

UNIVERSITY
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AT PINE BLUFF

1873

***Classroom Projection Systems /
Web Conferencing User Guide***

OVERVIEW

In each classroom, one (1) wall-mounted button pad controller is present. The button pad features control as listed below:

- Power ON / OFF
- Projector Power ON / OFF via Source Selection (Laptop)
- Camera ON
- Camera PTZ & Zoom, Preset Save / Recall
- Volume UP / DOWN
- Mute

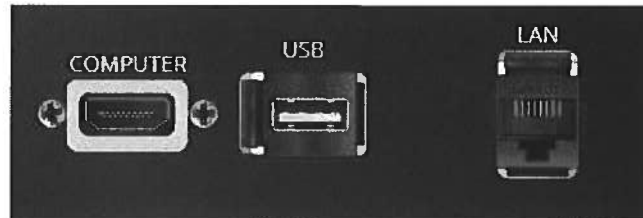


Button Functions

- **LAPTOP** Route Laptop's HDMI to the projector
- **CAMERA** Routes the camera video to the projector; Hold for 5s to save preset
- **ZOOM I/O** Switches between up / down and zoom in / zoom out functions
- **^ / IN** Move camera up / zoom in
- **v / OUT** Move camera down / zoom out
- **<** Move camera left
- **>** Move camera right
- **POWER (** Press to recall camera preset; Hold for 5s to turn projector off
- **MUTE |** Mute and unmute the room speaker audio
- **KNOB kj** Turn the room speaker volume up / down
- **SOLSTICE** Route Solstice Pod to projector (phone/tablet/wireless presentations)

Laptop Connections

A cable bundle consisting of one (1) HDMI cable, one (1) USB cable, and one (1) Network Jack cable plugs directly into the rack plate for laptop connectivity.



The COMPUTER port on the rack plate is used to launch a presentation/image onto the whiteboard using the projector via an HDMI cable plugged into the COMPUTER port and the other end of the HDMI cable plugged into the HDMI port on a laptop.

The USB 3.0 port on the rack plate is used for in room microphone audio and camera video for web conferencing. The other end of the USB cable is plugged into the USB port on a laptop.

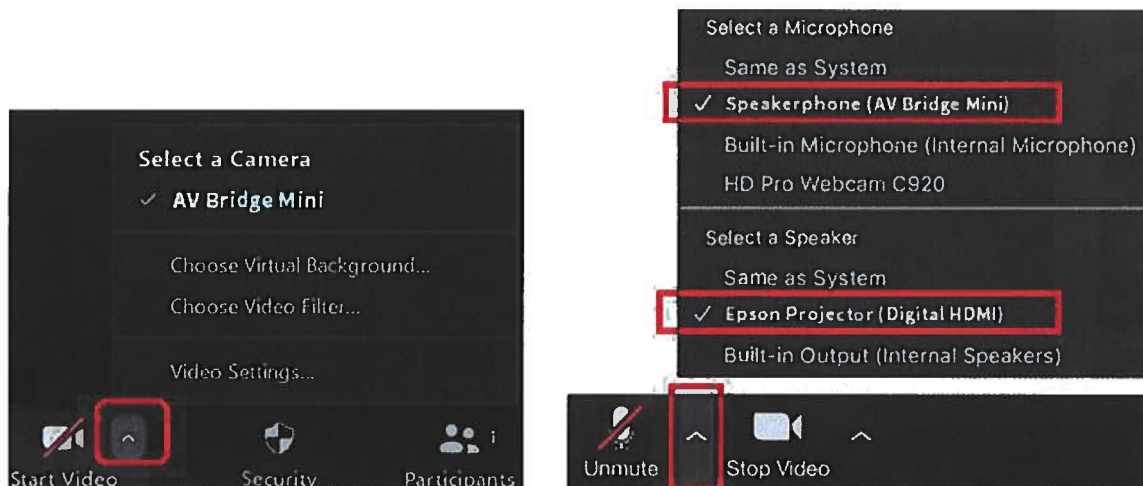
The “LAN” port allows a connection to the UAPB network where a wall network jack is available and connected in the room.

Starting a Presentation:

1. Turn on laptop and plug in the HDMI cable connected to the rack plate into the HDMI port on the laptop.
2. Plug the USB cable connected to the rack plate into the USB port on the laptop.
3. Press the LAPTOP button on the button pad. The projector will turn on and display the laptop image onto the whiteboard, and the speakers will play laptop media audio.

Starting a Zoom Meeting:

1. Turn on laptop and plug in the HDMI & USB cables connected to the rack plate into the HDMI and USB on the laptop.
2. Press the LAPTOP button on the button pad. The projector will turn on and display the laptop image onto the whiteboard and the speakers will play laptop media and conferencing audio.
3. Launch the web conference software / application from the laptop. Web conference software includes Zoom, MS Teams, etc.
4. Ensure web conference software / application has the correct devices selected for the camera, microphones, and speakers, as shown below:



5. To move the camera, use the ^ v < > buttons on the button pad. Press the ZOOM IN/OUT and use the IN OUT buttons to zoom the camera in and out.
6. When the ZOOM IN/OUT button is lit up blue, the ^ v buttons will zoom the camera in and out.
7. When ZOOM IN/OUT is not lit, the ^ v buttons will move the camera up and down.
8. To save the desired camera position as the default position, hold down the CAMERA button on the button pad for 5 seconds until it flashes.

Turning off the Projector

When you are finished presenting, please turn off the projector by holding down the POWER button for 5 seconds. The POWER button is located above the VOLUME knob. The POWER button will start flashing, indicating the projector is shutting down.

Troubleshooting

- Ensure the HDMI and USB cables are plugged into the front of the rack
- After a source is selected, the POWER button will start flashing and the button pad will be locked out until it stops flashing
- If laptop video does not show on the projector, ensure the HDMI cable is plugged into the laptop and press LAPTOP on the button pad
- If audio plays over the laptop speakers try unplugging and replugging the HDMI cable
- If speaker audio is too loud or soft, adjust the volume knob on the button pad or the laptop volume output level from the Windows taskbar
- Ensure the web conferencing application is installed on the laptop

- **If the camera video does not show up in Zoom, or shows the laptop camera, ensure the USB cable is plugged into the laptop and AV Bridge is selected as the video device**
- **If the projector does not come on when a source is selected, try unplugging and replugging the power cable in the rear of the projector (step ladder required), then select the source again to attempt to turn the projector on**
- **If the camera does not show up on the projector when pressing the CAMERA button, see if the front light on the wall camera is solid Green (Ready) or flashing Red (Failed)**
- **If the camera shows a red flashing light, or another issue is occurring, turn the equipment rack off by flipping the power switch at the top right of the rack, waiting 10 seconds and then flipping it back on.**


Starting a Wireless Presentation (Laptop)

1. Press the “Solstice” button (the projector will turn on and show the solstice)
2. Connect your laptop to the “Solstice_###” wireless network
3. Enter the IP shown at the bottom left into a web browser, e.g. 192.168.43.1
4. Download and run the Solstice application shown in the web browser
5. Enter the 4 digit access code displayed at the bottom left of the solstice

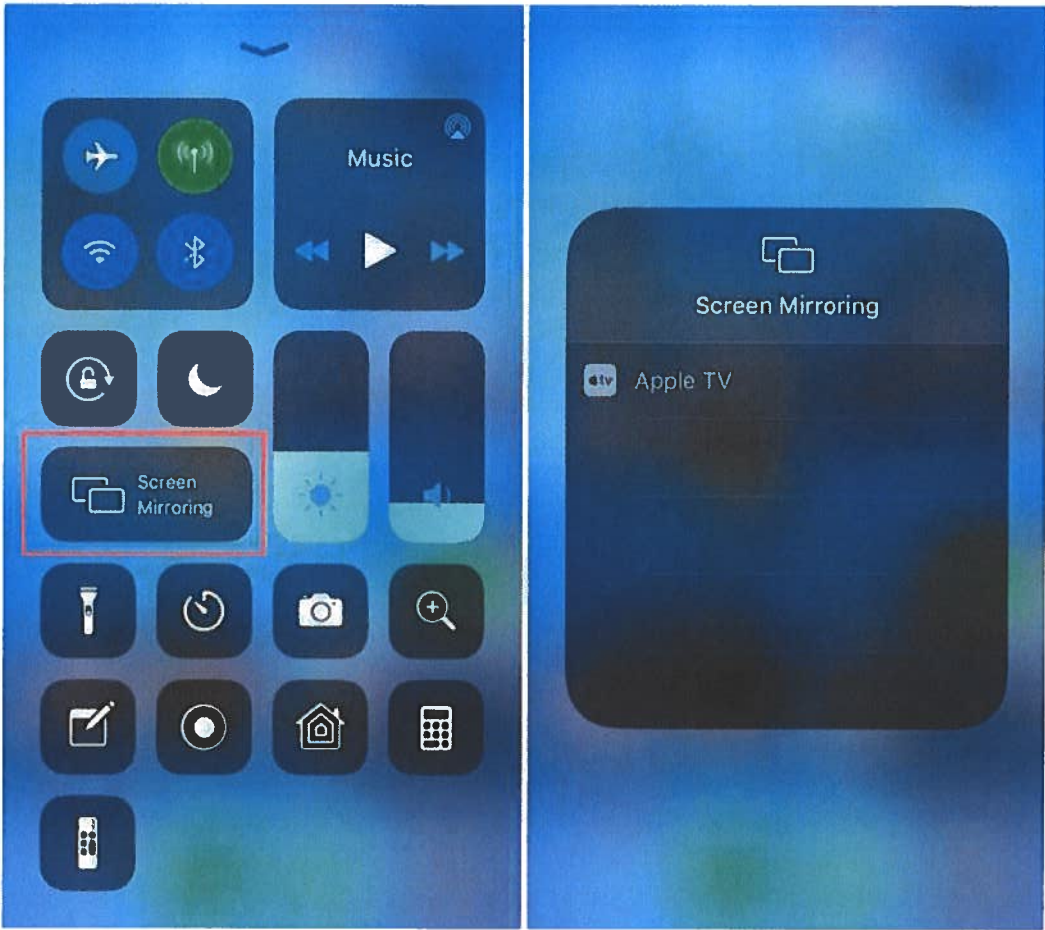
Starting a Wireless Presentation (iPhone / iPad)

1. Press the SOLSTICE button (the projector will turn on and show the solstice)
2. Connect your phone / tablet to the “Solstice_###” wireless network
3. Follow Instructions for “Mirror your iPhone, iPad, or iPod touch to a TV”
4. Enter the 4 digit access code displayed on the screen

Mirror your iPhone, iPad, or iPod touch to a TV

1. Connect your iPhone, iPad, or iPod touch to the same Wi-Fi network as your Apple TV or AirPlay 2-compatible smart TV.
2. Open Control Center:
 - On iPhone X or later or iPad with iPadOS 13 or later: Swipe down from the upper-right corner of the screen.
 - On iPhone 8 or earlier or iOS 11 or earlier: Swipe up from the bottom edge of the screen.
3. Tap Screen Mirroring .
4. Select your Apple TV or AirPlay 2-compatible smart TV from the list.
5. If an AirPlay passcode appears on your TV screen, enter the passcode on your iOS or iPadOS device.

To stop mirroring your iOS or iPadOS device, open Control Center, tap Screen Mirroring, then tap Stop Mirroring. Or press the Menu button on your Apple TV Remote.



Related concepts

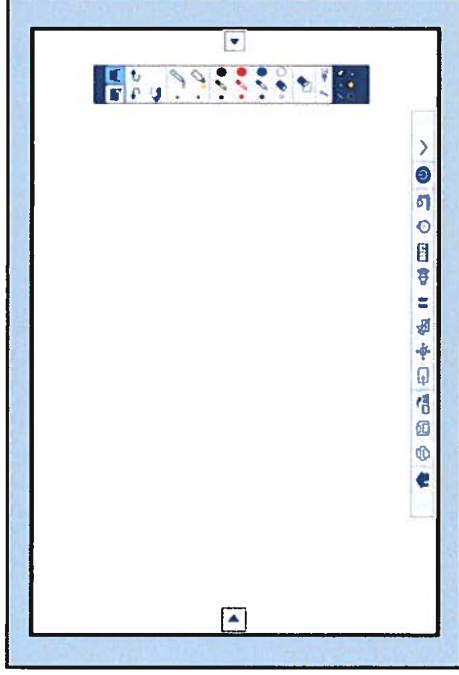
Using BrightLink with a Computer
Using BrightLink Without a Computer

Using the Projected Screen as a Whiteboard (Built-in Whiteboard Mode)

You can use the interactive pens or your finger (BrightLink 695Wi) to write or draw on the projection surface just as you would on a chalkboard or dry erase board. You can use one pen, both pens at the same time, or a combination of pens and finger touch (BrightLink 695Wi).




1. Hover near or tap the board or projected image with the interactive pen or your finger (BrightLink 695Wi). Tap the whiteboard icon on the toolbar.

You see the whiteboard screen, with the main toolbar on the side and the projection control toolbar on the bottom of the screen:



2. To move the main toolbar to the other side of the screen, tap the  arrow on the opposite side of the screen.

Note: You can use the pen or your finger (BrightLink 695Wi) to move the arrow icon up or down to reposition the toolbar.


3. To close the main toolbar, select the  icon at the bottom of the toolbar.
Note: If you want to hide the toolbar automatically after drawing, select the  icon at the bottom of the toolbar.
4. To show or hide the projection control toolbar, select the  arrow.

Note: You can also show or hide the projection control toolbar from the projector's Display menu.

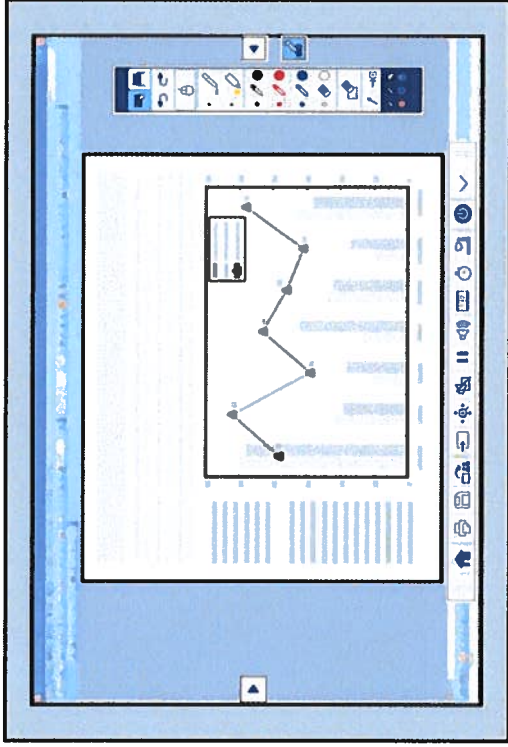
Parent topic: Interactive Modes

Drawing on a Projected Image (Built-in Annotation Mode)

You can project from a computer, tablet, video device, or other source and add notes to your projected content using the interactive pens or your finger (BrightLink 695Wi). You can use one pen, both pens at the same time, or a combination of pens and finger touch (BrightLink 695Wi).

1. Project an image from a connected device.
2. Hover near or tap the board or projected image with the interactive pen or your finger (BrightLink 695Wi). Tap the  built-in annotation mode icon on the toolbar.




You see the main toolbar on the side and the projection control toolbar on the bottom of the projected image.



3. To move the main toolbar to the other side of the screen, tap the  arrow on the opposite side of the screen.

Note: You can use the pen or your finger (BrightLink 695Wi) to move the arrow icon up or down to reposition the toolbar.

4. To switch to one of the other interactive modes, do one of the following:

- To switch to built-in whiteboard mode, select .
- To switch to PC Interactive mode, select , then select .

Note: You can also press the **Pen Mode** button on the remote control to switch between modes.

Requirement	Windows	Mac
Hard disk space	100MB or more	
Display	Resolution between 1024 x 768 and 1920 x 1200, 16-bit color or greater	

Parent topic: Controlling Computer Features from a Projected Screen (PC Interactive Mode)

Related concepts

Easy Interactive Tools

Using the Interactive Pens

Follow the instructions in these sections to use the interactive pens.

Using the Pens

Pen Calibration

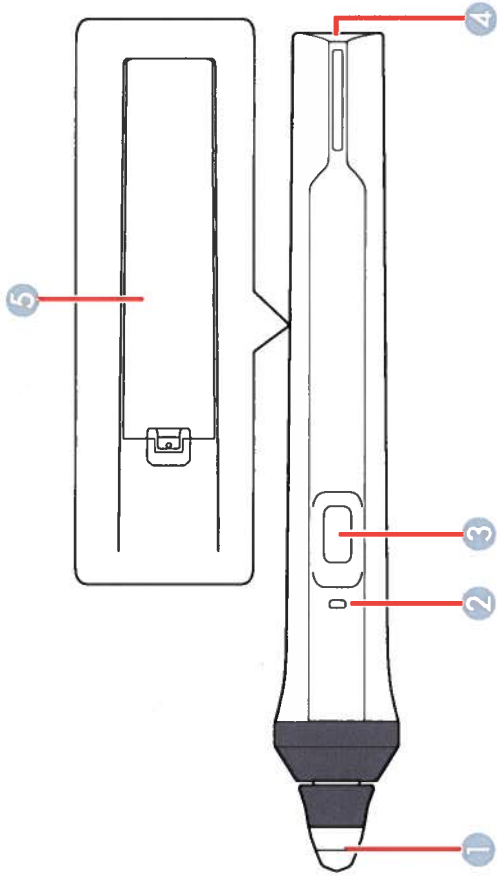
Parent topic: Using the Interactive Features

Using the Pens

Your projector came with a blue pen and an orange pen, identified by the color on the end of the pen. You can use either pen, or both pens at the same time (one of each color), with Easy Interactive Tools.

Make sure the pen batteries are installed.

Note: The pen turns off automatically after 15 seconds of inactivity. Hold the pen to turn the pen back on.

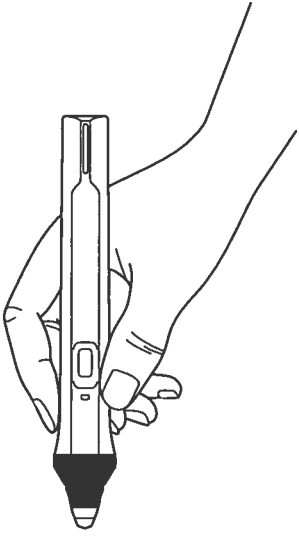


- 1 Pen tip
- 2 Battery light
- 3 Function button
- 4 Attachment for optional strap or cord
- 5 Battery cover

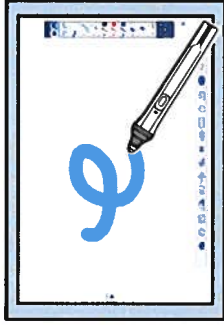
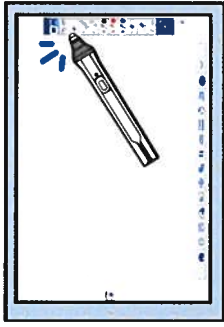
- To turn on the pen, move the pen.

Note: If you press the function button, the battery light flashes briefly, then turns off. If the battery is low, the battery light flashes continuously.

- For best performance, hold the pen perpendicular to the board, as shown below. Do not cover the black section near the tip of the pen.



- To write or draw on the projection surface in built-in annotation mode or built-in whiteboard mode, do the following:



- To select a projected item, such as an icon, tap the projection surface with the pen tip.
- To draw on the projected screen, tap the projection surface with the pen and drag it as necessary.
- To move the pointer, hover over the surface without touching it.
- To switch the pen from drawing tool to eraser, press the button on the side.

Note: You can change the function of the button by changing the **Pen Button Function** setting in the Extended menu.

These two modes are available:

- Built-in annotation mode displays the built-in toolbar on whatever image is being projected from a document camera, iPad, or other source.
- Built-in whiteboard mode lets you project a white or black screen or one of 4 background patterns, and use the toolbar to write or draw as you would on a chalkboard or dry erase board.

Using the Built-in Annotation Mode
Built-in Tools for Use Without a Computer
Using the Built-in Whiteboard Mode
Changing Pen Width and Color Using the Built-in Toolbar
Projector Control Toolbar
Selecting a Networked Device Source
Splitting the Screen
Interactive Features when Projecting with Two Projectors

Parent topic: Using the Interactive Features


Using the Built-in Annotation Mode

You can use either pen with the built-in toolbar, both pens at the same time, your finger (BrightLink 695Wi), or a combination of both pen and finger (BrightLink 695Wi).

1. Select the source for the image you want to annotate. If you simply want to use a blank screen, select another unused source.
2. To activate the toolbar, tap the projection surface with the pen or your finger (BrightLink 695Wi).

You see  arrow icons on the left and right side of the projected image.

Note: The toolbar arrows disappear if they are not used. To make them reappear, tap the projection surface with the pen or your finger (BrightLink 695Wi).

3. To display the toolbar, select one of the  arrows.

Note: You can use the pen or your finger (BrightLink 695Wi) to move the arrows up or down.

4. To close the toolbar, select the  icon at the bottom of the toolbar.

Note: If you want to hide the toolbar automatically after drawing, select the  icon at the bottom of the toolbar.










Parent topic: [Using BrightLink Without a Computer](#)








Built-in Tools for Use Without a Computer

The built-in toolbar is embedded in the projector and allows you to draw and write on the projected screen.

In the following illustration, the annotation mode tools are shown on the left, and the whiteboard mode tools on the right:




	Switch to built-in annotation mode
	Switch to built-in whiteboard mode
	Undo the last annotation
	Redo the last undo
	Switch to the computer interactive mode
	Select a white or black background or one of 4 patterns (whiteboard mode only)
	Change custom pen or highlighter color and width
	Write or draw free-form lines with custom pen
	Write or draw free-form lines with transparent highlighter pen

	Black pen (fine point on left, thick on right)
	Red pen (fine point on left, thick on right)
	Blue pen (fine point on left, thick on right)
	Eraser (thin width on left, thick on right)
	Clear all annotations
	Hide the toolbar after each annotation
	Close the toolbar

Parent topic: Using BrightLink Without a Computer

Using the Built-in Whiteboard Mode

In built-in whiteboard mode, you can project a solid or patterned background, and then write or draw on it as you would on a chalkboard or dry erase board.


1. Select the  Whiteboard tool on the built-in toolbar.
You see a white background.

2. If you want to change the background, do the following:

- Select the  Background tool.
 - Select a black background or one of 4 different patterns.
 - Select the right arrow icon to close the selection window.
3. Do one of the following to write or draw on the background.
- To erase, select the  Eraser tool.
 - To clear the whole screen, select the  Clear all tool.

Parent topic: Using BrightLink Without a Computer

Changing Pen Width and Color Using the Built-in Toolbar

When you use the  custom pen or highlighter tools, you can select different colors and line widths.

Note: You can also select the Black, Red, or Blue pen on the toolbar, and select the small circle on the left of the pen for a thin line, or the large circle on the right for a thick line.

Note: When multiple users draw on the projected screen using multiple pens, you can select different colors and line widths for each pen. When using finger touch operations (BrightLink 695Wi), all users share the same color and line width.










1. Select the  arrow next to the  custom Pen or  Highlighter pen on the toolbar.
2. Select the color and line width you want.
3. Select the right arrow icon to close the selection window.












Parent topic: Using BrightLink Without a Computer

Projector Control Toolbar

The projector control toolbar lets you control the projector with your pen or finger (BrightLink 695Wi) from the projected screen just as you would using the remote control.



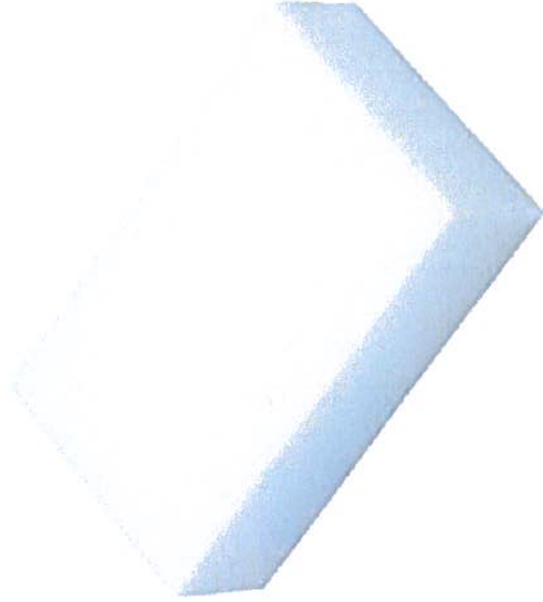
	Display the Home screen.
	Print the projected image
	Save the projected image to a connected USB storage device
	Share the projected image using EasyMP Multi PC Projection or Epson iProjection
	Change the image source using a displayed list. (To close the image source list, select the arrow icon at the bottom of the list.)
	Zoom into and out of the image
	Turn off the picture and sound
	Pause video action
	Increase or decrease the volume

	Project two images from different image sources
	Set the timer
	<p>Display the document camera control toolbar. (Not all settings may be available depending on your document camera model.)</p> <ul style="list-style-type: none"> • AF : Automatically focus the document camera image; make sure you enable this setting before you zoom into or out of the document camera image • : Pause video action •  : Zoom into or out of the image •  : Rotate the image 180 degrees •  : Capture the image •  : Start or stop video recording •  : Play recorded video •  : Close the document camera control toolbar <p>Turns off the projector.</p>
	
	Close the projector control toolbar

Parent topic: Using BrightLink Without a Computer



**Dry Erase Markers
Spray Cleaner
Cleaning Cloth**



Foam Eraser (Melamine Sponge)

Cleaning

Everyday Cleaning: The supplied foam eraser can be used to clean marks on the screen surface made by everyday dry erase marker usage. Do not use spray cleaner in combination with the foam eraser.

Thorough Cleaning: For periodic full screen cleaning or to clean persistent marks from dry erase markers, use the supplied Da-Lite spray cleaner and cleaning cloth. Use clean or dry sections of the microfiber cloth when erasing the screen. This is important to prevent smearing on the screen while cleaning. To clean permanent markers and other unintentional marks on the surface, use the supplied foam eraser or the Da-Lite spray cleaner and cleaning cloth.