
> Some features, such as Browser and Screen Share, require a properly configured network connection.

Press the **Home** button on the display (pictured) or the remote control to open the Home screen. From the Home screen, you can open the iQ apps, switch inputs, and adjust settings.

For more information about the Home button and the Home screen, see Using the Home button.

For more information, see iQ Pro.



Display

The 4K ultra-high-definition LED display provides optimal image clarity and wide viewing angles.

The size of the display varies by model:

Models	Size (diagonal)
SBID-QX265-P / SBID-QX065-P	65"
SBID-QX275-P / SBID-QX075-P	75"
SBID-QX286-P / SBID-QX086-P	86"

Audio

The display includes an intergrated soundbar that features two 20 W speakers and a 15 W subwoofer, designed to provide sound at the front of a room.

Network connectivity

The display requires an internet network connection for downloading software and firmware updates, and a number of the iQ apps require a network connection as well.

You can connect to a network using Wi-Fi or an Ethernet cable:

- The Wi-Fi module supports both 2.4 and 5 GHz bands.
- The two RJ45 jacks allow you to connect the display and an external device, such as a computer, to a Gigabit Ethernet network.

Room computers and guest laptops

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

The display comes with SMART software that you can install on connected computers to take full advantage of the display's features while using the connected computers.

For more information, see *Connecting room computers and guest laptops* on page 34.

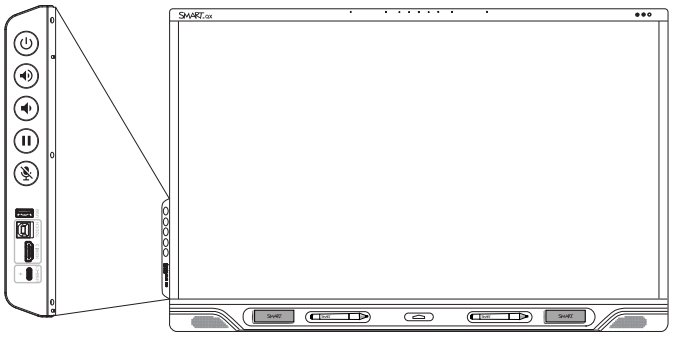
Accessory slot

You can install an OPS-compatible device, such as a SMART OPS PC module, in the accessory slot. SMART OPS PC modules provide a complete Windows® Pro installation.

For more information about SMART OPS PC modules, see SMART OPS PC module.

Convenience panel

The convenience panel provides buttons for turning the display on and off, controlling the volume, freezing and unfreezing the screen, and muting and unmuting the microphone. It also includes connectors for USB peripherals and a computer or other input source. See *Connecting room computers and guest laptops* on page 34.



For more information about the convenience panel, see *Using the convenience panel* on page 18.

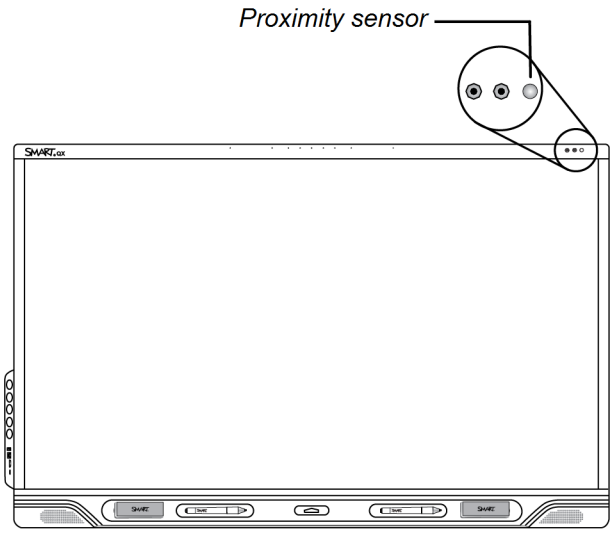
Proximity sensor

The proximity sensor is located in the top-right corner of the display's frame. It's the sensor on the right.

The proximity sensor can detect people up to approximately 16' (5 m) away when the display is in an energy saving mode.

When the proximity sensor detects people in the room, the display turns on, depending on how it's configured.

If the room is empty for a specified period, the display returns to an energy saving mode.



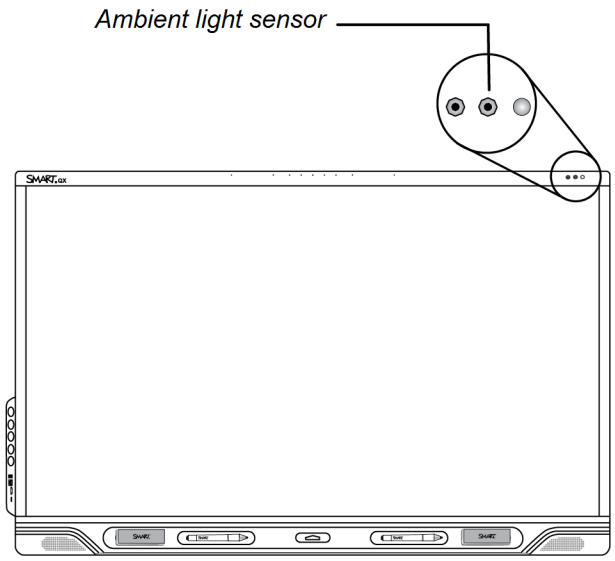
Notes

- For more information about energy saving modes, see the *SMART Board QX Pro series interactive displays installation and maintenance guide* (smarttech.com/kb/171874).
- The proximity sensor responds when the display is the standby and networked standby power states.

For more information, see *Waking up the display and putting it back into energy saving mode* on page 16.

Ambient light sensor

The ambient light sensor is located in the top-right corner of the display's frame. It's the sensor in the middle.



The ambient light sensor detects the room's brightness and adjusts the brightness of the screen accordingly.

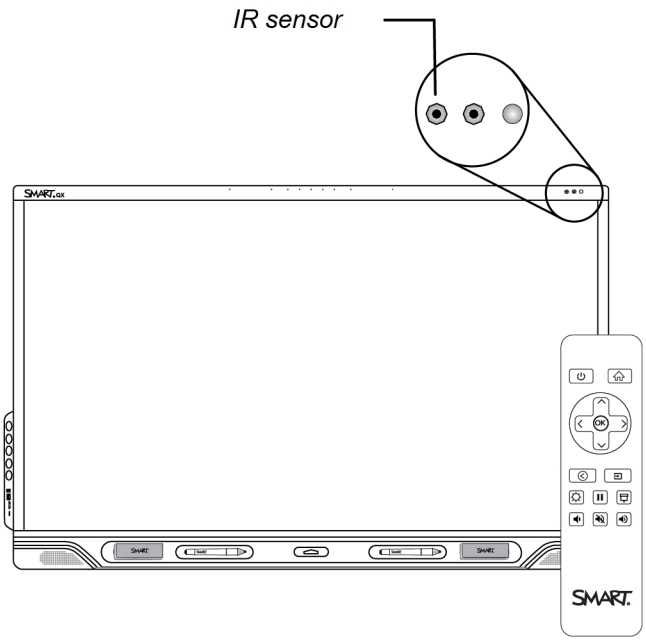
You can enable, disable, and adjust this feature. Refer to the *SMART Board QX Pro series interactive displays installation and maintenance guide* (smarttech.com/kb/171874) for more information.

Remote control IR sensor

The IR sensor is located in the top-right corner of the display's frame. It's the sensor on the left.

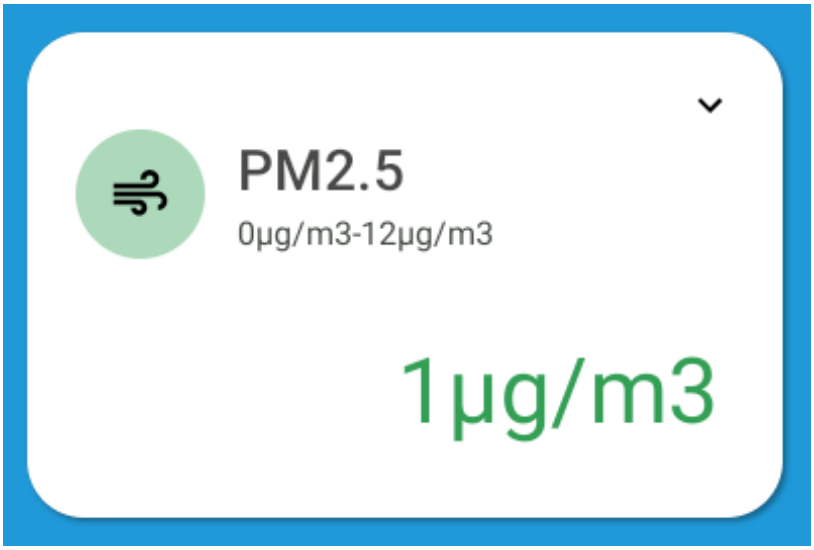
You can use the remote control to turn the display on and off, adjust display settings, and so on.

For more information about the remote control, see *Using the remote control* on page 19.



Environmental sensors

The display features integrated temperature, humidity, Volatile Organic Compounds (VOCs), and fine particulate matter ($PM_{2.5}$) sensors that can provide real-time measurement and recording of the environmental conditions at the display. This data is accessible using the **Sensors** app in the display's App library.



For best results, every time the display is turned on give the sensors three minutes to warm up.

Notes

- Information from the display's environmental sensors is available only when iQ is enabled.
- The display's environmental sensors are not life safety rated sensors: they provide general information only.
- The typical lifespan of the display's environmental sensors is five years. This will vary based on usage and environmental factors.

For more information, see default.htm.

Microphone array

You can use the display's built-in microphone array while using a conferencing app on the display. The microphone array provides improved sound detection. You can also use the display's built-in microphone array in place of a connected computer's microphone.

For more information, see *Using the microphone array* on page 26.

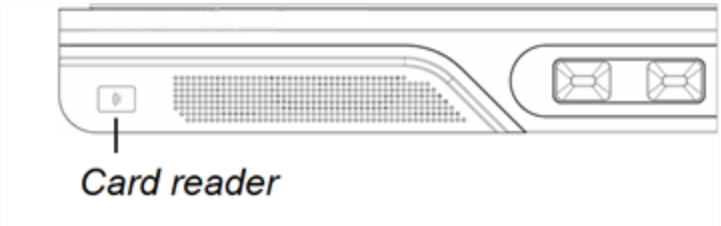
Video Camera

The SMART HD camera is available for use with the QX Pro display. You can use this video camera while using a conferencing app on the display. You can also use the display's video camera in place of a connected computer's camera.

For more information, see *Using the video camera* on page 28.

NFC reader

The display's integrated RFID NFC reader/writer supports a variety of contactless identification cards. You can use third-party, CCID compatible NFC cards and software with features such as logging in to Microsoft Windows or other software systems on a connected computer.



Mounting hardware

The display comes with a WM-SBID-200 wall mount, which your organization can use to mount the display on a wall.

You can also mount the display on a wall or mobile stand (see accessories.htm).

> **Note**
>
> SMART does not provide stands for use in Australia or New Zealand, nor can we provide recommendations for stands from other vendors.

Accessory mounting points

The display features M4 mounting points located at the top-center (for the camera), and under the frame on the left and right sides for SMART-approved accessories.

Identifying your specific model

SMART offers a variety of models of the SMART Board QX Pro series interactive display:

Model/SKUs	Frame style	Screen size (approximate)	iQ embedded computing	Microphone array
SBID-QX265-P	Black	65"	Yes	Yes
SBID-QX275-P	Black	75"	Yes	Yes
SBID-QX286-P	Black	86"	Yes	Yes
SBID-QX065-P	Black	65"	No	Yes
SBID-QX075-P	Black	75"	No	Yes
SBID-QX086-P	Black	86"	No	Yes

Refer to the specifications for detailed technical information about these models, including product dimensions and weights (see *More information* on the next page).

Comparing SMART Board QX Pro series interactive display models

Feature	65"	75"	86"
Model number	SBID-QX265-P	SBID-QX275-P	SBID-QX286-P
Weight	92.6 lb. (42 kg)	124 lb. (56 kg)	154 lb. (70 kg)
Brightness	≥ 490 cd/m^2	≥ 490 cd/m^2	≥ 490 cd/m^2
Viewing angle	178°	178°	178°
Noise level	<32 dBA	<32 dBA	<32 dBA
Power consumption (normal operating)	115 W	117 W	135 W

More information

SMART provides a variety of other documents for this display in the Support section of the SMART website (smarttech.com/support). Scan the QR code on the cover of this guide to view links to SMART Board QX Pro series interactive display documents and other support resources.

Chapter 2 **Using basic features**

Waking up the display and putting it back into energy saving mode

The display's proximity sensor can detect people up to 16' (5 m) away. When the display is in Networked Standby (Sleep) energy-saving mode, it wakes when the sensors detect someone nearby. When it's in Standby (Shutdown) energy-saving mode, the display does not wake.

> **Note**
>
> The proximity sensor responds when the display is in standby and networked standby power states.

When the display is in Ready mode, the power light is orange and the Home button is illuminated. If the power light is not on, check that the power switch is on.

If the display is in Ready mode, you can turn it on in a number of ways:

- Press the **Power** button ⏻ on the convenience panel.
- Tap the **Home** button below the screen.

  > **Note**
  >
  > The Home button is illuminated when the display is in Ready mode.

- Press the **Home** button ⌂ on the remote control.
- Pick up a pen or the eraser.
- Connect a video cable from a computer to a video input on the display.

  The display also turns on when it receives a video signal.

The display returns to Ready mode when one of the following occurs:

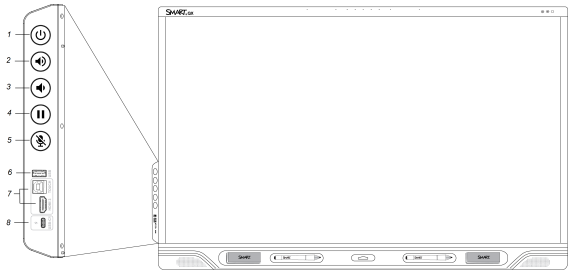
- The sensor detects no motion in the room for the length of time configured in the display's settings.
- The display is idle for a specific interval while the Home screen is shown. You can change the interval in the display's power management settings.
- You press the **Power** button ⏻ on the convenience panel or the remote control.

After entering Ready mode, the display enters an energy saving mode when the sensor detects no movement in the room for the length of time configured in the display's settings.

For information about turning off the display, see the *SMART Board QX Pro series interactive displays installation and maintenance guide* (smarttech.com/kb/17874).

Using the convenience panel

The convenience panel contains buttons for turning the display on and off, controlling the volume, freezing and unfreezing the screen, and showing and hiding a screen shade. It also includes connectors for USB peripherals and a computer or other input.



No.	Name	Procedure
1	Power	• Press to wake the display or put it back into an energy saving mode (see *Waking up the display and putting it back into energy saving mode* on page 16). • Press and hold for five seconds to turn off the display. • Press and hold for 10 seconds to restart the display. **Note** Restarting the display does not change the display's settings or delete saved files.
2	Volume increase	Press to increase the volume (see *Adjusting the volume* on page 26).
3	Volume decrease	Press to decrease the volume (see *Adjusting the volume* on page 26).
4	Freeze	Press to freeze and unfreeze the screen (see page 30).
5	Microphone mute	Press to mute or unmute the microphone (see *Using the microphone array* on page 26).
6	USB Type A connector	Connect USB drives and other devices you want to use with a connected computer (see *Connecting USB drives, peripherals, and other devices* on page 37).
7	HDMI 3 input	Connect the HDMI video output of a computer or other input source to use with the display (see page 34).
8	USB Type-C connector	Connect a computer or mobile device with a single connection for touch, video, and audio. Or connect any USB Type-C peripheral (such as a USB drive, a keyboard, a mouse, and so on) to use with the display (see page 34).

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

Power button	Display status
Off	Not receiving power
Amber	In an energy saving mode
White	In normal operating mode

Using the remote control

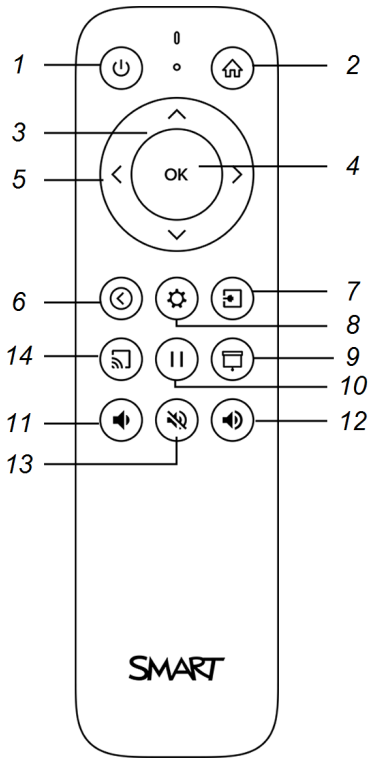
The display comes with an infrared remote control.

Use the infrared remote control to turn the display on or off, switch inputs, control the volume, access the display's iQ 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.

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 an energy saving mode (see *Waking up the display and putting it back into energy saving mode* on page 16). Press and hold for four seconds to turn off the display. Press and hold for 10 seconds to reset the display. Press to wake the display or put it back in an energy saving mode (see *Waking up the display and putting it back into energy saving mode* on page 16).
2	Home	Open the Home screen or the Input screen (see using-the-home-button.htm).
3	Up and down buttons	Navigate to menu options in the settings.
4	OK	Select a menu option in the settings.
5	Left and right buttons	Change the value of the selected setting.
6	Back	Go one step back in the navigation history.
7	Input	Switch inputs (see *Viewing a connected computer's input* on page 34).
8	Settings	Open iQ Settings.
9	Screen shade	Hide screen contents behind a screen shade (see *Showing and hiding the screen shade* on page 30).

No.	Name	Procedure
10	Freeze frame	Freeze and unfreeze the screen (see page 30).
11	Volume increase	Increase the volume (see *Adjusting the volume* on page 26).
12	Volume decrease	Decrease the volume (see *Adjusting the volume* on page 26).
13	Volume mute	Mute the volume (see *Adjusting the volume* on page 26).
14	Share screen	Open the Screen Share app (see Sharing your device's screen to the display). **Note** This button is not available on all remote control models.

Using touch

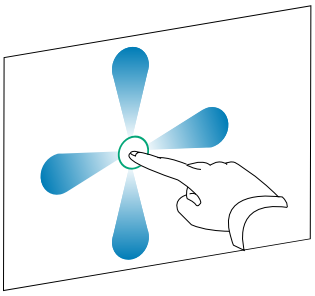
You can do everything on the SMART product that you can do at your computer—open and close applications, meet with others, create or edit documents, visit websites, play and manipulate videos, and so on—by touching the SMART product's surface.

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

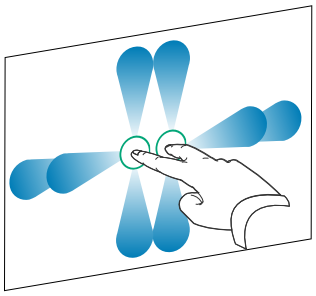
SMART Board QX Pro series displays support up to 40 simultaneous interaction points, enabling you and others to interact with objects on the screen at the same time.

> **Note**
>
> Not all gestures work in all applications. Refer to an application's documentation to learn which gestures it supports.

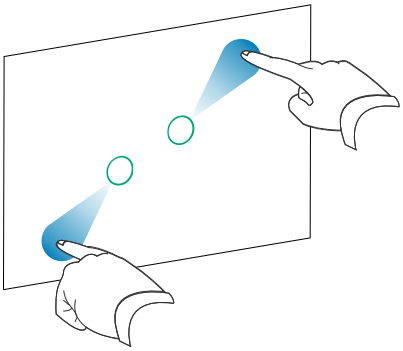
Pan (one finger)



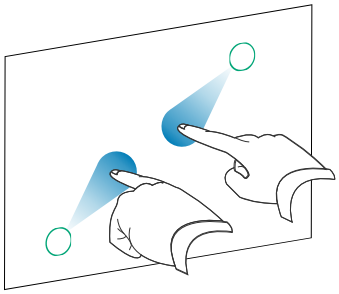
Pan (two fingers) / scroll



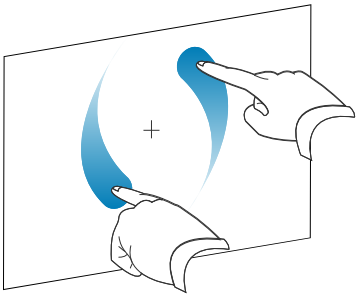
Pinch to zoom in / scale (enlarge)



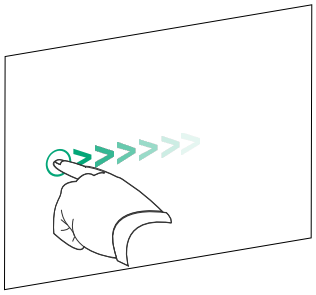
Pinch to zoom out / scale (reduce)



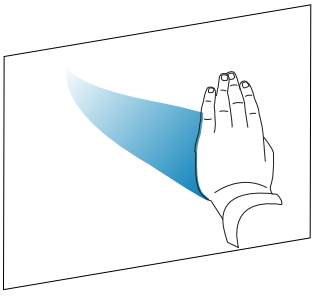
Rotate



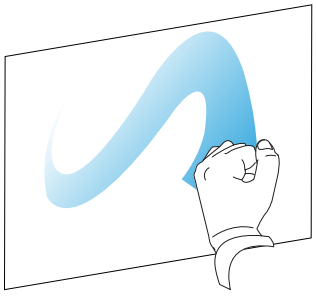
Flick



Erase with palm



Erase with fist



Using the pens and erasers

The display includes a black pen, a red pen, and two erasers. You can use the pens to write and draw in digital ink on the display, and you can use the erasers—or your palm or fist—to erase digital ink.

The display has magnetic holders for the pens and erasers at the bottom of the display's frame. Return the pens and erasers to their holders when you're done with them.

> **Caution**
>
> When you return a pen to the magnetic holder, make sure it's centered in its holder to keep it from falling and being damaged.

Writing and drawing in digital ink

Several people can write or draw on the screen at the same time. Each pen writes and draws in its own color. The Pen ID™ feature lets you temporarily assign different colors, thicknesses, and other properties to each pen.

> **Important**
>
> Use only pens designed for SMART Board QX Pro series interactive displays (see smarttech.com/kb/171230).

> **Note**
>
> When a pen is introduced to a display for the first time, it may take a few moments for the pen to pair with the display.

To write or draw in digital ink

1. Pick up one of the display's pens.
2. Write or draw in digital ink on the screen.

> **Tip**
>
> - To learn how to change a pen's default behavior, see *Changing a pen's color, thickness, and other properties* on page 25.
> - Freeze the screen before writing or drawing over a video, an animation, or other moving images (see *Freezing the screen* on page 30).

- The QX Pro display features palm rejection: you can rest your hand on the screen while writing and it's not interpreted as input. You can disable this feature by selecting **Settings** > **System** > **Disable palm erase**.

Using pressure-sensitivity

The pressure-sensitive tips on SMART QX Pro pens provide versatility in presentations and note-taking. The Tool Explorer ™ feature is supported whenever you're working in SMART iQ. It's also supported in many Windows applications, including OneNote.

To use pressure-sensitivity

1. Pick up one of the display's pens (black or red).
2. Write or draw in digital ink on the screen. By applying more pressure on the pen, the line becomes thicker. Use less pressure and the line becomes narrower.

To turn pressure-sensitivity off

1. Go to the Home screen.
2. Select **Settings** > **SMART Whiteboard** > **Enable pressure-sensitive pen** and toggle the feature off.

Pressure-sensitivity works alongside features such as changing the pen color and properties.

See *Using the SMART Ink dynamic (floating) toolbar* below.

Tip

Tool Explorer works best when the pens are separated by at least 4" (10 cm). If the pens are closer than that, you may experience errors or unexpected ink behavior.

Using the SMART Ink dynamic (floating) toolbar

If you pick up a pen while viewing a connected computer's input, the SMART Ink® dynamic (floating) toolbar for SMART Ink appears on the screen. You can use this toolbar to temporarily change the pen's color, thickness, or other properties. You can also access SMART Ink's other tools, such as screen capture, spotlight, screen shade, and so on.

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 color, thickness, and other properties

You can change a pen's color, thickness, and other properties temporarily using the SMART Ink dynamic (floating) toolbar when you're viewing a connected computer's input.

See *Using the SMART Ink dynamic (floating) toolbar* on the previous page.

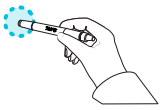
> **Note**
>
> When working in iQ, the pen's color, thickness, and other properties return to their default settings after the pen is returned to the display's magnetic pen well. This may take up to 30 seconds.

Erasing digital ink

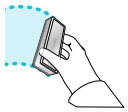
> ⚠ **Caution**
>
> When you return an eraser to a magnetic holder, make sure it's centered in its holder to keep it from falling and being damaged.

You can erase digital ink from the screen using an eraser or your palm or fist:

Move a pen's eraser over digital ink to erase.



OR
Move the eraser over digital ink to erase.



OR
Move your palm or fist over digital ink to erase.

Adjusting the volume

Use the buttons on the convenience 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 convenience panel or the remote control.

> **Notes**
>
> - Press and hold the **Volume Down** button to rapidly decrease the volume.
> - When you press the **Volume Up** button or **Volume Down** button on the convenience panel or the remote control, you can use the on-screen slider to adjust the volume.

To mute the volume

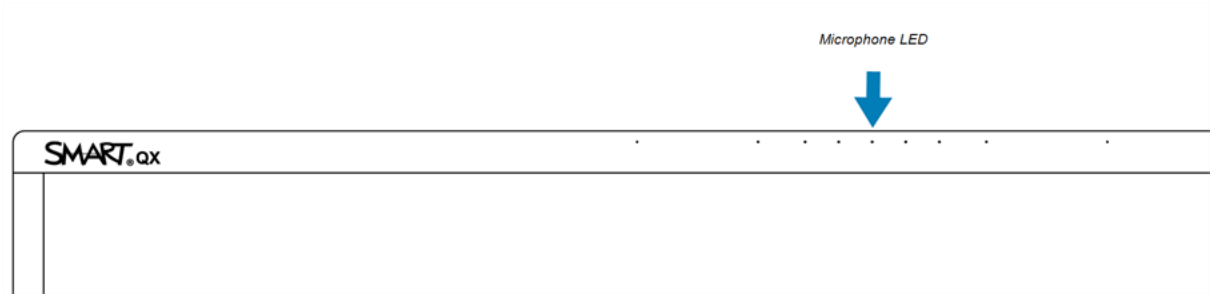
Press the remote control's **Mute** button, or press the **Mute** button on the displays' convenience panel.

> **Tip**
>
> You can also mute the volume by pressing and holding the **Volume Down** button on the convenience panel or the remote control until the screen slider reaches its lowest position.

Using the microphone array

You can use the microphone array to capture audio while using a conferencing app on your display. You can also connect a room computer or guest laptop to the display and use the display's built-in microphone array in place of the connected computer's. The microphone array provides improved sound selection and noise cancellation.

The microphone array is located in the top-center of the display's frame. The microphone LED is in the middle of the array.



The microphone mute button is located on the display's convenience panel (see Convenience panel).

> **Note**
>
> To learn more about installing third-party apps, see Adding and managing apps in the iQ experience.

Microphone status

The LED on the microphone array and the color of the mute button indicate the status of the microphone.

- LED on and the mute button is white- The microphone is enabled and currently in use.
- LED off and the mute button is white - The microphone is enabled and not currently in use.
- LED off and the mute button is red - The microphone is disabled, and either muted or not currently in use.

Using the microphone array with the display's conferencing apps

Start the conferencing app on the display.

If the display's microphone array is not automatically selected, open the sound controls in the conferencing app and select **SMART IFP Mic** from the list of sound input devices.

> **Tip**
>
> Use the sound controls in your display's conferencing apps to adjust settings such as background noise reduction and microphone sensitivity.

Using the microphone array with a connected computer

1. Connect the computer to the display and select the computer as the display's input. (see *Viewing a connected computer's input* on page 34).
2. Open the sound controls on the connected computer.

   Windows computer: Select **Start > Settings > System > Sound > Input > Choose your input device**.

   Mac computer: Select **Apple menu > System Preferences**, click **Sound**, then click **Input**.
3. Select **SMART IFP Mic** from the list of sound input devices.

   > **Tip**
   >
   > Use the connected computer's sound controls to adjust settings such as input volume and background noise reduction.

Setting the microphone array as the default microphone for a conferencing app on a connected computer

1. Connect the computer to the display and select the computer as the display's input (see *Viewing a connected computer's input* on page 34).
2. Start the conferencing app on the computer.
3. Open the conferencing app's sound controls and select **SMART IFP Mic** from the list of sound input devices.

   > **Tip**
   >
   > Use the conferencing app's sound controls to adjust settings such as input volume and background noise reduction.

Using the video camera

You can use the display's video camera to participate in video calls, capture photos and videos, and more. You can also connect a room computer or guest laptop to the display and use the display's video camera in place of the connected computer's.

> **Note**
>
> To learn more about the camera that is included with this display, see SMART Ultra HD Camera user guide.

> **Tip**
>
> The video camera is located at the top-center of the display's frame and a blue LED status light illuminates when the camera is active.

Enabling and using the video camera

1. Ensure your display is turned on.
2. On the main screen of your display, select **Apps**.
3. Select **Camera** from the available apps.

> **Tip**
>
> For the best picture, and effective remote control operation, ensure that the camera cover slider is slid all the way to the right.

Using the video camera with conferencing apps

> **Note**
>
> To learn more about installing third-party apps, see Adding and managing apps in the iQ experience.

Start the conferencing app on the display.

The SMART Ultra HD Camera will be selected as the camera by default.

Using the video camera with a connected computer

1. Connect the computer to the display and select it as the display's input. (see *Viewing a connected computer's input* on page 34).
2. Open the conferencing app on the connected computer.
3. In the app's device input settings, select **SMART Ultra HD Camera 120.**

Freezing or hiding the screen

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

Freezing the screen

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

> **Note**
>
> Freezing the screen does not pause applications that are running on the connected computer. It simply freezes the display of those applications.

> **Tip**
>
> You can write or draw over the screen while it is frozen (see *Writing and drawing in digital ink* on page 23).

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

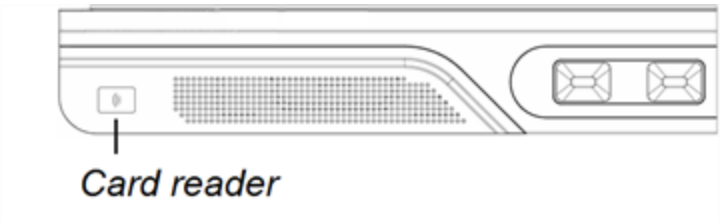
Showing and hiding the screen shade

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.

Using the NFC card reader

The display's integrated RFID NFC reader/writer supports a variety of contactless identification cards. You can use third-party, CCID compatible NFC cards and software with features such as logging in to Microsoft Windows or other software systems on a connected computer.



Learn about iQ Pro

For more information about iQ Pro, including the collaborative tools, whiteboard, wireless screen sharing, and web browser, refer to the iQ Pro support site.

Chapter 4 **Connecting computers and other devices**

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 the following software, which you can install on connected computers:

Software	Description	Notes
SMART Notebook	Free software designed for use with a SMART Board interactive display. SMART Notebook software comes with many features that you can use to create, edit, and deliver engaging lessons for your students.	See About SMART Notebook.
SMART Meeting Pro	Software that enables you to capture ideas in a virtually unlimited interactive workspace.	Pro models only.
SMART Product Drivers	Software that enables the computer to detect input from the display.	

Software	Description	Notes
SMART Ink	Software that enables you to write and draw in digital ink over applications, files, folders, websites, and any other open window.	
SMART Remote Management	Cloud-based mobile device management software for remotely maintaining, supporting, controlling, and securing the display and your other devices.	See SMART Remote Management.

The following software is also available but sold separately:

Downloading and installing SMART software

You can download SMART software from smarttech.com/downloads and install it following the instructions in Installing and maintaining SMART Notebook, Installing SMART TeamWorks Room, or Installing and maintaining SMART Meeting Pro.

Using SMART software

For information about using SMART software, see the following pages in the Support section of the SMART website:

- SMART Notebook
- SMART TeamWorks
- SMART Meeting Pro
- SMART Product Drivers and Ink
- SMART Remote Management

SMART Product Drivers and Ink are installed and used on computers connected to the display to enable touch and digital ink features. This supporting software is included with SMART's software products, such as SMART Notebook, SMART Meeting Pro, and SMART TeamWorks, and is also available for free download.

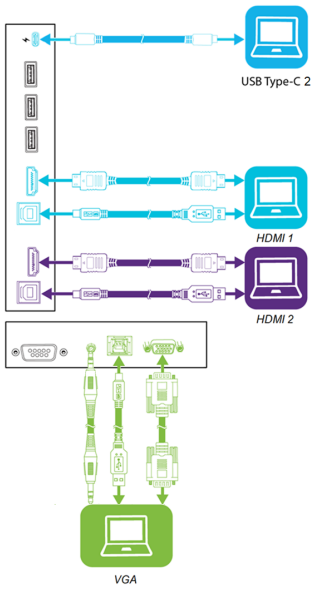
SMART Product Drivers and Ink software have a number of features you can use to customize default settings for your display and troubleshoot common issues:

- Adjust touch, mouse, and gesture settings
- Turn SMART Ink on or off
- Using SMART Ink with Microsoft® Office

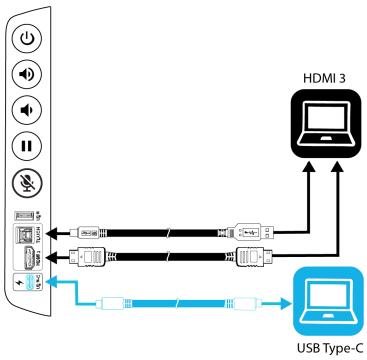
Connecting room computers and guest laptops

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

Rear connector panel



Front convenience panel



Notes

- Install SMART software on computers you connect to the display (see *Installing and using SMART software* on page 32).
- 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.
- You can charge devices connected to the USB Type-C receptacles. These receptacles can provide up to 65 W to connected devices (the USB Type-C receptacle labeled USB-C 2 on the rear connector panel provides 30 W when an OPS PC module is installed).

Viewing a connected computer's input

Use the Input app to view a connected computer's input on the display.

To view a connected computer's input

1. Connect the computer to the display.
2. Select one of the following:

If iQ is enabled	If iQ is disabled
Tap **Input** on the Home screen. OR Press **Input** on the remote control.	Press the **Home** button or the **Input** button on the remote control.

   The display shows thumbnails of the devices that are connected to the display:

   - A gray thumbnail indicates no device is connected to an input.
   - A black thumbnail indicates a device is connected to an input but is in Sleep mode or not providing a video signal.
   - A thumbnail showing a preview screen indicates an active device is connected to an input.

3. Tap the computer's thumbnail.

> **Tip**
>
> If iQ is disabled and you want a computer's input to appear whenever you wake up the display, tap the star in the upper-left corner of the computer's thumbnail.

Setting a connected computer's resolution and refresh rate

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

Input source	Resolution	Refresh rate
HDMI 1	3840 × 2160	60 Hz
HDMI 2	3840 × 2160	60 Hz
HDMI 3	3840 × 2160	60 Hz
VGA	1920 × 1080	60 Hz
USB Type-C	3840 × 2160	60 Hz

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

Using recommended cables

SMART recommends the following varieties of cable:

Cable type	Maximum length	Recommendation
HDMI	23' (7 m)	Use only certified Premium High-Speed HDMI (18 Gpbs) cables that have been tested to support the performance standard you require.
VGA	23' (7 m)	Use VGA cables with all pins in their connectors fully populated and wired.
Stereo 3.5 mm	20' (6 m)	
USB 2.0	16' (5 m)	Use a USB extender if the distance between the computer and the display is greater than 16' (5 m). For more information, see USB extenders. USB 2.0 cables support Hi-Speed (480 Mbps), whether connected to a USB 2.0 or USB 3.0 receptacle. For SuperSpeed (5 Gbps), connect a USB 3.0 cable to a USB 3.0 receptacle.
USB 3.0	9' (3 m)	SMART supports only installations that use directly connected video and USB cables, or AC-powered extenders. You might be able to use higher-grade cables that exceed the recommended length. If you have problems with such a cable or an extender of any type, test the connection with a shorter cable before contacting SMART Support.
USB Type-C	6' 6" (2 m) for SuperSpeed 5Gbps cables	USB-IF certified USB 3.2 Gen 1 Type-C cable, SuperSpeed (5 Gbps) support To use a USB Type-C cable for video, you need: • A full-featured cable that supports SuperSpeed 5Gbps (or faster) data rates. • A computer that supports Display Port Alternate Mode via USB Type-C **Note** The USB Type-C connector on the display can supply up to 15 W of power to connected devices.

Using cables that exceed these maximum lengths may produce unexpected results, intermittent loss of picture, or degraded picture quality and USB connectivity.

Connecting USB drives, peripherals, and other devices

You can use USB drives, peripherals, and other devices with a computer connected to the display using the display's USB connectors.

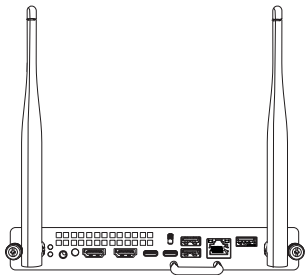
For more information, see *Connecting USB drives, peripherals, and other devices* below.

Troubleshooting connected computers

For troubleshooting information for connected computers, see *Chapter 5 Troubleshooting* on page 39.

Connecting a SMART OPS PC module

If your organization has purchased a SMART OPS PC module, you or your organization's installers can install the OPS PC module in the display's accessory slot following the OPS PC module's installation instructions (docs.smarttech.com/kb/171775 or docs.smarttech.com/kb/171544). You can then view the OPS PC module's input on the display.



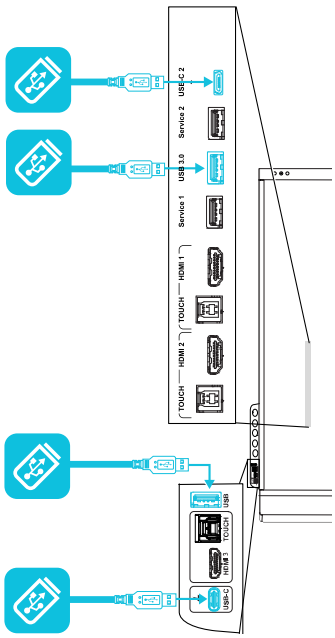
For more information about SMART OPS PC modules, see the *SMART OPS PC modules user guide* (docs.smarttech.com/kb/171747).

Connecting USB drives, peripherals, and other devices

The display includes one USB Type-C receptacle and one USB 3.0 Type-A receptacle on the convenience panel. The rear connector panel also includes a USB Type-C receptacle and a USB 3.0 Type-A receptacle.

You can connect USB drives, peripherals (such as keyboards), and other devices to these connectors and use the devices with iQ connected computers, and devices installed in the accessory slot, such as the SMART OPS PC.

> **Note**
>
> Connect only drives, peripherals, and devices to the USB Type-A and USB Type-C receptacles. Do not connect USB hubs.


USB-C 2
Service 2
USB 3.0
Service 1
HDMI 1
TOUCH
HDMI 2
TOUCH
USB
TOUCH
HDMI 3
USB-C

Chapter 5 **Troubleshooting**

This chapter explains how to resolve a variety of common issues with the display. If your specific issue isn't described here or the solutions to the symptoms don't work, refer to the SMART knowledge base for additional troubleshooting information.

community.smarttech.com/s/topic/0TOU0000000kAJ0OAM/interactive-displays?tabset-823c7=2

The display isn't turning on

Symptom	Troubleshooting steps
The power light isn't lit.	• Make sure the switch beside the AC power inlet is in the ON (I) position. • Make sure the power cable is securely fastened to the power outlet and the display. **Note** If the power cable is connected to a power bar, make sure the power bar is securely fastened to the power outlet and turned on. • Make sure the power outlet is working by testing it with a different device. • Make sure the power cable is working by testing it with a different device.
The power light is lit, but the screen is blank.	• Press the Power button on the convenience panel or the remote control. • Restart the display. • Determine if the problem is with the video. See *The screen is blank or there's a problem with the image on the screen* on the next page.

The display is turning on when it shouldn't

Symptom	Troubleshooting steps

The display turns on or enters Ready mode when it shouldn't.	• Check for and, if possible, move the display away from the following:
	  ◦ Direct sunlight
	  ◦ Bright lights
	  ◦ Forced air ducts
	  ◦ Plasma displays
	  ◦ Infrared audio systems and other infrared sources
	  ◦ Polished floors, glass walls, or other reflective surfaces
	• Be aware that the proximity sensors' range is 16' (5 m).
	Note
	The display will turn on when one of its receptacles receives a video signal, when checking for or applying system updates, or when it receives commands via its RS-232 connection.

The screen is blank or there's a problem with the image on the screen

Symptom	Troubleshooting steps
The screen is blank.	
A computer is connected to the display, but only a connection message appears on the screen.	• Make sure the computer is connected to the currently selected input. • Make sure the display supports the connected computer's refresh rate. See *Setting a connected computer's resolution and refresh rate* on page 35. • If the currently selected input is a computer, make sure the computer is not in an energy saving mode.
The image on the screen is distorted. OR There are lines, snow, or other visual noise on the screen. OR The image is flickering or flashing. OR The image is dim.	
(For SMART Board 6000S (V3) and 6000S (C) models) There is no image when using the USB Type-C receptacle with a computer.	• Make sure that the computer supports Display Port Alternate Mode video via USB Type-C. Look for the Display Port logo beside the USB Type-C receptacle on the computer. If it's not there, the computer may not support Display Port Alternate Mode video via USB Type-C. • Make sure the cable used with the USB Type-C receptacle supports Super Speed (5Gbps) USB. Look for the Super Speed USB logo on the cable. If the cable doesn't have the Super Speed USB logo, it may not have the internal wiring necessary to carry Display Port Alternate Mode video data.

Symptom	Troubleshooting steps
There are bright spots on the screen.	
Colors don't appear correctly.	• Be aware that if two or more displays are mounted side-by-side, there could be minor differences in colors across the displays. This issue is not unique to SMART products. • If the screen is completely lacking one color on the screen or the color problems occur on the Home screen, see *Contacting your reseller for additional support* on page 45. • If you're using a VGA video input, use a different cable or connect a different source to see if the issue is with the cable or input source. • Adjust the display's color settings, or reset them to the factory defaults.
The image is cut off or shifted to the left or right.	• Adjust any connected computers' video settings, particularly zoom, crop, and underscan. See the computer's operating system documentation. • If you're using a VGA video input and any connected computers' desktops are entirely black, change them to dark gray or a different color. • If any connected computers' desktops are extended across multiple screens, duplicate the desktops across the screens or set the display as the only screen.
The image doesn't fill the entire screen.	• Adjust any connected computers' video settings, particularly overscan. See the computer's operating system documentation. • Make sure the connected computer's video connector is configured to output a supported video signal. See the knowledge base article, No video display output from a laptop.
A persistent image appears on the display.	See the knowledge base article, Image persistence or burn in on LCD displays.

There's no sound or there's a problem with the sound

Symptom	Troubleshooting steps
There's no sound. OR There is sound, but the volume is low. OR The sound is distorted or muffled.	• If you're using an external audio system, make sure it is turned on. • Make sure the cables connecting the display to the computer are securely fastened. **Notes** ◦ The display's stereo 3.5 mm in connector works with the VGA input only. ◦ Connecting an audio cable to the display's stereo 3.5 mm out connector disables the internal speakers. ◦ If you're using the display's S/PDIF out connector to connect a sound bar or receiver for external speakers, see the *SMART Board 6000S series interactive displays installation and maintenance guide* (smarttech.com/kb/171414). • If you're using the display's stereo 3.5 mm out connector, adjust the volume on the display and the connected computer and make sure neither are muted. • If you're using the display's S/PDIF out connector, adjust the volume on the external audio system and make sure the audio system isn't muted. • Adjust the display's audio settings. • If you're using the integrated speakers, set the volume for the computer and any running applications to 80%, and then adjust the display's volume. OR If you're using an external audio system, set the volume for the computer, any running applications and the display to 80%, and then adjust the external audio system's volume.
There is a whine or buzzing sound coming from the back of the display.	• Be aware that these sounds are normal. All displays emit some electrical noise. Such sounds may be more noticeable with some displays than with others. However, if you hear noise from the front of the display, further investigation is required. • Connect all devices to the same power outlet or power bar.
For SMART Board (V3) models The microphone array is not picking up sound, and the green indicator light is not lit.	• Ensure that the microphone array is enabled in the Settings menu. • If you're using an external computer, ensure that the computer's audio settings are configured to use the *SMART IFP Mic* as the input device.

Touch isn't working as expected

Symptom	Troubleshooting steps
The display doesn't respond to touch.	• • Make sure SMART Product Drivers are installed and running on connected computers. (SMART Board 6000S (V3) models displays require SMART Product Drivers 12.18 or later, and SMART Board 6000S (C) and 6000S model displays require SMART Product Drivers 12.14 or later). • Make sure the USB cable between the display and the computer doesn't exceed the supported maximum cable length. See *Using recommended cables* on page 36. • Make sure any connected computers have detected the display's USB connection. • On Windows computers, open Device Manager and make sure there is no red X or yellow explanation mark (!) over the display's icon. • On Mac computers, open System Information and make sure there are no error messages in the display's row. • For Mac computers with macOS Mojave, see the knowledge base article, How to resolve issues with installing and using SMART Learning Suite software on macOS Mojave.
The display responds to touch intermittently. OR When you touch the screen, the pointer doesn't appear in the correct place.	• Restart the display. • Confirm with the installers that the computer is connected to the display with only a single cable. • Remove infrared sources, such as incandescent or arc lights, desk lamps, and infrared audio devices, or move the display to another location in the room. • Remove any USB extenders to help isolate the USB cable.

The pens and erasers aren't working as expected

Symptom	Troubleshooting steps
The display doesn't respond to touch or writing with a pen.	• Make sure SMART Product Drivers are installed and running on connected computers. (SMART Board 6000S (V3) models displays require SMART Product Drivers 12.18 or later, and SMART Board 6000S (C) and 6000S model displays require SMART Product Drivers 12.14 or later). • Make sure any connected computers have detected the display's USB connection. • On Windows computers, open Device Manager and make sure there is no red X or yellow explanation mark (!) over the display's icon. • On Mac computers, open System Information and make sure there are no error messages in the display's row. • Reinstall or update SMART Product Drivers and Ink on any connected computers.
The display responds to touch but not to writing with a pen.	Reinstall or update SMART Product Drivers and Ink on any connected computers. **Note** Some Tool Explorer pens and tools may work only in the iQ system's whiteboard, not on input from an external computer.

Symptom	Troubleshooting steps
When you write on the screen, the ink appears in the wrong place. OR Writing is intermittent. OR Ink disappears as you write.	• Restart the display. • Confirm with the installers that the computer is connected to the display with only a single cable. • Make sure SMART Product Drivers and Ink are installed and running on any connected computers. • Remove infrared sources, such as incandescent or arc lights, desk lamps, and infrared audio devices, or move the display to another location in the room.
You change the width or color of a pen's digital ink, but the width and color revert to the pen's defaults when you next pick up the pen from its holder on the display.	Be aware that a pen's color and thickness revert to the pen's default values when you place the pen back in its holder.
You can't write or draw in Microsoft® Office.	• Make sure Microsoft Office 2013 or later is installed. • Reinstall or update SMART Product Drivers and SMART Ink. Reinstall or update SMART Product Drivers and SMART Ink.

iQ apps aren't working as expected

Symptom	Troubleshooting steps
iQ apps aren't working as expected.	See Troubleshooting iQ.

SMART software on connected computers isn't working as expected

Symptom	Troubleshooting steps
SMART Notebook software isn't working as expected.	See Troubleshooting SMART Notebook.
Lumio by SMART isn't working as expected.	See Troubleshooting Lumio.
SMART Product Drivers and Ink aren't working as expected.	See Troubleshooting SMART Product Drivers and Ink.

The SMART OPS PC module isn't working as expected

Symptom	Troubleshooting steps
The SMART OPS PC module isn't working as expected.	See the *SMART OPS PC modules user guide* (docs.smarttech.com/kb/171747).

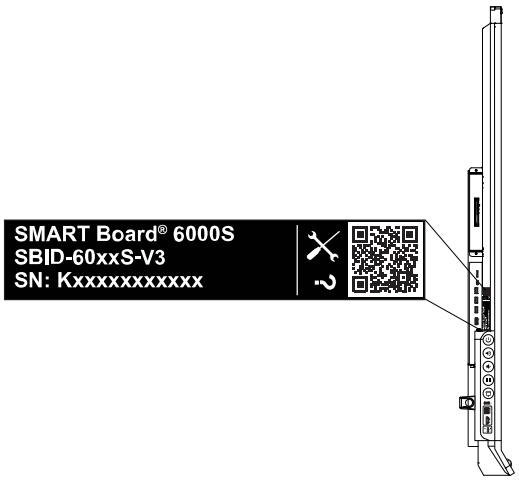
Sensors are unavailable

Symptom	Troubleshooting steps
A sensor in the Sensors app reports as "N/A" or "Unavailable."	Wait for one minute, then close and restart the Sensors app. The sensor should reach a ready state. If the unavailability of an environmental sensor persists, confirm if the sensor was initialized at installation. See Initializing the environmental sensors.

Contacting your reseller for additional support

If an issue you're experiencing with the display persists or isn't covered in this chapter or the knowledge base, contact your authorized SMART reseller (smarttech.com/where) for support.

Your reseller might ask you for the serial number for the display. The serial number is on a label located on the left side of the display (pictured).



Tips

- Scan the QR code on the label to view the SMART Board QX Pro series interactive display support pages on the SMART website.

- The label features the display's base model number (for example, SBID-QX065). Please note this number is different from the actual model/SKU number (for example SBID-QX265).
- You can also find the serial number in the iQ settings. Refer to the SMART Board QX and QX Pro series interactive displays installation and maintenance guide (smarttech.com/kb/XXXXXX) for more information.

Certification and compliance

NoteYou can access additional certification and compliance information for the display in Settings. From the Home screen, select the **Settings** icon, then select **About**, and select **Regulatory Information**.

You can also access certification and compliance information at smarttech.com/compliance.

Federal Communication Commission interference statement

FCC
Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information
Unique Identifier: IDQX65-1, IDQX75-1, IDQX86-1
Responsible Party – U.S. Contact Information
SMART Technologies Inc.
2401 4th Ave, 3rd Floor
Seattle, WA 98121
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 5.15-5.25GHz 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.

Radiation exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment is to be installed and operated with at least 8" (20 cm) between the Wi-Fi and Bluetooth antennas (including the optional OPS antennas) on the back of this device and any nearby people. 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-210 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.

⚠ 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 ISED radiation exposure limits set forth for an uncontrolled environment. This equipment is to be installed and operated with at least 8" (20 cm) between the Wi-Fi and Bluetooth antennas (including the optional OPS antennas) on the back of this device and any nearby people. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Innovation, Science et Développement économique Déclaration du Canada

Cet appareil est conforme à la norme ISED CNR-210 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.

⚠ Avertissement

(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.

EU Declaration of Conformity

Hereby, SMART Technologies ULC declares that the radio equipment type Interactive Display **IDQX65-1**, **IDQX75-1**, **IDQX86-1**, and the **OPS PCM11**, are in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following Internet address: smarttech.com/compliance

⚠ Warning

Operation of this equipment in a residential environment could cause radio interference.

The frequency band and the maximum transmitted power in EU are listed below:

Regulatory models: IDQX65-1, IDQX75-1, IDQX86-1

Transmitting Band (MHz)	Maximum Transmit Power dBuV/m @ 10m
13.56	0.0007µW (ERP)

Transmitting Band (MHz)	Maximum Transmit Power dBm
2400–2483.5	20dBm (EIRP)
5150–5350	22dBm (EIRP)
5470–5725	20dBm (EIRP)
5725–5875	14dBm (EIRP)

Regulatory model: PCM11

Transmitting Band (MHz)	Maximum Transmit Power dBm
2402–2483.5	20
5150–5350	23
5470–5725	23
5725–5850	13.9

Restrictions in:
AT/BE/BG/CZ/DK/EE/FR/DE/IS/IE/IT/EL/ES/CY/LV/LI/LT/LU/HU/MTNL/NO/PL/PT/RO/SI/SK/TR/FI/SE/CH/UK/HR – 5150MHz-5350MHZ is for indoor use only.

For optimal performance any support equipment connected to this device must be CE compliant.

Japan VCCI Class A statement – applicable only to models certified for sale in Japan

この装置は、クラスA情報技術装置です。この装置を家庭 環境で使用すると電波妨害を引き起こすことがあります。この場 合には使用者が適切な対策を講ずるよう要求されることがあります。VCCI-A

日本国内は100V交流動作のみに制限されています。

This is a Class A product based on the standard of the Voluntary Control Council for Interference (VCCI). If this equipment is used in a domestic environment, radio interference may occur, in which case the user may be required to take corrective actions.

Operation in Japan is restricted to 100V AC operation only.

当該機器には電波法に基づく、技術基準適合証明等を受けた特定無線設備を装着している。

This equipment contains specified radio equipment that has been certified to the Technical Regulation Conformity Certification under the Radio Law.

電波法により5.2/5.3 GHz帯は屋内使用に限ります。

The 5.2/5.3 GHz band is restricted to indoor use due to the Radio Law.

SMART Technologies

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