

SMART Board® 8070i-SMP and 8070i

Interactive flat panel

Installation guide

Product registration

If you register your SMART product, we'll notify you of new features and software upgrades.

Register online at smarttech.com/registration.

Keep the following information available in case you need to contact SMART Support.

Serial number:

Date of purchase:

FCC warning

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 manufacturer's instructions, 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.

Trademark notice

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One or more of the following patents: US6320597; US6326954; US6563491; US6741267; US6803906; US6829372; US6947032; US6954197; US6972401; US7151533; US7236162; US7411575; US7619617; US7643006; US7692625; US7755613; US7757001; US7880720; USD612396; USD616462; USD617332 and USD636784. Other patents pending.

04/2012

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Installing your interactive flat panel

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You require a team of professional installers equipped with a lifting device to install your SMART Board® 8070i interactive flat panel.

This chapter provides additional considerations and details for installing your interactive flat panel.

IMPORTANT

Because the connection points might not be accessible after wall-installation, consider connecting cables for speakers, computers and peripheral devices while the interactive flat panel is still in its packaging or is suspended from a lifting device. For more information, see *Connecting computers and peripheral devices* on page 7.

CHAPTER 1

Installing your interactive flat panel

What's included

The following items are included with your interactive flat panel.

Installation hardware

- Five large clamps
- Ten small clamps
- Cable cover with seven machine bolts
- Two M8 bolts
- Two M12 eyebolts
- Power cable with a clamp
- USB cable
- VGA cable

Accessories

- Two speakers with mounting screws
- Infrared remote control with two batteries
- Two pens with eight replacement pen nibs
- Eraser
- SMART GoWire™ auto-launch cable (SMART Board 8070i-SMP interactive flat panels only)
- CAT 5 USB extender (SMART Board 8070i-SMP interactive flat panels only)
- SMART Notebook™ collaborative learning software DVD (SMART Board 8070i interactive flat panels only)

Documentation

- Installation guide
- Important information document
- Warranty card
- Registration card
- SMART GoWire cable installation guide (SMART Board 8070i-SMP interactive flat panels only)
- CAT 5 USB extender installation guide (SMART Board 8070i-SMP interactive flat panels only)
- SMART Board 8070i interactive flat panel cable installation guide (SMART Board 8070i-SMP interactive flat panels only)

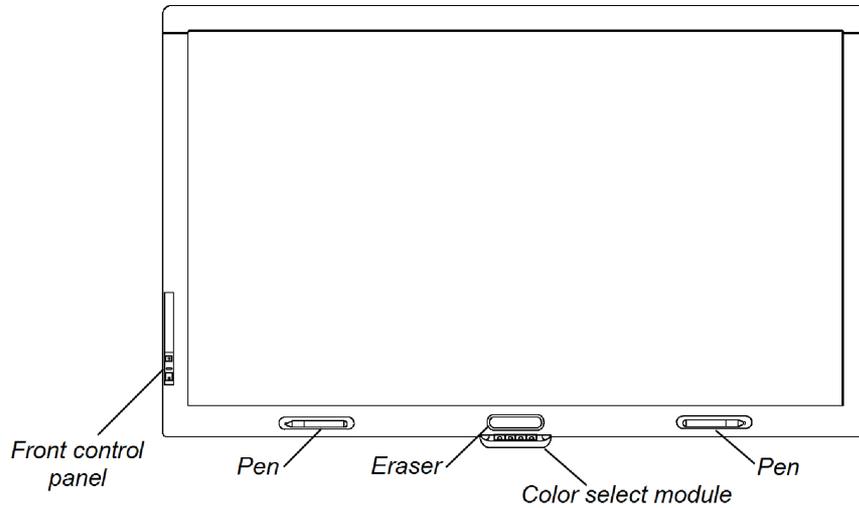
CHAPTER 1

Installing your interactive flat panel

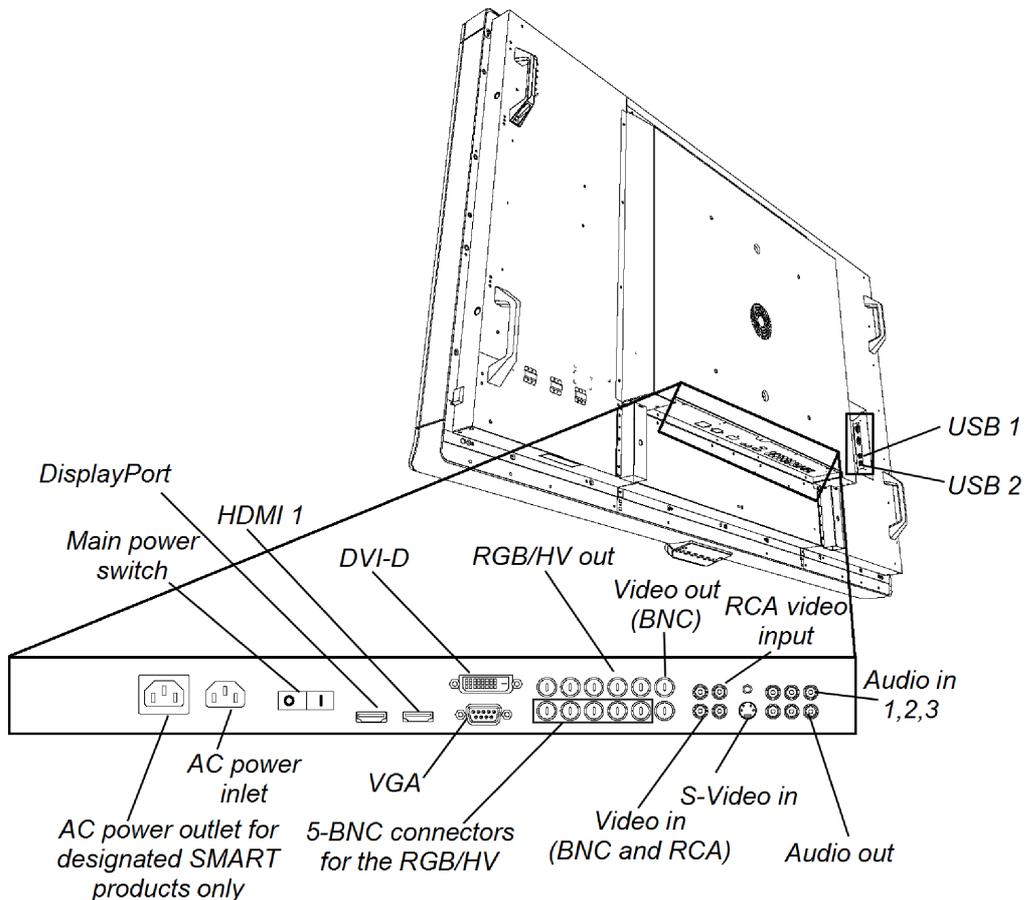
Components of your interactive flat panel

The following images identify the components of your interactive flat panel.

Front view



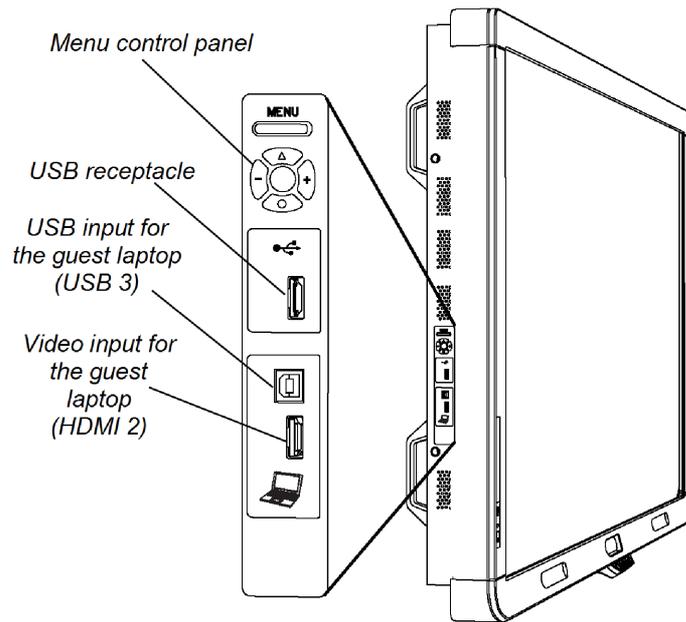
Back view



CHAPTER 1

Installing your interactive flat panel

Side view



Wall-mounting your interactive flat panel

Use a team of trained, professional installers equipped with a lifting device to install your interactive flat panel.

WARNING

- Improper installation can result in personal injury or product damage.
- Your interactive flat panel weighs 262 lb. (119 kg). Refer to local building codes to ensure your installation area can support this weight.

CAUTION

Do not allow the weight of the interactive flat panel to rest on the color select module because it is not designed to support product weight. Attach other components while the interactive flat panel is either still in its packaging or suspended from a lifting device to prevent the weight of the interactive flat panel from damaging the color select module.

IMPORTANT

Save all product packaging so that it is available if you need to transport your interactive flat panel. If your original packaging is not available, you can purchase new product packaging from your authorized SMART reseller (smarttech.com/where).

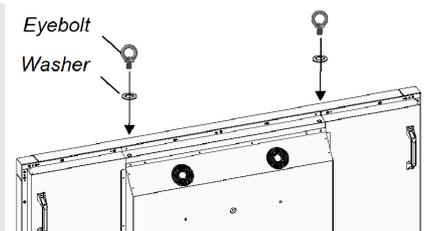
Important mounting considerations for trained installers

Consider the following when mounting the interactive flat panel on a wall:

- Attach the included M12 eyebolts and washers to assist in mounting, and remove them after you wall-mount the interactive flat panel.

WARNING

Do not attempt to mount or carry the interactive flat panel using your own strength because it could fall and cause personal injury. Attach a lifting device to the included M12 eyebolts to lift and carry the interactive flat panel.



CAUTION

Hand-tighten the M12 eyebolts. If you over-tighten the eyebolts and damage the threads, you will be unable to remove the eyebolts.

CHAPTER 1

Installing your interactive flat panel

- Plan your workflow to include cabling because some cable connection points might not be accessible after installation.

IMPORTANT

Attach the speakers and connect the speaker wires to the interactive flat panel before you wall-mount it. For more information, see *Installing the speakers* on page 8.

- To mount the interactive flat panel on a wall, you require a standard VESA 400 mm × 400 mm mounting plate (not included).
- Use M8 screws to fasten the wall bracket. The screws must be 14–15 mm long plus the thickness of the bracket and the washer.
- The recommended fasten force is 1125–1375 N·cm.
- Refer to the instructions included with the mounting equipment for more detailed information.

Choosing a mounting location

Consider the following when you select a location for the interactive flat panel:

- The wall must be strong enough to support the interactive flat panel and the mounting equipment. The interactive flat panel weighs 262 lb. (119 kg).
- Do not install the interactive flat panel in a location where a door or gate could hit it.
- Do not install the interactive flat panel in an area where it will be subjected to strong vibrations or dust.
- Do not install the interactive flat panel near where the main power supply enters the building.
- Ensure adequate ventilation or provide air conditioning around the interactive flat panel so that heat can flow away from the unit and the mounting equipment.
- If you mount the interactive flat panel in a recessed area, leave at least 4" (10 cm) of space between the interactive flat panel and the recess walls to enable ventilation and cooling.

Chapter 2

Connecting computers and peripheral devices

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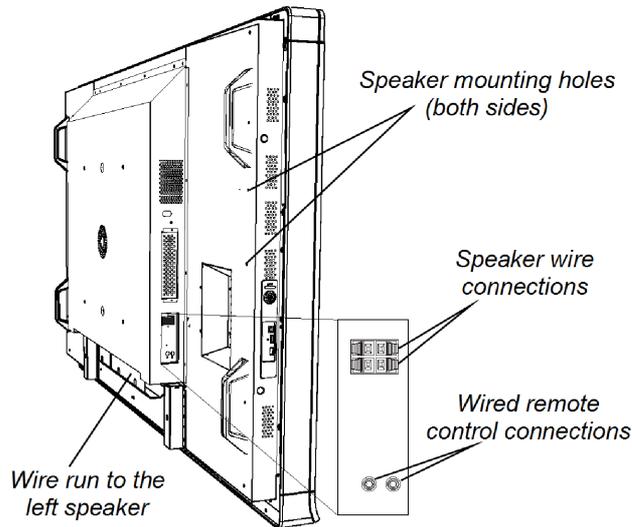
This chapter includes information on connecting your interactive flat panel to computers and other peripheral devices.

IMPORTANT

Because the cable connection points might not be accessible after wall-installation, consider connecting these devices while the interactive flat panel is suspended from the lifting device.

Installing the speakers

Your interactive flat panel comes with two 15 W speakers.



To install the speakers

1. Attach the speakers to the speaker mounting holes on the side of the interactive flat panel with the included screws.
2. Connect the speaker wires to the speaker wire connections.

IMPORTANT

Do not connect the speakers to the wired remote control 3.5 mm jacks. These are not audio connections. The remote control is disabled while anything is inserted into these jacks.

3. Run the speaker wire for the left speaker (when viewed from the back of the interactive flat panel) below the bottom terminal panel and secure it with the included small clamps.

Connecting a room control system

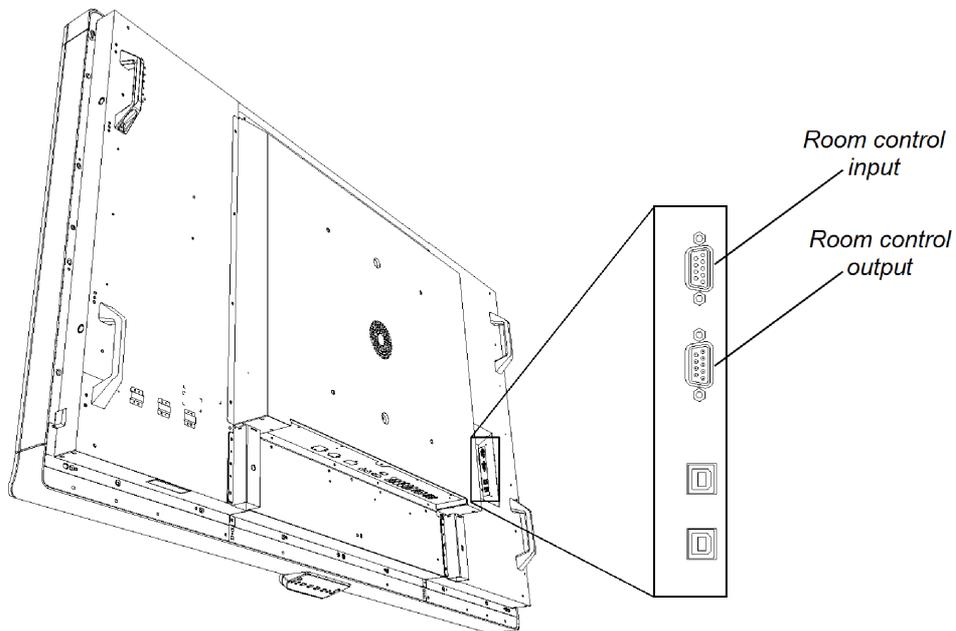
You can control your interactive flat panel from a room control system.

To connect your interactive flat panel to a room control system

Connect an RS-232 cable from the room control input on the inside connection panel of the interactive flat panel to the serial output on your computer or room control system.

IMPORTANT

Do not use a null modem cable.



For more information about setting up and programming an RS-232 connection, see *Remotely managing your SMART Board 8070i interactive flat panel* (smarttech.com/kb/160469).

Interactive flat panel USB and video connections

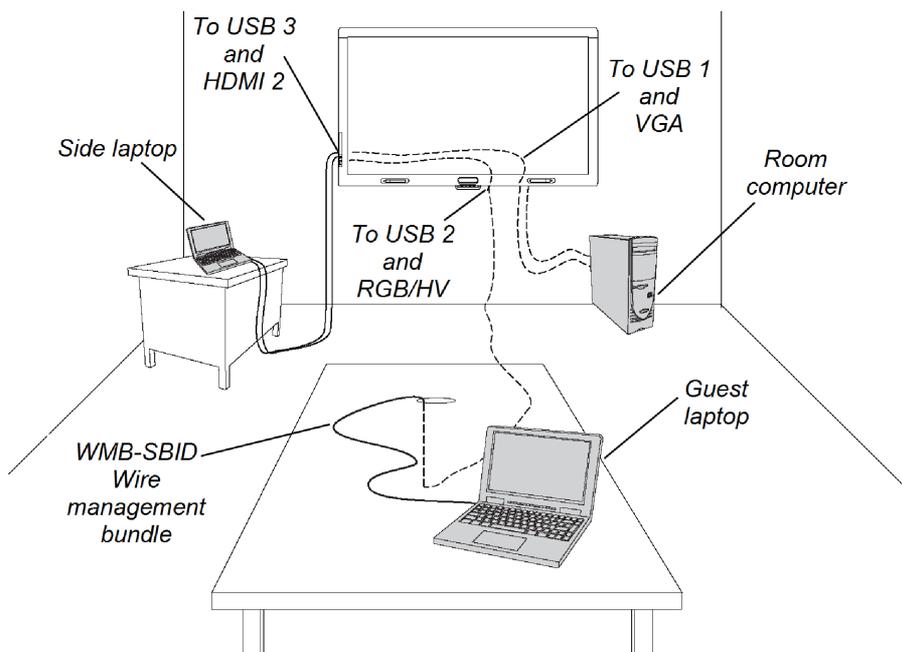
You can connect up to three computers simultaneously to your interactive flat panel:

- An installed room computer connected to USB 1 and the VGA connection
- An installed cable for the guest laptop connected to USB 2 and RGB/HV connection
- A side laptop connected to the USB 3 and HDMI 2 connection

i NOTE

This document describes the default USB and video connections. To customize the USB and video mapping, see *Configuring the video and touch input for your SMART Board 8070i flat panel* (smarttech.com/kb/170065).

The user's view of computer connection options

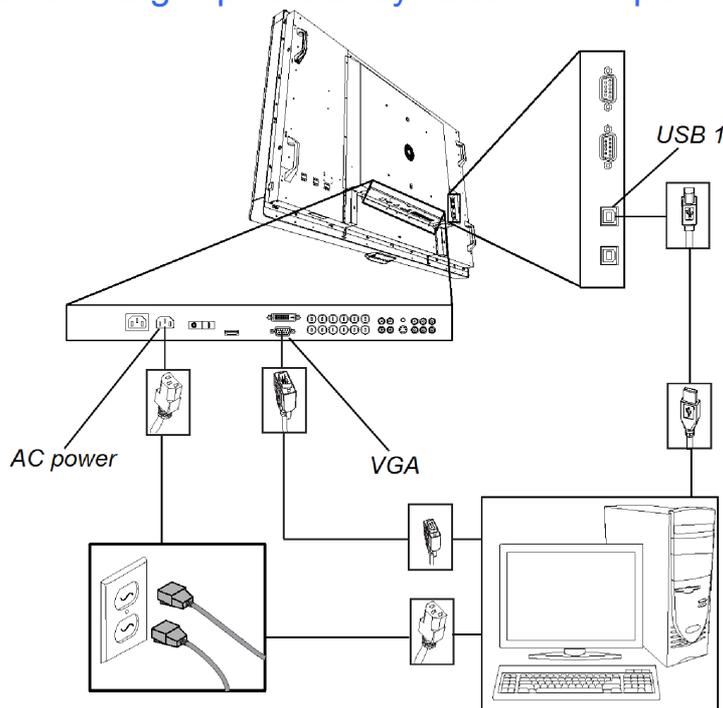


Connecting computers to your interactive flat panel

Connect video cables to the bottom terminal panel and connect USB cables to the inside terminal panel.

To further secure the video cables to the bottom terminal panel, use the included large clamps. You can also cover the bottom terminal panel with the bottom terminal cover and secure the cover with the included machine bolts.

Connecting to power and your room computer



■ To connect your interactive flat panel to power and your room computer

1. Connect the included VGA cable from your computer to the VGA connection on the bottom terminal panel.
2. Connect the included USB cable from the USB 1 receptacle on the inside terminal panel to a USB receptacle on the computer.
3. Connect the included power cable from the AC In connector on the bottom terminal panel to a power outlet.
4. Connect the power cable from your computer to a power outlet.
5. Turn on the main power switch on the bottom terminal panel, and then press the **Power button**  on the front control panel.

CHAPTER 2

Connecting computers and peripheral devices

6. Select the VGA input source by pressing the **VGA** button on the remote control.

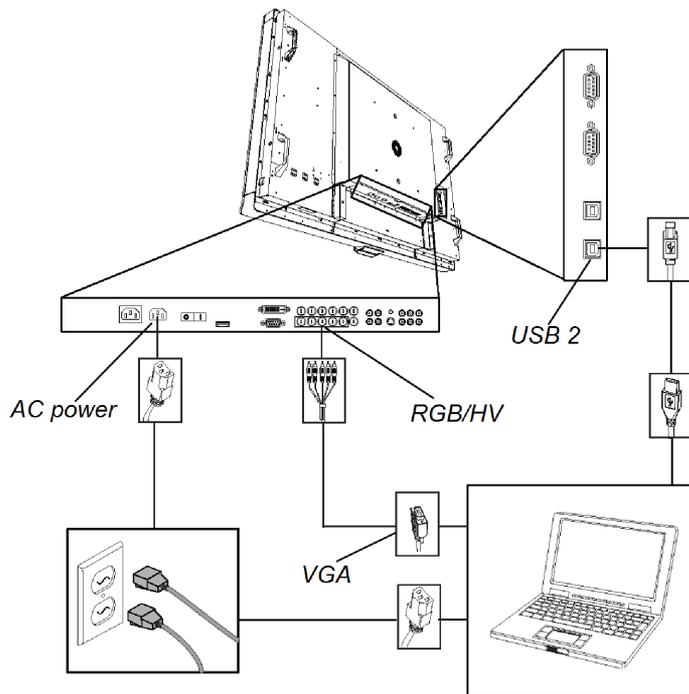
OR

Press the **Input button**  on the front control panel until the source is VGA.

7. Turn on your computer.

Setting up a guest laptop connection location

You can install cabling that enables you to connect a second computer to your interactive flat panel from another location in the room such as on a conference table. By setting up this connection location, you make use of connection points that might not be accessible when your interactive flat panel is wall-mounted.



You require a USB cable and a RGB/HV to VGA cable to set up the guest laptop connection location. You can purchase a wire bundle (WMB-SBID) that includes these two connectors from your authorized SMART reseller (smarttech.com/where). For ordering information see the interactive flat panel specifications document (smarttech.com/kb/155318).

WARNING

Ensure that any cables extending across the floor to your SMART product are properly bundled and marked to avoid a trip hazard.

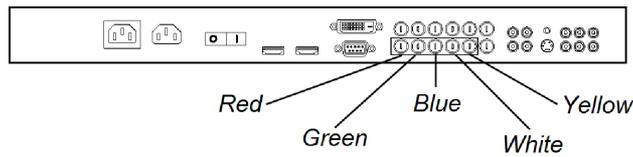
To set up a guest laptop connection location

1. Connect a USB cable to the USB 2 receptacle on the inside terminal panel, and then run the cable to the laptop connection location, such as a conference table.

CHAPTER 2

Connecting computers and peripheral devices

2. Connect a 5-BNC to VGA video cable to the RGB/HV interactive flat panel bottom terminal panel, and then run the VGA end of the cable to the remote connection location as above.



3. Bundle and cover the cables as appropriate to avoid a trip hazard.

■ To connect a laptop to the guest laptop connection location

1. Place the laptop beside the end of the wire bundle at the guest laptop connection location.
2. Connect the USB cable to a USB receptacle on the computer.
3. Connect the VGA cable to the laptop.
4. Turn on the laptop.
5. Select the **RGB/HV** input source by pressing the **RGB/HV** button on the remote control.

OR

Press the **Input button**  on the front control panel until the source is RGB/HV.

■ To return to using the room computer

Select the VGA input source by pressing the **VGA** button on the remote control.

OR

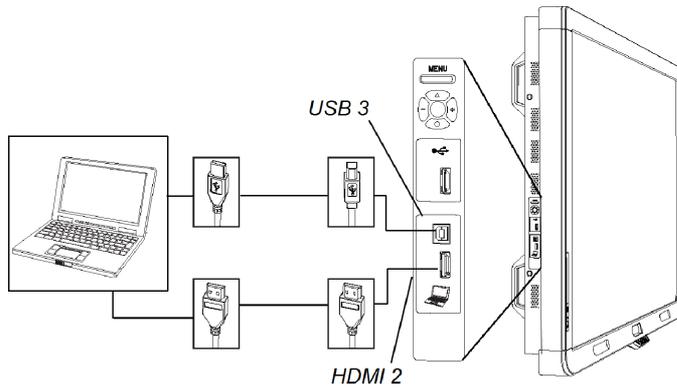
Press the **Input button**  on the front control panel until the source is VGA.

CHAPTER 2

Connecting computers and peripheral devices

Connecting a side laptop

You can connect a guest laptop to the side terminal panel of the interactive flat panel. This enables you to have touch control of the computer's desktop from the interactive flat panel.



To connect a side laptop

1. Connect an HDMI cable from the laptop to the side terminal panel.
2. Connect a USB cable from the laptop to the side terminal panel.

IMPORTANT

The USB A receptacle is for USB drives only. Do not connect the laptop to this receptacle.

3. Turn on the laptop.
4. Select the HDMI 2 input source by pressing the **HDMI** button twice on the remote control.

OR

Press the **Input button**  on the front control panel until the source is HDMI 2.

To return to using the room computer

Select the VGA input source by pressing the **VGA** button on the remote control.

OR

Press the **Input button** on the front control panel until the source is VGA.

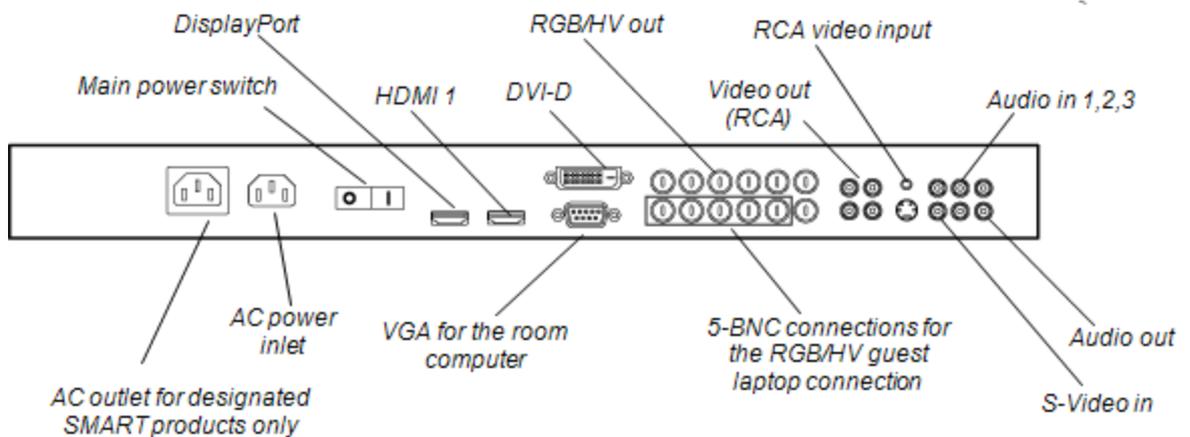
Connecting peripheral devices to your interactive flat panel

Connect peripheral devices to the bottom terminal panel.

CAUTION

The AC power outlet is designated for a component of the SMART Board 8070ie interactive flat panel with appliance. Use this power outlet only as instructed by that product's documentation.

Bottom terminal panel



To connect a peripheral device

1. Turn off the interactive flat panel and the peripheral device.
2. Connect the peripheral device's input cables to the appropriate connectors on the bottom terminal panel.

NOTE

You can secure these cables with the included large clamps.

3. Turn on the interactive flat panel, and then turn on the peripheral device.

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Installing SMART software

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You need to install SMART software on the computer that's connected to your interactive flat panel in order to use the interactive flat panel.

With SMART Board 8070i-SMP , you can download SMART Meeting Pro™ software from smarttech.com/downloads. For more information about installing SMART Meeting Pro software, see *Installing SMART Meeting Pro software* on the next page. SMART Board 8070i-SMP interactive flat panels also include a SMART GoWire cable that provides the features of SMART Meeting Pro software without installing the software on your computer. For more information about using the SMART GoWire cable, see *Using a SMART GoWire cable* on the next page.

SMART Board 8070i interactive flat panels include a SMART Notebook software DVD. For more information about installing SMART Notebook software, see *Installing SMART Notebook software* on page 20.

Once you install SMART Notebook software or SMART Meeting Pro software on the computer that's connected to your interactive flat panel, you have touch control of that computer's desktop. You can open files, move icons, write digital ink using the included pens and erase digital ink using the included eraser.

Using your interactive flat panel

Once you install SMART software on your computer, you have touch control of the desktop that's displayed on the interactive flat panel. You can open files, move icons, write and erase digital ink using the included pens and erase digital ink using the included eraser.

If you are unable to complete these actions, see the *SMART Board 8070i Interactive Flat Panel User's Guide* (smarttech.com/kb/155317) for more troubleshooting information.

Installing SMART Meeting Pro software

You can download and install SMART Meeting Pro software from the SMART website.

This software requires a computer with a Windows® operating system. For a complete list of SMART Meeting Pro software system requirements, see the *SMART Meeting Pro software release notes* available from smarttech.com/downloads.

IMPORTANT

Connect to the Internet before you install SMART software so that you can obtain a software product key and download software updates from smarttech.com/registration.

To download SMART Meeting Pro software

1. Go to smarttech.com/downloads.
2. Click the **SMART Meeting Pro software** link.
3. Click **Download**.
4. Follow the on-screen instructions to save the executable file to your desktop.

To install SMART Meeting Pro software

1. Double-click the executable file.
2. Follow the on-screen instructions. You'll be prompted to enter your product key.
3. Click the **SMART Meeting Pro** icon  in the notification area, and then select **SMART Settings > About Software and Product Support > Tools > Check for Updates and Activation**.

The *SMART Product Update* window appears.

4. Follow the on-screen instructions to update your SMART Meeting Pro software to the latest version.

Using a SMART GoWire cable

Any computer connected to your interactive flat panel requires SMART software. Typically, you install this software on your room computer so that it's always ready to use.

However, if you want to connect a laptop that doesn't have SMART software installed, you can connect a SMART GoWire cable from the laptop to the touch-control USB cable for your interactive flat panel. The auto-launch cable enables you to have touch control of your laptop and use SMART Meeting Pro software without installing the software on your laptop.

CHAPTER 3

Installing SMART software

SMART Board 8070i-SMP interactive flat panels include a SMART GoWire cable. Additional SMART GoWire cables can be purchased from your authorized SMART reseller (smarttech.com/where).

IMPORTANT

Your interactive flat panel supports the SMART GoWire cable with SMART Meeting Pro software only. It does not support the SMART GoWire cable with SMART Notebook software.

To use a SMART GoWire cable

1. Connect a video cable from your interactive flat panel to your laptop.
2. Connect the USB cable from the touch-control USB connection on your interactive flat panel to your laptop.
3. Change the video input to your laptop's video connection using the remote control input button or the front control panel input button.
4. Connect a USB cable from your laptop to the auto-launch cable's USB A receiver.

IMPORTANT

If the SMART GoWire cable is not connected to your interactive flat panel through a USB cable, you have access to SMART Meeting Pro software on your laptop for five minutes, and then the software closes.

5. Connect the auto launch cable's USB A connector to a USB receptacle on your laptop. The *AutoPlay* dialog box appears.
6. Select **Start SMART Meeting Pro** in the *AutoPlay* dialog box.

SMART Meeting Pro software starts. You have touch control of your laptop on your interactive flat panel and can use SMART Meeting Pro software while your laptop is connected to your interactive flat panel.

To disconnect a SMART GoWire cable

1. Save your SMART Meeting Pro software file to your laptop, if required. You can save the file as a .ppt, .pdf or .notebook file.

IMPORTANT

You can only open a .notebook file on a computer that has SMART Meeting Pro software or SMART Notebook software installed or that is connected to a SMART product through a SMART GoWire cable.

2. Press the SMART Meeting Pro icon in the notification area, and then select **Exit**.
3. Disconnect the SMART GoWire cable from your laptop and the USB cable for your interactive flat panel.

Installing SMART Notebook software

Install SMART Notebook software from the included DVD (SMART Board 8070i interactive flat panels only).

IMPORTANT

Connect to the Internet before you install SMART software so that you can obtain a software product key (smarttech.com/registration) and download software updates.

To install SMART Notebook software

1. Place the included installation DVD in your computer's DVD tray.
The installation wizard appears.
2. Follow the on-screen instructions. You'll be prompted to enter your product key. You can register your interactive flat panel to receive your product key at smarttech.com/registration.
3. Click the **SMART Board** icon  in the notification area (Windows operating systems) or the Dock (Mac OS operating system software), and then select **Check for Updates and Activation**.
The *SMART Product Update* window appears.
4. Follow the on-screen instructions to update your SMART Notebook software to the latest version.

Appendix A

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 regulations (WEEE directive)

Waste Electrical and Electronic Equipment regulations apply to all electrical and electronic equipment sold within the European Union.

When you dispose of any electrical or electronic equipment, including SMART Technologies products, we strongly encourage you to properly recycle the electronic product when it has reached the end of its life. If you require further information, please contact your reseller or SMART Technologies for information on which recycling agency to contact.

Restriction of Certain Hazardous Substances (RoHS directive)

This product meets the requirements of the European Union's Restriction of Certain Hazardous Substances (RoHS) directive 2002/95/EC.

Consequently, this product also complies with other regulations that have arisen in various geographical areas, and that reference the European Union's RoHS directive.

Batteries

Batteries are regulated in many countries. Check with your reseller to find out how to recycle used batteries.

APPENDIX A

Hardware environmental compliance

There are special regulations that must be met when shipping a product that has a lithium ion battery packaged with the product or shipping a lithium ion battery. When returning a SMART Technologies product which contains a lithium ion battery or returning a lithium ion battery, call SMART Technologies RMA for information on the special shipping regulations.

- 1.866.518.6791, Option 4 (U.S./Canada)
- 1.403.228.5940 (all other countries)

Packaging

Many countries have regulations restricting the use of certain heavy metals in product packaging. The packaging used by SMART Technologies to ship products complies with applicable packaging laws.

Covered electronic devices

Many U.S. states classify monitors as covered electronic devices and regulate their disposal. Applicable SMART Technologies products meet the requirements of the covered electronic devices regulations.

China's Electronic Information Products regulations

China regulates products that are classified as EIP (Electronic Information Products). SMART Technologies products fall under this classification and meet the requirements for China's EIP regulations.

SMART Technologies

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