

Replacing the SC9 Controller Module on Your SMART Board™ 600 Series Interactive Whiteboard (FRU-SC9-INF)

This kit contains:

- a replacement SC9 controller module
- a spare pan-head screw to attach the SC9 controller module
- a hex screw to attach the grounding cable to a model SB640, SB660 and SB680 interactive whiteboards
- a wafer-head screw to attach the grounding cable to a model SB690 interactive whiteboard
- an anti-static wrist strap
- a SMART Board™ software CD
- a hex key

Tools required (but not included):

- a Phillips® No. 2 screwdriver

These instructions guide you through the replacement of the SC9 controller module on your SMART Board 600 series interactive whiteboard.

We provide these instructions to customers who use the standard USB connection to their interactive whiteboard, as well as those customers who have installed optional modules (such as the RS-232 serial module or the Wireless Bluetooth® Connection). As you follow these instructions, make sure you use the appropriate instructions for your particular module.

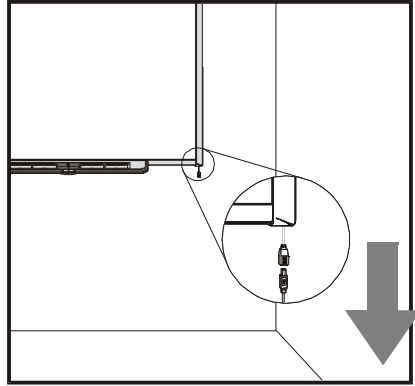
To replace the controller, you must:

- prepare the interactive whiteboard (page 2)
- remove the interactive whiteboard from the wall, if applicable (page 3)
- remove the expansion module, if applicable (page 4)
- remove the original controller (page 7)
- install the replacement controller (page 8)
- return the expansion module, if applicable (page 10)
- return the interactive whiteboard to the wall (if applicable) (page 13)
- prepare the interactive whiteboard for general operation (page 15)
- upgrade SMART Board software to version 9.7, if applicable (page 16)
- set the screen size of the interactive whiteboard (page 16)

To prepare the interactive whiteboard

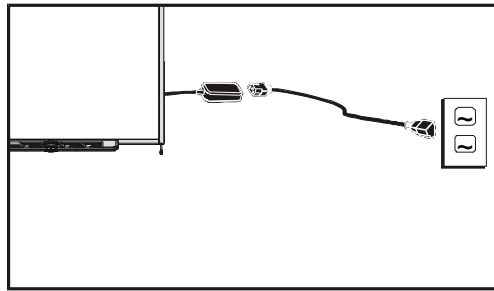
Standard Connection (USB)

Detach the USB cable from the USB receptacle at the bottom right of the interactive whiteboard.



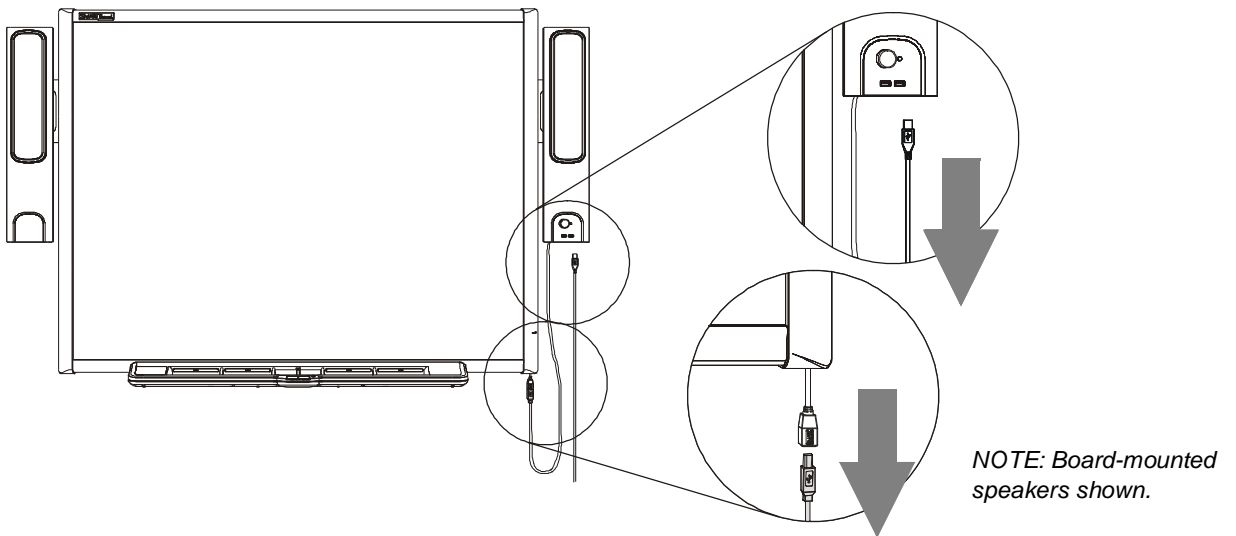
Optional Module Connection (RS-232 Serial or Wireless Bluetooth Connection)

Unplug the power cable from the adapter and from the power outlet.



Optional Speaker Connection

Detach the USB cable from the bottom of the right speaker and from the USB receptacle at the bottom right of the interactive whiteboard.

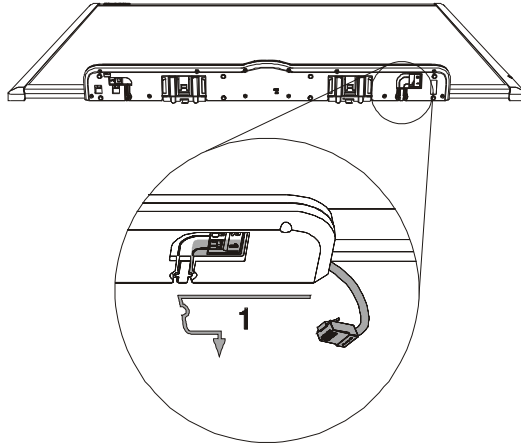


NOTE: Board-mounted speakers shown.

To remove the interactive whiteboard from the wall

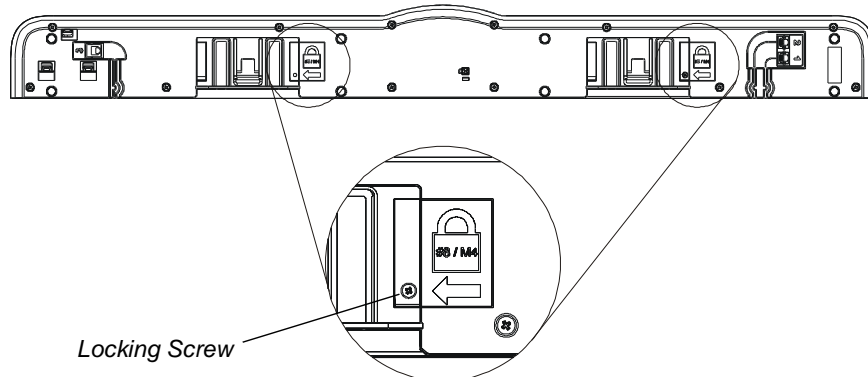
The following directions are for accessing the back of a wall-mounted interactive whiteboard. If your model is mounted on a floor or table stand, proceed to the section on page 4, *To remove an expansion module*.

1. Remove the pens and eraser from the pen tray.
2. Detach the modular plug from jack 1 at the bottom-right of the pen tray, and then free the cable from the cable management channel.

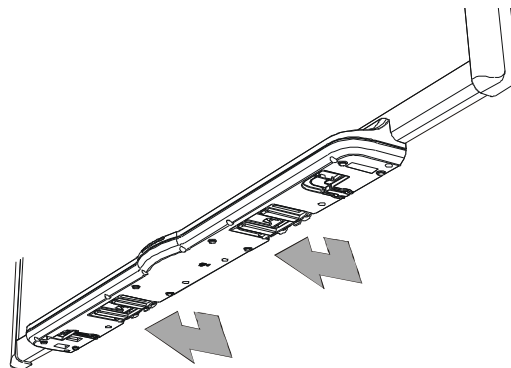


3. If applicable, remove the locking screws that secure the pen tray to the pen tray brackets.

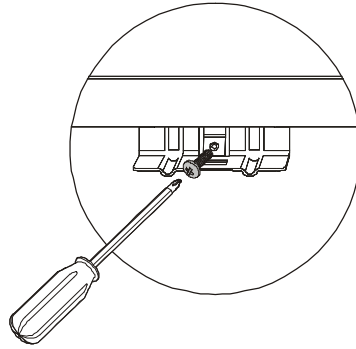
NOTE: Your model may not have this feature.



4. Release the pen tray from its support brackets by gently pulling down on the tab locks, and then slide the pen tray off its support brackets.



5. Use a Phillips No. 2 screwdriver to remove the screws that secure the two pen tray brackets to the wall.

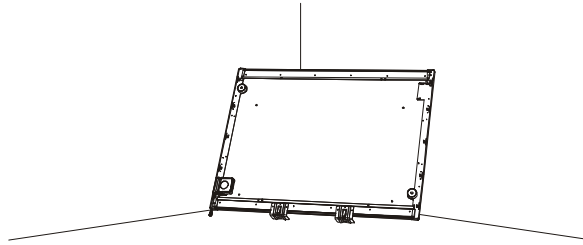


6. With the help of another person, lift the interactive whiteboard off its wall bracket. Be careful as you do this if there are still cables attached to it.

CAUTION



Do not place the interactive whiteboard facedown, because this might damage the front surface. Instead, lean it against a wall and rest it on its pen tray brackets.



To remove an optional expansion module from the SC9 USB controller

IMPORTANT

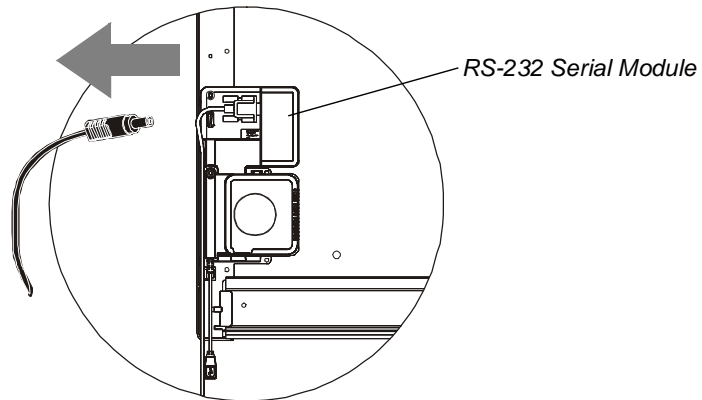


Wear the supplied antistatic wrist strap while you complete the following procedures. To do this, unwrap 12" (30.0 cm) of the band and wrap the adhesive side around your wrist. Then unroll the rest of the band and remove the liner from the copper tape. Finally, attach the copper tape to an electrical ground.

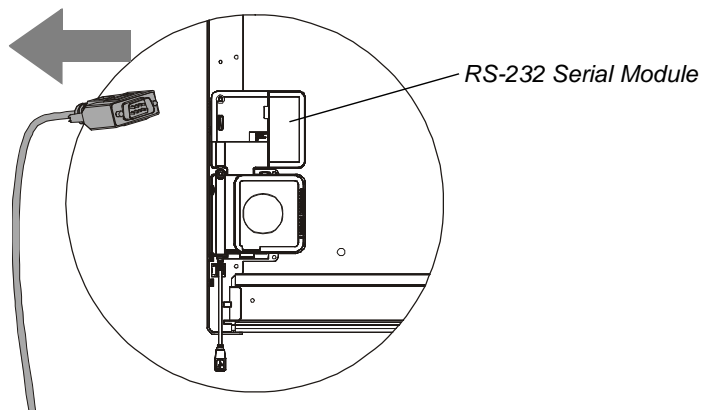
If applicable, you must remove the optional serial module (page 5) or the module for wireless connectivity (page 6) before you can remove the original controller. If you have not installed these optional modules, proceed to the section on page 7, *To remove the original controller.*

Removing an Optional Serial Module

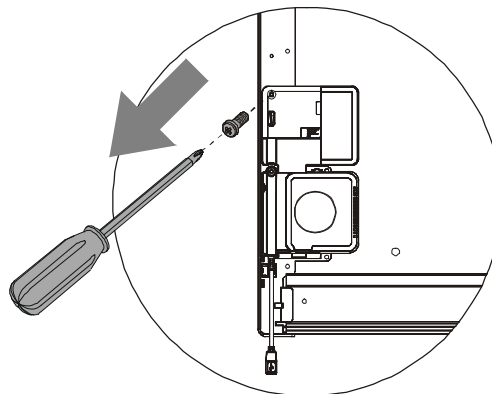
1. Detach the barrel connector from the RS-232 serial module.



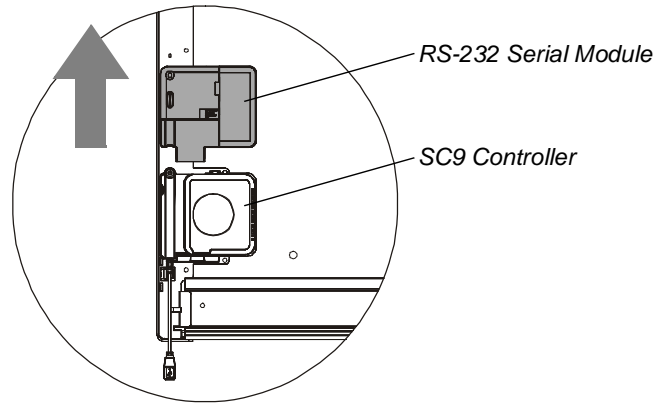
2. Detach the DB9 connector from the RS-232 serial module.



3. Use a Phillips No. 2 screwdriver to remove the screw that secures the RS-232 serial module to the interactive whiteboard. Keep this screw handy, as you'll need it to secure the RS-232 serial module later.

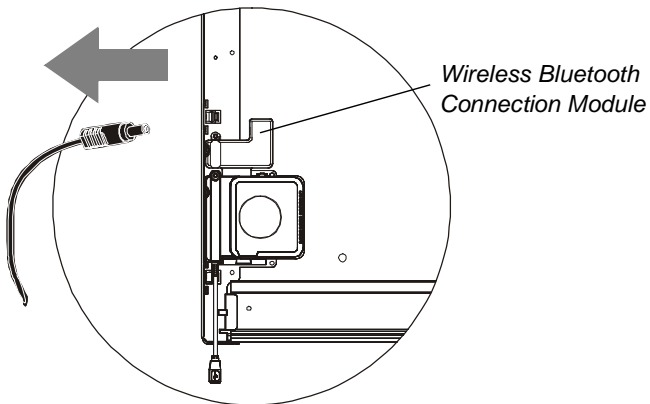


4. Lift the RS-232 serial module off the SC9 controller.

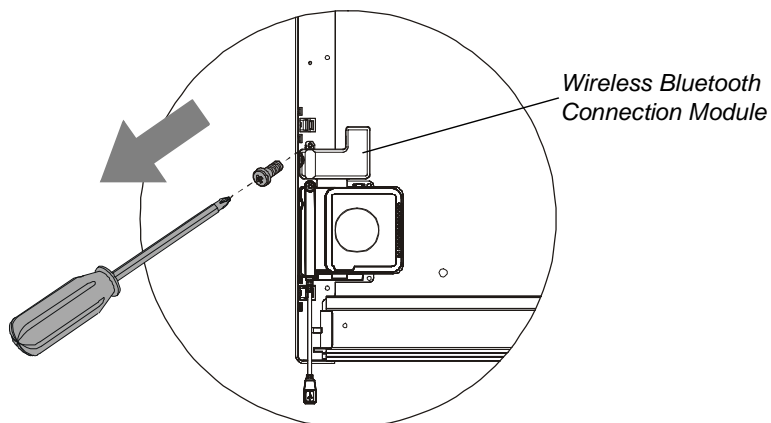


Removing an Optional Wireless Bluetooth Connection (WC6) Module

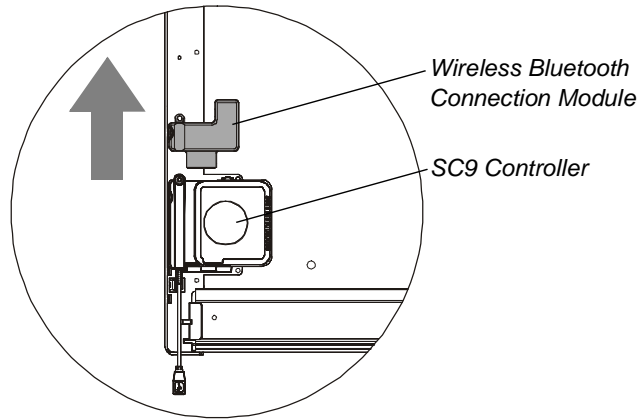
1. Detach the barrel connector from the Wireless Bluetooth Connection module.



2. Use a Phillips No. 2 screwdriver to remove the screw that secures the module to the interactive whiteboard. Keep this screw handy, as you'll need it to secure the module again later.

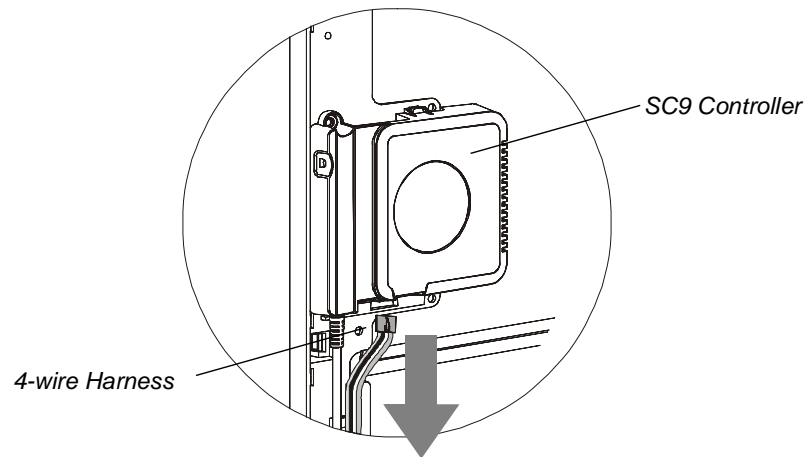


3. Lift the Wireless Bluetooth Connection module off the SC9 controller.

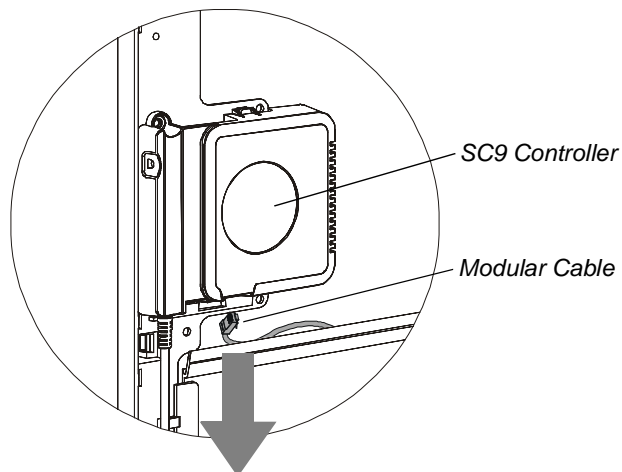


To remove the original controller from the interactive whiteboard

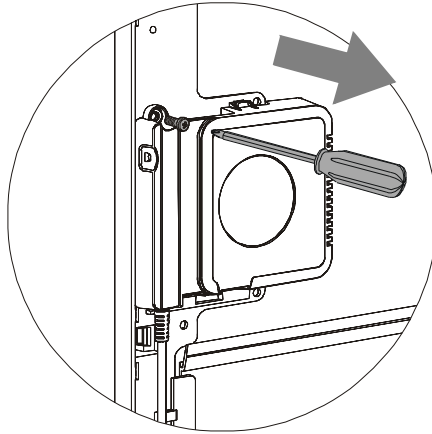
1. Detach the 4-wire harness by pressing its tab lock and then removing it from its port at the bottom of the SC9 controller.



2. Detach the modular plug by pressing its tab lock and then removing it from its jack at the bottom of the controller.



3. Use a Phillips No. 2 screwdriver to remove the screw that secures the SC9 controller in place. Keep this screw handy, as you will need it to install the replacement controller.

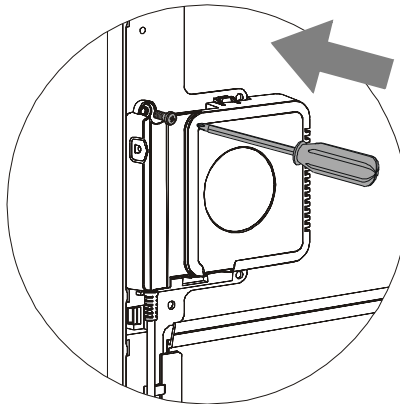


4. Lift the SC9 controller off its mount, and return it to SMART Technologies as advised by Technical Support.

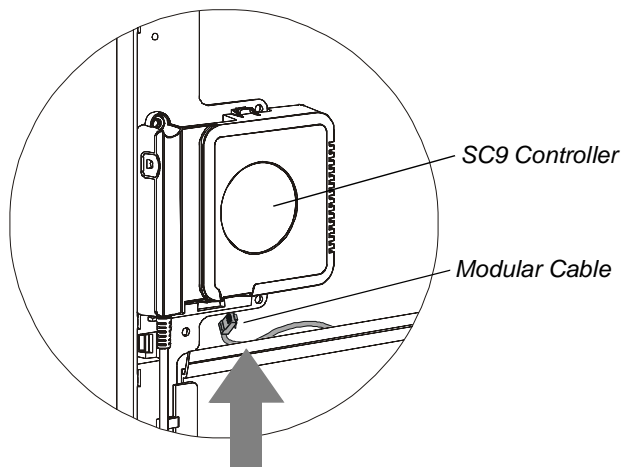
To install the replacement controller on the interactive whiteboard

1. Insert the replacement SC9 controller into its mount and secure it using the screw you removed previously.

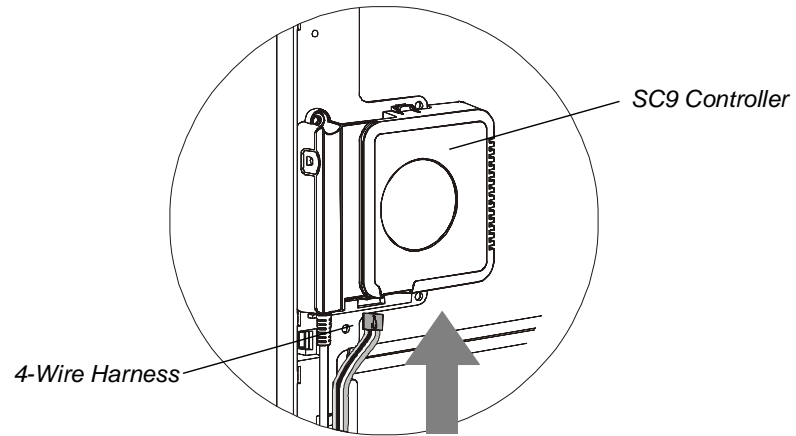
NOTE: This kit contains one spare screw, in case you misplace the original.



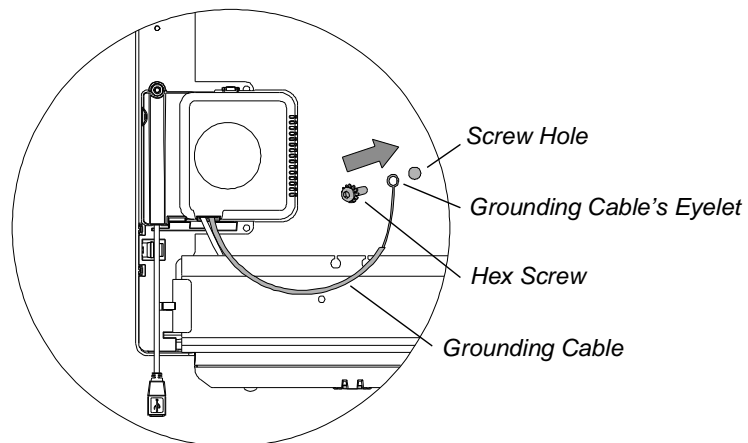
2. Insert the modular plug into its jack until the tab lock clicks into place.



3. Insert the 4-wire harness connector into its jack until the tab lock clicks into place.



4. To attach the grounding cable, insert the hex screw through the cable's eyelet and, using the provided hex key, turn the screw into the screw hole. This step applies only to SB640, SB660 and SB680 model interactive whiteboards.



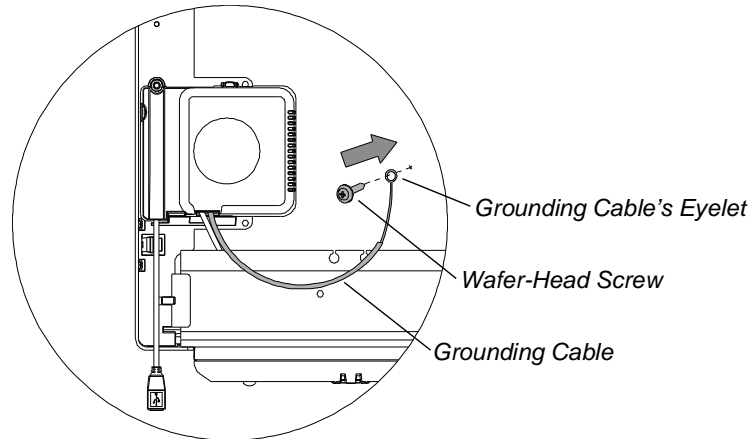
- To attach the grounding cable on a SB690 interactive whiteboard, insert the wafer-head screw through the cable's eyelet and, using a Phillips No. 2 screwdriver, turn the screw into the interactive whiteboard. No pilot hole is required.

CAUTION



Do not use power tools.

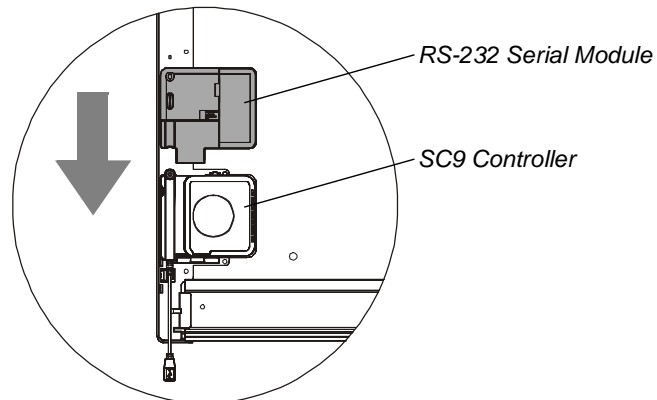
- NOTE:** Creating a new hole when you turn the screw into the interactive whiteboard will not damage the interactive whiteboard.



To return an expansion module to the SC9 USB controller

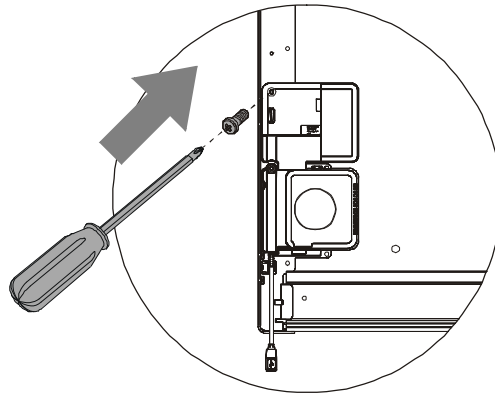
Returning the serial module

- Insert the RS-232 serial module into the SC9 controller.

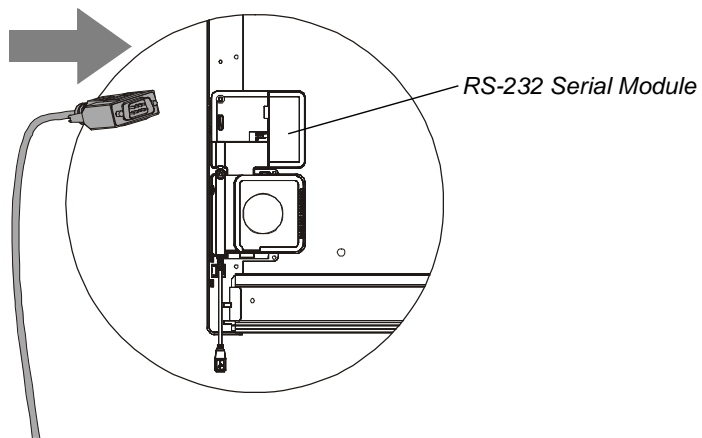


- Secure the RS-232 serial module using the screw you removed in step 3 on page 5.

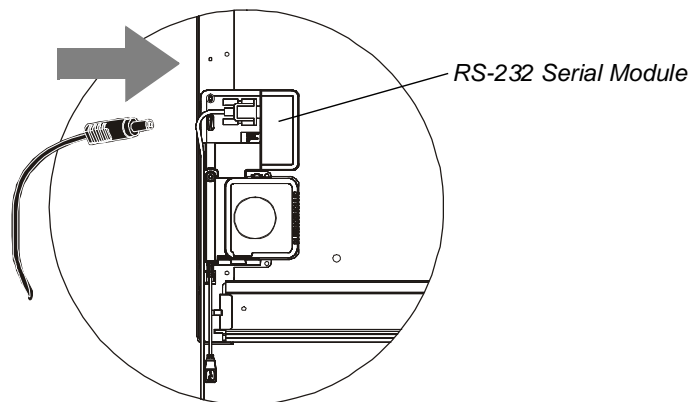
NOTE: This kit contains one spare screw.



- Attach the DB9 connector to the RS-232 serial module.

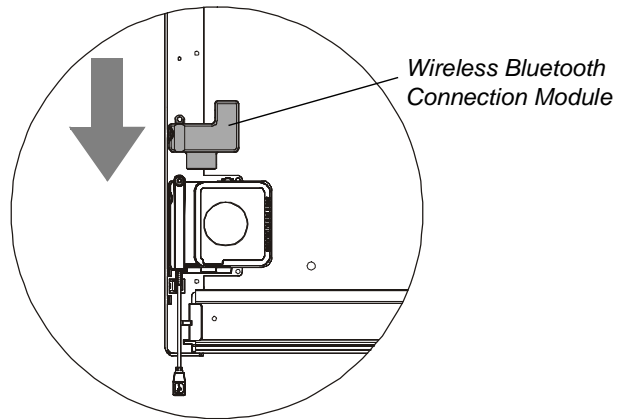


- Attach the barrel connector to the RS-232 serial module.



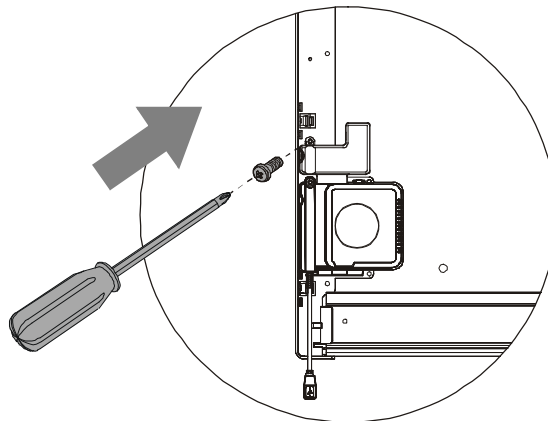
Returning the Wireless Bluetooth Connection module

1. Insert the Wireless Bluetooth Connection module into the SC9 controller.

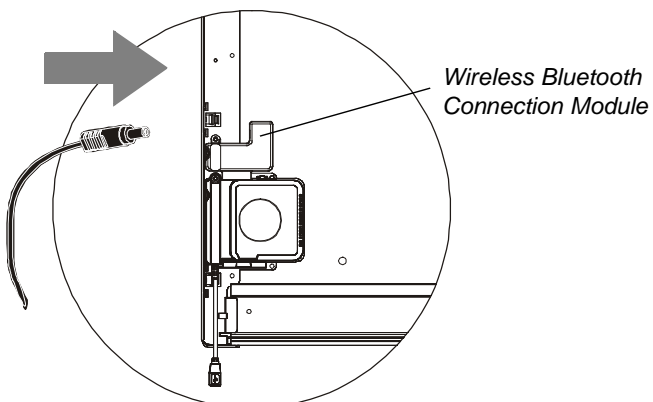


2. Secure the module using the screw you removed in step 2 on page 6.

NOTE: This kit contains one spare screw, in case you misplace the original.



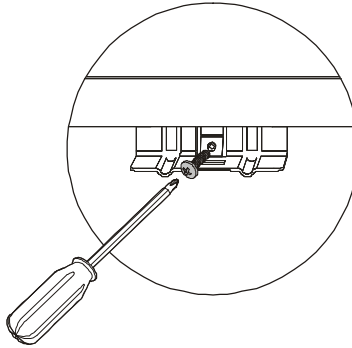
3. Connect the power barrel connector to the module.



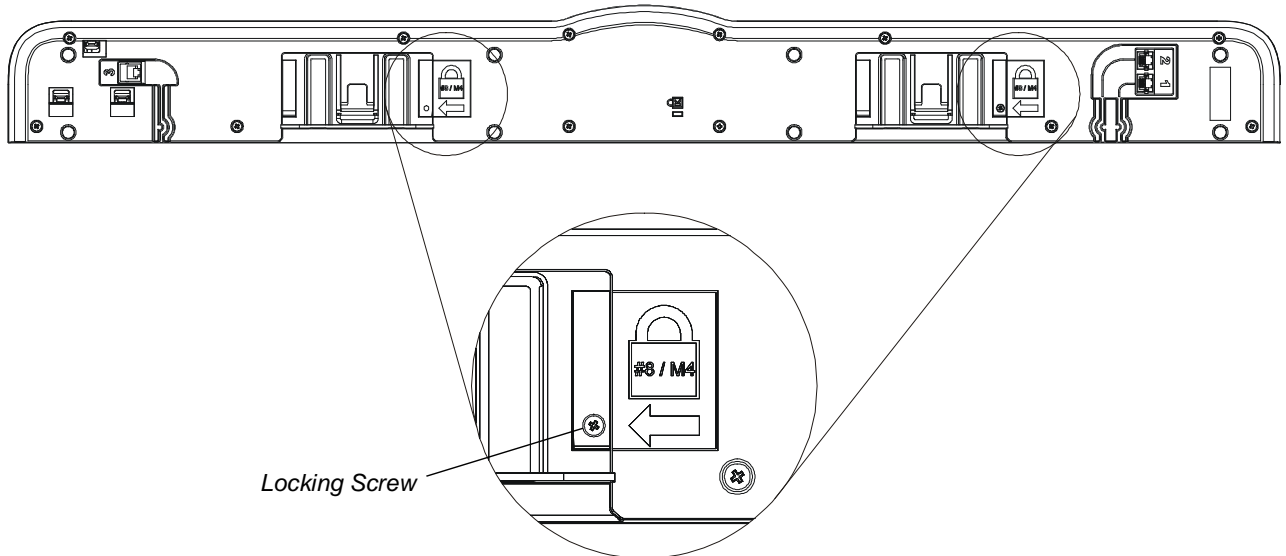
To return the interactive whiteboard to the wall

If you use your interactive whiteboard on a floor or table stand, proceed to the section on page 15 *To prepare your interactive whiteboard for general operation.*

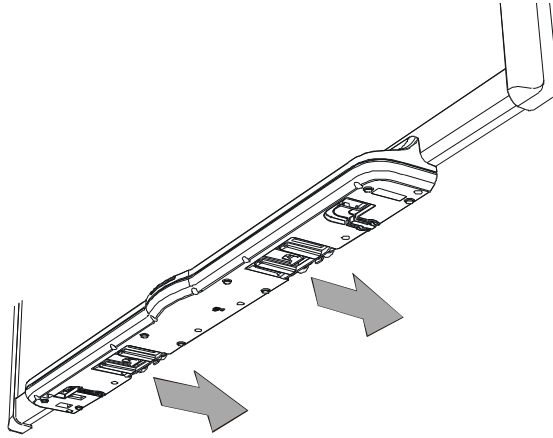
1. With the help of another person, lift the interactive whiteboard onto its wall bracket.
2. Use a Phillips No. 2 screwdriver to replace the two screws that secure the pen tray brackets to the wall.



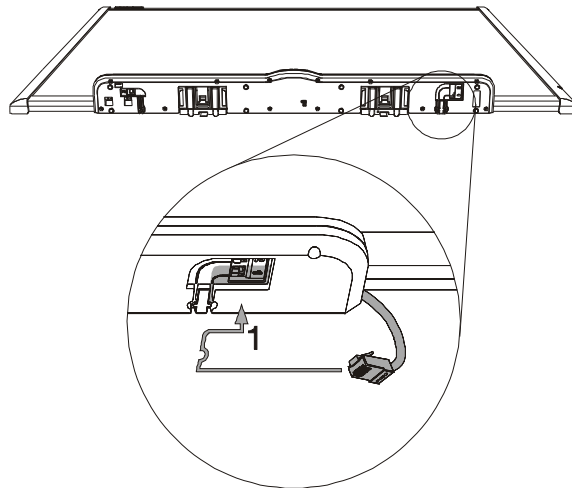
3. If applicable, replace the locking screws that secure the pen tray to the pen tray brackets.



- Slide the pen tray onto its support brackets until the pen tray rests snugly against the bottom frame and the pen tray clicks into place.



- Route the modular cable through the cable management channel and insert its plug into jack 1.

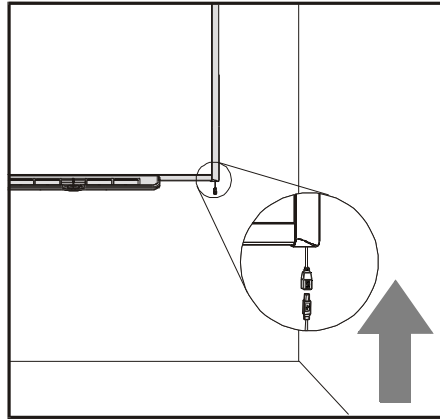


To prepare the interactive whiteboard for general operation

1. Return the pens and eraser to their places on the pen tray if you removed them previously.

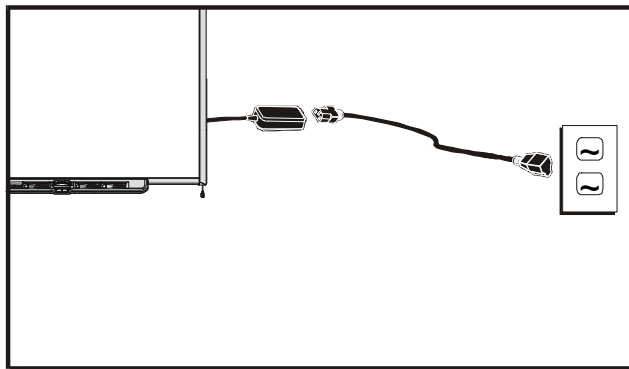
Standard Connection (USB)

Attach the USB cable to the USB connector at the bottom right of the interactive whiteboard.



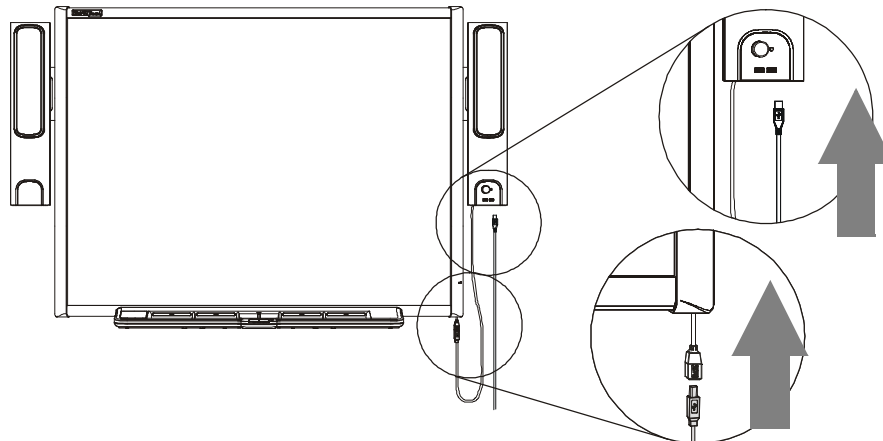
Optional Module Connection (RS-232 Serial or Wireless Bluetooth Connection)

Plug the power cable into the adapter and to the power outlet.



Optional Speaker Connection

Attach the USB cable to the bottom of the right speaker.



NOTE: Board-mounted speakers shown.

To upgrade SMART Board software to version 9.7

Your computer must be running SMART Board software version 9.7 to work with your new SC9 USB controller.

You can determine your version by selecting the SMART Board icon in the system tray (Windows) or in the Dock (Mac) and then by selecting **Control Panel > About Software and Product Support**.

If you are not currently running SMART Board software version 9.7:

1. Insert the provided CD into your computer's CD drive.

2. If AutoPlay is not enabled then:

Windows

a. Select **Start > Run**.

b. Type **x:\autorun.exe** in the *Run* window (where "x" is the letter of your CD drive).


c. Click **OK**.

Mac

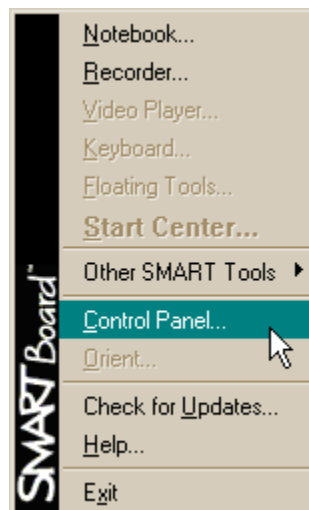
a. Double-click the **SMART Board Software install CD** icon. (A Finder window opens.)

b. Double-click the **SMART Board Software** icon and follow the on-screen instructions.

To set the screen size of the interactive whiteboard

1. Select the **SMART Board** icon  in the system tray (Windows) or in the Dock (Mac).

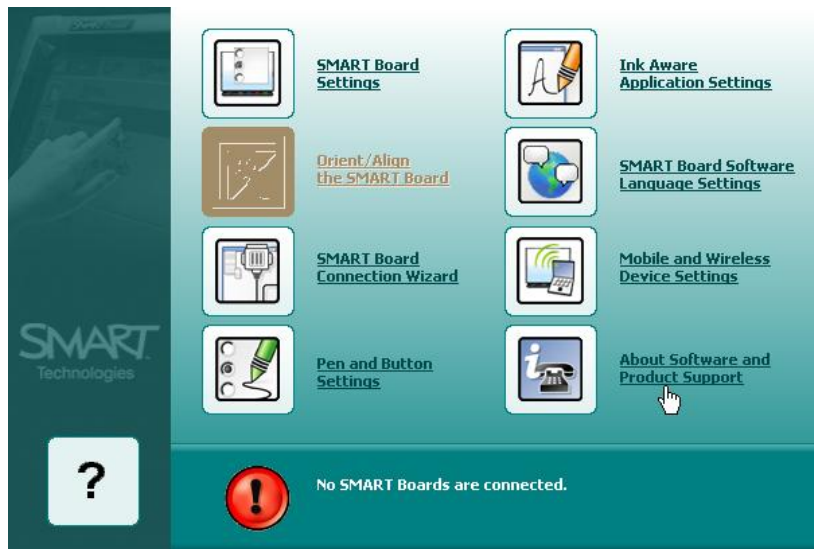
The *SMART Board Menu* appears.



2. Select **Control Panel**.

The *Control Panel* appears.

3. Select the **About Software and Product Support** link or icon.



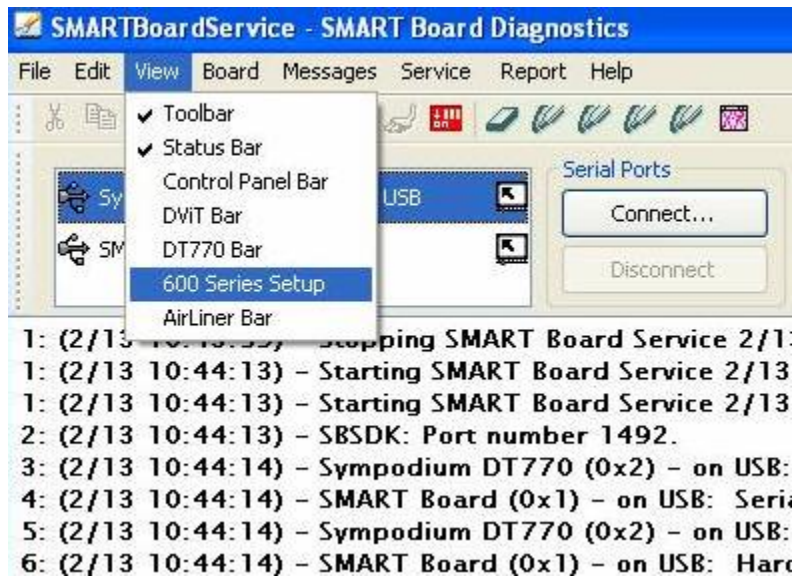
The *SMART Technical Support* window appears.

4. Select the **Diagnostics** link or icon.

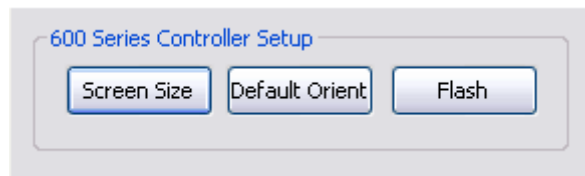


The *SMART Board Diagnostics* window appears.

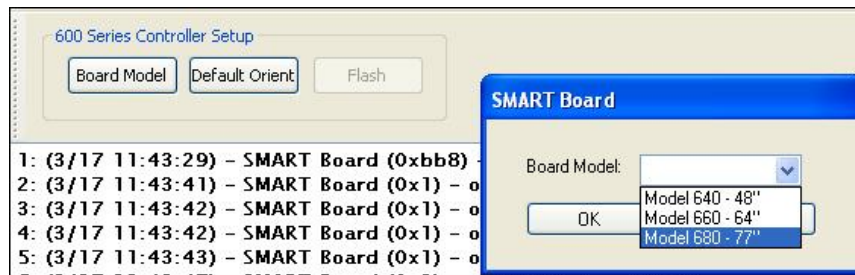
5. Select **View > 600 Series Setup**.



The *600 Series Controller Setup* buttons appear.



6. Click the **Screen Size** button, select the appropriate size of your interactive whiteboard and then click **OK**.



7. Click the **Default Orient** button.

A two point, non-projected orientation screen appears.



8. Follow the on-screen directions.

Tell Us What You Think

We value your feedback. Please send comments, suggestions or concerns about this document to TechnicalDocumentation@smarttech.com.

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