

# Firmware Update and User's Guide

**SMART Board™ 600i Series  
Interactive Whiteboard System**

**SMART**  
Technologies

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Patent No. US5448263; US6141000; US6326954; US6337681; US6540366; US6741267; US6747636; US7,151,533; US7289113; and CA2058219. Other patents pending.

06/2008

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# About the Firmware

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This chapter introduces the latest version of firmware for the Unifi 35 projector. This version includes several enhancements that bring the SMART Board™ 600i interactive whiteboard system's feature set in line with that of the new SMART Hub SE240.

- *Whiteboard* (this page)
- *Bridgit Conferencing Software* (this page)
- *Computer and Video Source Inputs* (this page)
- *Configuration* (page 2)
- *Version Comparison* (page 3)

## Whiteboard

Whiteboard (formerly ScratchPad interactive whiteboarding application) captures notes and drawings in digital ink on your 600i interactive whiteboard system without a computer.

Use Whiteboard for brainstorming, note taking and other activities for which you want to use your interactive whiteboard system's digital ink tools without connecting to a computer.

In addition to saving Whiteboard files to a USB storage device, you can also send them in e-mail messages.

## Bridgit Conferencing Software

If you have access to a Bridgit software server, you can use the collaboration features included in the latest version of the firmware to collaborate with others through conferences.

Bridgit conferencing software allows you to create conferences or join conferences. While in a conference, you can:

- share your display
- view other participants' displays
- communicate with others through chat
- use other features of the firmware, including Whiteboard and computer and video source connections to present information or otherwise participate in the conference

## Computer and Video Source Inputs

Like previous versions of the firmware, the latest version allows you to connect computers and video sources, such as DVD players and VCRs, to your 600i interactive whiteboard system and view their outputs on the projected images. You can then write digital ink notes, temporarily freeze the display, and take screen captures to include in Whiteboard files.

In addition, the latest version of the firmware introduces support for LinQ software. LinQ software allows you to view output from computers on the same subnet as the 600i interactive whiteboard system without having to connect those computers directly. Connect the LinQ software client computers to the subnet wirelessly or through a network cable.

## Configuration

The latest version of the firmware enhances the *Unifi 35 Settings* dialog box to include basic networking, SMTP and SNMP configuration settings, the ability to export configuration settings from one 600i interactive whiteboard system and then import them to other 600i interactive whiteboard systems, and the ability to password protect configuration settings.

In addition, the latest version includes the following configuration settings:

- display and other basic firmware settings
- projector settings
- RS-232 room control support

## Version Comparison

The following table compares the features of the latest version of the firmware to those of previous versions.

Feature	Previous Versions	Latest Version
Whiteboard		
• Write and erase digital ink notes in Whiteboard	✓	✓
• Save Whiteboard files to a USB storage device	✓	✓
• Send Whiteboard files to an e-mail address		✓
Bridgit conferencing software		
• Create conferences		✓
• Join conferences		✓
• Share your display		✓
• View other participants' displays		✓
• Communicate with others through chat		✓
• Work with Whiteboard and computer and video source connections during a conference		✓
Computer and video source inputs		
• View input of locally connected computers and video sources	✓	✓
• View input of LinQ software client computers		✓
• Write digital ink notes on the display	✓	✓
• Freeze the display	✓	✓
• Take a screen capture of the display	✓	✓
Configuration		
• Configure display and other basic firmware settings	✓	✓
• Configure computer and video source input settings	✓	✓
• Configure basic networking, SMTP and SNMP settings		✓
• Configure projector settings	✓	✓
• Use RS-232 room control support	✓	✓
• Secure configuration settings with a password		✓
• Import and export configuration settings		✓



# Updating the Firmware

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This chapter explains how to download and install the update to the SMART Board 600i interactive whiteboard system firmware.

## Updating the Firmware through a Computer

Updating the firmware through a computer involves:

1. installing the Unifi 35 projector updater
2. connecting the Unifi 35 projector to the computer
3. updating the firmware

**NOTE:** You need a Windows computer with Internet access that you can connect to the Unifi 35 projector through a USB cable. The computer must have a monitor or be a laptop so that you can view and interact with the wizards during the update process.

### To install the Unifi 35 projector updater

1. In your browser, go to [www.smarttech.com/600ifirmware](http://www.smarttech.com/600ifirmware).
2. Click **Download**, and then follow the on-screen instructions.
3. After the file finishes downloading, open it.

The *Unifi Update* wizard appears.



4. Click **Next**.
5. Select the **I accept the terms in the license agreement** option, and then click **Next**.
6. Click **Next**.

7. Click **Install**.

The wizard installs the updater in the default destination folder. This may take several minutes.

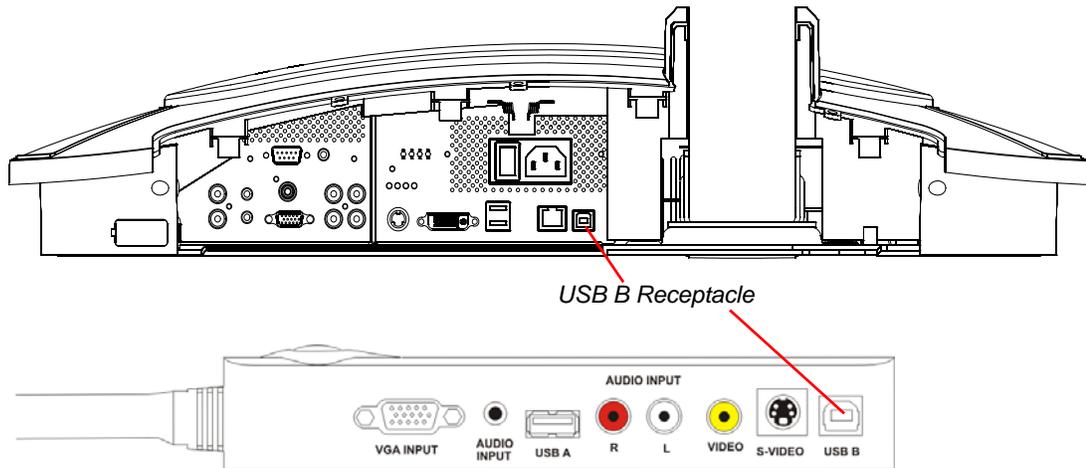
8. Click **Finish**.

The *Unifi Update* wizard closes.

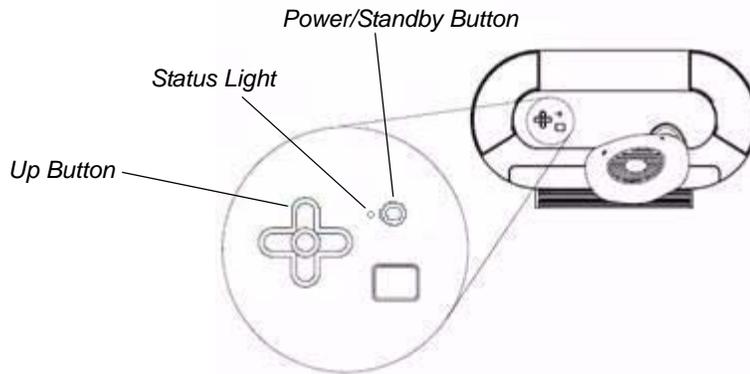
You've installed the updater for the latest firmware version on your computer.

### To connect the Unifi 35 projector to the computer

1. Connect the 5' 11" (1.8 m) USB cable provided by SMART Technologies from the USB B receptacle on the Unifi 35 projector or the Extended Connection Panel (ECP) to your computer.



2. Press and hold the Unifi 35 projector's **Up** button, and then press and hold the **Power/Standby** button.



The status light blinks amber rapidly.

The *Found New Hardware* wizard appears.



3. Select the **No, not this time** option, and then click **Next**.
4. Select the **Install the software automatically** option, and then click **Next**.

The *Hardware Installation* window appears.



5. Click **Continue Anyway**.
6. Click **Finish**.

The *Found New Hardware* wizard closes.

You've connected the Unifi 35 projector to the computer.

**NOTE:** You only need to complete the new hardware installation procedure once.

## To update the firmware

1. In Windows Explorer, browse to **C:\Program Files\Unifi Update Wizard**, and then double-click **Unifi x.x.x.x-Updater.exe**, where **x.x.x.x** is the current version of the firmware.

The *Unifi Projector Update* wizard appears.



2. Click **Next**.
3. If you haven't done so already, connect the 5' 11" (1.8 m) USB cable provided by SMART Technologies from the USB B receptacle on the Unifi 35 projector or the ECP to your computer as documented on page 6.
4. Click **Next**.
5. Select the **Yes** option, and then click **Next**.  
The wizard updates the firmware.  
**NOTE:** This may take several minutes.
6. Press **Next**.
7. Click **Finish**.  
The *Unifi Projector Update* wizard closes.
8. Reset the 600i interactive whiteboard system by unplugging the Unifi 35 projector.
9. Press and hold the **Power/Standby** button.
10. Plug in the Unifi 35 projector and continue holding the **Power/Standby** button until the status light flashes amber.

You've updated the firmware to the latest version.

# Configuring the Firmware

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This chapter explains how to configure the firmware after the update. It includes information on connecting the SMART Board 600i interactive whiteboard system to computers, video sources and a network.

- *Orienting Your SMART Board 600i Interactive Whiteboard System* (this page)
- *Configuring Multiple SMART Board 600i Interactive Whiteboard Systems* (page 11)
- *Securing Configuration Settings* (page 14)
- *Connecting Computers to the SMART Board 600i Interactive Whiteboard System* (page 16)
- *Connecting Video Sources to the SMART Board 600i Interactive Whiteboard System* (page 19)
- *Configuring the Display Settings* (page 22)
- *Configuring Networking and Conferencing Settings* (page 24)
- *Configuring Room Control Settings* (page 30)
- *Configuring Unifi 35 Projector Settings* (page 39)

## **Orienting Your SMART Board 600i Interactive Whiteboard System**

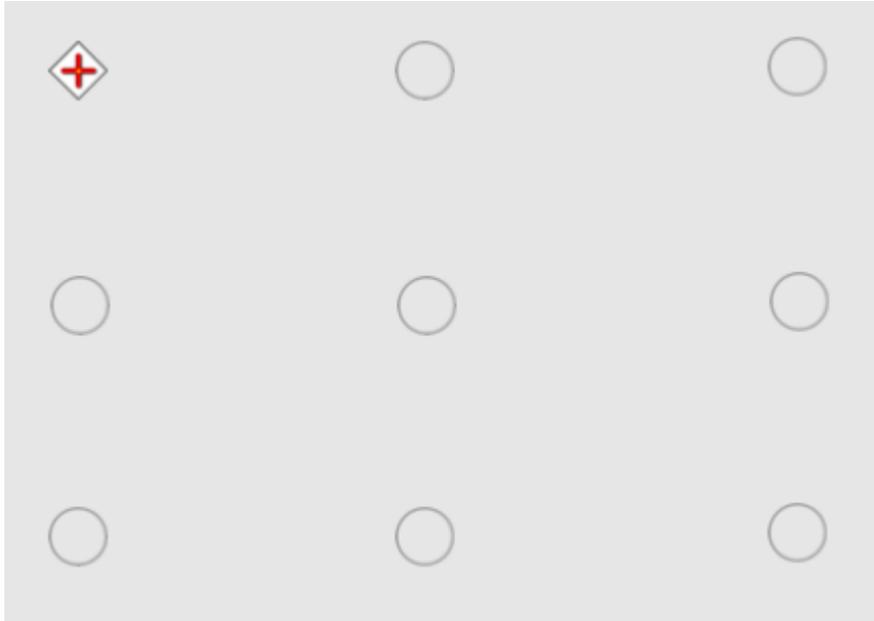
When your 600i interactive whiteboard system uses its default orientation data, the touch point on the screen corresponds to the projected image, provided the projected image fills the entire interactive screen. However, the projected touch point might be offset from the actual touch point in some situations. Resolve this problem by orienting the interactive whiteboard.

Complete a 9-point orientation using the firmware. The orientation data saves to your SMART Board interactive whiteboard's flash memory. Therefore, the orientation data remains the same when you connect different computers and video sources to the 600i interactive whiteboard system.

If a computer with Notebook™ software is connected to the Unifi 35 projector or Extended Connection Panel, you can complete a 4-, 9-, 12- or 20-point orientation using Notebook software. If you complete such an orientation, the orientation data saves to the computer rather than your SMART Board interactive whiteboard's flash memory. Therefore, the orientation data changes when you connect different computers and video sources.

### To orient your SMART Board 600i interactive whiteboard system using the firmware

1. Press **Menu**, and then press **Orient**.  
OR  
Press both pen tray buttons simultaneously.
2. Press **Orient**.  
The orientation screen appears.



3. Using a pen from the pen tray, press and release the center of the first target.
4. Repeat step 3 for each target.  
The orientation data saves to the 600i interactive whiteboard system's flash memory.  
You've oriented your 600i interactive whiteboard system.

### To orient your SMART Board 600i interactive whiteboard system using Notebook software

1. Connect the computer (with Notebook software installed) to the Unifi 35 projector or extended connection panel.
2. Open Notebook software's Welcome Center and press **Orient**.  
OR  
Open Notebook software's Control Panel and press **Orient/Align the SMART Board**.  
OR  
Press both pen tray buttons simultaneously.  
The orientation screen appears.

3. Using a pen from the pen tray, press and release the center of the first target.
4. Repeat step 3 for each target.

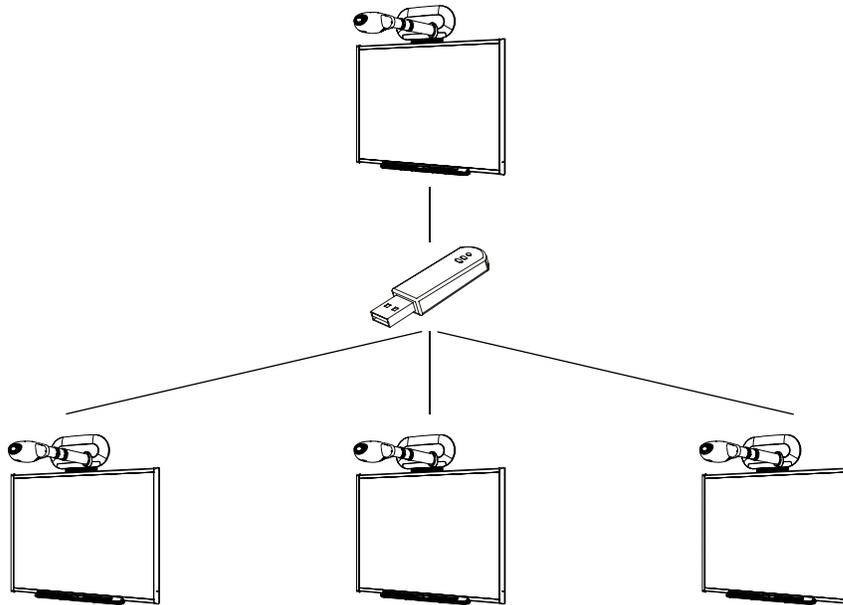
The orientation data saves to Notebook software.

You've oriented your 600i interactive whiteboard system.

**NOTE:** For more information on orienting your 600i interactive whiteboard system using Notebook software, see [Notebook software online Help](#).

## Configuring Multiple SMART Board 600i Interactive Whiteboard Systems

If you have more than one 600i interactive whiteboard system, you don't have to configure each system separately. Instead, configure one system, export the configuration settings to a USB storage device, and then import the configuration settings to the other systems.



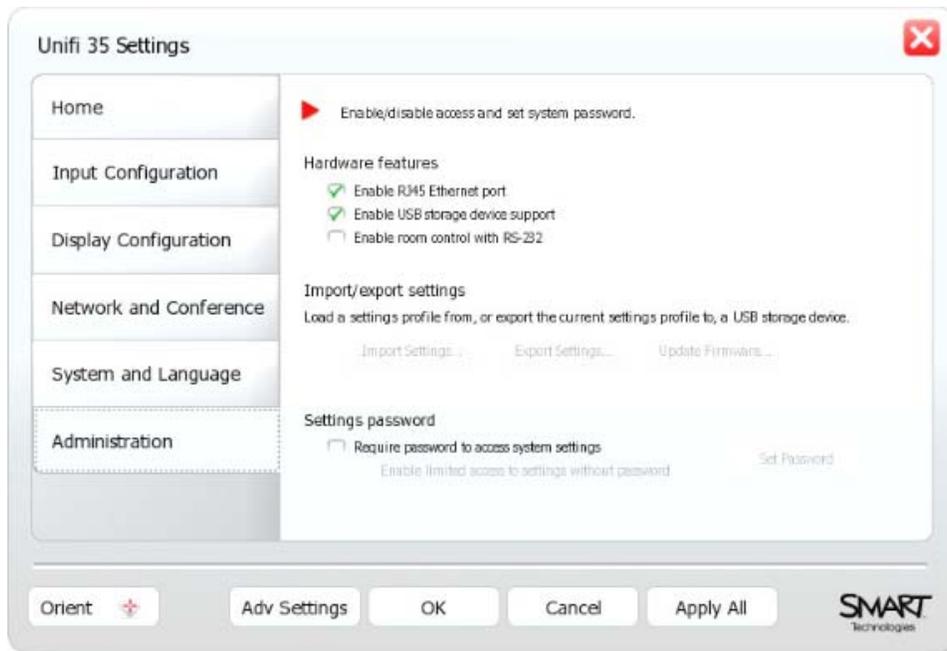
**NOTE:** The export process doesn't include orientation data on the USB storage device.

### To export configuration settings to a USB storage device

1. Connect a USB storage device to the Unifi 35 projector or Extended Connection Panel.
2. Press **Menu**.  
The Welcome Center appears.
3. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
4. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.

**NOTE:** For information on the configuration settings password, see page 14.

5. Press **Administration**.



6. Ensure the **Enable USB storage device support** check box is selected.

7. Press **Export Settings**.

The *Settings* dialog box appears.



8. Select the **Unifi 35 system settings** check box to export configuration settings and the **E-mail Contacts** check box to export contacts.

9. Press **OK**.

The *Settings* dialog box appears.



10. Press **OK**.

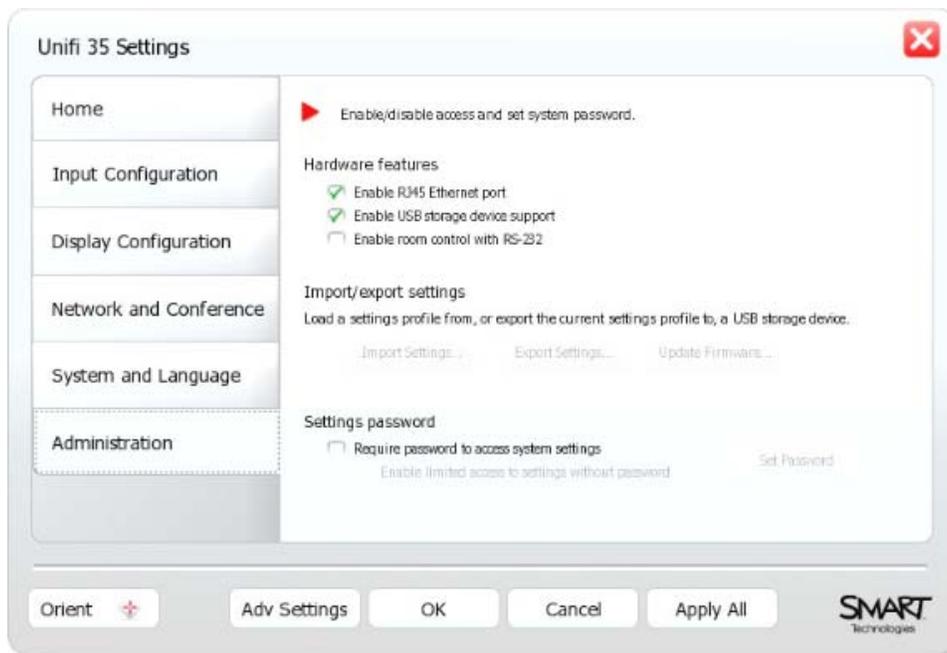
You've exported the configuration settings from one 600i interactive whiteboard system to a USB storage device. You can now import those configuration settings to other 600i interactive whiteboard systems.

## To import configuration settings from a USB storage device

1. Connect the USB storage device to the Unifi 35 projector or Extended Connection Panel.
2. Press **Menu**.  
The Welcome Center appears.
3. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
4. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.

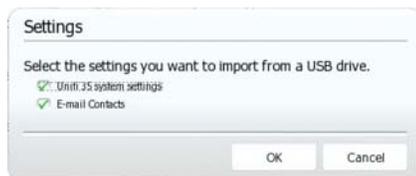
**NOTE:** For information on the configuration settings password, see page 14.

5. Press **Administration**.



6. Ensure the **Enable USB storage device support** check box is selected.
7. Press **Import Settings**.

The *Settings* dialog box appears.



8. Select the **Unifi 35 system settings** check box to import configuration settings and the **E-mail Contacts** check box to import contacts.

9. Press **OK**.

The *Settings* dialog box appears.



10. Press **Restart** to end the current session and turn off the projector.
11. After a six-minute cool-down period, turn on the projector.

You've imported configuration settings from a USB storage device to a 600i interactive whiteboard system.

## Securing Configuration Settings

You can assign a password to the configuration settings. Users must enter this password to change the configuration settings.

### TIP

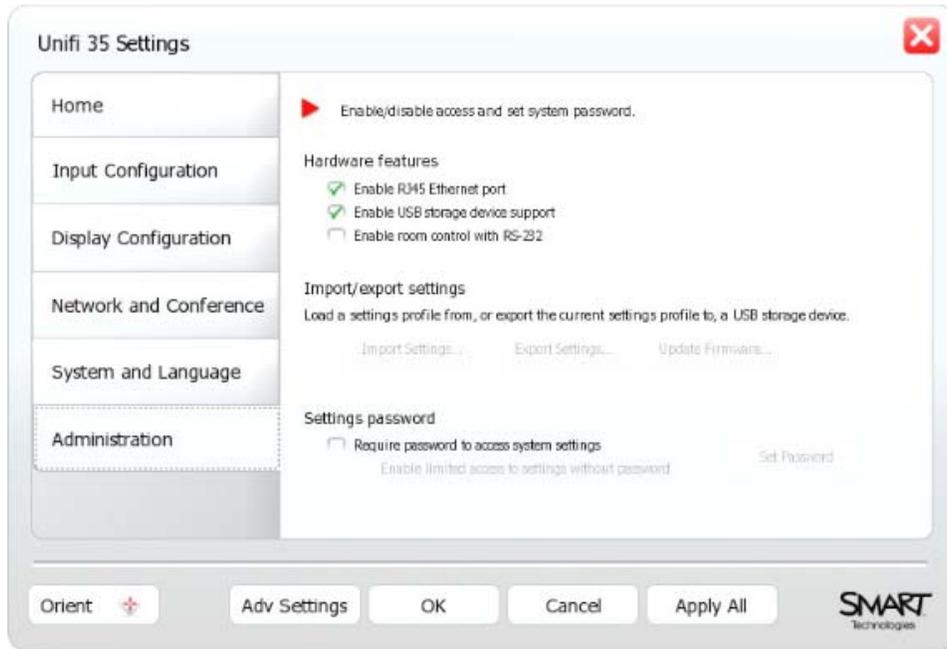


If you forget the password, contact [SMART Technical Support](#).

### To secure configuration settings

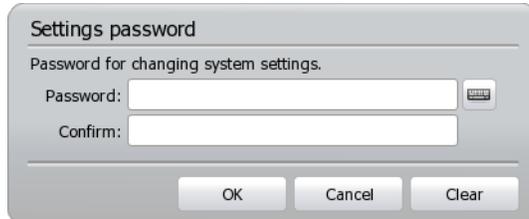
1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.

3. Press **Administration**.



4. Select the **Require password to access system settings** check box to require users to enter a password to change the configuration settings.

The *Settings password* dialog box appears.



**NOTE:** If the **Require password to access system settings** check box was previously selected, press **Set Password** to open the *Settings Administrator Password* dialog box.

5. Type the password in the **Password** and **Confirm** boxes.
6. Press **OK**.
7. Select the **Enable limited access to settings without password** check box to allow users to change the display settings (see page 22) and language settings (see page 37) but no other settings.
8. Press **Apply All**.

You've secured the configuration settings.

## Connecting Computers to the SMART Board 600i Interactive Whiteboard System

You can connect two computers to the 600i interactive whiteboard system.

**NOTE:** You can connect additional computers to the 600i interactive whiteboard system through LinQ software (see page 28).

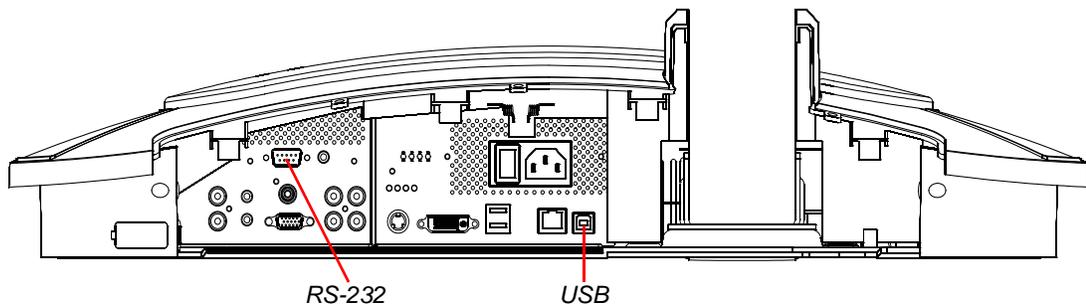
After connecting a computer to the 600i interactive whiteboard system, you can view its input on the display and do the following:

- Draw digital ink notes.
- Freeze the display.
- Take screen captures.
- Use the on-screen keyboard and right-click features of the firmware.

For more information, see page 71.

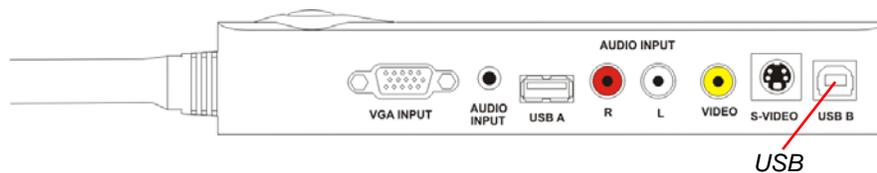
### To connect a computer

1. Connect the SMART Board interactive whiteboard input using the USB B or RS-232 connectors on the Unifi 35 projector.

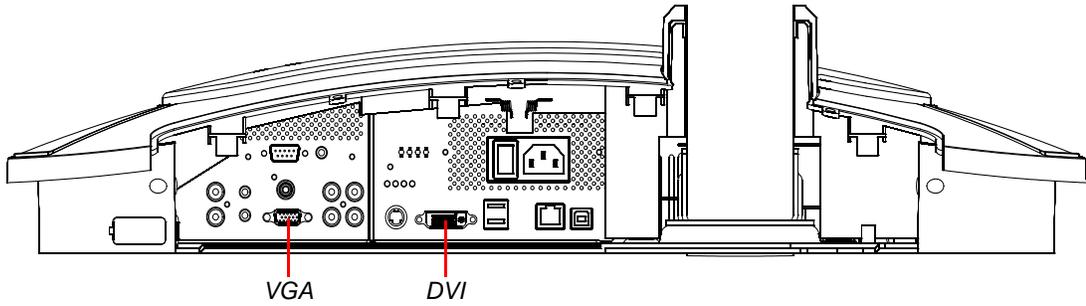


OR

Use the USB B connector on the ECP.

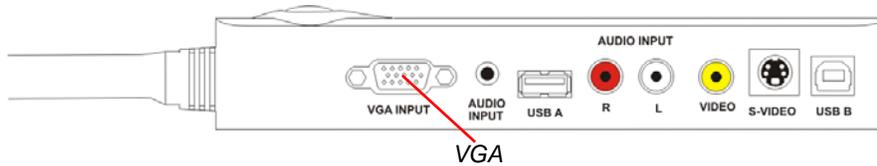


2. Connect the video input using the VGA or DVI connectors on the Unifi 35 projector.

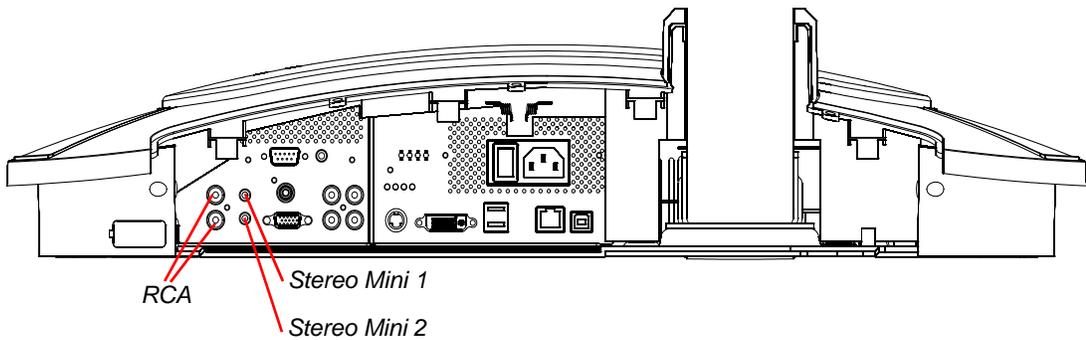


OR

Use the VGA connector on the ECP.

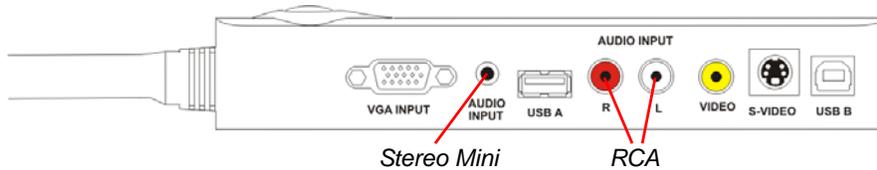


3. Connect the audio input using the RCA or Stereo Mini connectors on the Unifi 35 projector.



OR

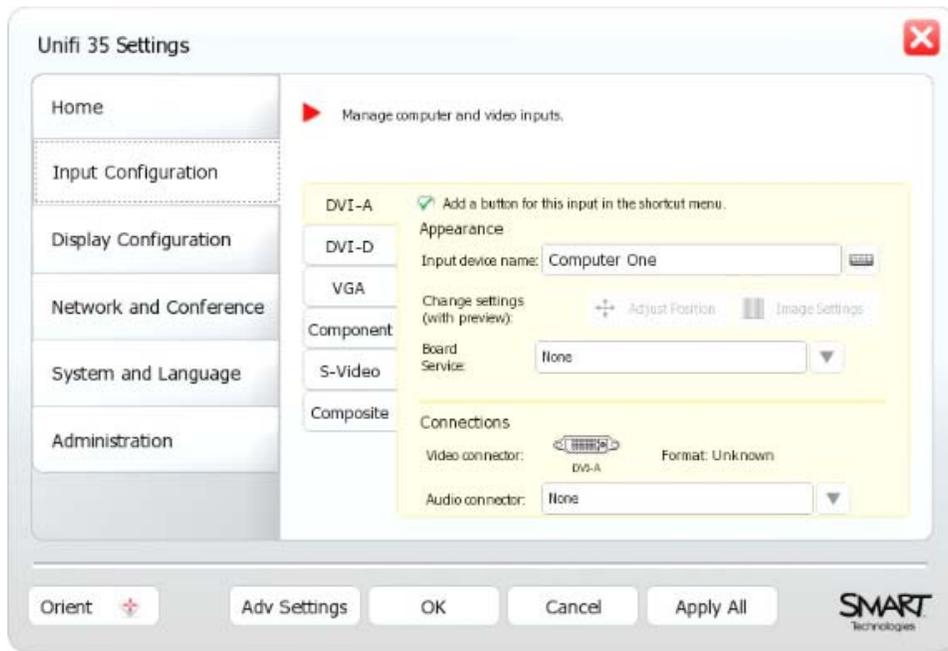
Use the RCA or Stereo Mini connectors on the ECP.



You've connected a computer to the 600i interactive whiteboard system.

## To configure the firmware for the computer

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
4. Press **Input Configuration**.



5. Press one of the following:
  - **DVI-A**
  - **DVI-D**
  - **VGA**
6. If you want to remove the button for the computer input from the shortcut menu, clear the **Add a button for this input in the shortcut menu** check box.  
**NOTE:** For information on the shortcut menu, see page 46.
7. In the **Input device name** box, type a name for the computer.
8. In the **Board Service** list, select the appropriate SMART Board interactive whiteboard connector:
  - **USB**
  - **RS232**

9. In the **Audio Connector** list, select the appropriate audio connector:

- **RCA**
- **Stereo Mini 1**
- **Stereo Mini 2**

10. Press **Apply All**.

You've configured the firmware for the computer.

## Connecting Video Sources to the SMART Board 600i Interactive Whiteboard System

You can connect up to three video sources to the 600i interactive whiteboard system. Video sources include DVD players, VCRs and similar devices.

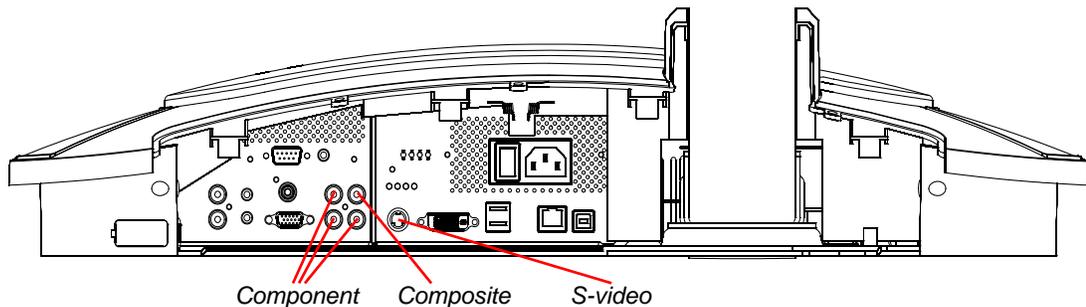
After connecting a video source to the 600i interactive whiteboard system, you can view its input on your SMART product's interactive screen and do the following:

- Draw digital ink notes.
- Freeze the display.
- Take screen captures.

For more information, see page 71.

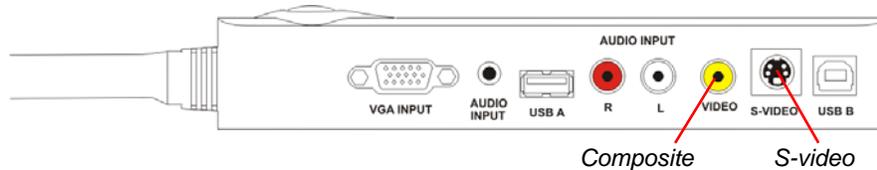
### To connect a video source

1. Connect the video input using the component, composite or S-video connectors on the Unifi 35 projector.

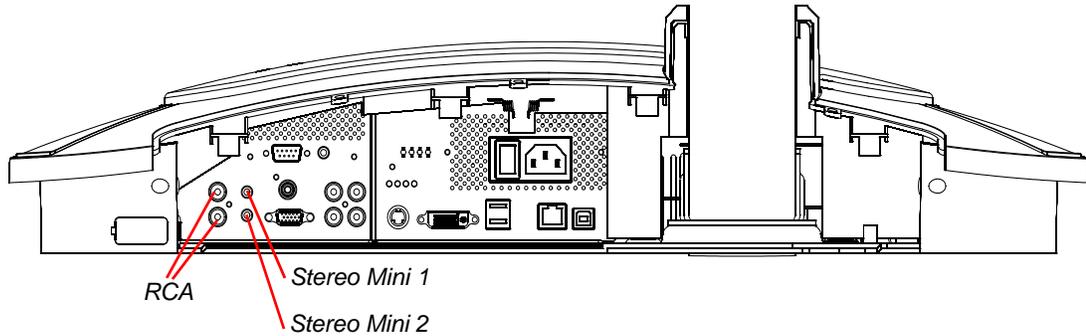


OR

Use the composite or S-video connectors on the ECP.

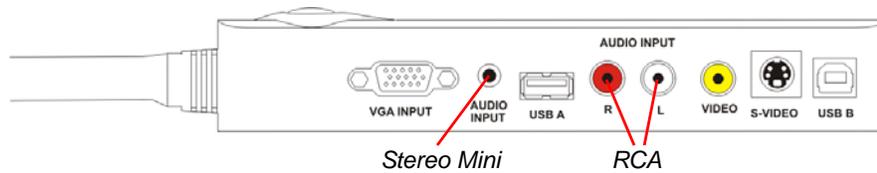


2. Connect the audio input using the RCA or Stereo Mini connectors on the Unifi 35 projector.



OR

Use the RCA or Stereo Mini connectors on the ECP.



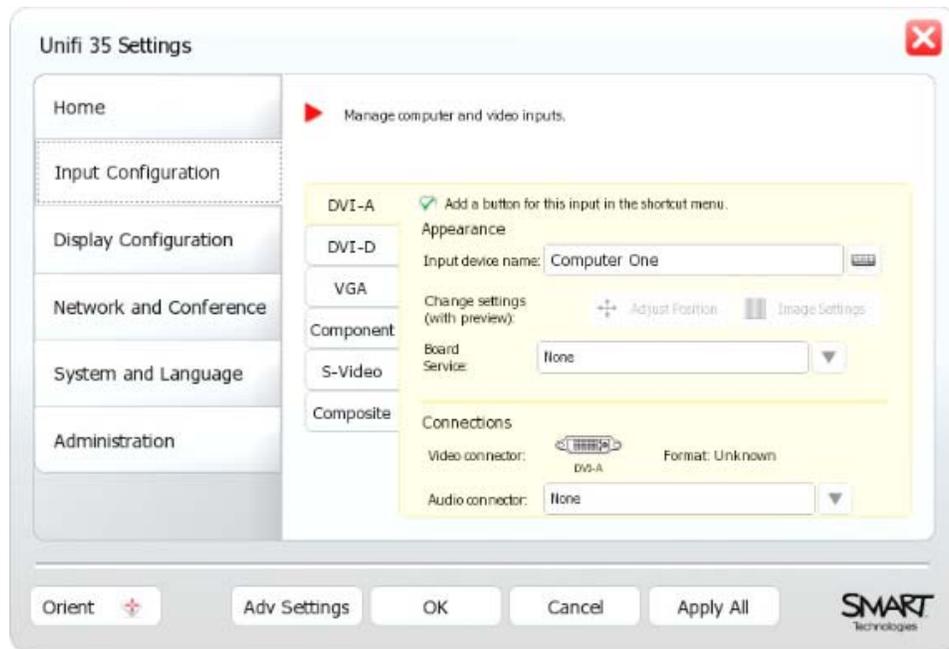
You've connected a video source to the 600i interactive whiteboard system.

### To configure the firmware for the video source

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.

**NOTE:** For information on the configuration settings password, see page 14.

4. Press **Input Configuration**.



5. Press the appropriate tab:

- **Component**
- **S-Video**
- **Composite**

6. If desired, clear the **Add a button for this input in the shortcut menu** check box to remove the button for the video source input from the shortcut menu.

**NOTE:** For information on the shortcut menu, see page 46.

7. In the **Input device name** box, type a name for the video source.

8. In the **Board Service** list, select **None**.

9. In the **Audio Connector** list, select the appropriate audio connector:

- **RCA**
- **Stereo Mini 1**
- **Stereo Mini 2**

10. Press **Apply All**.

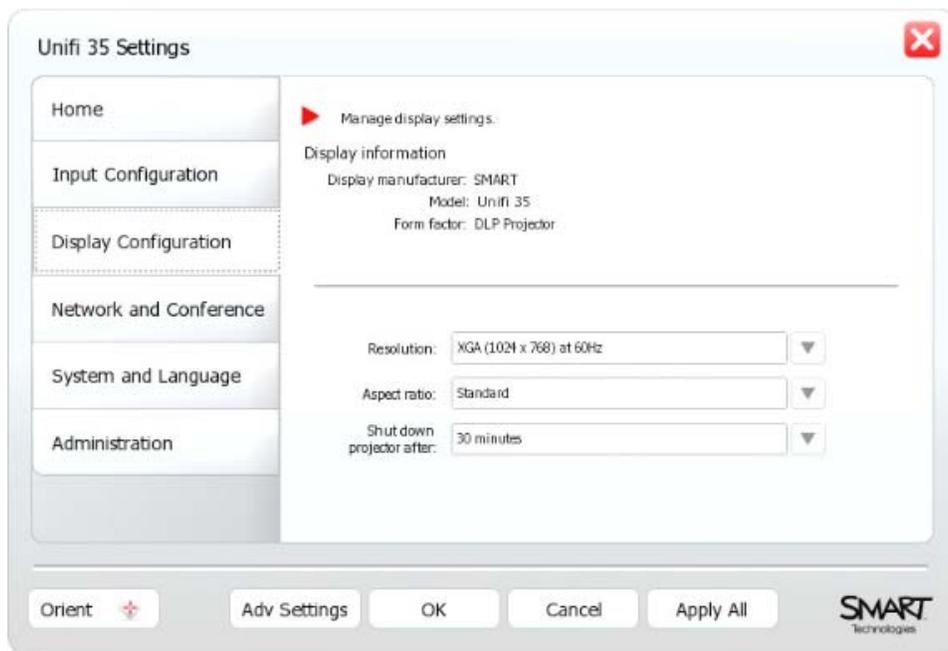
You've configured the firmware for the video source.

## Configuring the Display Settings

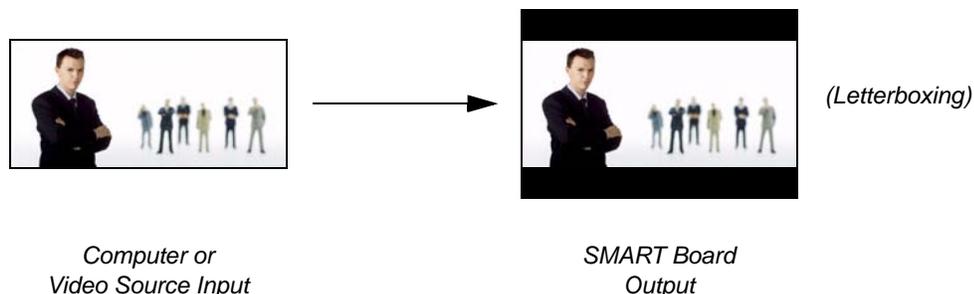
You can configure the firmware's aspect ratio and timeout settings to work with your 600i interactive whiteboard system's display.

### To configure the display settings

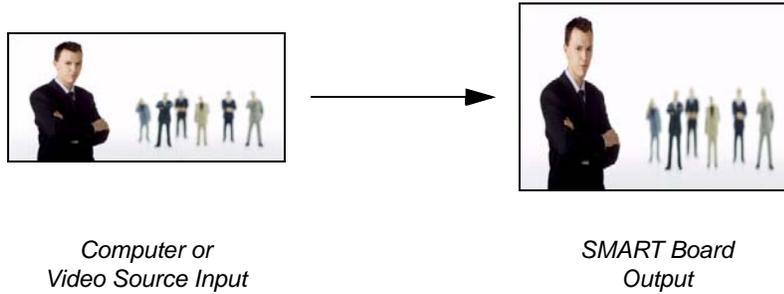
1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
4. Press **Display Configuration**.



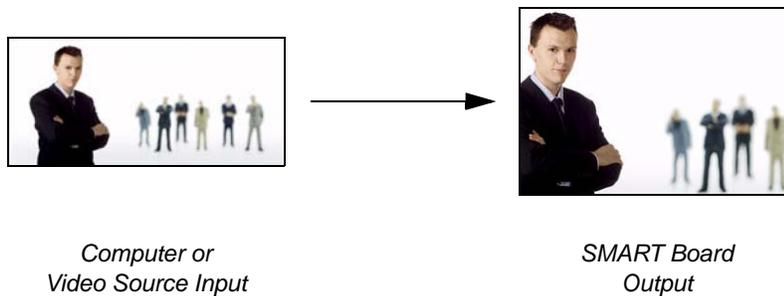
5. In the **Aspect ratio** list, select an aspect ratio.
  - **Standard** preserves the computer or video source input's aspect ratio.



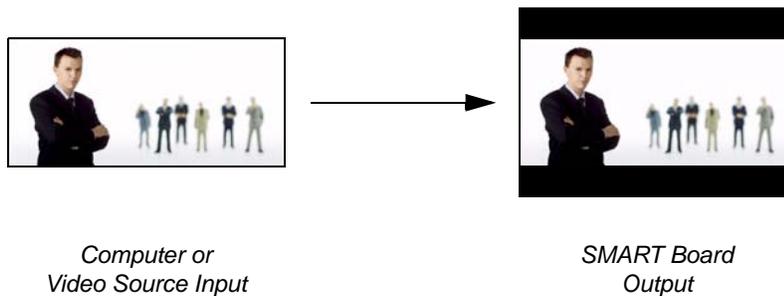
- **Full screen** changes the computer or video source input to match your SMART Board interactive whiteboard’s aspect ratio.



- **Cropped** crops the computer or video source input to match your SMART Board interactive whiteboard’s aspect ratio.



- **Enhanced widescreen** changes the computer or video source input to a widescreen (16:9) aspect ratio.



6. In the **Shut down projector after** list, select the number of minutes you want to pass before the projector shuts down, or **No Timeout** to not shut down the projector.

**NOTE:** If the 600i interactive whiteboard system is connected to a computer or video source, the value in the **Shut down projector after** list doesn’t take effect until after the computer or video source times out.

7. Press **Apply All**.

You’ve configured the display.

## Configuring Networking and Conferencing Settings

Connect the 600i interactive whiteboard system to a network to take advantage of the firmware's networking and conferencing features. These features include:

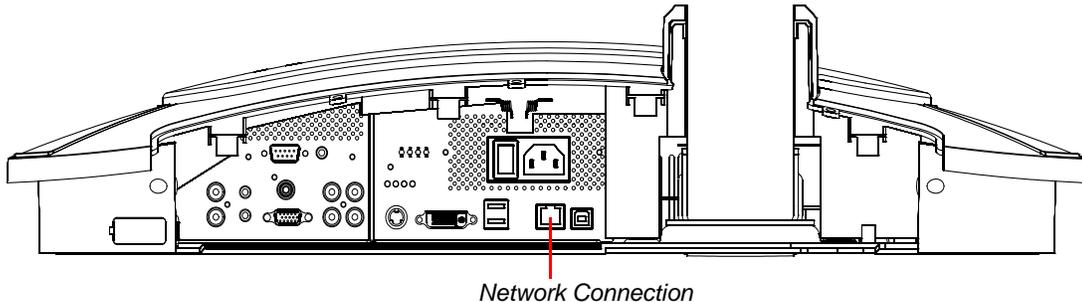
- sending Whiteboard files to specified e-mail addresses
- connecting to LinQ software client computers
- using Bridgit conferencing software to collaborate with anyone, anywhere in the world

**IMPORTANT** You must be familiar with basic networking, Simple Network Management Protocol (SNMP) and Simple Mail Transfer Protocol (SMTP) to complete the following procedures. If you are not familiar with these concepts, refer this guide to an information technology professional in your organization.



### To connect the 600i interactive whiteboard system to a network

Connect the Unifi 35 projector to the network using a Cat 5 cable.



**IMPORTANT** If you have connected the Unifi 35 projector to a network but the networking features of the firmware are not available, see [document 124969](#).

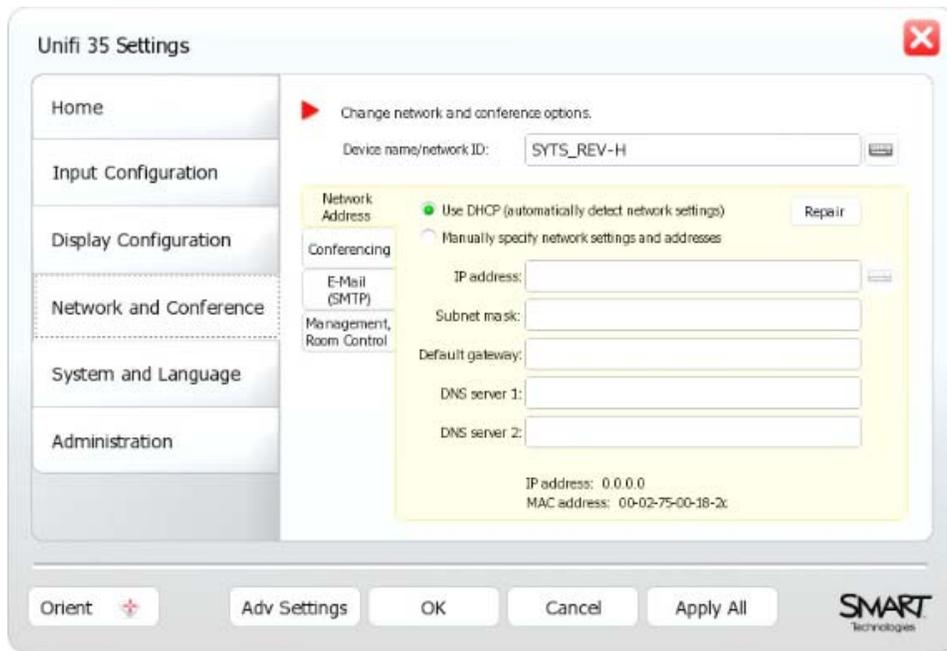


### To configure basic networking settings

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.

**NOTE:** For information on the configuration settings password, see page 14.

4. Press **Network and Conference**.



5. In the **Device name/network ID** box, type a name for the 600i interactive whiteboard system.

**NOTE:** The firmware uses this name in Bridgit software conferences as the participant's name, and in LinQ software as the server name.

6. Press **Network Address** (if this tab doesn't currently appear).
7. Select the **Use DHCP (automatically detect network settings)** option to configure networking settings automatically.

OR

Select the **Manually specify network settings and addresses** option to configure networking settings manually, and then type the appropriate information (as supplied by your network administrator) in the following boxes:

- **IP address**
- **Subnet mask**
- **Default gateway**
- **DNS server 1**
- **DNS server 2**

8. Press **Apply All**.

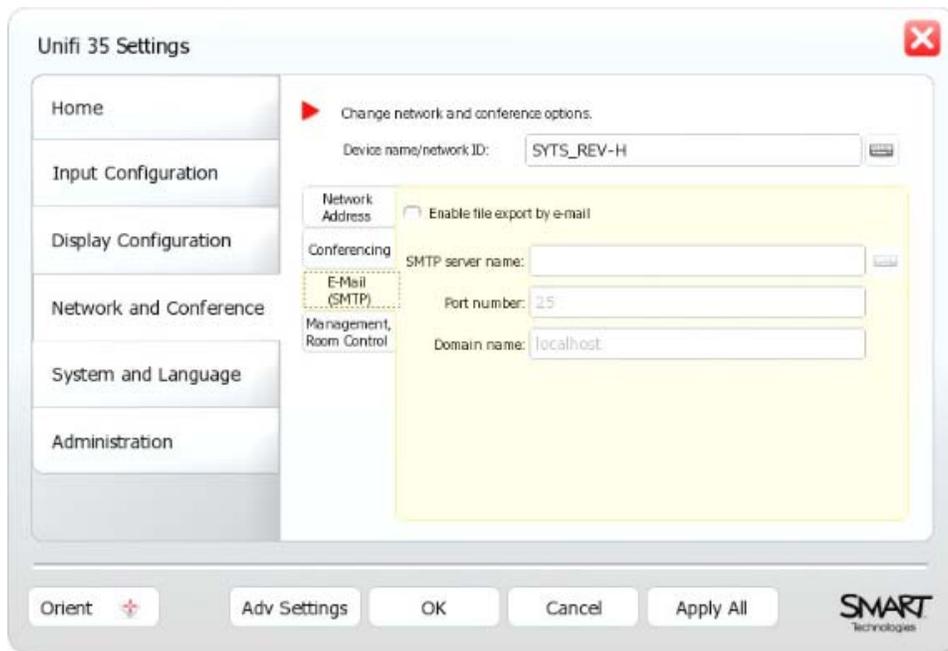
You've configured the basic networking settings of the firmware.

## To configure e-mail (SMTP) settings

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.

**NOTE:** For information on the configuration settings password, see page 14.

4. Press **Network and Conference**.
5. Press **E-Mail (SMTP)**.



6. In the **SMTP server name** box, type the name of the SMTP server (for example, **mail**).
7. In the **Port number** box, type the port number of the SMTP server (for example, **25**).

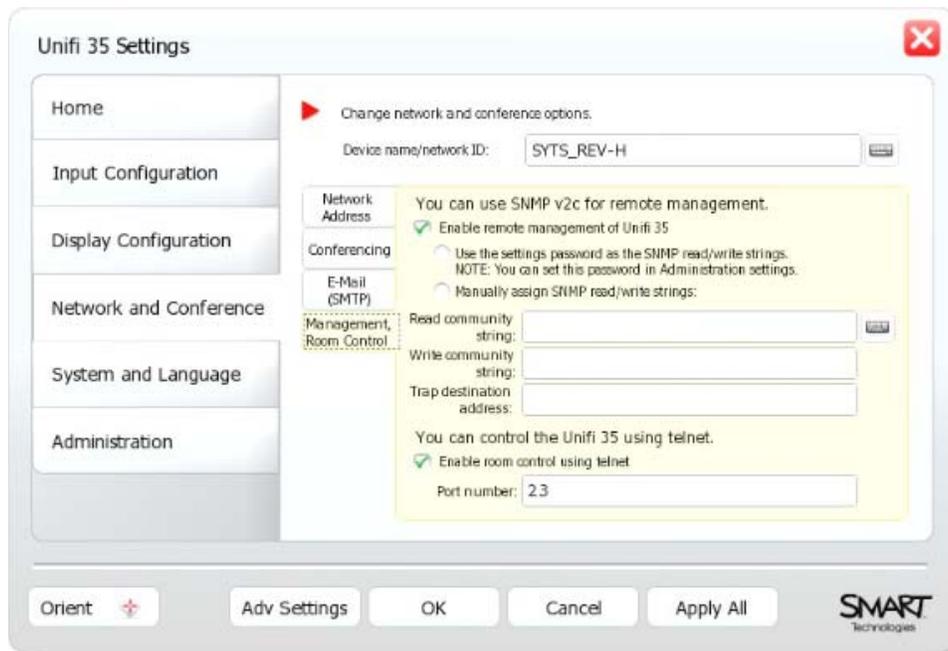
**NOTE:** 25 is the default port number for SMTP.

8. In the **Domain name** box, type the domain name of the SMTP server (for example, **yourcompany.com**).
9. Press **Apply All**.

You've configured the SMTP settings of the firmware.

## To configure network management (SNMP) settings

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
4. Press **Network and Conference**.
5. Press **Management, Room Control**.



6. Select the **Enable network management** check box to enable the SNMP settings of the firmware.
7. Select the **Use the settings password as the SNMP read/write strings** option to use the general settings password for the SNMP read/write strings.

OR

Select the **Manually assign SNMP read/write strings** option, and then enter the appropriate information (as provided by your network administrator) in the following boxes to manually assign the SNMP read/write strings:

- **Read community string**
- **Write community string**

**NOTE:** In SNMP, community strings are text strings that act as passwords. Get requests are only valid if their community strings match the value in the **Read community string** box, and set requests are only valid if their community strings match the value in the **Write community string** box.

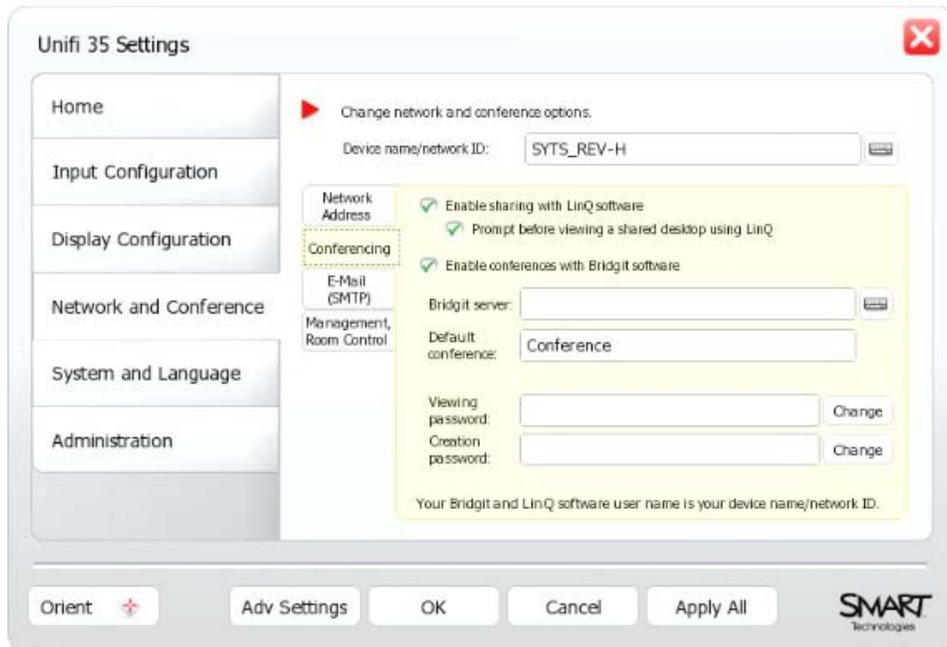
8. In the **Trap destination address** box, type the IP address to which the 600i interactive whiteboard system should send traps (as provided by your network administrator).  
**NOTE:** Traps are unsolicited, asynchronous events that devices such as the 600i interactive whiteboard system generate to indicate status changes.
9. Press **Apply All**.

You've configured the SNMP settings of the firmware.

**NOTE:** To fully utilize the SNMP features, download the 600i interactive whiteboard system's Management Information Base (MIB) files from [www.smarttech.com/600ifirmware](http://www.smarttech.com/600ifirmware). SNMP management software uses MIB files to interpret the devices that it monitors.

### To configure LinQ software

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
4. Press **Network and Conference**.
5. Press **Conferencing**.



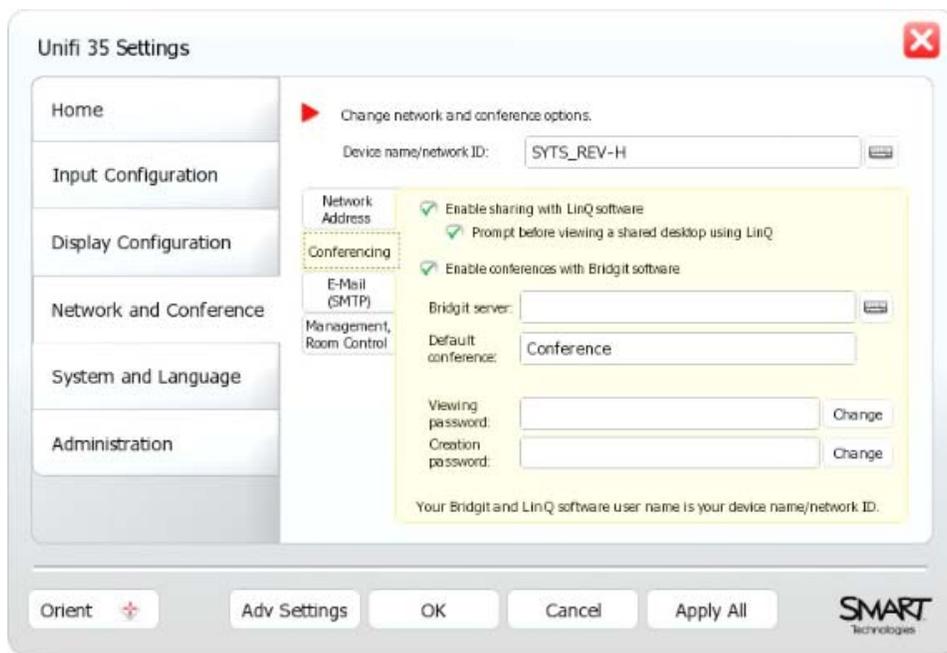
6. Select the **Enable sharing with LinQ software** check box to connect to LinQ software client computers.

7. Select the **Prompt before viewing a shared desktop using LinQ** check box to prompt users before connecting to LinQ software client computers.
8. Press **Apply All**.

You've configured LinQ software.

### To configure Bridgit conferencing software

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
4. Press **Network and Conference**.
5. Press **Conferencing**.



6. Select the **Enable conferences with Bridgit software** check box to use Bridgit conferencing software.

**IMPORTANT** To use the Bridgit conferencing software features in the firmware, you must do one of the following:



- Purchase and install Bridgit server software.
- Purchase a subscription for the Bridgit conferencing service.
- Install a trial version of Bridgit software for 30 days, and then purchase the server software or service from [SMART Technologies](#).
- Be invited to a conference by a person or organization with Bridgit software.

For more information on these options, see the [Bridgit page of the SMART support site](#).

7. In the **Bridgit server** box, type the URL of the Bridgit conferencing software server (for example, **bridgit.yourcompany.com**).
8. In the **Default conference** box, type a default, easy-to-identify name for all Bridgit software conferences created with the firmware.
9. In the **Viewing password** box, type a password that participants must enter to view Bridgit software conferences created with the firmware.
10. In the **Creation Password** box, type a password that participants must enter to create Bridgit software conferences with the firmware.
11. Press **Apply All**.

You've configured Bridgit conferencing software.

## Configuring Room Control Settings

You can control the Unifi 35 projector externally with a computer or room control system using a TELNET session established over a TCP/IP network connection or through a serial (RS-232) connection. This allows you to select inputs, control audio volume, request information such as projector lamp usage or network settings and complete other tasks.

This section describes how to configure the firmware for external control using a computer or room control system, and the commands you use to change and view the projector settings.

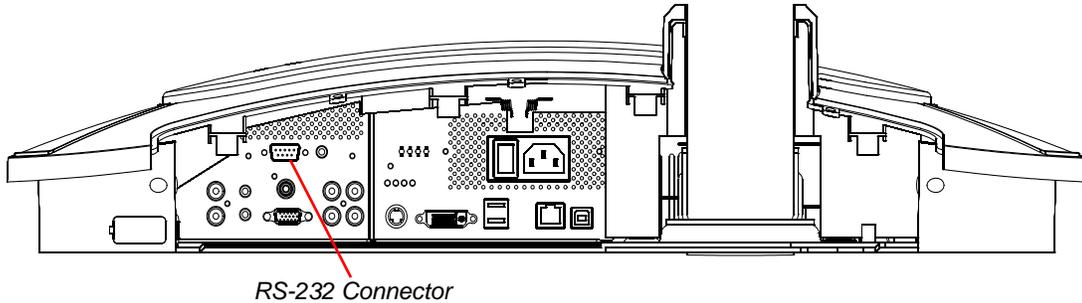
### Enabling and Using Room Control Settings through the Serial Interface

To enable and use the firmware's room control settings:

1. Connect the computer or room control system to the 600i interactive white board system.
2. Enable the firmware's room control mode.
3. Configure the connected computer or room control system's serial interface.
4. Program your room control system to use the firmware's room control commands.

## To connect the computer or room control system to the SMART Board 600i interactive whiteboard system

Connect the Unifi 35 projector to the computer or room control system using the RS-232 connector.



### IMPORTANT



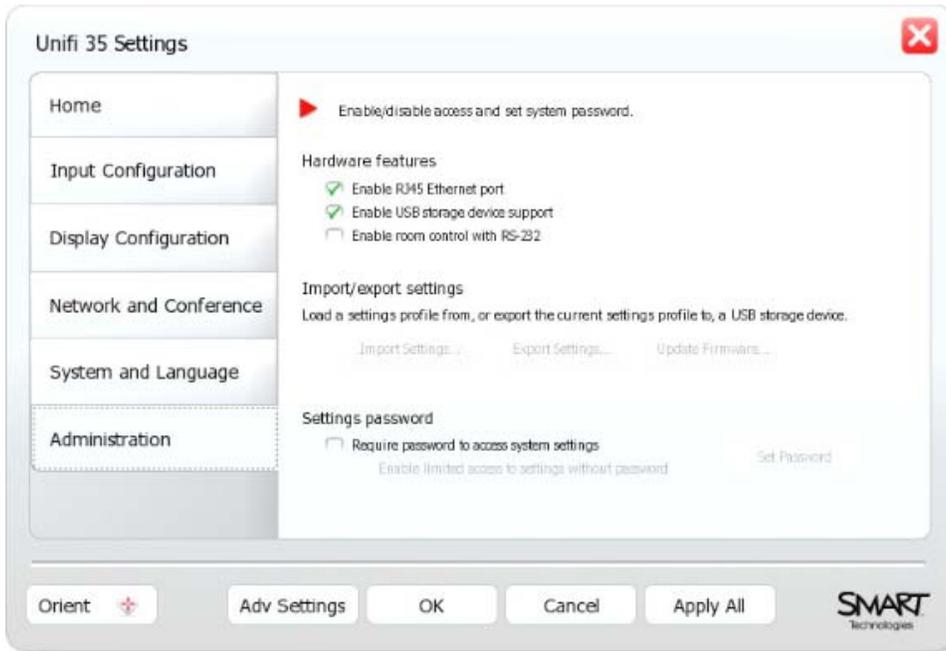
When the 600i interactive whiteboard system is in room control mode, you can only use the RS-232 connector for command inputs and responses. You must connect your computer to the Unifi 35 projector's or ECP's USB connector.

## To enable the SMART Board 600i interactive whiteboard system's room control mode

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.

**NOTE:** For information on the configuration settings password, see page 14.

4. Press **Administration**.



5. Select the **Enable room control with RS-232** check box.

6. Press **Apply All**.

You've enabled the firmware's room control mode through the serial interface.

### To configure your serial interface settings

The firmware's serial interface settings aren't configurable. Therefore, configure your computer's serial communication program, such as Microsoft® HyperTerminal, or your room control system's serial communication settings to the following values.

Setting	Value
Data rate	9600 bps
Data bits	8
Parity	None
Stop bits	1
Flow control	None

### To verify that the serial interface is in room control mode

1. Turn on your communication program.
2. Configure your communication program as documented in the previous section.
3. Press **Enter**.  
If your configuration is correct and the 600i interactive whiteboard system is in room control mode, the > character appears.
4. Type ?, and then press **Enter** to see a list of available commands.

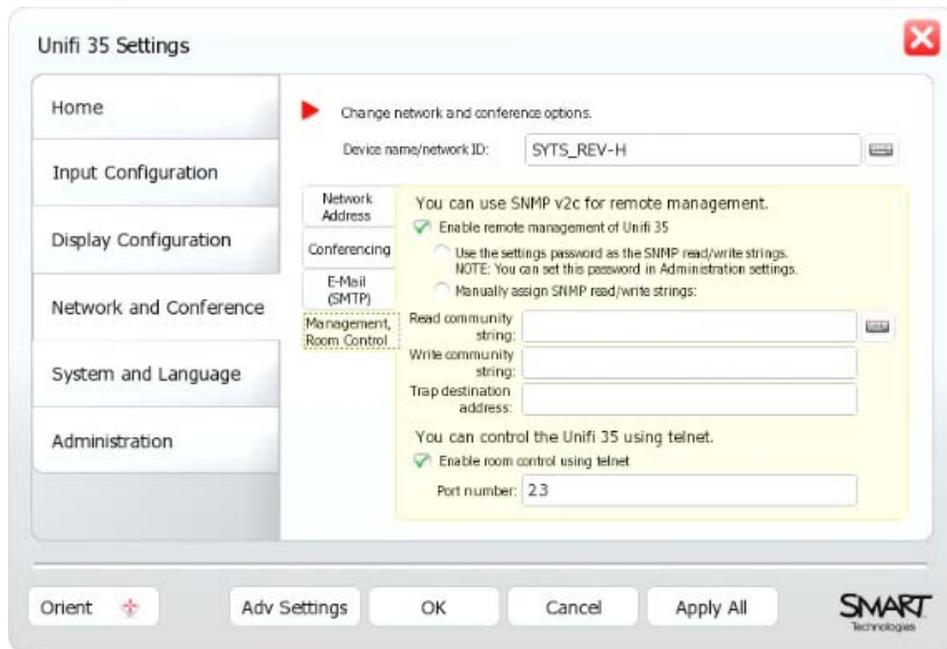
### Enabling and Using Room Control Settings through TELNET

Instead of connecting the 600i interactive whiteboard system to room control through the serial interface, you can connect through TELNET.

### To connect the computer or room control system to the SMART Board 600i interactive whiteboard system through TELNET

1. Connect the Unifi 35 projector and the computer or room control system to the same network.  
For more information on connecting the Unifi 35 projector to a network, see page 24.
2. Press **Menu**.  
The Welcome Center appears.
3. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
4. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
5. Press **Network and Conference**.

6. Press **Management, Room Control**.



7. Select the **Enable room control via telnet** check box.

8. In the **Port number** text box, type the port number for TELNET.

**NOTE:** 23 is the default port number for TELNET.

9. Press **Apply All**.

You've connected a computer or room control system to the 600i interactive whiteboard system through TELNET.

### Command Summary

The 600i interactive whiteboard system responds to the following types of commands:

- power state
- input selection
- video and audio
- conferencing
- system information

### NOTES

- Press **Enter** after each command.
- Commands aren't case-sensitive.

## Power State Commands

The following table presents the power state commands.

Command	Description
<code>off</code>	Turns off the Unifi 35 projector. <b>NOTE:</b> Alternatively, use the command <code>off now</code> .
<code>get powerstate</code>	Requests the Unifi 35 projector state. Possible returned values: <ul style="list-style-type: none"><li>• <code>on</code></li><li>• <code>cooldown</code></li><li>• <code>off</code></li></ul>

**NOTE:** You can't turn on the Unifi 35 projector using room control. Use a manual or infrared command to turn on the projector.

## Input Selection Commands

The following table presents the input selection commands.

Command	Description
<code>set input vga</code>	Selects the VGA computer input
<code>set input dvi-d</code>	Selects the DVI-D computer input
<code>set input dvi-a</code>	Selects the DVI-A computer input
<code>set input component</code>	Selects the component video source input
<code>set input composite</code>	Selects the composite video source input
<code>set input s-video</code>	Selects the S-video source input
<code>set input whiteboard</code>	Selects Whiteboard mode <b>NOTE:</b> Alternatively, you can use the command <code>set input scratchpad</code> .
<code>get input</code>	Requests the projector's current input

## Video and Audio Commands

The following table presents the video and audio commands.

Command	Description
<code>set brightness {+ or -}</code>	Increases or decreases the brightness in increments
<code>set brightness {0 to 100}</code>	Sets the brightness to an absolute value from 0 (off) to 100 (full brightness)
<code>get brightness</code>	Requests the projector's current brightness setting
<code>set contrast {+ or -}</code>	Increases or decreases the contrast in increments
<code>set contrast {0 to 100}</code>	Sets the contrast to an absolute value from 0 (minimum contrast) to 100 (maximum contrast)
<code>get contrast</code>	Requests the projector's current contrast setting
<code>set volume {+ or -}</code>	Increases or decreases the volume in increments
<code>set volume {0 to 100}</code>	Sets the volume to an absolute value from 0 (off) to 100 (full volume)
<code>get volume</code>	Requests the projector's current volume setting

## System Information Commands

The following table presents the system information commands.

Command	Description
<code>get lamphrs</code>	Requests the number of hours that the projector lamp has been in use (from 0 to 3000)
<code>get syshrs</code>	Requests the number of hours that the system has been in use
<code>get ipaddr</code>	Requests the IP address
<code>get macaddr</code>	Requests the MAC address
<code>get fwver</code>	Requests the firmware version

## Configuring Language and General System Settings

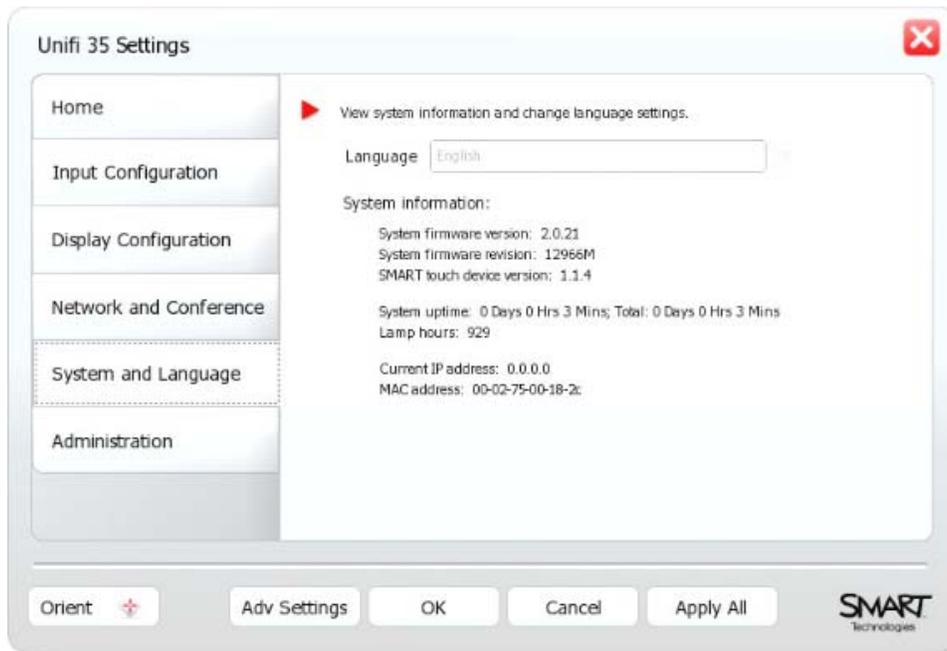
The firmware's user interface is set to English by default. You can change the language to one of the following:

- French
- German
- Italian
- Spanish

In addition, you can view the 600i interactive whiteboard systems's system information, including the firmware version, Internet Protocol (IP) address and Media Access Control (MAC) address.

## To set the firmware's user interface language

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
4. Press **System and Language**.

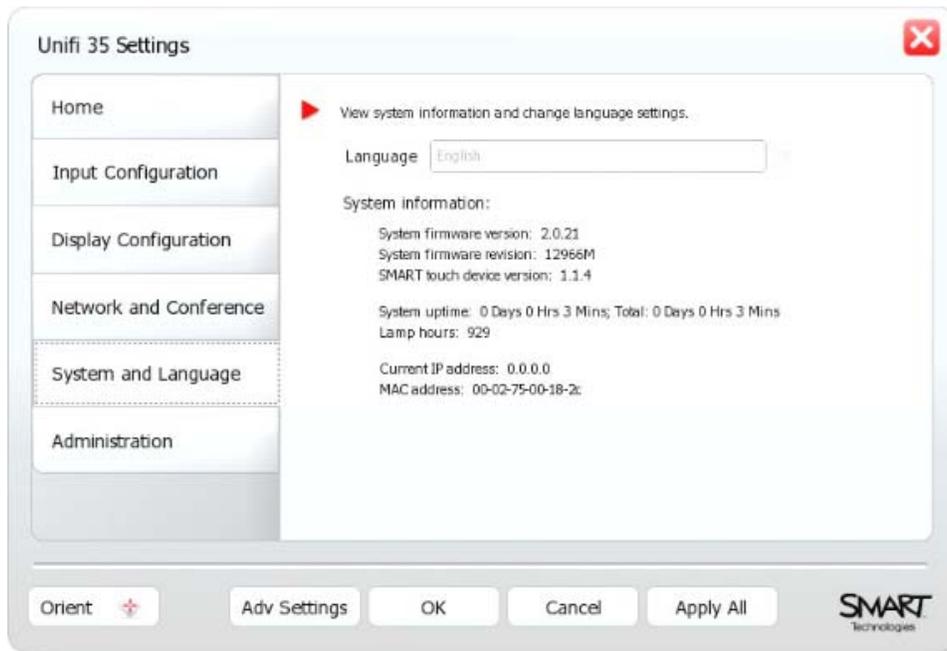


5. In the **Language** list, select your preferred language.
6. Press **Apply All**.

You've set the firmware's user interface language.

## To view system information

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.
4. Press **System and Language**.



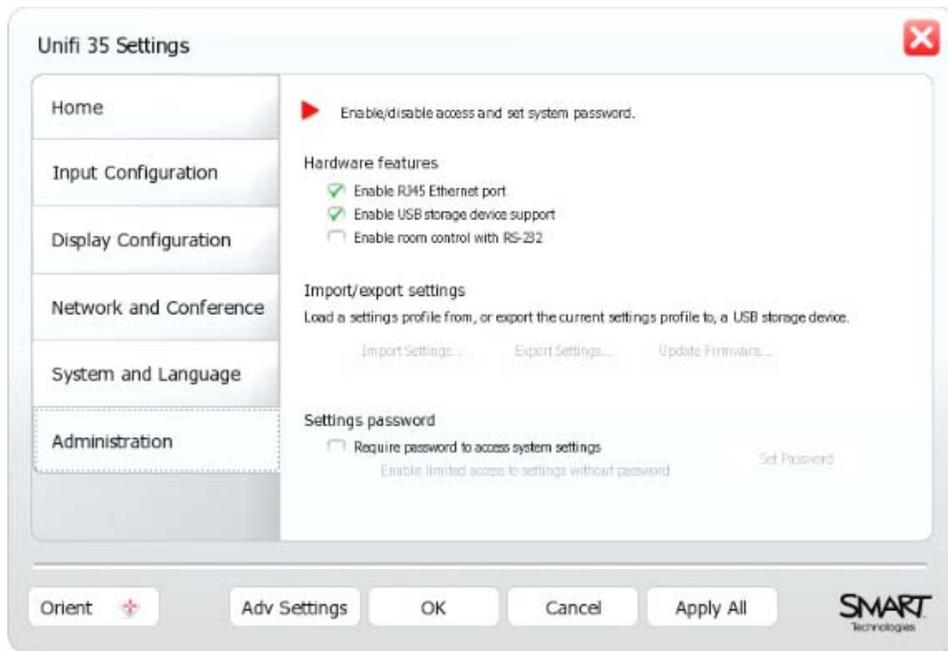
5. View the system information.

You've viewed the system information.

## To disable system hardware settings

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. If a password is required to change the configuration settings, type the password in the box at the bottom of the menu, and then press **OK**.  
**NOTE:** For information on the configuration settings password, see page 14.

4. Press **Administration**.

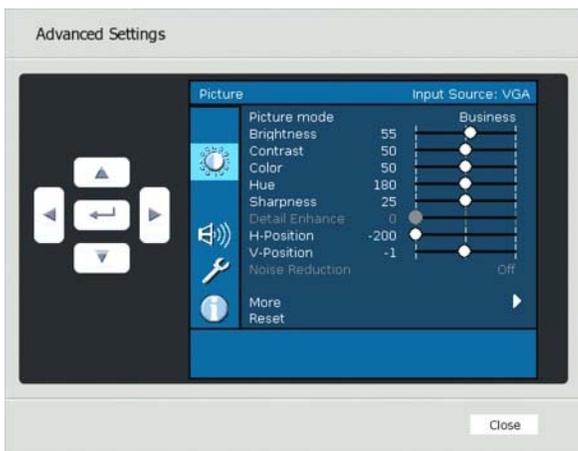


5. Clear the **Enable RJ45 Ethernet port** check box to disable networking settings.
6. Clear the **Enable USB storage device support** check box to disable USB storage device settings.
7. Press **Apply All**.

You've disabled system hardware settings.

## Configuring Unifi 35 Projector Settings

The *Unifi 35 Settings* dialog box includes an **Adv Settings** button. When you click this button, the *Advanced Settings* dialog box appears.



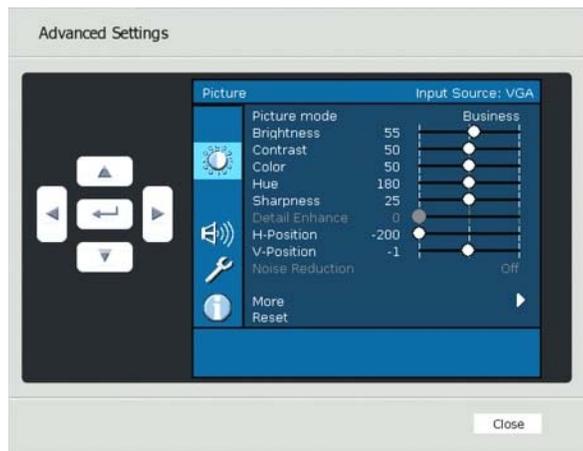
This menu allows you to configure and view the Unifi 35 projector's hardware settings, including:

- image settings, including brightness, contrast and color
- audio settings, including bass and treble
- lamp hours
- lamp and fan modes

Use the buttons on the left side of the menu to navigate its options.

### To configure image settings

1. Select a computer or video source input. (See page 68.)
2. Press **Menu**.  
The Welcome Center appears.
3. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
4. Press **Adv Settings**.  
The *Advanced Settings* dialog box appears.
5. Press .



6. Configure the primary image settings:
  - Adjust the **Brightness, Contrast, Color, Hue, Sharpness** and **Detail Enhance** sliders to the appropriate values.
  - Set **Noise Reduction** to **On** or **Off**.

7. Press **More**.



8. Configure the secondary image settings:

- Adjust the **Overscan**, **Color/Brightness**, **Frequency**, **Phase**, **3D NR** and **Codec NR** sliders to the appropriate values.
- Set **Black-Level** to the appropriate value.
- Set **HQV** and **Block NR** to **On** or **Off**.

**NOTE:** To return the image settings to their default values, press **Reset**.

9. Press **Close**.

You've configured the image settings for the Unifi 35 projector.

### To configure audio settings

1. Press **Menu**.

The Welcome Center appears.

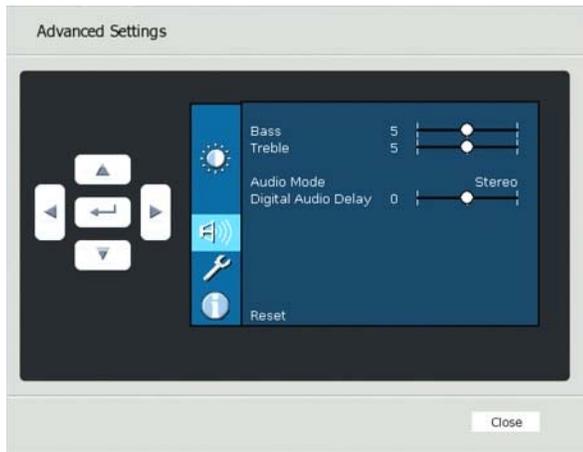
2. Press **Settings**.

The *Unifi 35 Settings* dialog box appears.

3. Press **Adv Settings**.

The *Advanced Settings* dialog box appears.

4. Press .



5. Configure the audio settings:
  - Adjust the **Bass**, **Treble** and **Digital Audio Delay** sliders to the appropriate values.
  - Set **Audio Mode** to the appropriate value.

**NOTE:** To return the audio settings to their default values, press **Reset**.

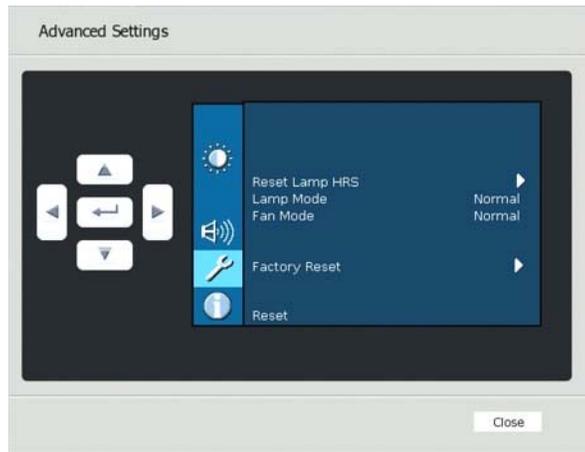
6. Press **Close**.

You have configured the audio settings for the Unifi 35 projector.

### To configure other settings

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. Press **Adv Settings**.  
The *Advanced Settings* dialog box appears.

4. Press .



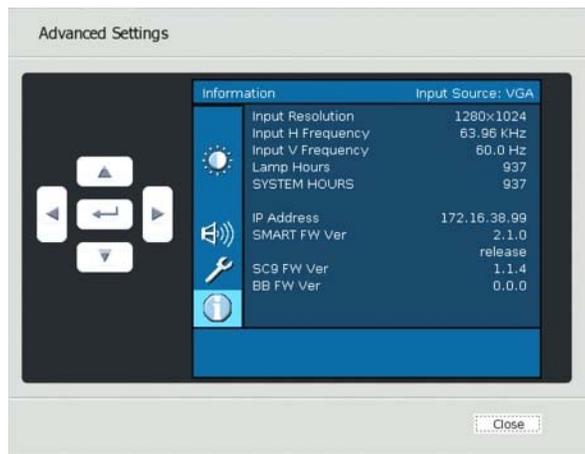
5. Configure other settings:
  - Open the **Reset Lamp HRS** section to reset the lamp hour counter.  
**NOTE:** Only do this after replacing the projector bulb as explained in [document 87643](#).
  - Set **Lamp Mode** and **Fan Mode** to the appropriate values.
  - Open the **Factory Reset** section to reset the projector to the factory default configuration.  
**NOTE:** To return the other settings to their default values, press **Reset**.
6. Press **Close**.

You've configured the other settings of the Unifi 35 projector.

### To view Unifi 35 projector information

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Settings**.  
The *Unifi 35 Settings* dialog box appears.
3. Press **Adv Settings**.  
The *Advanced Settings* dialog box appears.

4. Press .



5. View the information, and then press **Close**.

You've viewed the Unifi 35 projector information.

# Using the Firmware

---

## In this Chapter

This chapter explains how to use the features of the firmware with your SMART Board 600i interactive whiteboard system. The firmware's features include Whiteboard, Bridgit conferencing software and the ability to connect to computers and video sources.

- *Basic Tools* (this page)
- *Starting a Firmware Session* (page 50)
- *Whiteboarding* (page 50)
- *Collaborating* (page 58)
- *Connecting to Computers and Video Sources* (page 68)
- *Using Your SMART Board 600i Interactive Whiteboard System with Computer and Video Source Inputs* (page 71)
- *Ending a Firmware Session* (page 74)

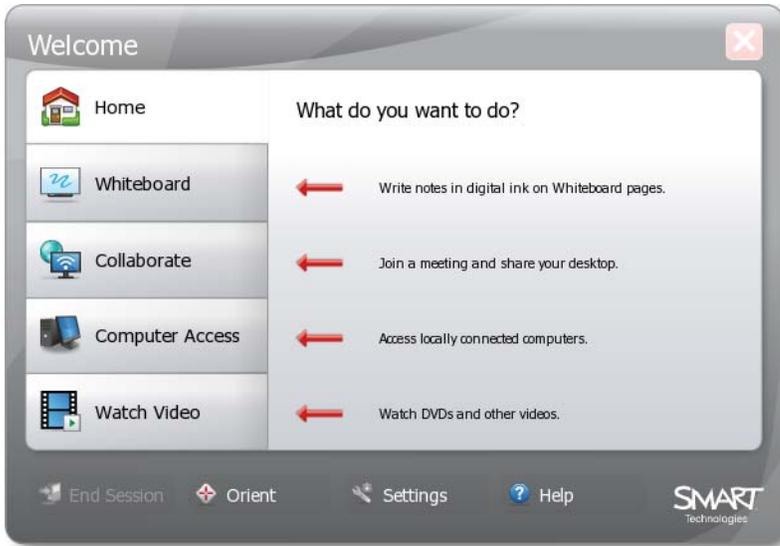
## Basic Tools

Regardless of which features of the firmware you use, you'll find these tools useful:

- Welcome Center menu
- shortcut menu
- toolbar
- on-screen keyboard
- right-click
- volume adjustment and mute
- online Help

## Welcome Center

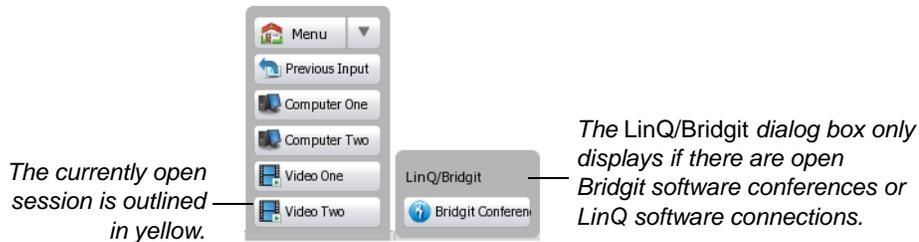
The Welcome Center allows you to create or open Whiteboard files, Bridgit software conferences, and computer and video source sessions, as well as open the *Unifi 35 Settings* dialog box to configure the firmware (see page 9) and end the current session (see page 74).



The Welcome Center appears when you start a firmware session. If you're in a Whiteboard file, Bridgit software conference, or computer or video source session, open the Welcome Center by pressing **Menu** in the toolbar.

## Shortcut Menu

The shortcut menu allows you to move between Whiteboard files, Bridgit software conferences, and computer and video source sessions without opening the Welcome Center.



**NOTE:** A session only displays in the shortcut menu if you select its input's **Add a button for this input in the shortcut menu** check box (see page 18 and page 20).

To open the shortcut menu, press ▲ to the right of **Menu** in the toolbar. Press a session's button to move to that session, or press outside of the shortcut menu to close it.

## Toolbar

The toolbar appears at the bottom of the display in Whiteboard files, Bridgit software conferences, and computer and video source sessions. The buttons in the toolbar differ depending on the type of session.



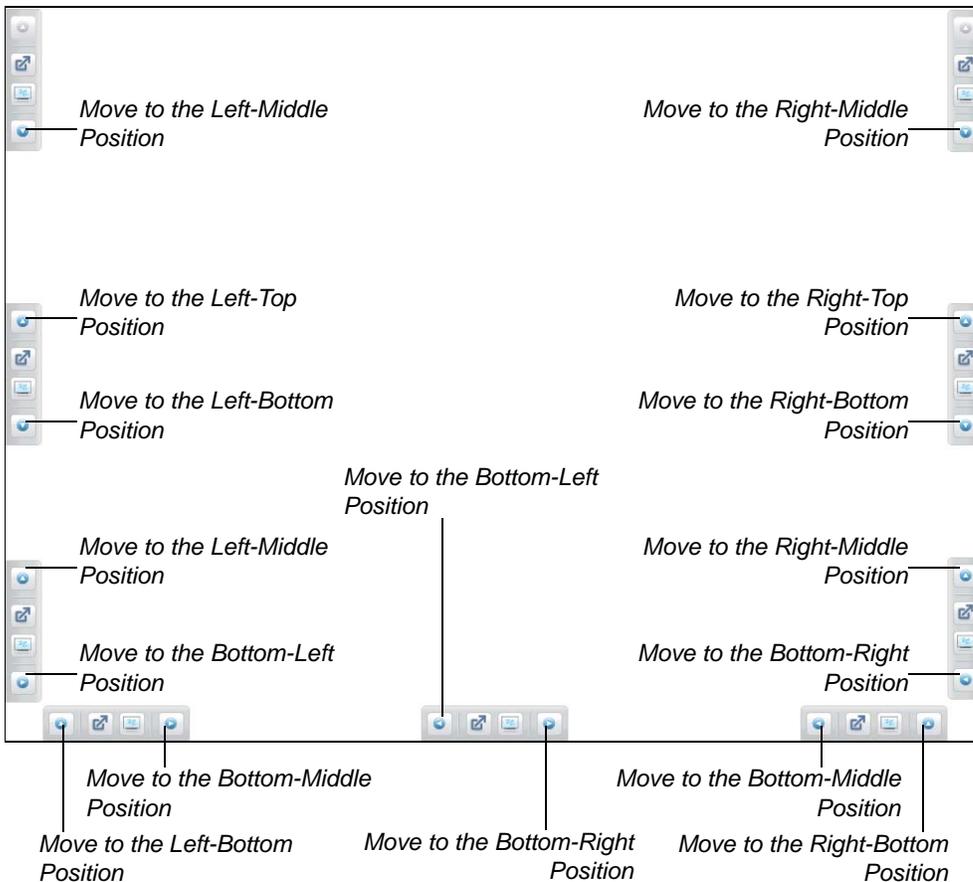
*Whiteboard Toolbar*



*Computer or Video Source Toolbar*

**NOTE:** The two right-most buttons in the computer or video source toolbar are only available for computer inputs.

To minimize the toolbar, press **Minimize** . After minimizing the toolbar, you can move it to different positions on the display by pressing the appropriate buttons.



Alternatively, press **Show/Hide Menu** on the control module (on the left side of the pen tray) to minimize the toolbar.



## SMART Keyboard

If there's no keyboard connected to the 600i interactive whiteboard system, you can use SMART Keyboard to type information.

### To open SMART Keyboard

Press **Keyboard**  or the keyboard button on the pen tray.

SMART Keyboard appears.

**NOTE:** SMART Keyboard uses the QWERTY layout.



## Right-Click

If you connect a computer to the 600i interactive whiteboard system (see page 68) and there's no mouse connected to the system, you can simulate a right-click by pressing **Right-Click**  or the right-click button on the pen tray, and then pressing the interactive screen with your finger.

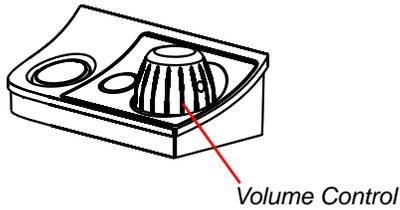
## Volume Adjustment and Mute

Adjust and mute the volume by pressing **Volume** .



Adjust the volume by moving the slider to the right to increase volume, or to the left to decrease the volume. Mute the volume by pressing **Volume** .

Alternatively, adjust and mute the volume using the volume control on the control module (on the left side of the pen tray):



Adjust the volume by turning the volume control. Mute the volume by pushing down on the volume control.

**NOTE:** Volume adjustment and mute aren't available in Whiteboard or any computer or video source connection without audio input.

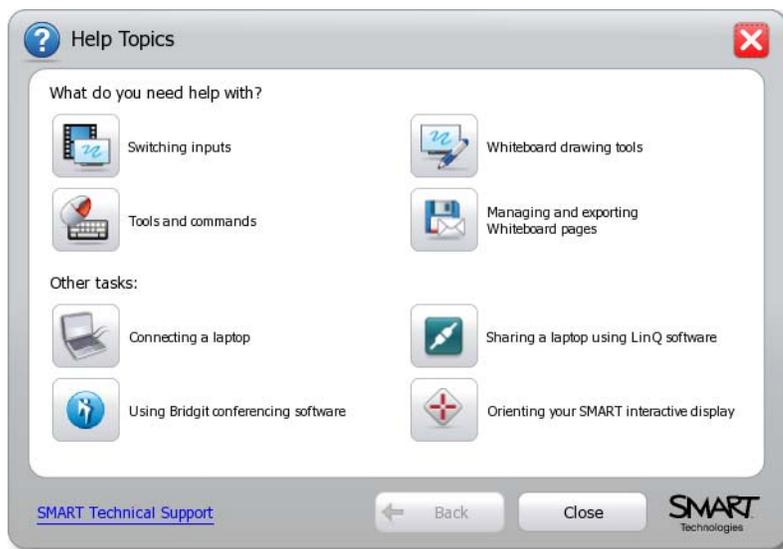
## Online Help

The firmware includes online Help.

### To view the online Help

Open the Welcome Center, and then press **Help**.

The *Help Topics* window appears.

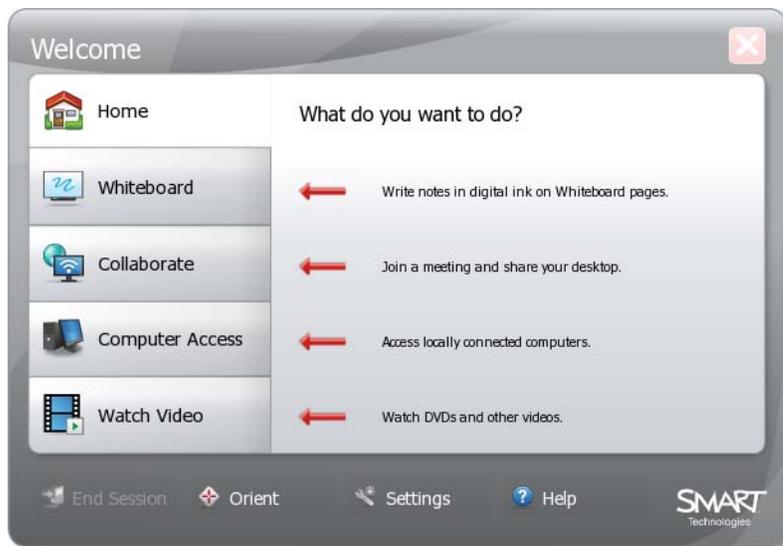


## Starting a Firmware Session

There are two situations in which you need to start a new firmware session.

Situation	Procedure
Your 600i interactive whiteboard system is off.	Turn on your 600i interactive whiteboard system as documented in <a href="#">document 87643</a> .
Your 600i interactive whiteboard system is on but the display is blank.  The firmware has timed out and is in sleep mode. (For information on setting the number of minutes before the firmware times out, see page 22.)	Swipe your finger or a pen from the pen tray across the display of your 600i interactive whiteboard system.

When you start a new session, the Welcome Center appears.



## Whiteboarding

Whiteboard allows you to capture notes and drawings in digital ink on your 600i interactive whiteboard system.

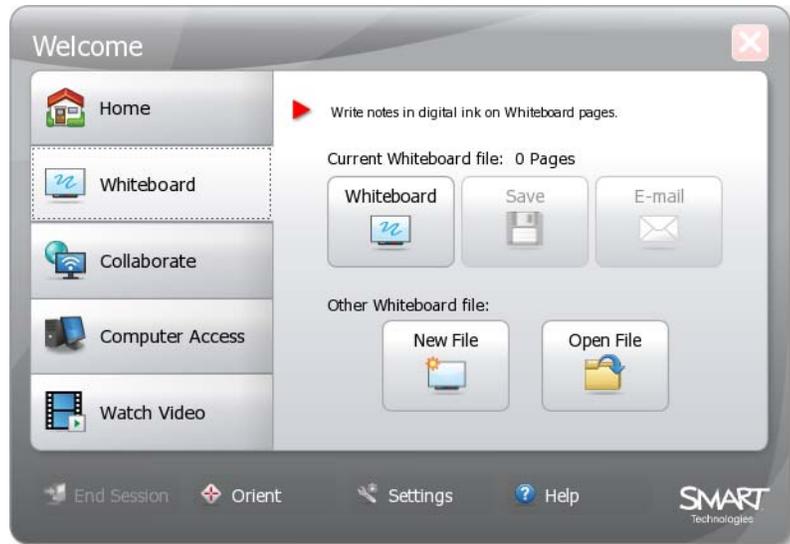
Use Whiteboard for brainstorming, note taking and other activities for which you want to use your interactive whiteboard system's digital ink tools without connecting to a computer.

## Getting Started

To use Whiteboard, create or open a Whiteboard file.

### To create a Whiteboard file

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Whiteboard**.

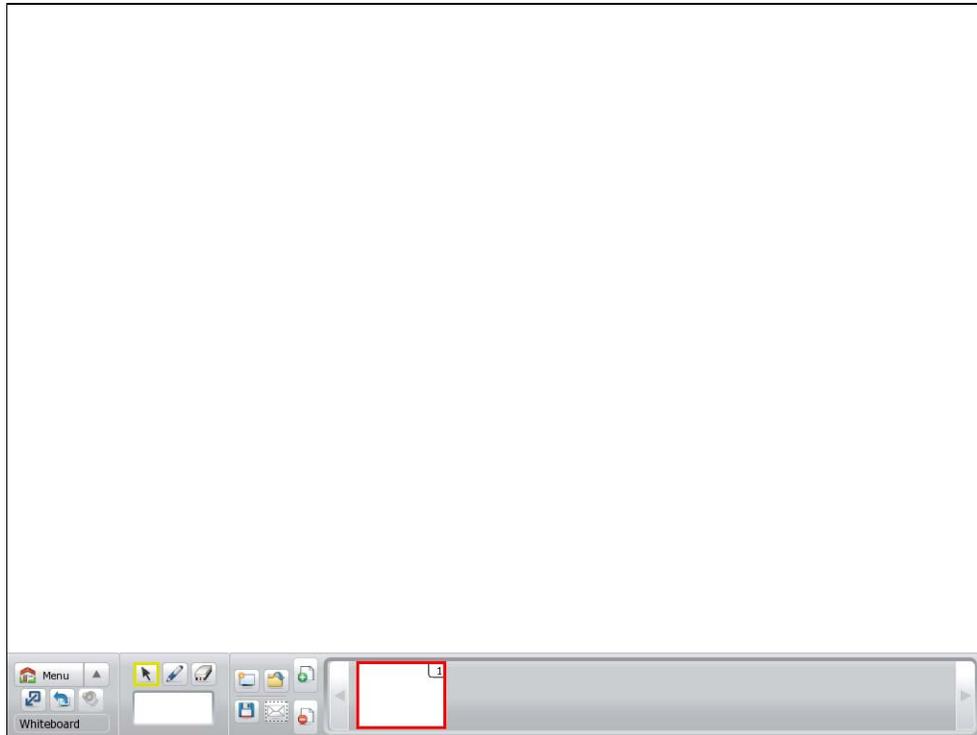


3. Press **Whiteboard**.

OR

Press **New File**.

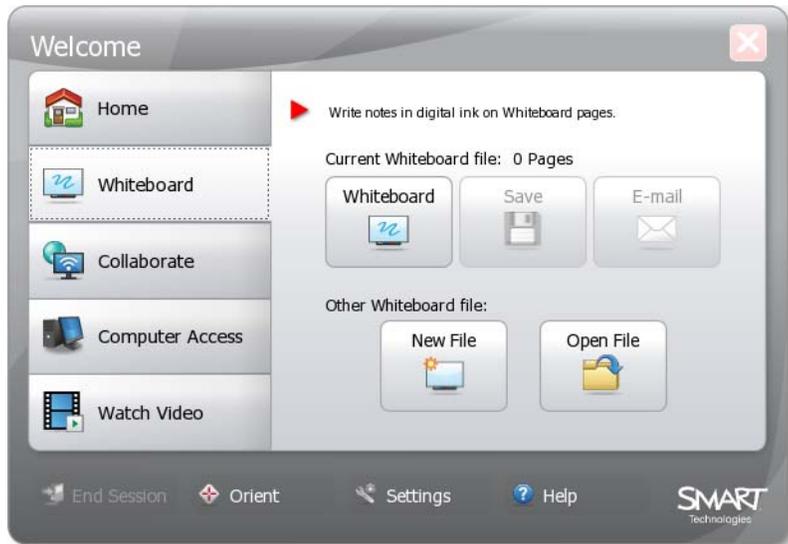
A new file opens.



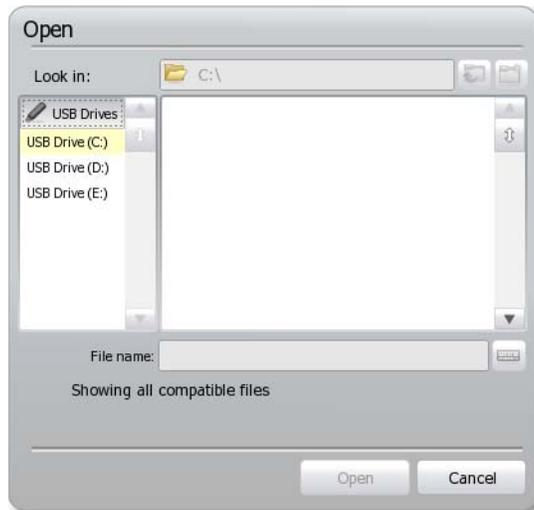
You've created a new Whiteboard file.

## To open a Whiteboard file

1. Connect the USB storage device that contains the Whiteboard file to the Unifi 35 projector or the Extended Connection Panel.
2. Press **Menu**.  
The Welcome Center appears.
3. Press **Whiteboard**.



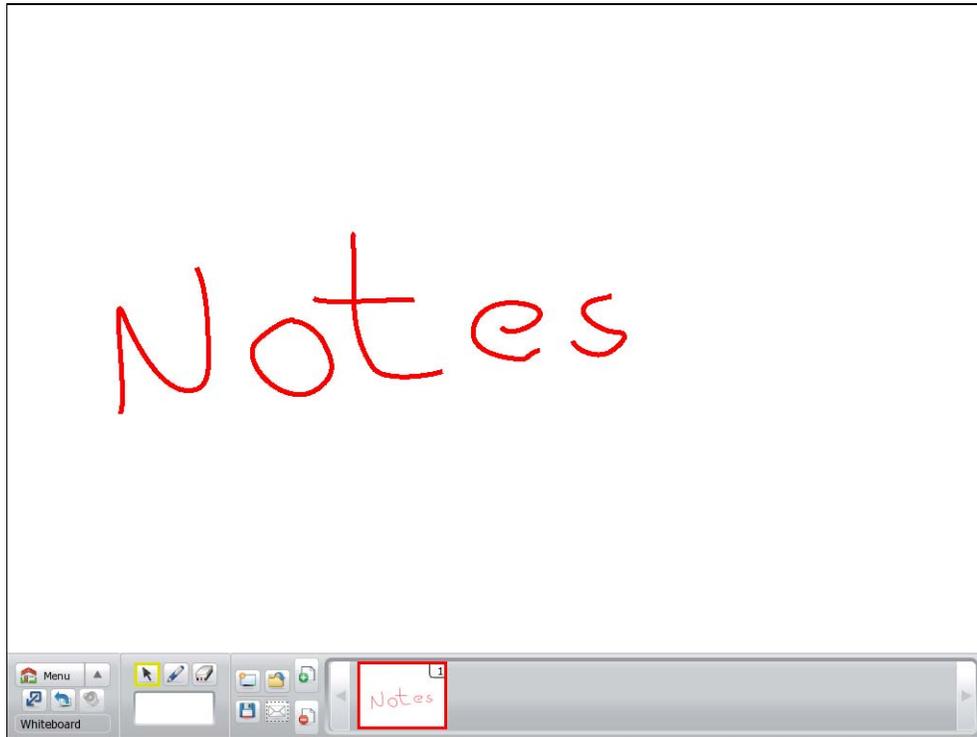
4. Press **Open File**.  
The *Open* dialog box appears.



5. In the **Look in** list, select the USB storage device's drive letter.

6. Browse to and select the file.
7. Press **Open**.

The file opens.



You've opened an existing Whiteboard file.

### Using Whiteboard

After creating or opening a Whiteboard file, you can:

- draw digital ink
- erase digital ink
- add a page to the file
- delete a page from the file
- minimize and restore the toolbar

#### To draw digital ink

1. Pick up a pen from the pen tray.

OR

Press **Pen** .

The pen toolbar appears.



2. In the pen toolbar, select the appropriate color and thickness options.
3. Draw digital ink.

### To erase digital ink

1. Pick up the eraser from the pen tray.  
OR

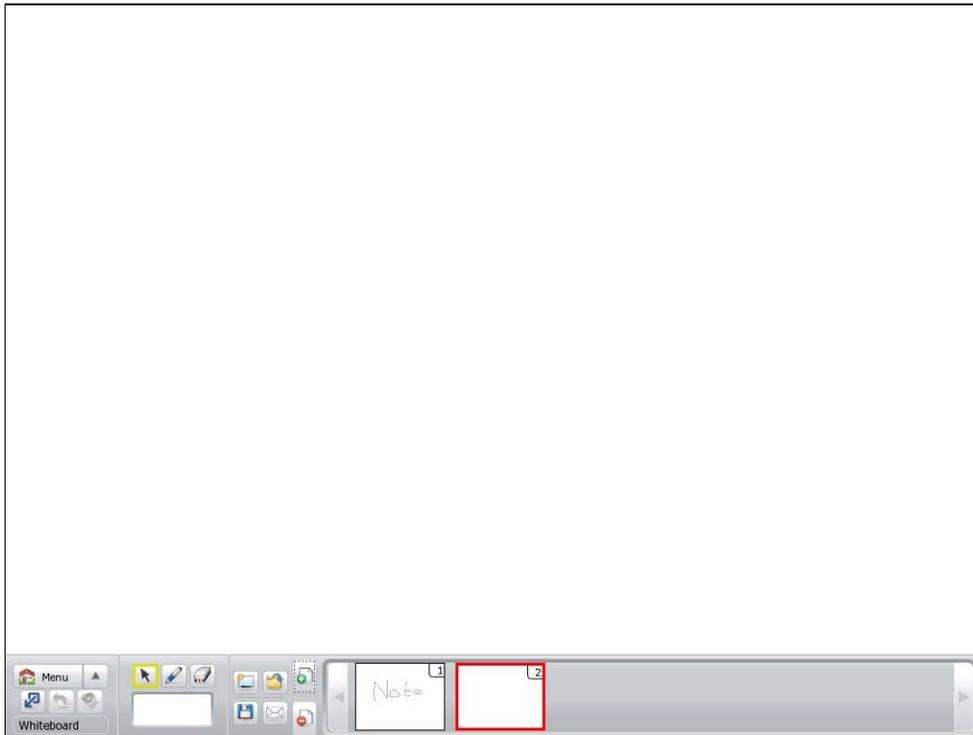
Press **Eraser** .

2. Erase digital ink.

### To add a page to the Whiteboard file

Press **Add Page** .

A new page appears after the currently selected page.



### To delete a page from the Whiteboard file

Open the page you want to delete, and then press **Delete Page** .

The page deletes.

**NOTE:** If there's only one page in the file, pressing **Delete Page**  clears the page rather than deleting it.

## Saving or E-mailing a Whiteboard File

You can save your Whiteboard file on a USB storage device or e-mail it in one of the following formats:

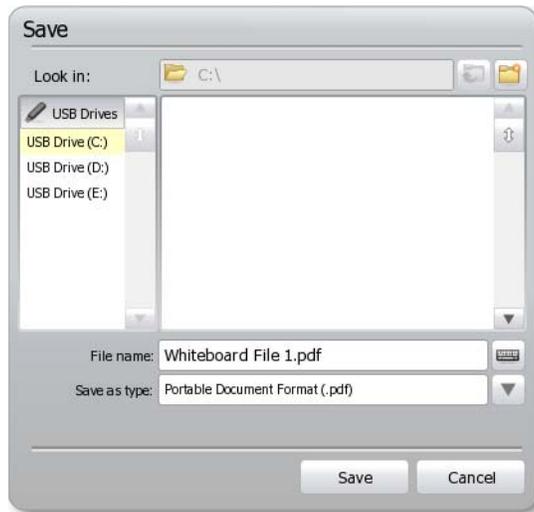
- Whiteboard file (.notebook)
- JPEG archive (.zip)
- PDF (.pdf)

After saving a file on a USB storage device, you can open, view and edit it in Whiteboard or on a computer with Notebook software.

### To save a Whiteboard file

1. Connect a USB storage device to the Unifi 35 projector or the Extended Connection Panel.
2. Press **Save** .

The Save dialog box appears.



3. In the **Look in** list, select the USB storage device's drive letter.
4. Browse to the folder where you want to save the file.

**NOTE:** Create a new folder for the file by pressing **New Folder** .

5. In the **File name** box, type a file name.

6. In the **Save as type** list, select a file type:

- **Whiteboard File (.notebook)**
- **JPEG Archive (.zip)**
- **Portable Document Format (.pdf)**

**NOTE:** If you select **JPEG Archive (.zip)**, the firmware saves each page in the Whiteboard file as a JPEG image file inside an archive file.

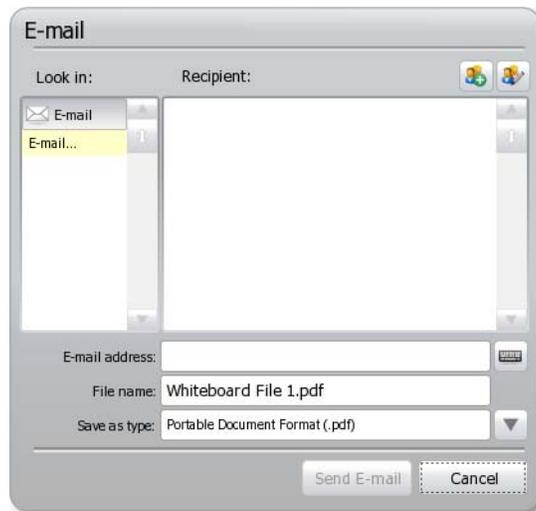
7. Press **Save**.

You've saved the Whiteboard file to a USB storage device.

### To e-mail a Whiteboard file

1. Press **E-mail** .

The *E-mail* dialog box appears.



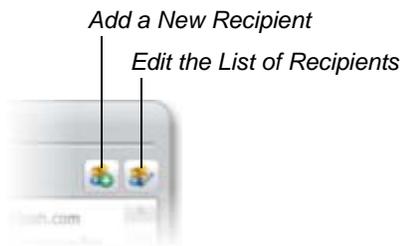
2. In the **Recipient** list, select the recipient.

OR

In the **E-mail address** box, type the recipient's e-mail address.

## NOTES

- Add a new recipient or edit the list of recipients by pressing the appropriate button in the upper-right corner of the *E-mail* dialog box:



- If you're using SMART Keyboard to enter e-mail addresses, press **Shift** to view the key for the @ symbol.



3. In the **Save as type** list, select a file type:
  - **Whiteboard File (.notebook)**
  - **JPEG Archive (.zip)**
  - **Portable Document Format (.pdf)**

**NOTE:** If you select **JPEG Archive (.zip)** file, the firmware saves each page in the Whiteboard file as a JPEG image file inside an archive file.

4. Press **Send E-mail**.

You've e-mailed the Whiteboard file.

## Collaborating

Bridgit conferencing software is a client/server application that lets you collaborate with anyone, anywhere in the world. Using Bridgit conferencing software, you can:

- share your display
- view other participants' displays
- communicate with others through chat
- use your SMART product to write digital ink notes

**NOTE:** You must connect the 600i interactive whiteboard system to a network and configure it as documented on page 29 to use Bridgit conferencing software.

**IMPORTANT** To use the Bridgit conferencing software features in the firmware, you must do one of the following:



- Purchase and install Bridgit server software.
- Purchase a subscription for the Bridgit conferencing service.
- Install a trial version of Bridgit software for 30 days, and then purchase the server software or service from [SMART Technologies](#).
- Be invited to a conference by a person or organization with Bridgit software.

For more information on these options, see the [Bridgit page of the SMART support site](#).

## Getting Started

To get started with Bridgit conferencing software, create or join a conference.

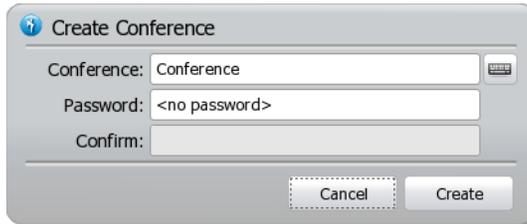
### To create a Bridgit software conference

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Collaborate**.



3. Press **Create Conference**.

The *Create Conference* dialog box appears.



4. In the **Conference** box, type a name for the conference.  
**NOTE:** You define the default name in this box in the firmware settings (see page 29).
5. In the **Password** and **Confirm** boxes, type a password for the conference (if you want to assign a password to the conference).

**IMPORTANT**



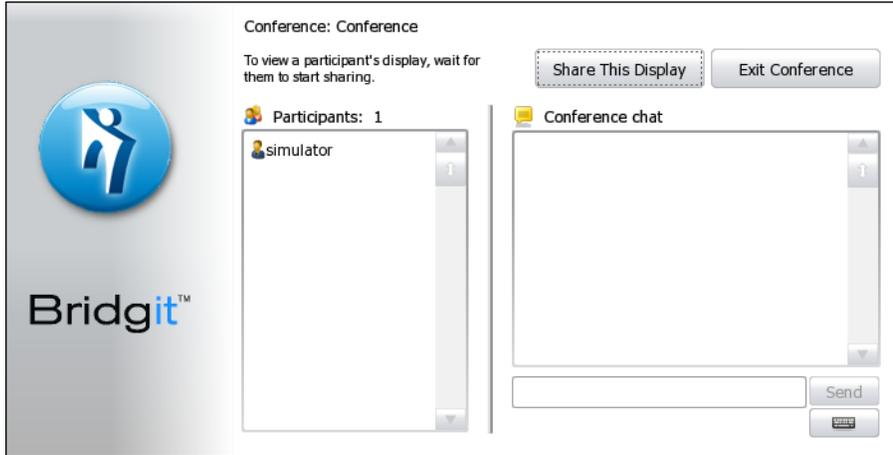
If you do not assign a password to the conference, any person with Bridgit conferencing software and access to the server can join the conference.

6. Press **Create**.

If the server administrator has assigned a password for creating conferences, the *Password Required* dialog box appears. Proceed to step 7.

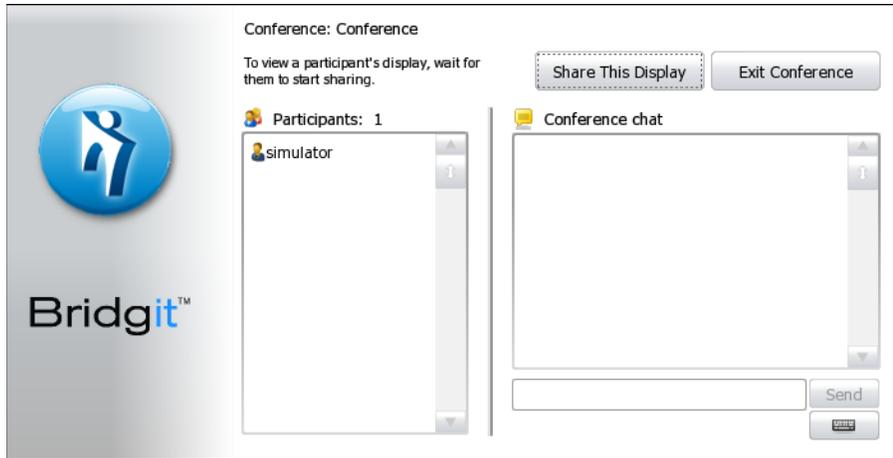
OR

If the server administrator has not assigned a password for creating conferences, the Bridgit software conference screen appears. Do not proceed to step 7.



7. In the **Creation Password** box, type the password for creating conferences, and then press **OK**.

The Bridgit software conference screen appears.



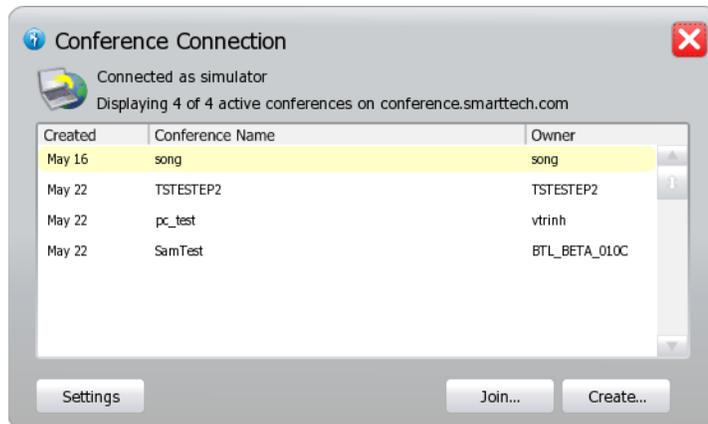
You've created a Bridgit software conference.

## To join a Bridgit software conference

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Collaborate**.

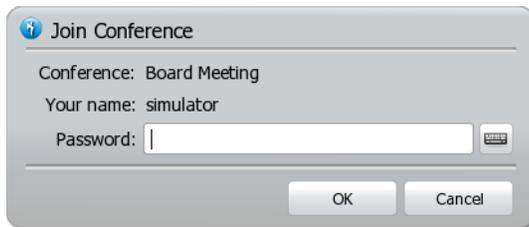


3. Press **Join Conference**.  
The *Conference Connection* dialog box appears.



4. Select the Bridgit software conference you want to join, and then press **Join**.

If the Bridgit software conference owner has assigned a password for joining the conference, the *Join Conference* dialog box appears. Proceed to step 5.



OR

If the Bridgit software conference owner has not assigned a password for joining the conference, the Bridgit software conference screen appears. Don't proceed to step 5.

5. In the **Password** box, type the password, and then press **OK**.

The Bridgit software conference screen appears.

You've joined an existing Bridgit software conference.

### Using Bridgit Conferencing Software

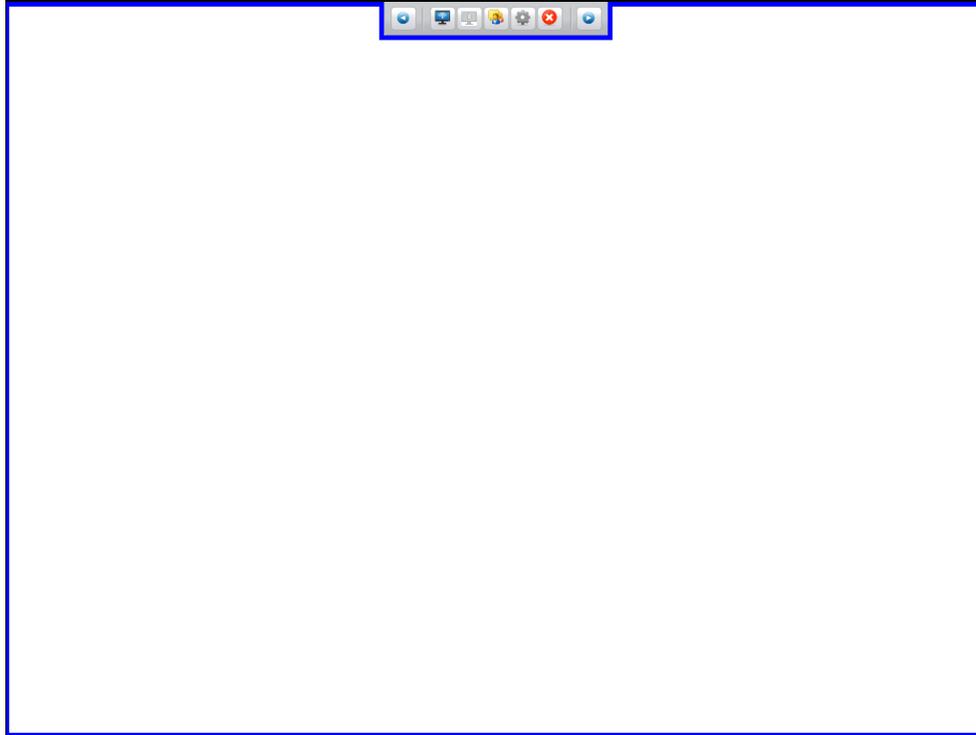
After creating or joining a Bridgit software conference, you can:

- share your display with other participants
- view other participants' displays
- chat with other participants

## To share your display

1. Press **Share This Display** or **Share** .

A blue border appears around your display.



**NOTE:** If you're a participant in another person's Bridgit software conference, the other person must approve your request before you can share your display.

2. Open a Whiteboard file or a computer or video source session.

For information on Whiteboard files, see page 50.

For information on computer and video source sessions, see page 68 and page 71.

You've shared your display with the other participants in the Bridgit software conference. The other participants can view and contribute to the Whiteboard files and computer and video sessions you open.

## To stop sharing your display

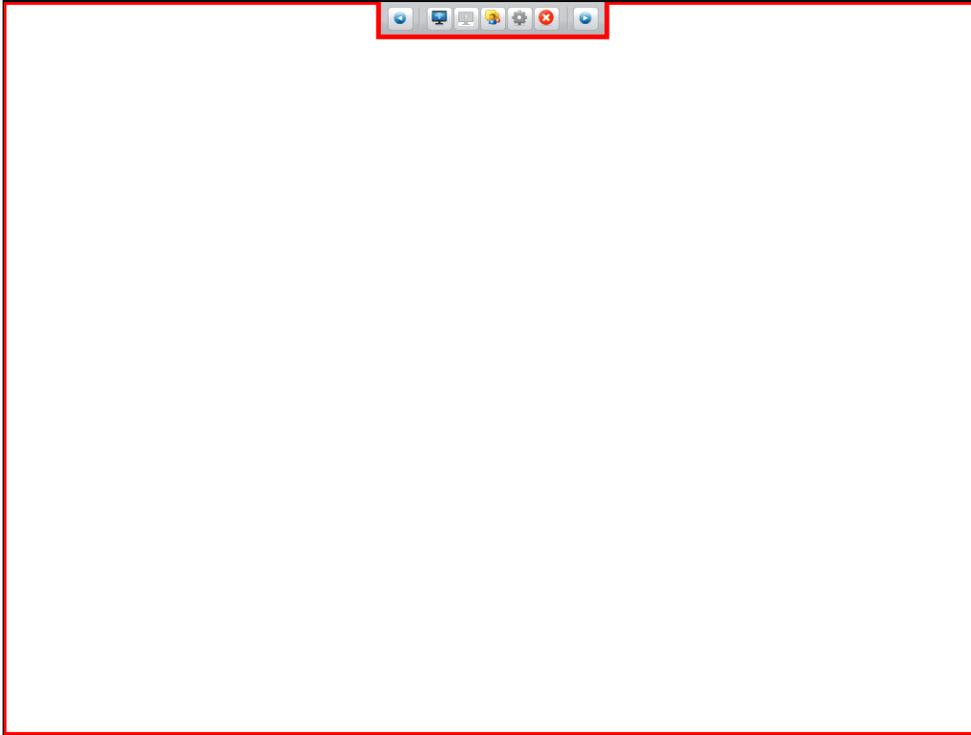
Press **Stop Sharing** .

The blue border around your display disappears.

You've stopped sharing your display with the other participants in the Bridgit software conference.

## To view another participant's display

Other participants can share their displays. When they do, a red border appears around the display.

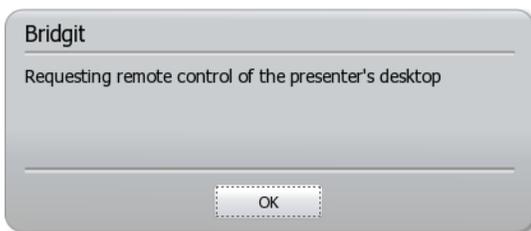


Depending on how the owner or presenter configures the Bridgit software conference settings (see page 66), you can draw digital ink on the participant's display or request remote control of the other participant's display.

## To request remote control of another participant's display

Press **Request Remote Control** .

The *Request for Remote Control* dialog box appears on the other participant's display, and the *Bridgit* dialog box appears on your display.



If the other participant presses **Yes** in the *Request for Remote Control* dialog box, you can control the other participant's display from your display.

## To relinquish remote control of another participant's display

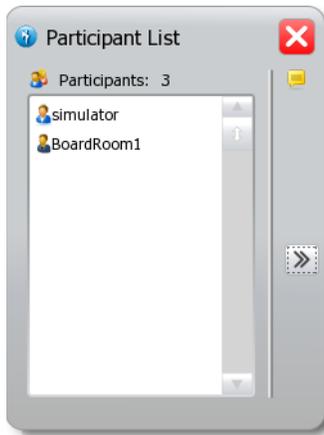
Press **Relinquish Remote Control** .

You've relinquished remote control of the other participant's display.

## To chat with other participants

1. Press **Participant List** .

The *Participant List* dialog box appears.



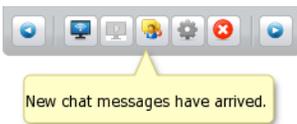
2. Press .

3. Type a message.

4. Press **Send**.

You've sent a chat message to all participants in the Bridgit software conference.

**NOTE:** If another participant sends you a chat message and the *Participant List* dialog box isn't open, a message appears below the Bridgit conferencing software toolbar:



## Configuring the Bridgit Software Conference Settings

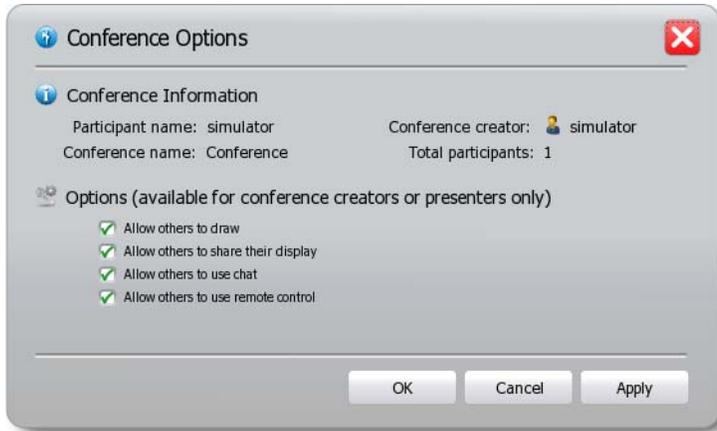
If you're the owner or presenter of a Bridgit software conference, you can configure whether other participants can:

- draw digital ink notes when you're sharing your display
- share their displays
- chat
- request remote control when you're sharing your display

## To configure the Bridgit software conference settings

1. Press **Options** .

The *Conference Options* dialog box appears.



2. Select the **Allow others to draw** check box to allow other participants to draw digital ink notes when you're sharing your display.
3. Select the **Allow others to share their desktop** check box to allow other participants to share their displays.
4. Select the **Allow others to use chat** check box to allow other participants to chat.
5. Select the **Allow others to use remote control** check box to allow other participants to request remote control when you're sharing your display.
6. Press **OK**.

### Leaving a Bridgit Software Conference

You can leave a Bridgit software conference at any time.

If you're the owner of the conference, the conference ends when you leave. Bridgit conferencing software automatically disconnects the other participants in the conference.

If you're not the owner of the conference, the conference continues until the owner leaves.

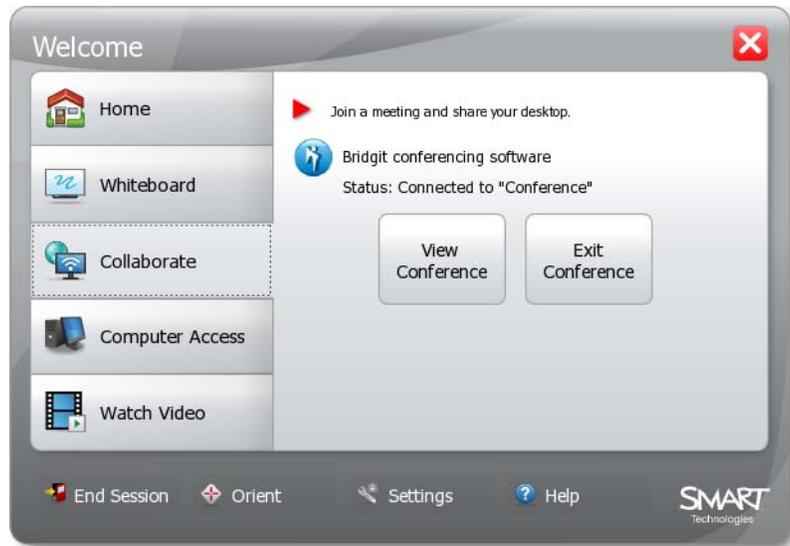
## To leave a Bridgit software conference

Press **Exit Conference** .

OR

Complete the following steps:

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Collaborate**.



3. Press **Exit Conference**.  
You've left the Bridgit software conference.

## Connecting to Computers and Video Sources

After connecting the 600i interactive whiteboard system to a computer or video source, you can view the computer or video source's input on your SMART product's interactive screen.

**NOTE:** You can connect a computer with Notebook software 9.7 SP1 or later to the 600i interactive whiteboard system and use the digital ink features of the software. The 600i interactive whiteboard system doesn't support earlier versions of Notebook software.

## To connect to a local computer

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Computer Access**.



OR

Press **Watch Video**.



**NOTE:** The computer input that appears in the **Watch Video** tab isn't connected to the interactive whiteboard through the USB or RS-232 interface. Therefore, you can view this input on the interactive whiteboard but you're unable to interact with it through touch.

3. Press one of the computer input buttons.

The computer's input appears.

You've connected to a local computer.

### To connect to a LinQ software client computer

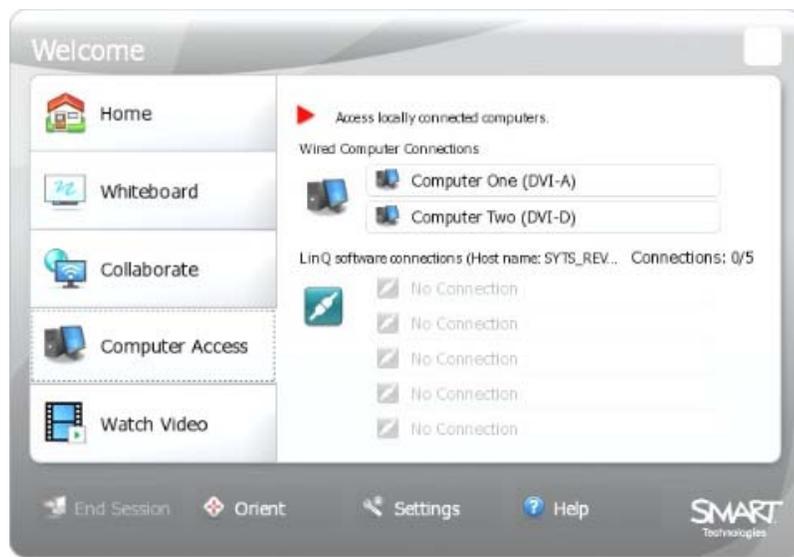
1. Start LinQ software on the client computer.

**NOTE:** You can download LinQ software for client computers from the [SMART Technologies website](#).

2. Press **Menu**.

The Welcome Center appears.

3. Press **Computer Access**.



4. Press one of the buttons in the **LinQ Connected Clients** group box.

The computer's input appears.

You've connected to a LinQ software client computer.

## To connect to a video source

1. Press **Menu**.  
The Welcome Center appears.
2. Press **Watch Video**.



3. Press one of the video source input buttons.  
The video source's input appears.

You've connected to a video source.

## Using Your SMART Board 600i Interactive Whiteboard System with Computer and Video Source Inputs

When viewing computer or video source input, you can draw digital ink notes on the display. If you want to save your digital ink notes, you can take a screen capture of the display.

## To draw digital ink

1. Pick up a pen from the pen tray.  
OR

Press **Pen** .

The pen toolbar appears.



2. In the pen toolbar, select color and thickness options.
3. Draw digital ink.

### To erase digital ink

1. Pick up the eraser from the pen tray.

OR

Press **Eraser** .

2. Erase digital ink.

### To clear the display

Press **Clear**.

Your digital ink notes clear from the display.

### To freeze the display

Press **Freeze**.

The display freezes.

**NOTE:** To unfreeze the display, press **Resume**.

#### IMPORTANT



Pressing **Freeze** only freezes the image on the display. It does not pause the computer or video input.

### To take a screen capture

1. Press **Capture**.
2. Press **Menu**.

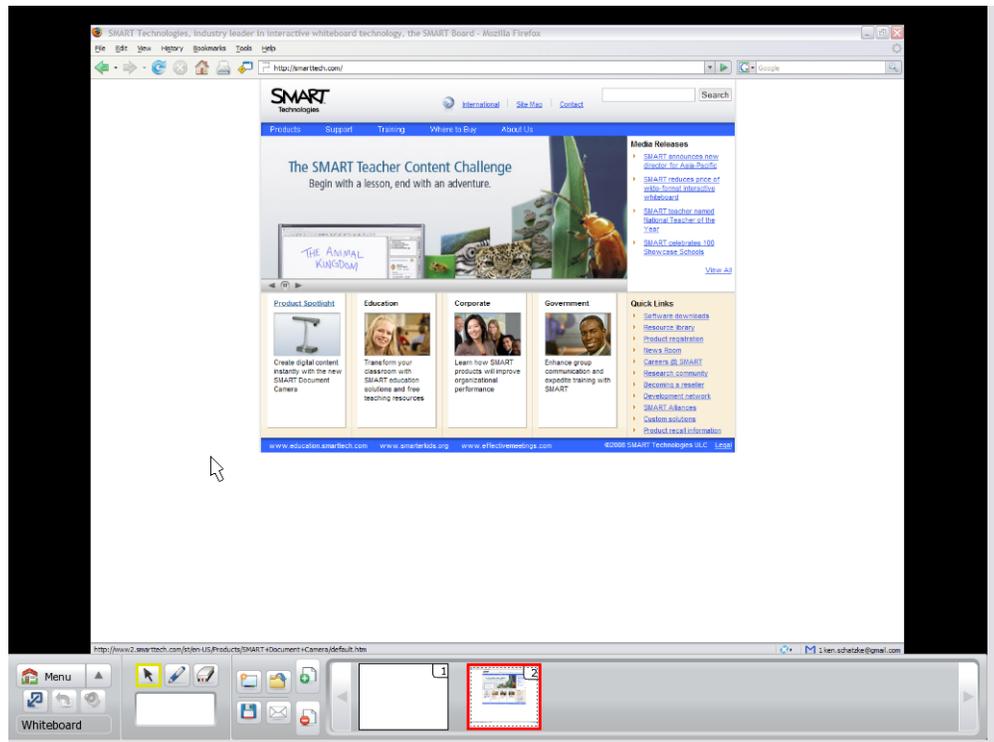
The Welcome Center appears.

3. Press **Whiteboard**.



4. Press **Whiteboard**.

A Whiteboard file opens. The last page in the file contains a screen capture of the display.



## Ending a Firmware Session

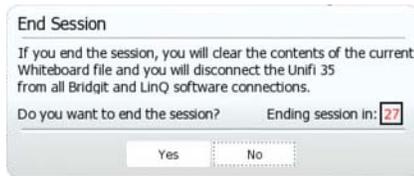
When you've finished using the firmware, you can end your session. Ending your session:

- closes open Whiteboard files
- closes open Bridgit software conferences
- disconnects LinQ software client computers

### To end a firmware session

1. Press **Menu**, and then press **End Session**.

The *End Session* dialog box appears.



2. Press **Yes**.

The *Save Changes?* dialog box appears.



3. Press **Save** to save the changes.

OR

Press **E-mail** to e-mail the changes.

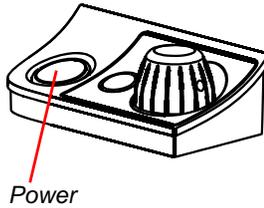
OR

Press **Discard** to discard the changes.

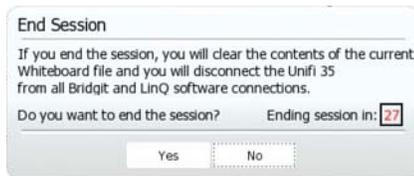
The firmware session ends, closing open Whiteboard files and Bridgit software conferences and disconnecting LinQ software client computers.

## To end a firmware session and turn off the Unifi 35 projector

1. Press **Power** on the control module (on the left side of the pen tray).

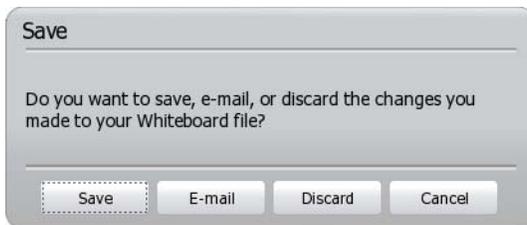


The *End Session* dialog box appears.



2. Press **Yes**.

The *Save Changes?* dialog box appears.



3. Press **Save** to save the changes.

OR

Press **Discard** to not save the changes.

The firmware session ends, closing open Whiteboard files and Bridgit software conferences and disconnecting LinQ software client computers. The projector lamp goes off, the cooling fans continue running, and the indicator ring blinks red for two minutes. During these two minutes, you can't restart the projector.

After two minutes, the second stage of cooling begins: the indicator ring turns white and the fans run for three minutes. During this stage, you can restart the projector. At the end of the cycle, the indicator remains white and the fans stop, indicating that the system is in full standby.



# Customer Support

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## Online Support

Visit [www.smarttech.com/support](http://www.smarttech.com/support) to view and download user's guides, "how-to" and troubleshooting articles, software and more.

## Training

Visit [www.smarttech.com/trainingcenter](http://www.smarttech.com/trainingcenter) for training materials and information about our training services.

## Contacting SMART Technical Support

SMART Technical Support welcomes your call. However, if you experience difficulty with your SMART product, you may want to contact your local reseller first. Your local reseller may be able to resolve the issue without delay.

All SMART products include online, telephone, fax and e-mail support:

<b>Online:</b>	<a href="http://www.smarttech.com/contactsupport">www.smarttech.com/contactsupport</a>
<b>Telephone:</b>	+1.403.228.5940 or Toll Free 1.866.518.6791 (U.S./Canada) (Monday to Friday, 5 a.m. – 6 p.m. Mountain Time)
<b>Fax:</b>	+1.403.806.1256
<b>E-mail:</b>	<a href="mailto:support@smarttech.com">support@smarttech.com</a>

## General Inquiries

<b>Address:</b>	<b>SMART Technologies</b> 1207 – 11 Ave SW, Suite 300 Calgary, AB T3C 0M5 CANADA
<b>Switchboard:</b>	+1.403.245.0333 or Toll Free 1.888.42.SMART (U.S./Canada)
<b>Fax:</b>	+1.403.228.2500
<b>E-mail:</b>	<a href="mailto:info@smarttech.com">info@smarttech.com</a>

## **Warranty**

Product warranty is governed by the terms and conditions of SMART's "Limited Equipment Warranty" that shipped with the SMART product at the time of purchase.

## **Registration**

To help us serve you, register online at [www.smarttech.com/registration](http://www.smarttech.com/registration).

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